

THE PRODUCT BOOK

2026-2027

THINKgis

Guangdong ThinkGis lighting technology Co.,Ltd

THINKgis

ThinkGis Lighting was founded in 2020. Specializing in the R&D of lighting optical technology, the company is committed to building a professional lighting brand featuring ultra-high precision optics, comfortable illumination, and high efficiency. It excels in high-end architectural lighting for art, culture, technology and other fields, and has achieved remarkable results in the professional field of museum lighting.

In recent years, ThinkGis lighting has strengthened its R&D capabilities and launched a variety of high-efficiency anti-glare products with industry-leading technology, including anti-glare floodlights, anti-glare in-ground lights, and full reflection wall washers. These products have been adopted in numerous well-known domestic and international projects and gained high recognition. ThinkGis lighting prioritizes product quality, equipped with comprehensive quality inspection equipment and standardized testing processes to ensure the high quality and durability of its products.

Guangdong ThinkGis Lighting Technology Co., Ltd

Address: 4F, No.19 Guanglong Road, Huangjiang Town, Dongguan City, Guangdong Province

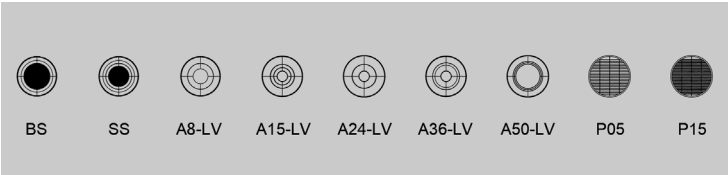


Code Index

XX 59 - XXX 4W A8 Q16-XX									
XX		Size	XXX		XW	A8	Q16	XX	
DM	Inground light		F	Reflector version	Wattage	FWHM	FA	BS	With Big Solid louver
SP	Spotlight		Blank	Lens version		Degree	Degree	SS	With Small Solid louver
CW	Ceiling washer		S	Square				P5	With P05 Grille(Lens version)
XCK	Windows light		SW	Square Wall light				P15	With P15 Grille(Lens version)
JCK	Windows light		D	Ceiling Downlight				LV	With Louver
FS	Handrail light		SD	Square Ceiling Downlight				P5	Asymmetric 5° (Lens Wall washer)
LWW	Liner wall washer		A	Lower hight version				P20	Asymmetric 20° (Lens Wall washer)
LDW	Liner inground wall washer frameless		C	Ultra thin version				P30	Asymmetric 30° (Lens Wall washer)
LBW	Liner inground wall washer with frame		GPH	Super narrow beam				RGBW	RGBW color
			T	Adjustable				DC	Dubble color

FWHM: Full Width at Half Maximum Intensity
FA: Field Angle

Main types of Anti-glare Louver accessories



BS	With Big Solid louver (1-3°)
SS	With Small Solid louver (4-6°)
A8-LV	With Anti-glare Louver A8(8-12°)-LV
A15-LV	With Anti-glare Louver A15(13-17°)-LV
A24-LV	With Anti-glare Louver A24(19-24°)-LV
A36-LV	With Anti-glare Louver A36(30-38°)-LV
A50-LV	With Anti-glare Louver A50(45-66°)-LV
P05	With Anti-glare Louver P05(Tilt 5°)-LV
P15	With Anti-glare Louver P05(Tilt 15°)-LV

THINKgis

IN-GROUND LIGHT

Anti-glare reflector optics design

Anti-glare lens optics design

Reflector wall washer design

Lens wall washer design

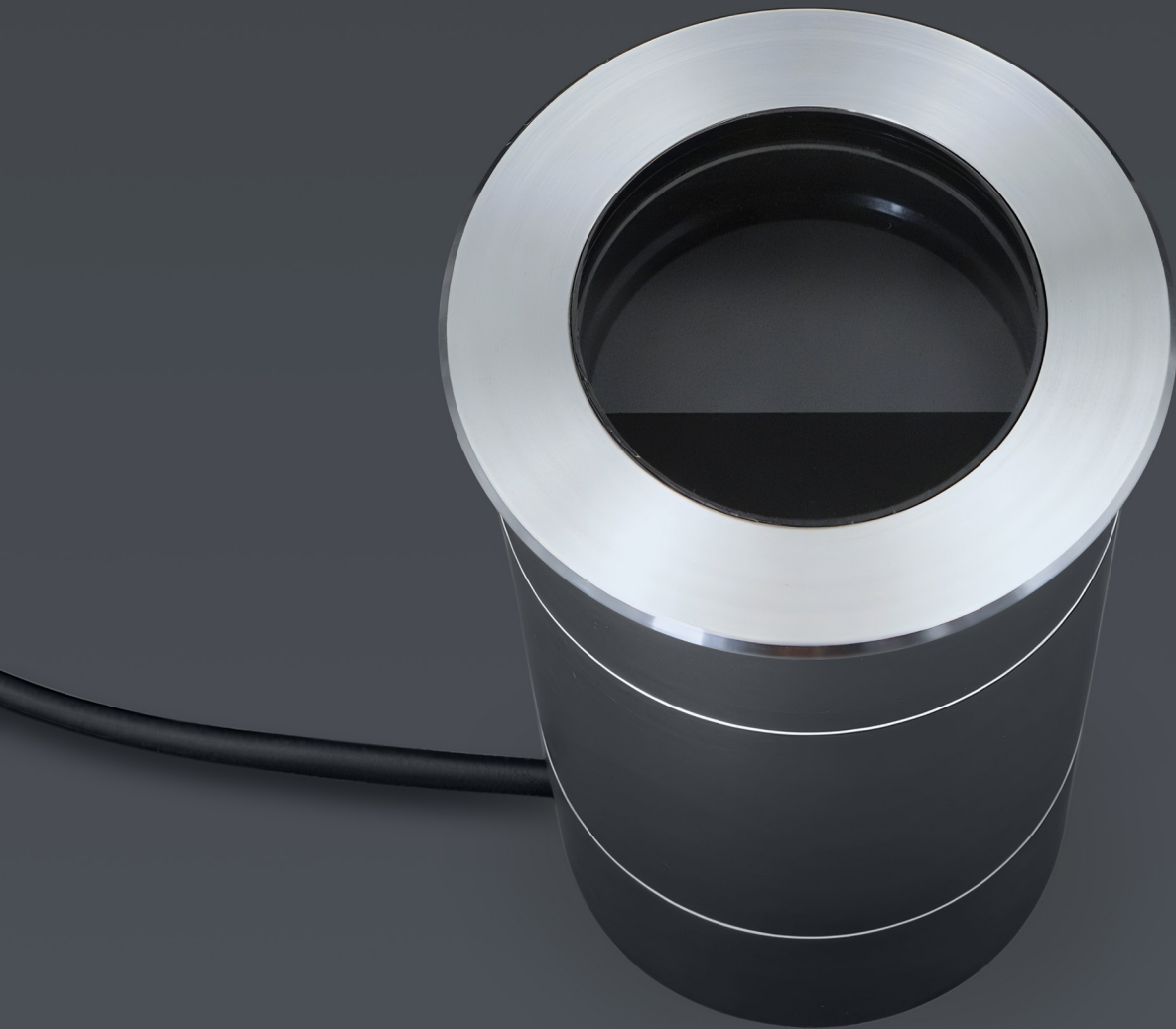




Reflector version with Anti-glare Louver



Reflector version wall washer



Lens version with Anti-glare Louver



Lens version wall washer



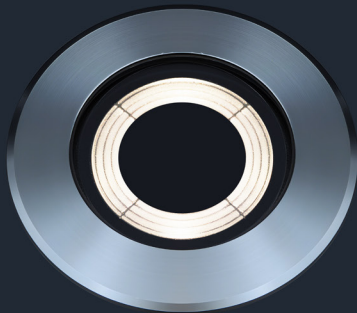
Reflector version



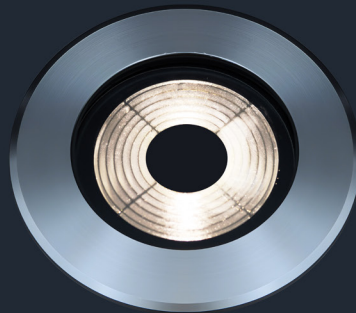
Anti-glare Louver



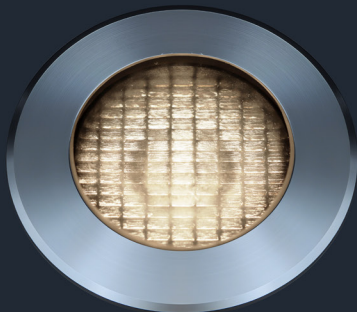
Reflector wallwasher



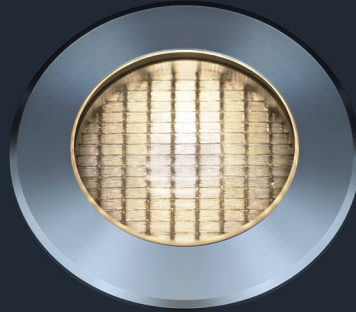
Large solid Anti-glare Louver



Small solid Anti-glare Louver



Anti-glare Grille tilt 5°

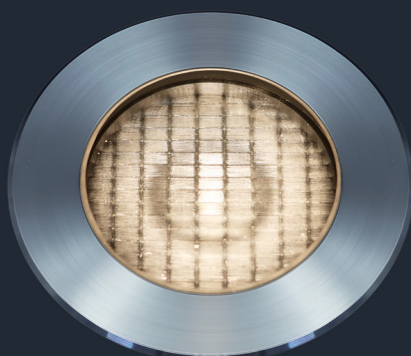


Anti-glare Grille tilt 15°

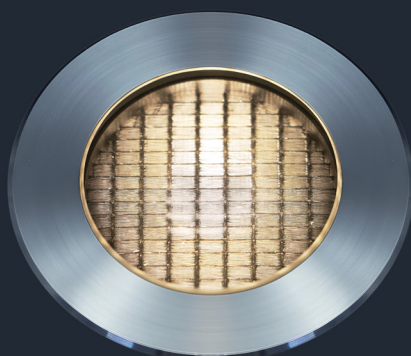
Lens version



Anti-glare Louver

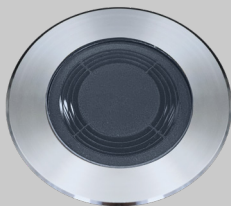


Anti-glare Grille tilt 5°



Anti-glare Grille tilt 15°

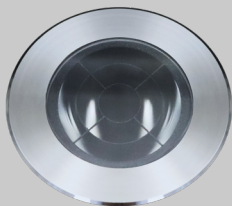
Different Anti-glare design for different optics



BS(1-3°)
Big solid Anti-glare Louver



SS(4-6°)
Small solid Anti-glare Louver



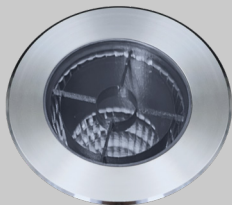
A8(8-12°)-LV
Anti-glare Louver



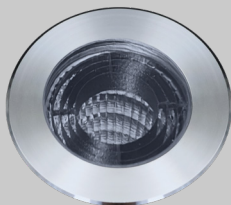
A15(13-17°)-LV
Anti-glare Louver



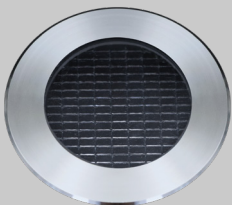
A24(19-24°)-LV
Anti-glare Louver



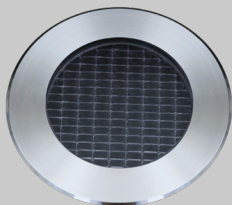
A36(30-38°)-LV
Anti-glare Louver



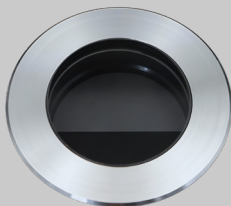
A50(45-66°)-LV
Anti-glare Louver



P05(Tilt5°)-LV
Anti-glare Louver



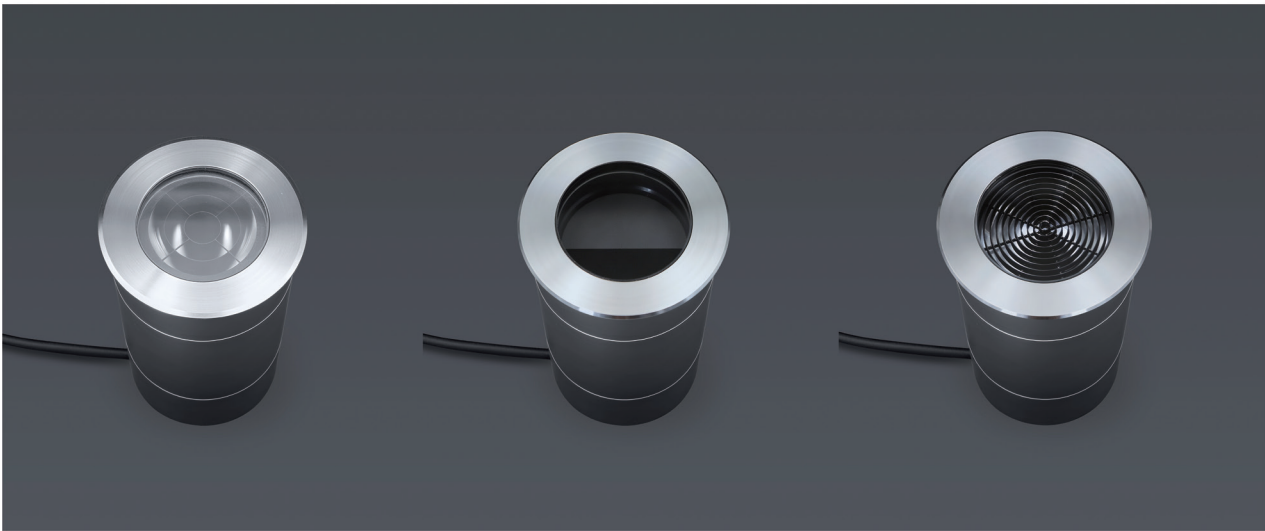
P15(Tilt15°)-LV
Anti-glare Louver



P15W/P15H/P15HW



In-ground Light



Specification

Surface : 316 stainless steel;
Glass: Hardened safety tempered glass (wear-resistant);
Static load resistance of flanged housing: 2000 Kg;
Luminaire body material: Die-cast aluminum (for diameter > 136mm); CNC-machined 6061 aluminum (for diameter < 136mm);
Mounting part material: PVC plastic (for diameter > 136mm); CNC-machined 6061 aluminum (for diameter < 136mm);
Surface treatment: Hard anodizing on both the luminaire body and pre-embedded mounting box, featuring high corrosion resistance (suitable for soils with different salinity levels) and salt spray test duration > 1000h;
Surface screws: 304 stainless steel screws (for diameter > 136mm); screwless design (for diameter < 136mm);
IP rating: IP67;
IK rating: IK08 (for diameter < 69mm); IK10 (for diameter > 69mm);
Built-in or external DMX512, 0-10V, DALI, thyristor dimmable driver;

Size

φ27mm	φ49mm	φ59mm	φ69mm	φ103mm	φ170mm	φ210mm	φ260mm	φ320mm
Lens/Reflector								
								
Lens Wall Washer								
								
Reflector Wall Washer								
								
Adjustable								
								

Optics

Multiple beam angle are available, which can meet the application requirements of different spaces.

The beam angles are:

Symmetrical light: 1°, 3°, 5°, 10°, 15°, 24°, 36°, 60°;

Asymmetrical light:

A4°, A6°, A8°, A15°, A20°, A45°, A70°;

Optional elliptical light:

Elliptical lens 0160

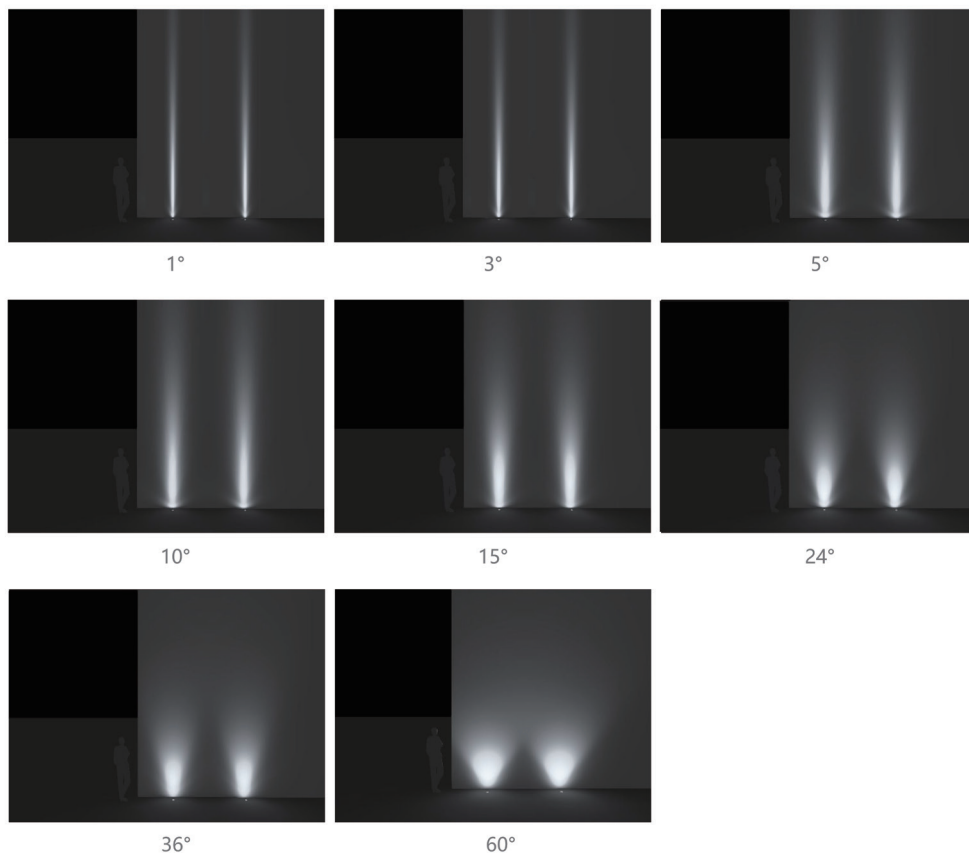
Elliptical lens 0140

Elliptical lens 0115

Elliptical lens 1060

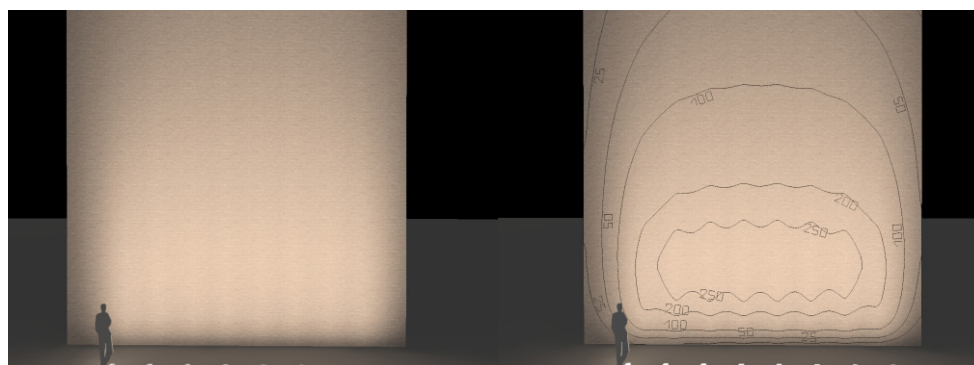
Elliptical lens 1040

Elliptical lens 1560



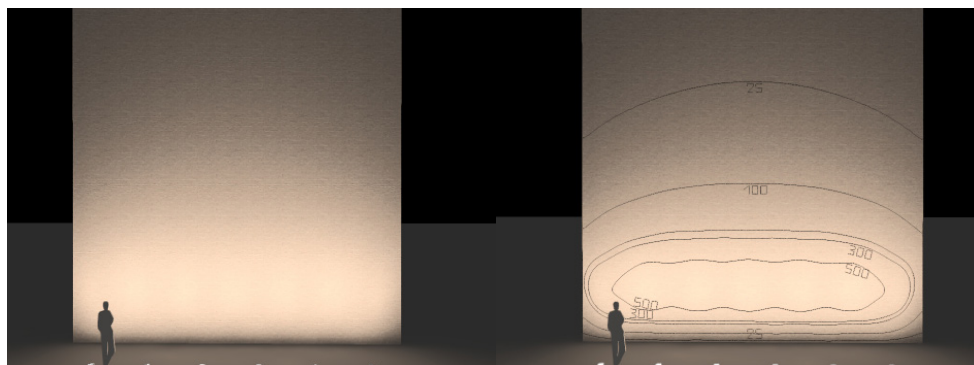
Vertical Wall Washing Effect

power : 36w
Height of wall : 10m
Distance between : 1m
Distance to the wall : 1m



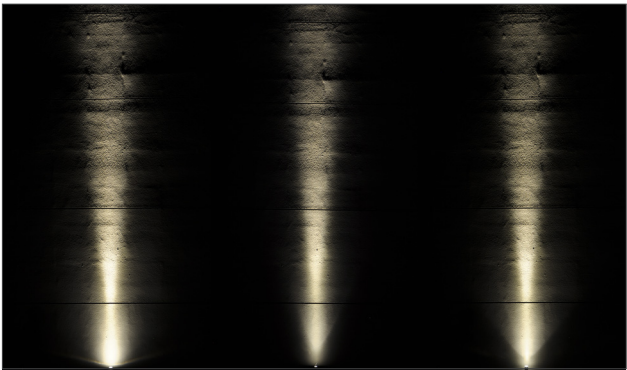
Horizontal Wall Washing Effect

power : 36w
Height of wall : 10m
Distance between : 1.5m
Distance to the wall : 1.25m



Comparison Effect for High Efficiency and Low Glare

8°effect (WaLL H=7M) 8°



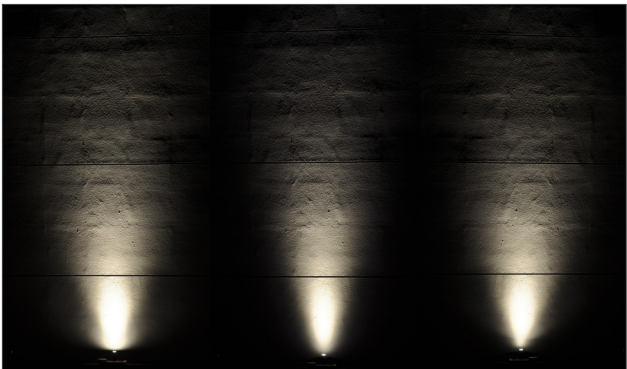
Without anti-glare accessory With anti-glare accessory With asymmetric anti-glare accessory

18°effect (WaLL H=7M) 18°



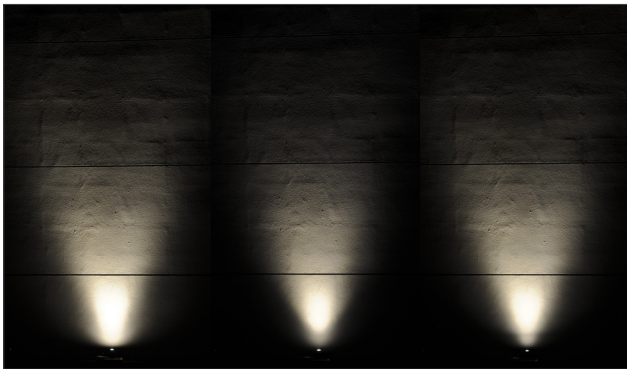
Without anti-glare accessory With anti-glare accessory With asymmetric anti-glare accessory

24°effect (WaLL H=7M) 24°



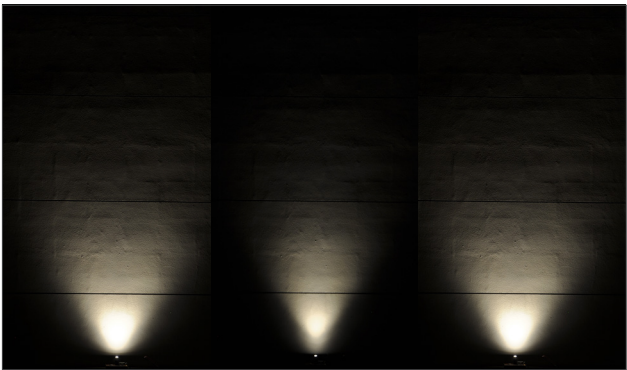
Without anti-glare accessory With anti-glare accessory With asymmetric anti-glare accessory

34°effect (WaLL H=7M) 34°



Without anti-glare accessory With anti-glare accessory With asymmetric anti-glare accessory

60°effect (WaLL H=7M) 60°



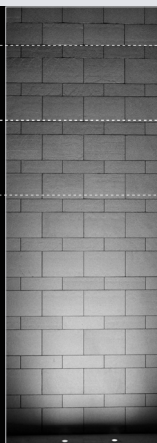
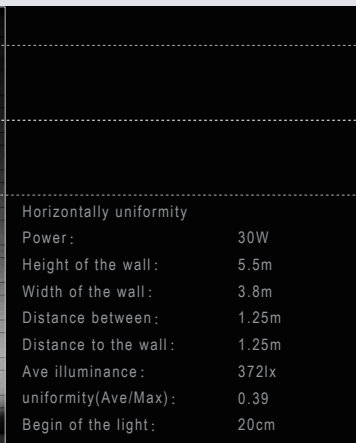
Without anti-glare accessory With anti-glare accessory With asymmetric anti-glare accessory

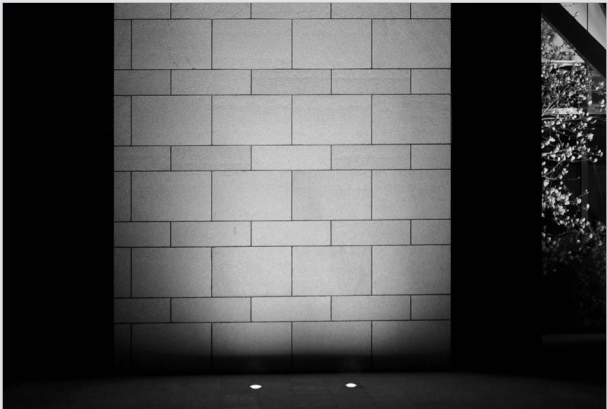
18x33°effect (WaLL H=7M) 18x33°



Without anti-glare accessory With anti-glare accessory With asymmetric anti-glare accessory

The real effect of outdoor recessed light

		9m				
		7m				
		5m				
Vertical uniformity				Horizontally uniformity		
Power:		30W		Power:		30W
Height of the wall:		10m		Height of the wall:		5.5m
Width of the wall:		3.8m		Width of the wall:		3.8m
Distance between:		1m		Distance between:		1.25m
Distance to the wall:		1m		Distance to the wall:		1.25m
Ave illuminance:		163lx		Ave illuminance:		372lx
uniformity(Ave/Max):		0.52		uniformity(Ave/Max):		0.39
Begin of the light:		5cm		Begin of the light:		20cm



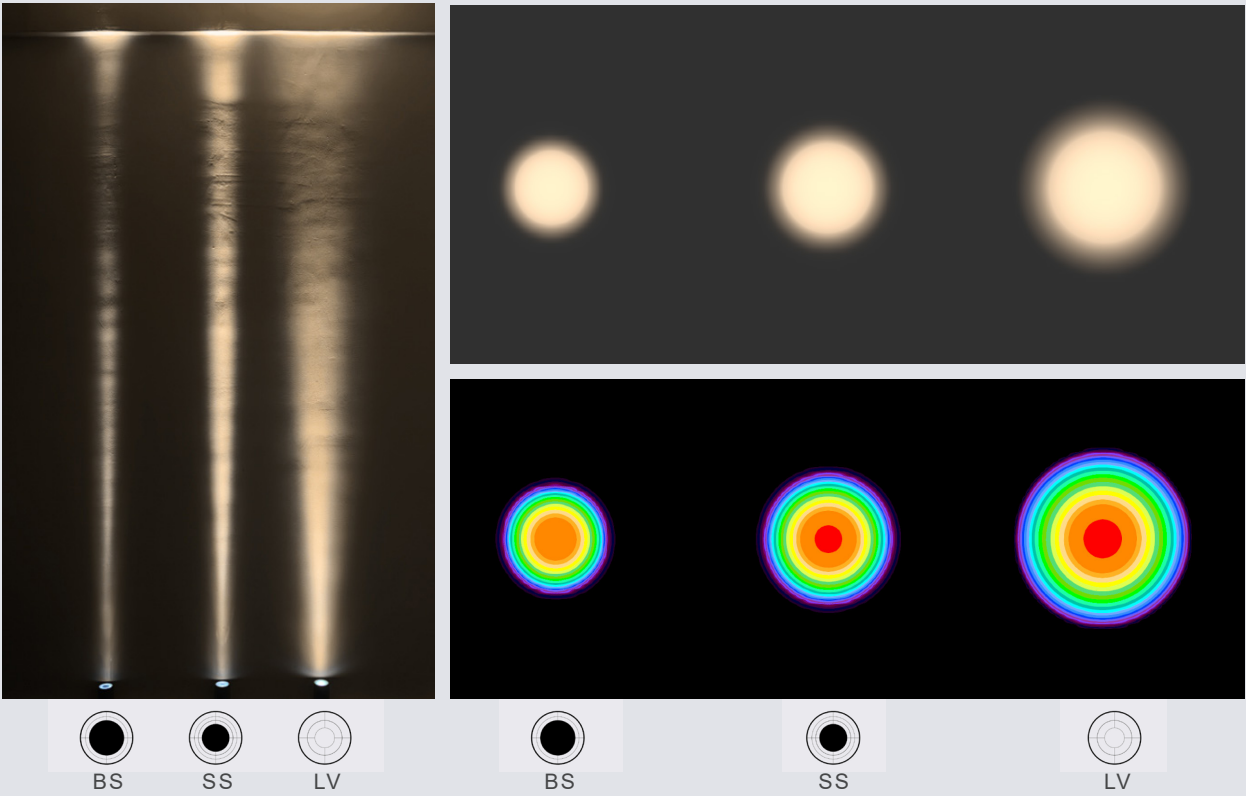
Vertical uniformity is prioritized.
Begin of the light: 5cm



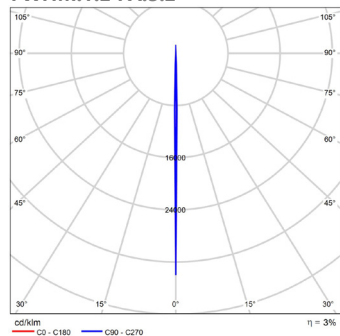
Horizontally uniformity is prioritized.
Begin of the light: 20cm

The Anti-Glare accessories

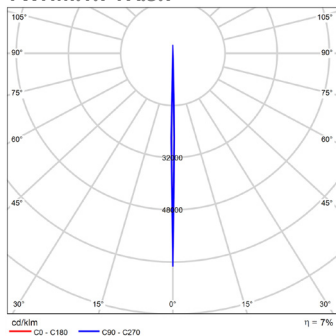
The effect of the same beam angle reflector with different Anti-Glare louver



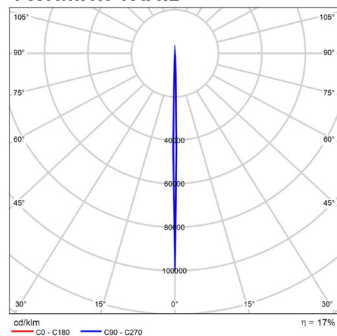
FWHM:1.2 FA:3.2



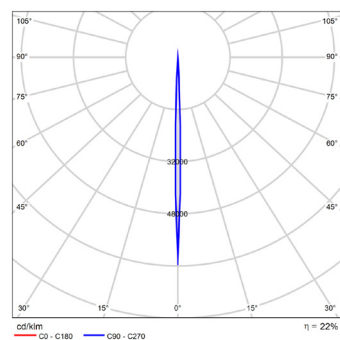
FWHM:1.7 FA:3.7



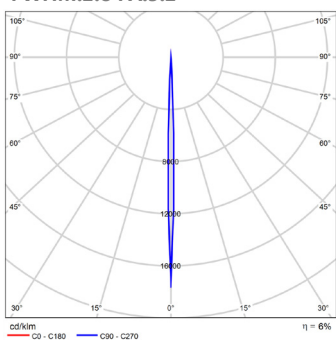
FWHM:1.7 FA:4.2



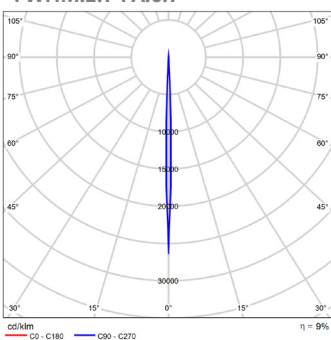
FWHM:2.4 FA:6.4



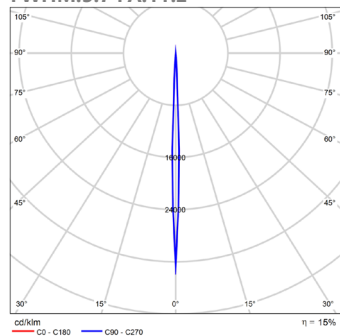
FWHM:2.8 FA:5.2



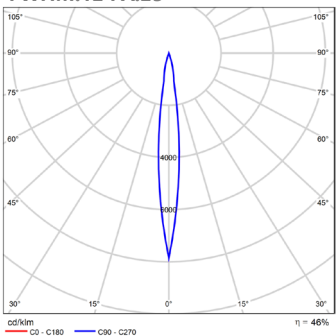
FWHM:2.7 FA:6.7



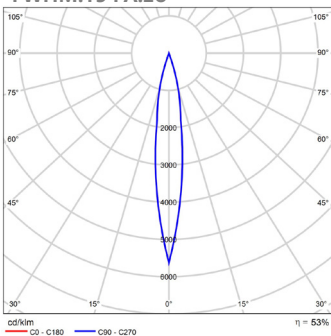
FWHM:3.7 FA:11.2



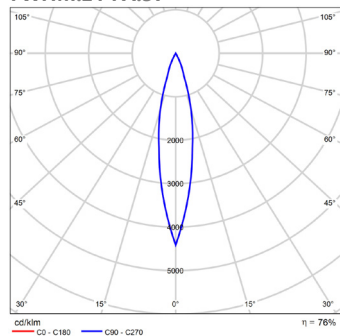
FWHM:12 FA:25



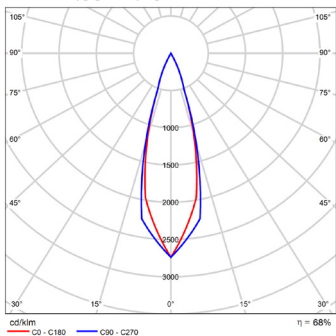
FWHM:15 FA:28



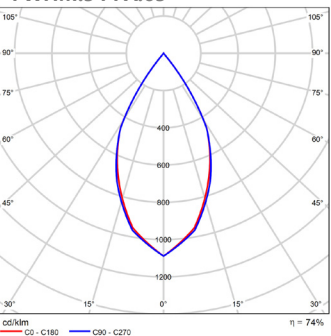
FWHM:21 FA:37



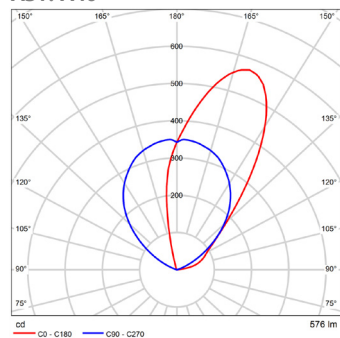
FWHM:33 FA:49



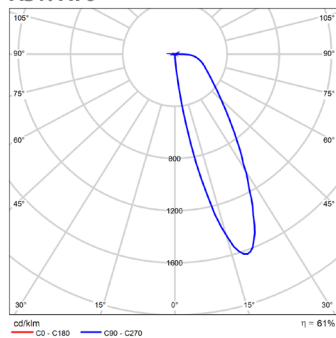
FWHM:54 FA:65



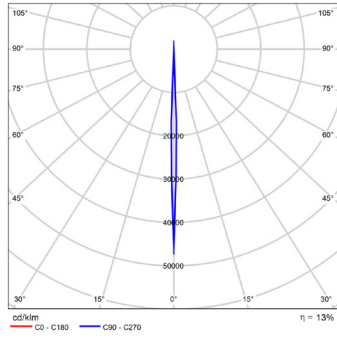
ASY: A40



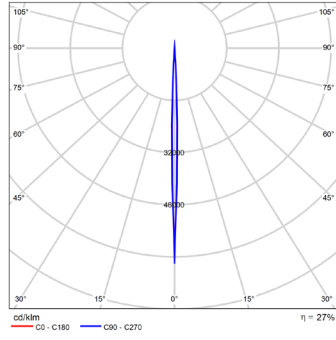
ASY: A70



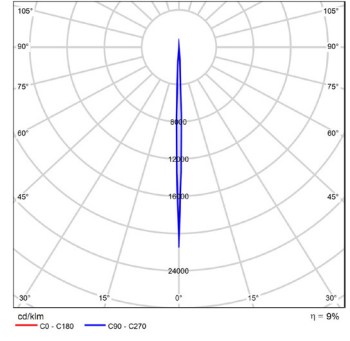
FWHM:3.4 FA:6.2



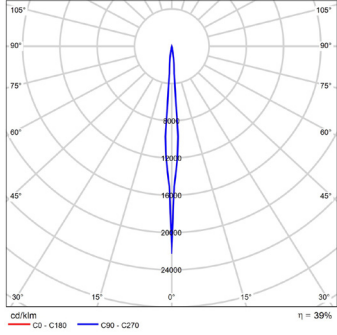
FWHM:3.7 FA:7.7



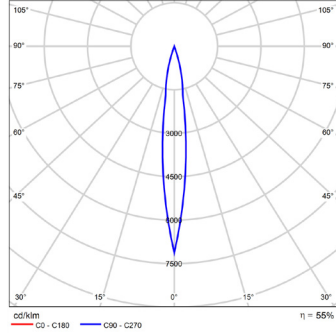
FWHM:3.7 FA:7.7



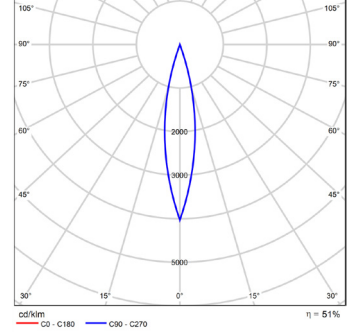
FWHM: 7 FA:13



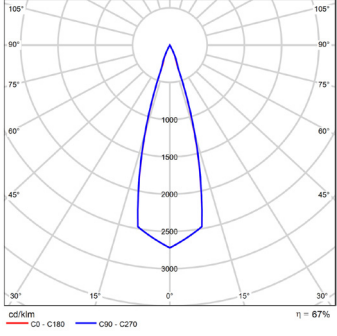
FWHM:13 FA:24



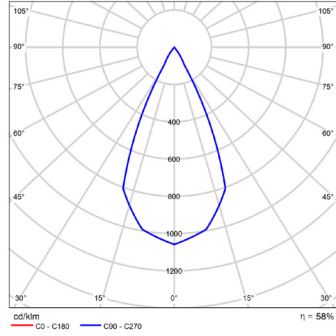
FWHM:20 FA:36



FWHM:30 FA:45



FWHM:50 FA:60



Elliptical Optics

Elliptical light:

Elliptical lens $2.7^{\circ}+0160$

Elliptical lens $2.7^{\circ}+0140$

Elliptical lens $2.7^{\circ}+0115$

Elliptical lens $2.7^{\circ}+1060$

Elliptical lens $2.7^{\circ}+1040$

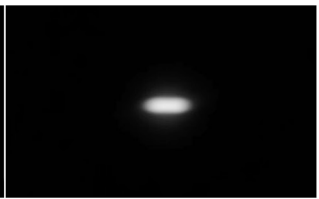
Elliptical lens $2.7^{\circ}+1560$



$2.7^{\circ}+0160$



$2.7^{\circ}+0140$



$2.7^{\circ}+0115$



$2.7^{\circ}+1040$



$2.7^{\circ}+1060$



$2.7^{\circ}+1560$

Elliptical light:

Elliptical lens $15^{\circ}+0160$

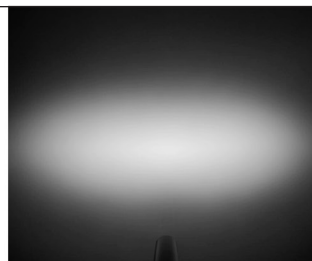
Elliptical lens $15^{\circ}+0140$

Elliptical lens $15^{\circ}+0115$

Elliptical lens $15^{\circ}+1060$

Elliptical lens $15^{\circ}+1040$

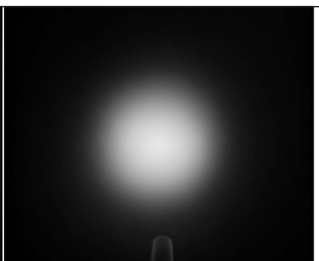
Elliptical lens $15^{\circ}+1560$



$15^{\circ}+0160$



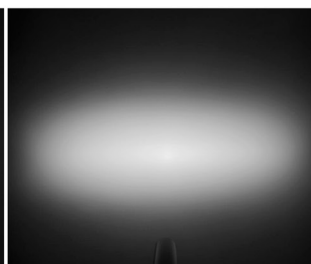
$15^{\circ}+0140$



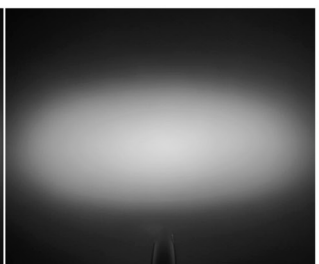
$15^{\circ}+0115$



$15^{\circ}+1040$



$15^{\circ}+1060$



$15^{\circ}+1560$

Elliptical light:

Elliptical lens $60^{\circ}+0160$

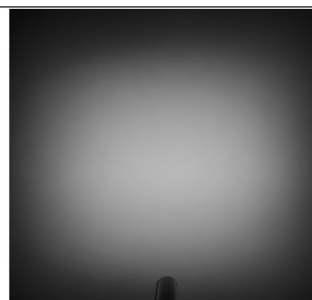
Elliptical lens $60^{\circ}+0140$

Elliptical lens $60^{\circ}+0115$

Elliptical lens $60^{\circ}+1060$

Elliptical lens $60^{\circ}+1040$

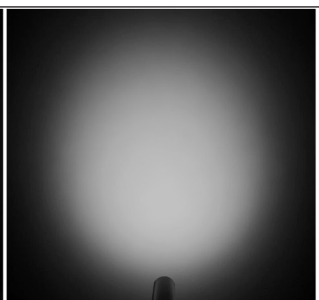
Elliptical lens $60^{\circ}+1560$



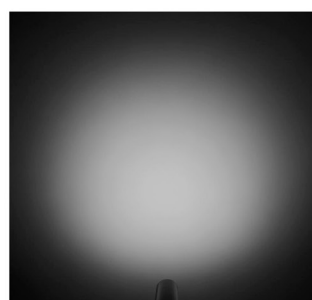
$60^{\circ}+0160$



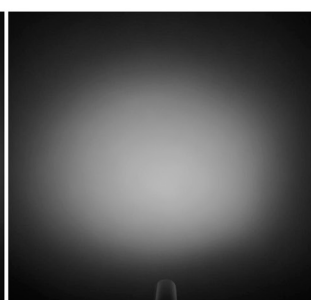
$60^{\circ}+0140$



$60^{\circ}+0115$



$60^{\circ}+1040$



$60^{\circ}+1060$



$60^{\circ}+1560$

Elliptical Optics

Original angle	Elliptical lens 0160		Elliptical lens 0140		Elliptical lens 0115		Elliptical lens 1060		Elliptical lens 1560	
FWHM	FWHM: 0~180°	FWHM: 90~270°	FWHM: 0~180°	FWHM: 90~270°	FWHM: 0~180°	FWHM: 90~270°	FWHM: 0~180°	FWHM: 90~270°	FWHM: 0~180°	FWHM: 90~270°
1.2	1.6	60.0	1.6	40.0	1.6	15.0	10.1	60.0	15.0	60.0
1.7	2.0	60.0	2.0	40.0	2.0	15.1	10.1	60.0	15.1	60.0
1.7	2.0	60.0	2.0	40.0	2.0	15.1	10.1	60.0	15.1	60.0
2.4	2.6	60.0	2.6	40.1	2.6	15.2	10.3	60.0	15.2	60.0
2.8	3.0	60.1	3.0	40.1	3.0	15.3	10.4	60.1	15.3	60.1
2.7	2.9	60.1	2.9	40.1	2.9	15.2	10.4	60.1	15.2	60.1
3.4	3.5	60.1	3.5	40.1	3.5	15.4	10.6	60.1	15.4	60.1
3.7	3.8	60.1	3.8	40.2	3.8	15.4	10.7	60.1	15.4	60.1
4.2	4.3	60.1	4.3	40.2	4.3	15.6	10.8	60.1	15.6	60.1
4.5	4.6	60.2	4.6	40.3	4.6	15.7	11.0	60.2	15.7	60.2
5	5	60	5	40	5	16	11	60	16	60
6	6	60	6	40	6	16	12	60	16	60
7	7	60	7	41	7	17	12	60	17	60
8	8	61	8	41	8	17	13	61	17	61
9	9	61	9	41	9	17	13	61	17	61
10	10	61	10	41	10	18	14	61	18	61
11	11	61	11	41	11	19	15	61	19	61
12	12	61	12	42	12	19	16	61	19	61
13	13	61	13	42	13	20	16	61	20	61
14	14	62	14	42	14	21	17	62	21	62
15	15	62	15	43	15	21	18	62	21	62
16	16	62	16	43	16	22	19	62	22	62
17	17	62	17	43	17	23	20	62	23	62
18	18	63	18	44	18	23	21	63	23	63
19	19	63	19	44	19	24	21	63	24	63
20	20	63	20	45	20	25	22	63	25	63
21	21	64	21	45	21	26	23	64	26	64
22	22	64	22	46	22	27	24	64	27	64
23	23	64	23	46	23	27	25	64	27	64
24	24	65	24	47	24	28	26	65	28	65
25	25	65	25	47	25	29	27	65	29	65
26	26	65	26	48	26	30	28	65	30	65
27	27	66	27	48	27	31	29	66	31	66
28	28	66	28	49	28	32	30	66	32	66
29	29	67	29	49	29	33	31	67	33	67
30	30	67	30	50	30	34	32	67	34	67
31	31	68	31	51	31	34	33	68	34	68
32	32	68	32	51	32	35	34	68	35	68
33	33	68	33	52	33	36	34	68	36	68
34	34	69	34	52	34	37	35	69	37	69
35	35	69	35	53	35	38	36	69	38	69
36	36	70	36	54	36	39	37	70	39	70
37	37	70	37	54	37	40	38	70	40	70
38	38	71	38	55	38	41	39	71	41	71
39	39	72	39	56	39	42	40	72	42	72
40	40	72	40	57	40	43	41	72	43	72
41	41	73	41	57	41	44	42	73	44	73
42	42	73	42	58	42	45	43	73	45	73
43	43	74	43	59	43	46	44	74	46	74
44	44	74	44	59	44	46	45	74	46	74
45	45	75	45	60	45	47	46	75	47	75
46	46	76	46	61	46	48	47	76	48	76
47	47	76	47	62	47	49	48	76	49	76
48	48	77	48	62	48	50	49	77	50	77
49	49	77	49	63	49	51	50	77	51	77
50	50	78	50	64	50	52	51	78	52	78
51	51	79	51	65	51	53	52	79	53	79
52	52	79	52	66	52	54	53	79	54	79
53	53	80	53	66	53	55	54	80	55	80
54	54	81	54	67	54	56	55	81	56	81
55	55	81	55	68	55	57	56	81	57	81
56	56	82	56	69	56	58	57	82	58	82
57	57	83	57	70	57	59	58	83	59	83
58	58	83	58	70	58	60	59	83	60	83
59	59	84	59	71	59	61	60	84	61	84
60	60	85	60	72	60	62	61	85	62	85

Installation Accessories

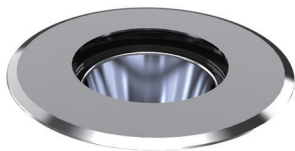
The lamp is equipped with a pre-buried installation cylinder, which facilitates the pre-buried installation of the lamp. There are reserved wire outlet holes on both sides.



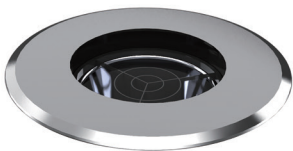
Light+Installation housing

Anti-glare Accessories Design

Anti-glare Accessories;
Reflector+louver;
Lens+louver;
Horizontal anti-glare louver.



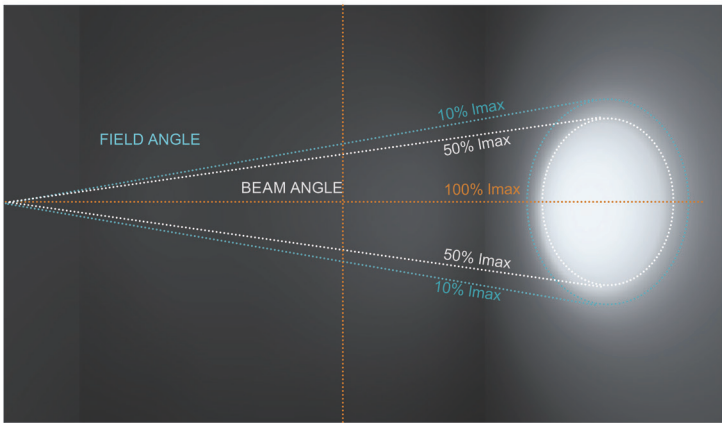
Reflector



Reflector+louver



Anti-glare Accessories Design



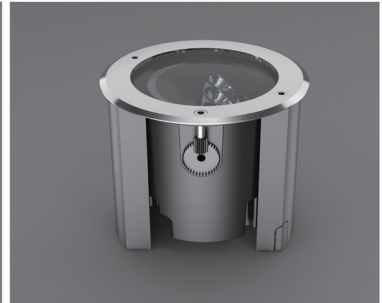
Comparison value of 6W 24° light with and without anti-glare louver		
	FWHM	FA
Lux without anti-glare louver	2350lx	235lx
Lux with anti-glare louver	1940lx	60lx
Efficiency lost	17.4%	74.6%

Adjustable

Adjustable angle design,
Adjust the light direction from
outside without opening the
product.



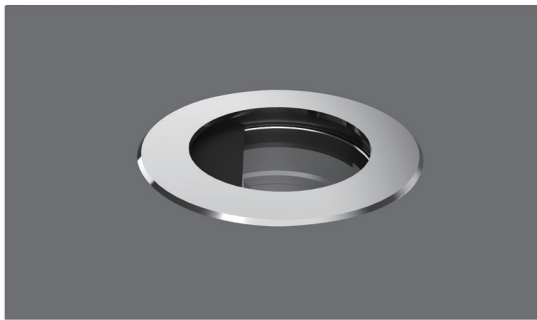
Adjustable range: +30°~-15°



Casing for installation on the ground

Wall Washer

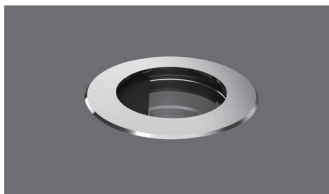
Reflection wall washing
No glare from the viewing angle;
Washing more height distance



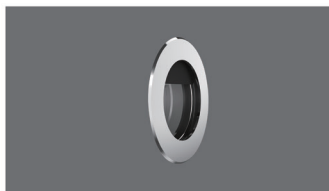
Reflector Wallwasher



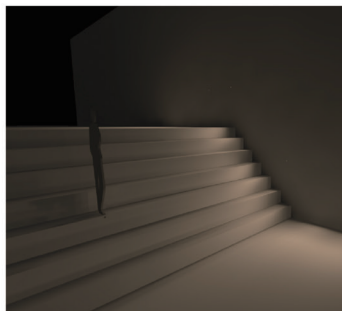
Casing for installation on the ground



In-ground installation



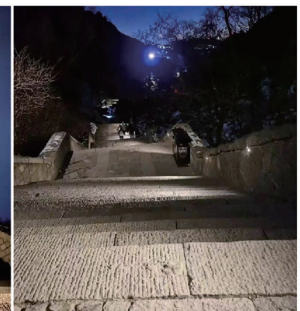
Recessed wall installation



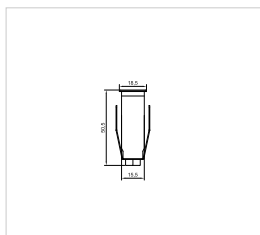
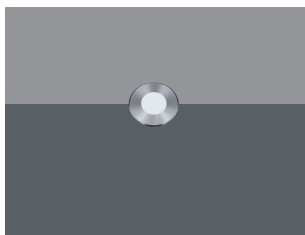
Mock up for the floor washer



No glare when people look up from a normal viewing angle,
The surface brightness more lower.



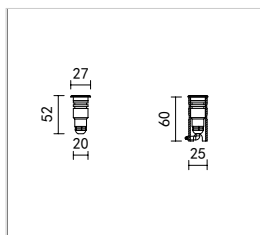
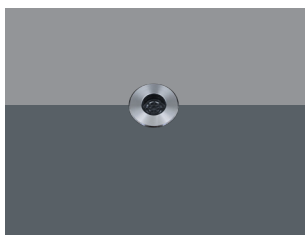
Lens version



Weight: 0.04KG
Power: DC24V
Color temperature: Monochrome/Custom color
Driver: External DMX512/0-10V/DALI

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM18-03WA120	0.25	1	120	150	2	2
DM18-05WA120-DC	0.5	2	120	150	4	4

Lens version

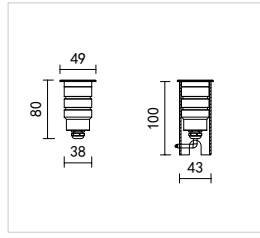
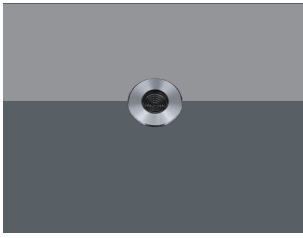


Weight: 0.08KG
Power: DC24V
Color temperature: Monochrome/RGB/RGBW

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM25-1WA15-LV	1.2	395	15	27	70	46
DM25-1WA27-LV	1.2	149	27	40	70	40
DM25-1WA42-LV	1.2	54	42	68	67	32
DM25-1WA58-LV	1.2	22	58	102	65	24
DM25-1WA2034-LV	1.2	85	20*34	36*71	65	24
DM25-1WA15-P05	1.2	441	15	27	70	51
DM25-1WA27-P05	1.2	188	27	40	70	50
DM25-1WA42-P05	1.2	71	42	68	67	42
DM25-1WA58-P05	1.2	32	58	102	65	34
DM25-1WA2034-P05	1.2	85	20*34	36*71	65	24
DM25-1WA15-P15	1.2	385	15	27	70	44
DM25-1WA27-P15	1.2	173	27	40	70	46
DM25-1WA42-P15	1.2	68	42	68	67	41
DM25-1WA58-P15	1.2	31	58	102	65	34
DM25-1WA2034-P15	1.2	85	20*34	36*71	65	24

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Lens version

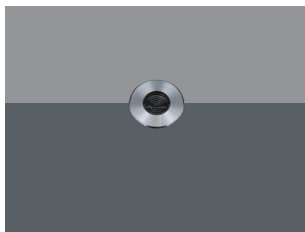


Weight: 0.27KG
 Power: DC24V
 Color temperature: Monochrome/RGB/RGBW
 Driver: Build-in on/off, dimmable DMX512/0-10V driver

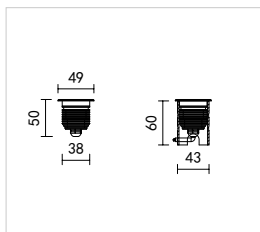
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM49-3WA10-LV	3	1788	9	21	287	78
DM49-3WA15-LV	3	940	18	34	281	113
DM49-3WA24-LV	3	535	22	41	281	93
DM49-3WA36-LV	3	384	39	64	281	172
DM49-3WA50-LV	3	243	51	81	271	175
DM49-3WA1040-LV	3	729	10°40		223	111
DM49-3WA1060-LV	3	458	10°60		243	122
DM49-3WA1460-LV	3	312	14°60		261	131
DM49-3WA2063-LV	3	235	20°63		249	125
DM49-3WA10-LV-RGBW	3	1162	9	21	187	51
DM49-3WA15-LV-RGBW	3	611	18	34	183	73
DM49-3WA24-LV-RGBW	3	348	22	41	183	60
DM49-3WA36-LV-RGBW	3	250	39	64	183	112
DM49-3WA50-LV-RGBW	3	158	51	81	176	114
DM49-3WA08-P05	3	1620	9	21	285	73
DM49-3WA15-P05	3	1394	13	28	297	103
DM49-3WA24-P05	3	1180	19	35	291	142
DM49-3WA36-P05	3	519	39°37	54°53	294	139
DM49-3WA50-P05	3	344	46°48	64°61	290	118
DM49-3WA10-P05-RGBW	3	906	13	28	187	67
DM49-3WA15-P05-RGBW	3	767	19	35	187	92
DM49-3WA24-P05-RGBW	3	337	30	47	188	90
DM49-3WA36-P05-RGBW	3	224	39°37	54°53	188	77
DM49-3WA50-P05-RGBW	3	839	46°48	64°61	175	56
DM49-3WA10-P15	3	1292	12	24	297	86
DM49-3WA15-P15	3	948	19	33	291	124
DM49-3WA24-P15	3	566	28	46	294	128
DM49-3WA36-P15	3	396	38°31	53°52	290	114
DM49-3WA50-P15	3	246	50°30	65°60	271	93
DM49-3WA10-P15-RGBW	3	839	12	24	193	56
DM49-3WA15-P15-RGBW	3	616	19	33	189	81
DM49-3WA24-P15-RGBW	3	368	28	46	191	83
DM49-3WA36-P15-RGBW	3	257	38°31	53°52	189	74
DM49-3WA50-P15-RGBW	3	160	50°30	65°60	176	60

Light output value is based on 3000K ;
 The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
 to 10° , and the useful efficiency lost approximately 25%-30%.

Thin Lens version



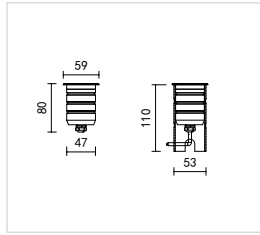
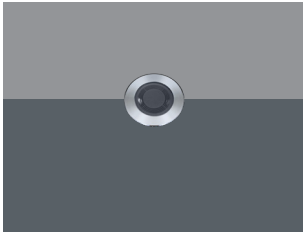
Weight: 0.27KG
Power: DC24V
Color temperature: Monochrome



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM49-A2WA10-LV	2	1180	9	21	189	52
DM49-A2WA15-LV	2	620	18	34	185	75
DM49-A2WA24-LV	2	353	22	41	185	61
DM49-A2WA36-LV	2	253	39	64	185	114
DM49-A2WA50-LV	2	160	51	81	179	115
DM49-A2WA08-P05	2	1080	9	21	190	48
DM49-A2WA10-P05	2	929	13	28	198	69
DM49-A2WA15-P05	2	786	19	35	194	95
DM49-A2WA24-P05	2	346	30	47	186	93
DM49-A2WA36-P05	2	229	39*37	54*53	193	78
DM49-A2WA50-P05	2	128	46*48	64*61	181	73
DM49-A2WA10-P15	2	861	12	24	198	57
DM49-A2WA15-P15	2	632	19	33	194	83
DM49-A2WA24-P15	2	377	28	46	186	85
DM49-A2WA36-P15	2	264	38*31	53*52	193	76
DM49-A2WA50-P15	2	164	50*30	65*60	181	62

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



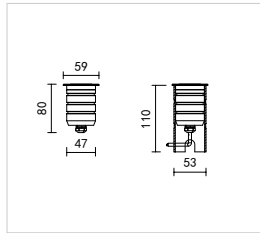
Weight: 0.5KG
Power: DC24V
Color temperature: Monochrome
Driver: Build-in on/off driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM59-P3WA3Q5-BS	3	6080	3.2	5.7	168	20
DM59-P3WA3Q6-SS	3	8240	3.5	6.4	168	35
DM59-P3WA4Q7-LV	3	10288	3.7	7.5	168	56

Anti-glare accessories



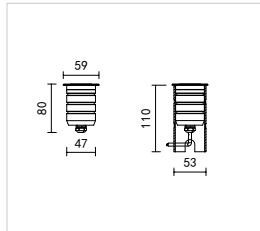
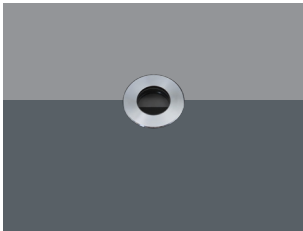
Reflector version



Weight: 0.5KG
Power: DC24V
Color temperature: Monochrome
Driver: Build-in on/off driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM59-F4WA8Q16-LV	4	3541	8	16	232	91
DM59-F6WA13Q24-LV	6	2899	13	25	453	202
DM59-F6WA20Q36-LV	6	2363	20	36	480	317
DM59-F6WA32Q48-LV	6	1193	32	48	456	321
DM59-F6WA49Q68-LV	6	540	49	68	717	308
DM59-F6WA1040-LV	6	1459	10°40		445	223
DM59-F6WA1060-LV	6	916	10°60		486	243
DM59-F6WA1460-LV	6	625	14°60		522	261
DM59-F6WA2063-LV	6	471	20°63		498	249

Reflector wall washer

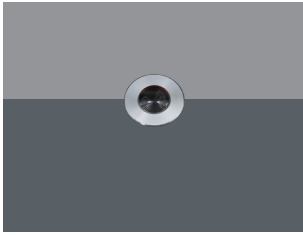


Weight: 0.5KG
Power: DC24V
Color temperature: Monochrome
Driver: Build-in on/off driver

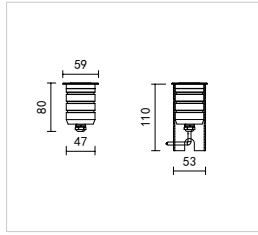
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM59-F4WP15W	4	195	44°72:P15	88°140:P15	196	196

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Lens version



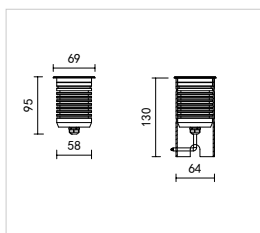
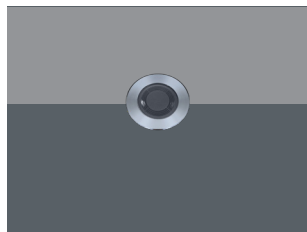
Weight: 0.5KG
Power: DC24V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off driver



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM59-6WA10-LV	6	3577	9	20	574	157
DM59-6WA15-LV	6	1881	18	34	562	226
DM59-6WA24-LV	6	1071	22	40	563	186
DM59-6WA36-LV	6	770	39	64	562	344
DM59-6WA50-LV	6	486	51	81	543	350
DM59-6WA0520-LV	6	3644	5°20		462	180
DM59-6WA10-LV-RGBW	6	2325	9	20	373	102
DM59-6WA15-LV-RGBW	6	1223	18	34	365	147
DM59-6WA24-LV-RGBW	6	696	22	40	366	121
DM59-6WA36-LV-RGBW	6	500	39	64	366	224
DM59-6WA50-LV-RGBW	6	316	51	81	353	228
DM59-6WA08-P05	6	3240	9	20.5	594	145
DM59-6WA10-P05	6	2787	13	28	594	206
DM59-6WA15-P05	6	2359	19	35	582	285
DM59-6WA24-P05	6	1038	30	47	585	278
DM59-6WA36-P05	6	688	39°37	54°53	581	235
DM59-6WA50-P05	6	383	46°48	64°61	543	190
DM59-6WA08-P05-RGBW	6	2106	9	20.5	386	94
DM59-6WA10-P05-RGBW	6	1812	13	28	386	134
DM59-6WA15-P05-RGBW	6	1533	19	35	378	185
DM59-6WA24-P05-RGBW	6	675	30	47	380	181
DM59-6WA36-P05-RGBW	6	447	39°37	54°53	378	153
DM59-6WA50-P05-RGBW	6	249	46°48	64°61	353	124
DM59-6WA10-P15	6	2583	12	24	594	172
DM59-6WA15-P15	6	1895	19	33	582	248
DM59-6WA24-P15	6	1132	28	46	585	256
DM59-6WA36-P15	6	792	38°31	53°52	581	228
DM59-6WA50-P15	6	492	50°30	65°60	543	186
DM59-6WA10-P15-RGBW	6	1679	12	24	386	112
DM59-6WA15-P15-RGBW	6	1232	19	33	378	161
DM59-6WA24-P15-RGBW	6	736	28	46	380	167
DM59-6WA36-P15-RGBW	6	515	38°31	53°52	378	148
DM59-6WA50-P15-RGBW	6	320	50°30	65°60	353	121

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



Weight: 0.55KG
Power: DC24V
Color temperature: Monochrome
Driver: Build-in on/off driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM69-G6WA3Q5-BS	6	7948	3.3	5.4	321	25
DM69-G6WA4Q9-SS	6	9139	4.4	8.7	321	67

Anti-glare accessories

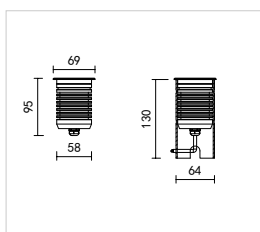
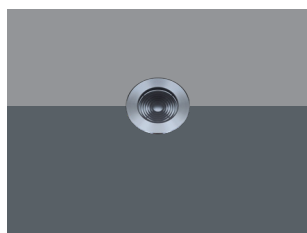


BS

SS

LV

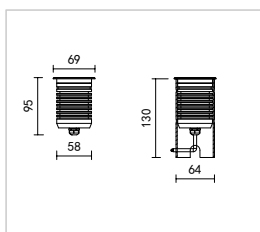
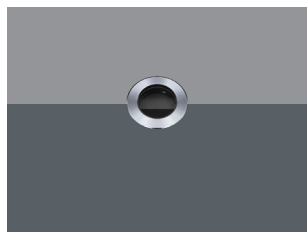
Reflector version



Weight: 0.55KG
Power: DC24V
Color temperature: Monochrome
Driver: Build-in on/off driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM69-F9WA11Q22-LV	9	5445	11	22	795	297
DM69-F9WA16Q29-LV	9	3997	16	29	762	374
DM69-F9WA23Q37-LV	9	2747	23	37	762	436
DM69-F9WA33Q46-LV	9	1815	33	46	711	532
DM69-F9WA49Q77-LV	9	842	49	77	813	544
DM69-F9WA1040-LV	9	2189	10°40		668	334
DM69-F9WA1060-LV	9	1374	10°60		729	365
DM69-F9WA1460-LV	9	937	14°60		783	392
DM69-F9WA2063-LV	9	706	20°63		747	374

Reflector wall washer

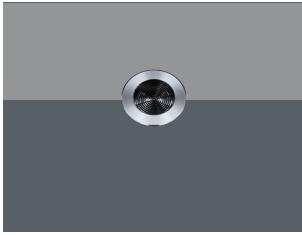


Weight: 0.55KG
Power: DC24V/AC220V (AC220V only for non-dimmable version)
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

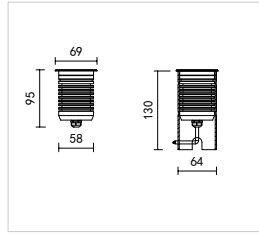
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM69-F8WP15W	8	388	44°72:P15	88°140:P15	392	392

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Lens version

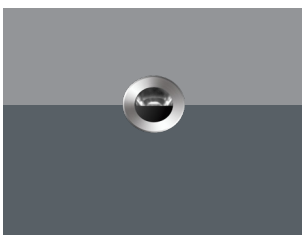


Weight: 0.55KG
Power: DC24V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver

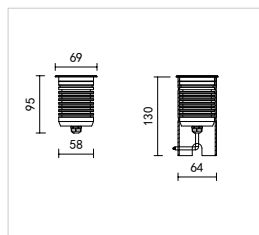


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM69-9WA10-LV	9	5548	9	20	890	243
DM69-9WA15-LV	9	2917	18	34	872	351
DM69-9WA24-LV	9	1661	22	40	871	289
DM69-9WA36-LV	9	1154	39	64	843	516
DM69-9WA50-LV	9	729	51	81	815	516
DM69-9WA0520-LV	9	5466	5°20		692	270
DM69-9WA10-LV-RGBW	9	3606	9	20	579	158
DM69-9WA15-LV-RGBW	9	1896	18	34	567	228
DM69-9WA24-LV-RGBW	9	1080	22	40	566	188
DM69-9WA36-LV-RGBW	9	750	39	64	548	335
DM69-9WA50-LV-RGBW	9	474	51	81	530	335
DM69-9WA10-P05	9	4187	13	28	863	310
DM69-9WA15-P05	9	3543	19	35	861	425
DM69-9WA24-P05	9	1562	30	47	871	404
DM69-9WA36-P05	9	1003	39°37	54°53	871	343
DM69-9WA50-P05	9	561	46°48	64°61	808	278
DM69-9WA10-P05-RGBW	9	2722	13	28	561	202
DM69-9WA15-P05-RGBW	9	2303	19	35	560	276
DM69-9WA24-P05-RGBW	9	1015	30	47	566	263
DM69-9WA36-P05-RGBW	9	652	39°37	54°53	566	223
DM69-9WA50-P05-RGBW	9	365	46°48	64°61	525	181
DM69-9WA10-P15	9	3875	12	24	863	258
DM69-9WA15-P15	9	2843	19	33	861	372
DM69-9WA24-P15	9	1698	28	46	871	384
DM69-9WA36-P15	9	1114	35°27	56°52	871	295
DM69-9WA50-P15	9	738	50°30	65°60	808	279
DM69-9WA10-P15-RGBW	9	2518	12	24	561	168
DM69-9WA15-P15-RGBW	9	1848	19	33	560	242
DM69-9WA24-P15-RGBW	9	1104	28	46	566	250
DM69-9WA36-P15-RGBW	9	724	35°27	56°52	566	192
DM69-9WA50-P15-RGBW	9	480	50°30	65°60	525	181

Lens wall washer



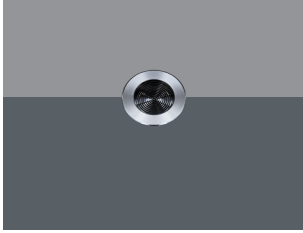
Weight: 0.55KG
Power: DC24V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver



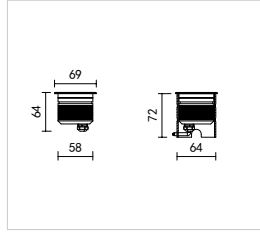
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM69-9WP05	9	1702	22°24:P5	50°49:P5	500	500
DM69-9WP20	9	617	39°52:P20	82°89:P20	472	472
DM69-9WP30	9	476	35°72:P30	119°98:P30	465	465

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Thin Lens version

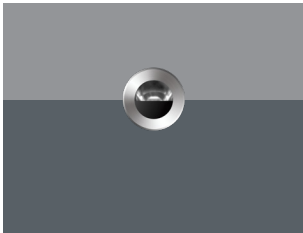


Weight: 0.55KG
Power: DC24V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off driver

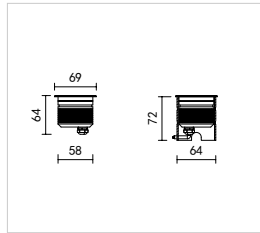


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM69-A6WA10-LV	6.3	3577	9	20	574	157
DM69-A6WA15-LV	6.3	1881	18	34	562	226
DM69-A6WA24-LV	6.3	1071	22	40	562	186
DM69-A6WA36-LV	6.3	769	39	64	562	344
DM69-A6WA50-LV	6.3	486	51	81	543	344
DM69-A6WA10-LV-RGBW	6.3	2325	9	20	373	102
DM69-A6WA15-LV-RGBW	6.3	1223	18	34	365	147
DM69-A6WA24-LV-RGBW	6.3	696	22	40	365	121
DM69-A6WA36-LV-RGBW	6.3	500	39	64	365	224
DM69-A6WA50-LV-RGBW	6.3	316	51	81	353	224

Thin Lens wall washer

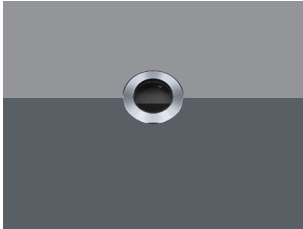


Weight: 0.55KG
Power: DC24V
Color temperature: Monochrome
Driver: Build-in on/off driver

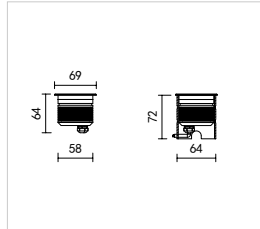


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM69-A6WP05	6	1131	22°24:P5	50°49:P5	333	333
DM69-A6WP20	6	412	39°52:P20	82°89:P20	314	314
DM69-A6WP30	6	318	35°72:P30	119°98:P30	311	311

Thin Reflector wall washer



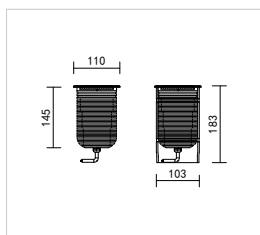
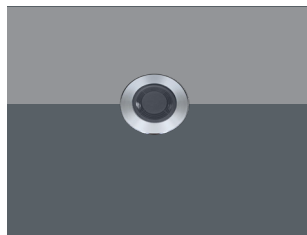
Weight: 0.55KG
Power: DC24V
Color temperature: Monochrome
Driver: Build-in on/off driver



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM69-AF6WP15W	6	291	44°72:P15	88°140:P15	294	294

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



Weight: 1.8KG
Power: DC24V/AC220V (AC220V only for non-dimmable version)
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM103-P3WA1Q3-BS	3	12368	1.2	3.2	175	12
DM103-P3WA2Q6-SS	3	20079	2	5.6	175	58
DM103-P3WA3Q6-LV	3	30923	2.6	6.2	175	127
DM103-G5WA2Q7-LV	5	26240	2	7.1	242	123
DM103-H9WA3Q6-BS	9	12320	3.1	6	447	53
DM103-H9WA4Q7-SS	9	18349	3.5	7	427	90

Anti-glare accessories

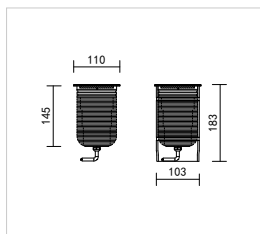


BS

SS

LV

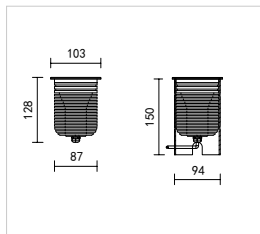
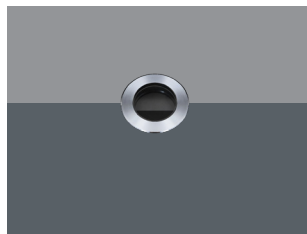
Reflector version



Weight: 1.8KG
Power: DC24V/AC220V (AC220V only for non-dimmable version)
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM103-F18WA12Q24-LV	18	12802	12	24	1646	726
DM103-F18WA17Q30-LV	18	9157	17	30	1602	869
DM103-F18WA20Q35-LV	18	8682	20	35	1569	1114
DM103-F18WA30Q46-LV	18	5149	30	46	1542	1300
DM103-F18WA48Q70-LV	18	1583	48	70	1481	921

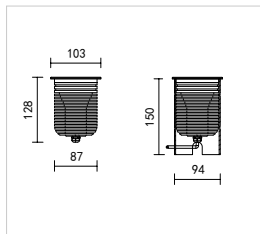
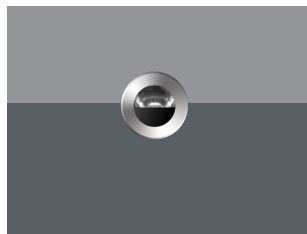
Reflector wall washer



Weight: 1.8KG
Power: DC24V/AC220V (AC220V only for non-dimmable version)
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM103-F12WP15W	12	582	44°72:P15	88°140:P15	587	587
DM103-F12WP15H	12	2687	32°54:P15	45°90:P15	1001	1001
DM103-F12WP15HW	12	726	30°63:P15	80°160:P15	426	426

Lens wall washer

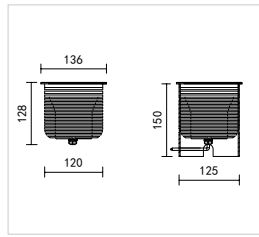
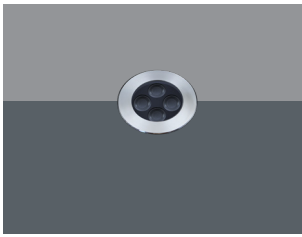


Weight: 1.8KG
Power: DC24V/AC220V (AC220V only for non-dimmable version)
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM103-18WP05	18	3642	22°24:P5	50°49:P5	1006	1006
DM103-18WP20	18	1681	39°52:P20	82°89:P20	943	943
DM103-18WP30	18	948	35°72:P30	119°98:P30	930	930

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



Weight: 2.0KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM136-P12WA3Q5-BS	12	33677	3.1	5.3	672	101
DM136-P12WA3Q6-SS	12	54498	3.2	5.7	672	199

Anti-glare accessories

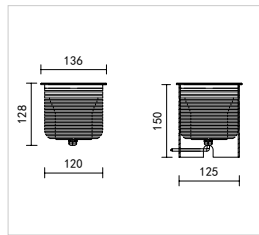


BS

SS

LV

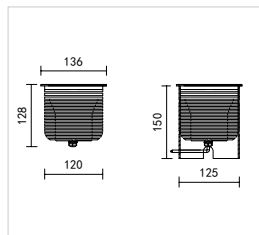
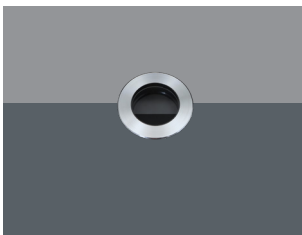
Reflector version



Weight: 2.0KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM136-F16WA8Q16-LV	16	14166	8	16	927	364
DM136-F24WA13Q24-LV	24	11574	13	25	1808	807
DM136-F24WA20Q36-LV	24	9506	20	36	1911	1277.3
DM136-F24WA32Q48-LV	24	4773	32	48	1866	1285
DM136-F24WA49Q68-LV	24	2160	49	68	2868	1233.0
DM136-F24WA8Q16-LV-RGBW	24	9208	8	16	603	237
DM136-F24WA13Q24-LV-RGBW	24	7523	13	25	1175	525
DM136-F24WA20Q36-LV-RGBW	24	6179	20	36	1242	830
DM136-F24WA32Q48-LV-RGBW	24	3102	32	48	1213	835
DM136-F24WA49Q68-LV-RGBW	24	1404	49	68	1864	801
DM136-F24WA1040-LV	24	5836	10°40		1780	890
DM136-F24WA1060-LV	24	3664	10°60		1944	972
DM136-F24WA1460-LV	24	2500	14°60		2088	1044
DM136-F24WA2063-LV	24	1884	20°63		1992	996

Reflector wall washer

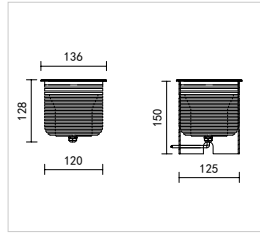
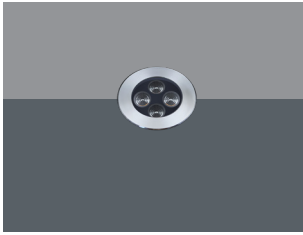


Weight: 2.0KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM136-F16WP15W	16	776	44°72:P15	88°140:P15	784	784
DM136-F24WP15H	24	5375	32°54:P15	45°90:P15	2003	2003
DM136-F24WP15HW	24	1453	30°63:P15	80°160:P15	851	851

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Lens version

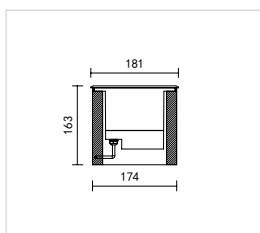


Weight: 2.0KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off, dimmable DALI/ DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM136-24WA10-LV	24	14308	9	20	2297	628
DM136-24WA15-LV	24	7524	18	34	2248	904
DM136-24WA24-LV	24	4284	22	40	2250	744
DM136-24WA36-LV	24	3078	39	64	2249	1376
DM136-24WA50-LV	24	1944	51	81	2172	1400
DM136-24WA0520-LV	24	14575	5°20		1849	721
DM136-24WA10-LV-RGBW	24	9300	9	20	1493	408
DM136-24WA15-LV-RGBW	24	4891	18	34	1461	588
DM136-24WA24-LV-RGBW	24	2785	22	40	1463	484
DM136-24WA36-LV-RGBW	24	2001	39	64	1462	894
DM136-24WA50-LV-RGBW	24	1264	51	81	1412	910
DM136-24WA08-P05	24	12960	9	20.5	2260	582
DM136-24WA10-P05	24	11149	13	28	2376	824
DM136-24WA15-P05	24	9482	19	35	2328	1139
DM136-24WA24-P05	24	4300	30	47	2340	1111
DM136-24WA36-P05	24	2753	39°37	54°53	2324	942
DM136-24WA50-P05	24	1534	46°48	64°61	2172	761
DM136-24WA08-P05-RGBW	24	8424	9	20.5	1469	378
DM136-24WA10-P05-RGBW	24	7247	13	28	1544	536
DM136-24WA15-P05-RGBW	24	6163	19	35	1513	740
DM136-24WA24-P05-RGBW	24	2795	30	47	1521	722
DM136-24WA36-P05-RGBW	24	1789	39°37	54°53	1511	612
DM136-24WA50-P05-RGBW	24	997	46°48	64°61	1412	495
DM136-24WA10-P15	24	10332	12	24	2376	689
DM136-24WA15-P15	24	7580	19	33	2328	992
DM136-24WA24-P15	24	4528	28	46	2340	1025
DM136-24WA36-P15	24	3168	38°31	53°52	2324	913
DM136-24WA50-P15	24	1968	50°30	65°60	2172	744
DM136-24WA10-P15-RGBW	24	6716	12	24	1544	448
DM136-24WA15-P15-RGBW	24	4927	19	33	1513	645
DM136-24WA24-P15-RGBW	24	2943	28	46	1521	666
DM136-24WA36-P15-RGBW	24	2059	38°31	53°52	1511	594
DM136-24WA50-P15-RGBW	24	1279	50°30	65°60	1412	484

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



Weight: 2.5KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM180-P21WA3Q5-BS	21	58934	3.1	5.3	1156	178
DM180-P21WA3Q6-SS	21	96800	3.2	5.7	1156	353

Anti-glare accessories

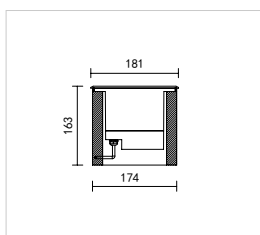
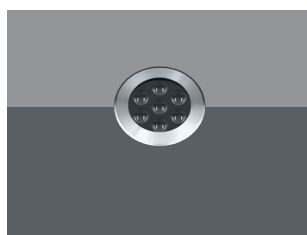


BS

SS

LV

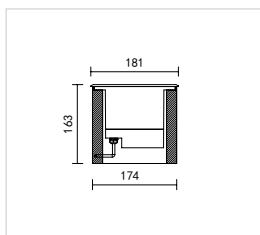
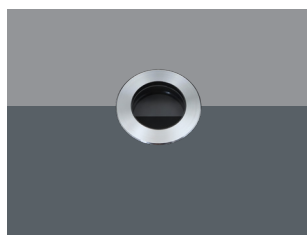
Reflector version



Weight: 2.5KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM180-F24WA11Q21-LV	24	14221	11	22	2075	776
DM180-F24WA16Q29-LV	24	11147	16	29	2124	1043
DM180-F24WA23Q37-LV	24	7631	23	37	2117	1161
DM180-F24WA33Q46-LV	24	4340	33	46	1897	1452
DM180-F24WA49Q77-LV	24	2243	49	77	2177	1452
DM180-F24WA11Q21-LV-RGBW	24	9244	11	22	1349	504
DM180-F24WA16Q29-LV-RGBW	24	7246	16	29	1381	678
DM180-F24WA23Q37-LV-RGBW	24	4960	23	37	1376	755
DM180-F24WA33Q46-LV-RGBW	24	2821	33	46	1233	944
DM180-F24WA49Q77-LV-RGBW	24	1458	49	77	1415	944
DM180-F24WA1040-LV	24	5836	10°40		1780	890
DM180-F24WA1060-LV	24	3664	10°60		1944	972
DM180-F24WA1460-LV	24	2500	14°60		2088	1044
DM180-F24WA2063-LV	24	1884	20°63		1992	996

Reflector wall washer

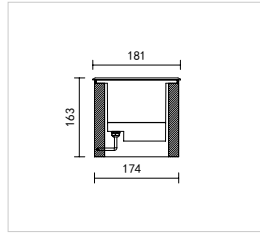


Weight: 2.5KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM180-F20WP15W	20	971	44°72:P15	88°140:P15	980	980
DM180-F24WP15H	24	5375	32°54:P15	45°90:P15	2003	2003
DM180-F24WP15HW	24	1453	30°63:P15	80°160:P15	852	851

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

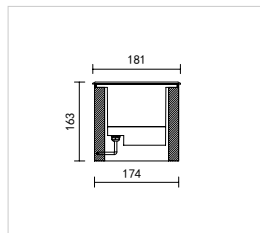
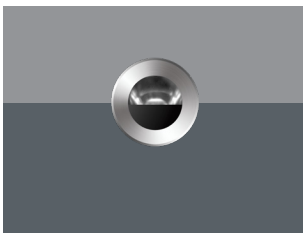
Lens version



Weight: 2.5KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM180-24WA10-LV	24	14310	9	20	2296	628
DM180-24WA15-LV	24	7524	18	34	2250	904
DM180-24WA24-LV	24	4284	22	40	2250	745
DM180-24WA36-LV	24	3078	39	64	2249	1377
DM180-24WA50-LV	24	1944	51	81	2172	1377
DM180-24WA0520-LV	24	14575	5°20		1849	721
DM180-24WA10-LV-RGBW	24	9302	9	20	1492	408
DM180-24WA15-LV-RGBW	24	4891	18	34	1463	588
DM180-24WA24-LV-RGBW	24	2785	22	40	1463	484
DM180-24WA36-LV-RGBW	24	2001	39	64	1462	895
DM180-24WA50-LV-RGBW	24	1264	51	81	1412	895
DM180-24WA08-P05	24	12960	9	20.5	2260	582
DM180-24WA10-P05	24	11149	13	28	2376	824
DM180-24WA15-P05	24	9482	19	35	2328	1139
DM180-24WA24-P05	24	4300	30	47	2340	1111
DM180-24WA36-P05	24	2753	39°37	54°53	2324	942
DM180-24WA50-P05	24	1534	46°48	64°61	2172	761
DM180-24WA10-P05-RGBW	24	7247	13	28	1544	536
DM180-24WA15-P05-RGBW	24	6163	19	35	1513	740
DM180-24WA24-P05-RGBW	24	2795	30	47	1521	722
DM180-24WA36-P05-RGBW	24	1789	39°37	54°53	1511	612
DM180-24WA50-P05-RGBW	24	997	46°48	64°61	1412	495
DM180-24WA10-P15	24	10332	12	24	2376	689
DM180-24WA15-P15	24	7580	19	33	2328	995
DM180-24WA24-P15	24	4528	28	46	2340	1025
DM180-24WA36-P15	24	3168	38°31	53°52	2324	913
DM180-24WA50-P15	24	1848	50°30	65°60	2172	744
DM180-24WA10-P15-RGBW	24	6716	12	24	1544	448
DM180-24WA15-P15-RGBW	24	4927	19	33	1513	647
DM180-24WA24-P15-RGBW	24	2943	28	46	1521	666
DM180-24WA36-P15-RGBW	24	2059	38°31	53°52	1511	594
DM180-24WA50-P15-RGBW	24	1201	50°30	65°60	1412	484

Lens wall washer

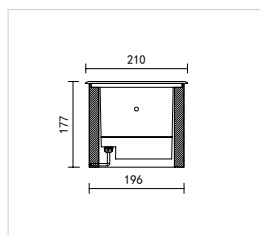


Weight: 2.5KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM180-30WP05	30	5829	22°24:P5	50°49:P5	1575	1575
DM180-30WP20	30	2048	39°52:P20	82°89:P20	1529	1529
DM180-30WP30	30	1575	35°72:P30	119°98:P30	1507	1507

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



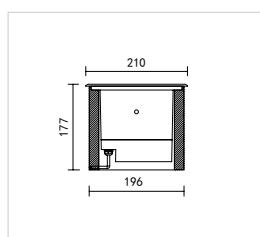
Weight: 3.4KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM210-F27WA3Q5-BS	27	77056	3.1	5.3	1512	232
DM210-F27WA3Q6-SS	27	122703	3.2	5.7	1512	448

Anti-glare accessories



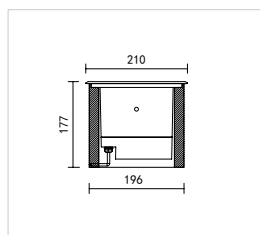
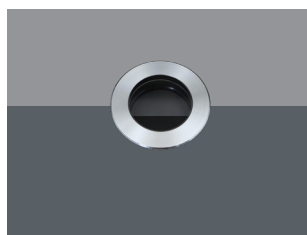
Reflector version



Weight: 3.4KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM210-F36WA11Q21-LV	36	21780	11	22	3180	1189
DM210-F36WA16Q29-LV	36	15987	16	29	3046	1497
DM210-F36WA23Q37-LV	36	10988	23	37	3048	1742
DM210-F36WA33Q46-LV	36	7260	33	46	2845	2178
DM210-F36WA49Q77-LV	36	3365	49	77	3265	2178
DM210-F36WA11Q21-LV-RGBW	36	14157	11	22	2067	773
DM210-F36WA16Q29-LV-RGBW	36	10392	16	29	1980	973
DM210-F36WA23Q37-LV-RGBW	36	7142	23	37	1981	1132
DM210-F36WA33Q46-LV-RGBW	36	4719	33	46	1849	1416
DM210-F36WA49Q77-LV-RGBW	36	2187	49	77	2122	1416
DM210-F36WA1040-LV	36	8755	10°40		2670	1335
DM210-F36WA1060-LV	36	5496	10°60		2916	1458
DM210-F36WA1460-LV	36	3750	14°60		3132	1566
DM210-F36WA2063-LV	36	2826	20°63		2988	1494

Reflector wall washer



Weight: 3.4KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

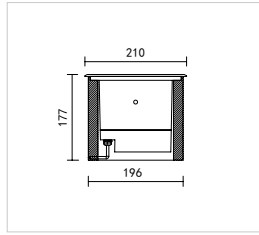
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM210-F24WP15W	24	1164	44°72:P15	88°140:P15	1175	1175
DM210-F36WP15H	36	8058	32°54:P15	45°90:P15	3003	3003
DM210-F36WP15HW	36	2179	30°63:P15	80°160:P15	1277	1277

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Lens version



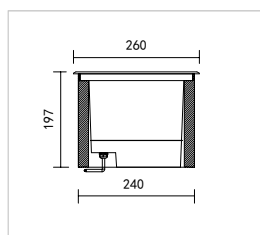
Weight: 3.4KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/RGBW
 Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM210-36WA10-LV	36	21465	9	20	3445	942
DM210-36WA15-LV	36	11286	18	34	3375	1356
DM210-36WA24-LV	36	6426	22	40	3375	1117
DM210-36WA36-LV	36	4617	39	64	3374	2066
DM210-36WA50-LV	36	2916	51	81	3258	2066
DM210-36WA0520-LV	36	21864	5*20		2772	1081
DM210-36WA10-LV-RGBW	36	13952	9	20	2239	612
DM210-36WA15-LV-RGBW	36	7336	18	34	2194	881
DM210-36WA24-LV-RGBW	36	4177	22	40	2194	726
DM210-36WA36-LV-RGBW	36	3001	39	64	2193	1343
DM210-36WA50-LV-RGBW	36	1895	51	81	2118	1343
DM210-36WA08-P05	36	19940	9	20.5	3390	873
DM210-36WA10-P05	36	16724	13	28	3664	1237
DM210-36WA15-P05	36	14223	19	35	3492	1708
DM210-36WA24-P05	36	6450	30	47	3510	1667
DM210-36WA36-P05	36	4128	39*37	54*53	3486	1412
DM210-36WA50-P05	36	2302	46*48	64*61	3258	1141
DM210-36WA08-P05-RGBW	36	12961	9	20.5	2204	567
DM210-36WA10-P05-RGBW	36	10871	13	28	2317	804
DM210-36WA15-P05-RGBW	36	9245	19	35	2270	1110
DM210-36WA24-P05-RGBW	36	4193	30	47	2282	1084
DM210-36WA36-P05-RGBW	36	2683	39*37	54*53	2266	918
DM210-36WA50-P05-RGBW	36	1496	46*48	64*61	2118	742
DM210-36WA10-P15	36	15498	12	24	3664	1034
DM210-36WA15-P15	36	11370	19	33	3492	1488
DM210-36WA24-P15	36	6792	28	46	3510	1537
DM210-36WA36-P15	36	4752	38*31	53*52	3486	1370
DM210-36WA50-P15	36	2952	50*30	65*60	3258	1116
DM210-36WA10-P15-RGBW	36	10074	12	24	2317	672
DM210-36WA15-P15-RGBW	36	7391	19	33	2270	967
DM210-36WA24-P15-RGBW	36	4415	28	46	2282	999
DM210-36WA36-P15-RGBW	36	3089	38*31	53*52	2266	890
DM210-36WA50-P15-RGBW	36	1919	50*30	65*60	2118	725

Light output value is based on 3000K ;
 The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



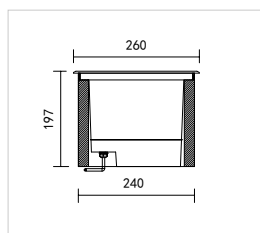
Weight: 5.1KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off - dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM260-P45WA3Q5-BS	45	128426	3.1	5.3	2520	387
DM260-P45WA3Q6-SS	45	204509	3.2	5.7	2520	747

Anti-glare accessories



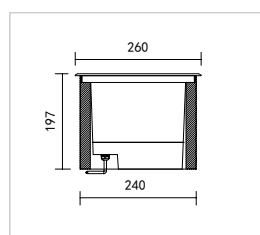
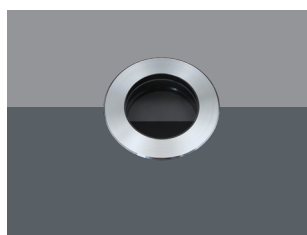
Reflector version



Weight: 5.1KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off - dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM260-F48WA12Q24-LV	48	34138	12	24	4368	1936
DM260-F48WA17Q30-LV	48	24816	17	30	4272	2355
DM260-F48WA20Q35-LV	48	23182	20	35	4189	2975
DM260-F48WA30Q46-LV	48	13929	30	46	4113	3468
DM260-F48WA48Q70-LV	48	4221	48	70	3949	2456
DM260-F48WA12Q24-LV-RGBW	48	22190	12	24	2839	1258
DM260-F48WA17Q30-LV-RGBW	48	16130	17	30	2777	1531
DM260-F48WA20Q35-LV-RGBW	48	15068	20	35	2723	1934
DM260-F48WA30Q46-LV-RGBW	48	9054	30	46	2673	2254
DM260-F48WA48Q70-LV-RGBW	48	2744	48	70	2567	1596
DM260-F48WA1040-LV	48	11672	10°40		3560	1780
DM260-F48WA1060-LV	48	7328	10°60		3888	1944
DM260-F48WA1460-LV	48	5000	14°60		4176	2088
DM260-F48WA2063-LV	48	3768	20°63		3984	1992

Reflector wall washer

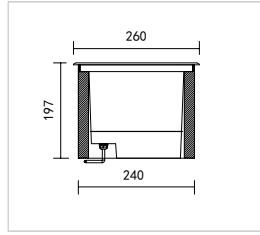


Weight: 5.1KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off - dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM260-F32WP15W	32	1553	44°72:P15	88°140:P15	1568	1568
DM260-F48WP15H	48	10749	32°54:P15	45°90:P15	4006	4006
DM260-F48WP15HW	48	2906	30°63:P15	80°160:P15	1703	1703

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Lens version

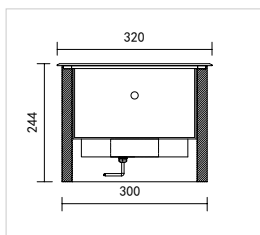


Weight: 5.1KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/RGBW
 Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM260-48WA10-LV	48	28616	9	20	4594	1256
DM260-48WA15-LV	48	15048	18	34	4496	1808
DM260-48WA24-LV	48	8568	22	40	4500.8	1488
DM260-48WA36-LV	48	6156	39	64	4499.2	2752
DM260-48WA50-LV	48	3888	51	81	4344	2800
DM260-48WA0520-LV	48	29152	5°20		3695	1441
DM260-48WA10-LV-RGBW	48	18600	9	20	2986	816
DM260-48WA15-LV-RGBW	48	9781	18	34	2922	1175
DM260-48WA24-LV-RGBW	48	5569	22	40	2926	967
DM260-48WA36-LV-RGBW	48	4001	39	64	2924	1789
DM260-48WA50-LV-RGBW	48	2527	51	81	2824	1820
DM260-48WA08-P05	48	25920	9	20.5	4520	1163
DM260-48WA10-P05	48	22298	13	28	4752	1649
DM260-48WA15-P05	48	18964	19	35	4656	2277
DM260-48WA24-P05	48	8599	30	47	4680	2222
DM260-48WA36-P05	48	5504	39°37	54°53	4648	1883
DM260-48WA50-P05	48	3069	46°48	64°61	4344	1521
DM260-48WA08-P05-RGBW	48	16848	9	20.5	2938	756
DM260-48WA10-P05-RGBW	48	14494	13	28	3089	1072
DM260-48WA15-P05-RGBW	48	12327	19	35	3026	1480
DM260-48WA24-P05-RGBW	48	5589	30	47	3042	1444
DM260-48WA36-P05-RGBW	48	3578	39°37	54°53	3021	1224
DM260-48WA50-P05-RGBW	48	1995	46°48	64°61	2824	989
DM260-48WA10-P15	48	20664	12	24	4752	1378.4
DM260-48WA15-P15	48	15160	19	33	4656	1984
DM260-48WA24-P15	48	9056	28	46	4680	2049.6
DM260-48WA36-P15	48	6336	38°31	53°52	4648	1826.4
DM260-48WA50-P15	48	3936	50°30	65°60	4344	1488
DM260-48WA10-P15-RGBW	48	13432	12	24	3089	896
DM260-48WA15-P15-RGBW	48	9854	19	33	3026	1290
DM260-48WA24-P15-RGBW	48	5886	28	46	3042	1332
DM260-48WA36-P15-RGBW	48	4118	38°31	53°52	3021	1187
DM260-48WA50-P15-RGBW	48	2558	50°30	65°60	2824	967

Light output value is based on 3000K ;
 The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



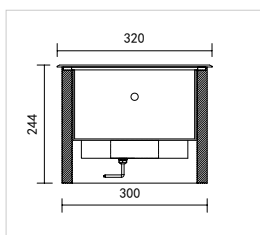
Weight: 6.8KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM320-P84WA3Q5-BS	84	239736	3.1	5.3	4704	722
DM320-P84WA3Q6-SS	84	381740	3.2	5.7	4704	1394

Anti-glare accessories



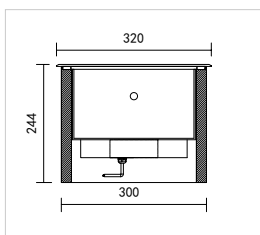
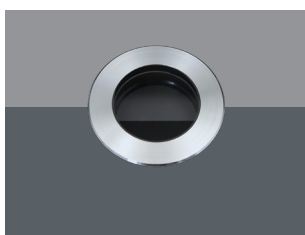
Reflector version



Weight: 6.8KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM320-F84WA12Q24-LV	84	59429	12	24	7644	3371
DM320-F84WA17Q30-LV	84	43458	17	30	7476	4123
DM320-F84WA20Q35-LV	84	40913	20	35	7330	5272
DM320-F84WA30Q46-LV	84	24376	30	46	7197	6068
DM320-F84WA48Q70-LV	84	7815	48	70	6910	4548
DM320-F84WA12Q24-LV-RGBW	84	38629	12	24	4969	2191
DM320-F84WA17Q30-LV-RGBW	84	28248	17	30	4859	2680
DM320-F84WA20Q35-LV-RGBW	84	26593	20	35	4765	3427
DM320-F84WA30Q46-LV-RGBW	84	15844	30	46	4678	3944
DM320-F84WA48Q70-LV-RGBW	84	5080	48	70	4492	2956
DM320-F84WA1040-LV	84	20426	10°40		6230	3115
DM320-F84WA1060-LV	84	12824	10°60		6804	3402
DM320-F84WA1460-LV	84	8750	14°60		7308	3654
DM320-F84WA2063-LV	84	6594	20°63		6972	3486

Reflector wall washer

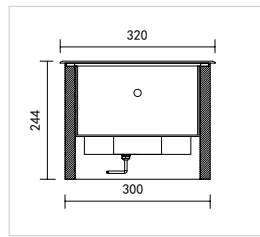


Weight: 6.8KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM320-F40WP15W	40	1940	44°72: P15	88°140:P15	1960	1960
DM320-F60WP15H	60	11437	32°54:P15	45°90:P15	5007	5007
DM320-F60WP15HW	60	3634	30°63:P15	80°160:P15	2130	2130

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Lens version



Weight: 6.8KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM320-84WA10-LV	84	50085	9	20	8038	2192
DM320-84WA15-LV	84	26334	18	34	7876	3165
DM320-84WA24-LV	84	14994	22	40	7876	2606
DM320-84WA36-LV	84	10773	39	64	7873	4820
DM320-84WA50-LV	84	6804	51	81	7602	4895
DM320-84WA0520-LV	84	51016	5°20		6469	2523
DM320-84WA10-LV-RGBW	84	32555	9	20	5225	1425
DM320-84WA15-LV-RGBW	84	17117	18	34	5119	2057
DM320-84WA24-LV-RGBW	84	9746	22	40	5119	1694
DM320-84WA36-LV-RGBW	84	7002	39	64	5117	3133
DM320-84WA50-LV-RGBW	84	4423	51	81	4941	3182
DM320-84WA08-P05	84	45360	9	20.5	7910	2036
DM320-84WA10-P05	84	39022	13	28	8316	2886
DM320-84WA15-P05	84	33186	19	35	8148	3985
DM320-84WA24-P05	84	15049	30	47	8190	3889
DM320-84WA36-P05	84	9632	39°37	54°53	8134	3295
DM320-84WA50-P05	84	5371	46°48	64°61	7602	2663
DM320-84WA08-P05-RGBW	84	29484	9	20.5	5142	1323
DM320-84WA10-P05-RGBW	84	25364	13	28	5405	1876
DM320-84WA15-P05-RGBW	84	21571	19	35	5296	2590
DM320-84WA24-P05-RGBW	84	9782	30	47	5324	2528
DM320-84WA36-P05-RGBW	84	6261	39°37	54°53	5287	2142
DM320-84WA50-P05-RGBW	84	3491	46°48	64°61	4941	1731
DM320-84WA10-P15	84	36162	12	24	8316	2412
DM320-84WA15-P15	84	26530	19	33	8148	3472
DM320-84WA24-P15	84	15848	28	46	8190	3587
DM320-84WA36-P15	84	11088	38°31	53°52	8134	3196
DM320-84WA50-P15	84	6888	50°30	65°60	7602	2604
DM320-84WA10-P15-RGBW	84	23505	12	24	5405	1568
DM320-84WA15-P15-RGBW	84	17245	19	33	5296	2257
DM320-84WA24-P15-RGBW	84	10301	28	46	5324	2331
DM320-84WA36-P15-RGBW	84	7207	38°31	53°52	5287	2078
DM320-84WA50-P15-RGBW	84	4477	50°30	65°60	4941	1693

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

THINKgis

Aiming adjustable In-ground light

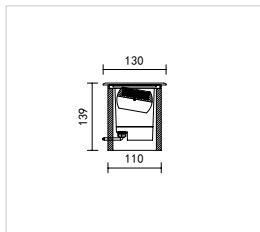
Anti-glare reflector optics design

Anti-glare lens optics design





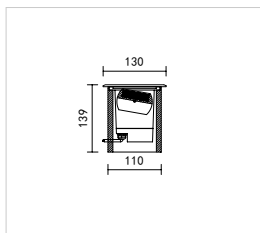
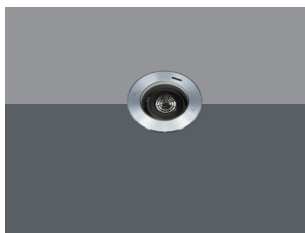
Adjustable reflector version , Adjust from side



Weight: 1.9KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGB/RGBW
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM136-TF6WA20Q37-LV	6	1608	20	37	588	239
DM136-TF6WA38Q64-LV	6	852	38	64	590	368
DM136-TF6WA66Q77-LV	6	684	66	77	716	550

Adjustable lens version , Adjust from side

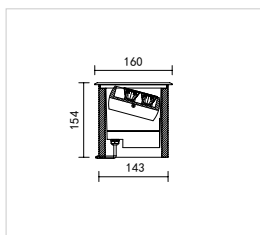
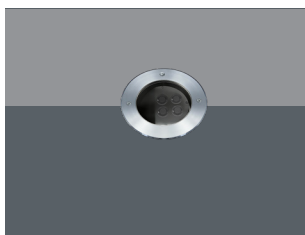


Weight: 1.9KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGB/RGBW
Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM136-T6WA10-LV	6	3577	9	20	574	157
DM136-T6WA15-LV	6	1881	18	34	562	226
DM136-T6WA24-LV	6	1071	22	40	562	186
DM136-T6WA36-LV	6	769	39	64	562	344
DM136-T6WA50-LV	6	486	51	81	543	350
DM136-T6WA10-LV-RGBW	6	2325	9	20	373	102
DM136-T6WA15-LV-RGBW	6	1222	18	34	365	146
DM136-T6WA24-LV-RGBW	6	696	22	40	365	120
DM136-T6WA36-LV-RGBW	6	499	39	64	365	223
DM136-T6WA50-LV-RGBW	6	315	51	81	352	227

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Adjustable super narrow beam , Adjust from side

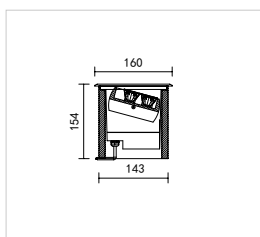


Weight: 2.3KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGB/RGBW
Driver: Build-in on/off、dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM160-TP9WA3Q7-BS	9	9855	3.2	7.1	465	48
DM160-TP9WA4Q10-SS	9	13764	4.2	9.7	465	123

Anti-glare accessories

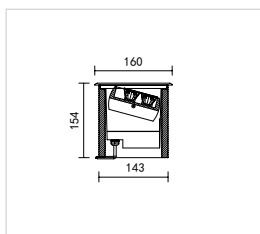
Adjustable reflector version , Adjust from side



Weight: 2.3KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGB/RGBW
Driver: Build-in on/off、dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM160-TF12WA20Q37-LV	12	3215	20	37	1174	479
DM160-TF12WA38Q64-LV	12	1702	38	64	1181	735
DM160-TF12WA66Q77-LV	12	1367	66	77	1433	1099

Adjustable lens version , Adjust from side

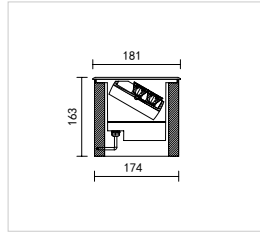
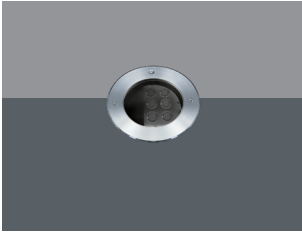


Weight: 2.3KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGB/RGBW
Driver: Build-in on/off、dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM160-T12WA10-LV	12	7154	9	20	1148	314
DM160-T12WA15-LV	12	3762	18	34	1124	452
DM160-T12WA24-LV	12	2142	22	40	1124	372
DM160-T12WA36-LV	12	1538	39	64	1124	688
DM160-T12WA50-LV	12	972	51	81	1086	700
DM160-T12WA10-LV-RGBW	12	4650	9	20	746	204
DM160-T12WA15-LV-RGBW	12	2445	18	34	730	293
DM160-T12WA24-LV-RGBW	12	1392	22	40	730	241
DM160-T12WA36-LV-RGBW	12	999	39	64	730	447
DM160-T12WA50-LV-RGBW	12	631	51	81	705	455

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

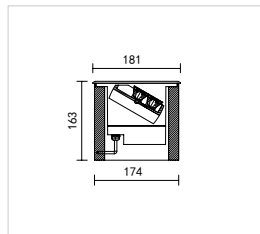
Adjustable super narrow beam , Adjust from side



Weight: 2.5KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off、dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM180-TP12A3Q7-BS	12	18352	3.2	7.1	620	165
DM180-TP12A4Q10-SS	12	7456	4.2	9.7	620	192

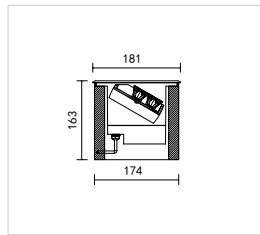
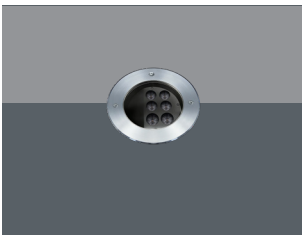
Adjustable reflector version , Adjust from top



Weight: 2.5KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off、dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM180-TF15WA20Q37-LV	15	3994	20	37	1475	594
DM180-TF15WA38Q64-LV	15	2115	38	64	1475	913
DM180-TF15WA66Q77-LV	15	1699	66	77	1767	1365

Adjustable lens version , Adjust from top

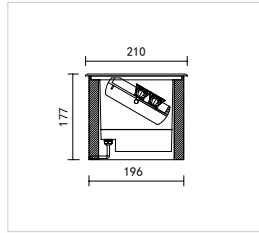
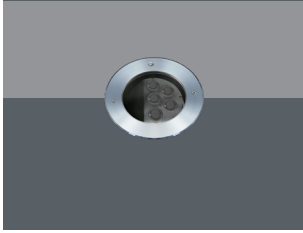


Weight: 2.5KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGB/RGBW
Driver: Build-in on/off、dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM180-T15WA10-LV	15	8943	9	20	1435	391
DM180-T15WA15-LV	15	4702	18	34	1406	565
DM180-T15WA24-LV	15	2677	22	40	1406	465
DM180-T15WA36-LV	15	1923	39	64	1406	861
DM180-T15WA50-LV	15	1215	51	81	1357	874
DM180-T15WA10-LV-RGBW	15	5812	9	20	932	254
DM180-T15WA15-LV-RGBW	15	3056	18	34	913	367
DM180-T15WA24-LV-RGBW	15	1740	22	40	913	302
DM180-T15WA36-LV-RGBW	15	1249	39	64	913	559
DM180-T15WA50-LV-RGBW	15	789	51	81	882	568

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

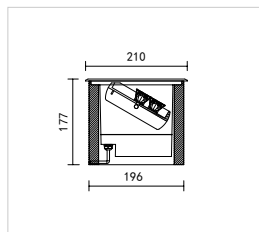
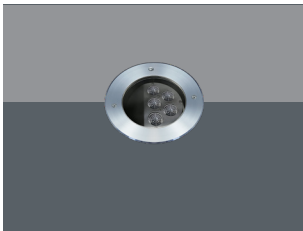
Adjustable super narrow beam , Adjust from side



Weight: 3.4KG
Power: DC24V/AC220V
Color temperature : Monochrome
Driver: Build-in on/off - dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM210-TP15WA3Q5-BS	15	42096	3	5	840	126
DM210-TP15WA3Q6-SS	15	68123	3	6	840	249

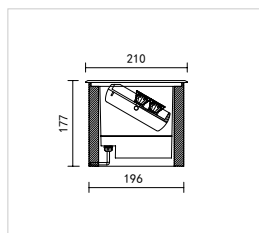
Adjustable reflector version , Adjust from top



Weight: 3.4KG
Power: DC24V/AC220V
Color temperature : Monochrome
Driver: Build-in on/off - dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM210-TF20WA8Q16-LV	20	17707	8	16	1159	456
DM210-TF24WA15Q28-LV	24	11340	15	28	2381	899
DM210-TF24WA19Q35-LV	24	8583	19	35	2381	1084
DM210-TF24WA37Q58-LV	24	3808	37	58	2381	1449
DM210-TF24WA49Q68-LV	24	2160	49	68	2526	1233
DM210-TF24WA8Q16-LV-RGBW	24	11510	8	16	753	296
DM210-TF24WA15Q28-LV-RGBW	24	7371	15	28	1548	584
DM210-TF24WA19Q35-LV-RGBW	24	5579	19	35	1548	705
DM210-TF24WA37Q58-LV-RGBW	24	2475	37	58	1548	942
DM210-TF24WA49Q68-LV-RGBW	24	1404	49	68	1642	801

Adjustable lens version , Adjust from top

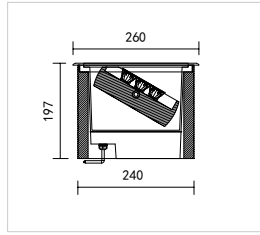


Weight: 3.4KG
Power: DC24V/AC220V
Color temperature : Monochrome
Driver: Build-in on/off - dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM210-T24WA10-LV	24	14308	9	21	2297	628
DM210-T24WA15-LV	24	7524	18	34	2248	904
DM210-T24WA24-LV	24	4284	22	41	2250	744
DM210-T24WA36-LV	24	3078	39	64	2250	1376
DM210-T24WA50-LV	24	1944	51	81	2172	1400
DM210-T24WA10-LV-RGBW	24	9300	9	21	1493	408
DM210-T24WA15-LV-RGBW	24	4891	18	34	1461	588
DM210-T24WA24-LV-RGBW	24	2785	22	41	1463	484
DM210-T24WA36-LV-RGBW	24	2001	39	64	1462	894
DM210-T24WA50-LV-RGBW	24	1264	51	81	1412	910

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

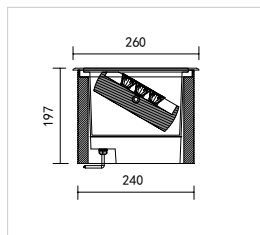
Adjustable super narrow beam , Adjust from side



Weight: 5.1KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM260-TP30WA3Q5-BS	30	85620	3	5	1680	258
DM260-TP30WA3Q6-SS	30	136336	3	6	1680	498

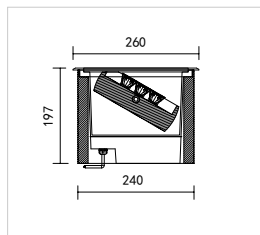
Adjustable reflector version , Adjust from top



Weight: 5.1KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM260-TF36WA8Q16-LV	36	31873	8	16	2086	820
DM260-TF36WA15Q28-LV	36	17010	15	28	3572	1349
DM260-TF36WA19Q35-LV	36	12875	19	35	3572	1626
DM260-TF36WA37Q58-LV	36	5712	37	58	3572	2174
DM260-TF36WA49Q68-LV	36	3240	49	68	3789	1850
DM260-TF36WA8Q16-LV-RGBW	36	20717	8	16	1356	533
DM260-TF36WA15Q28-LV-RGBW	36	11057	15	28	2321	877
DM260-TF36WA19Q35-LV-RGBW	36	8368	19	35	2321	1057
DM260-TF36WA37Q58-LV-RGBW	36	3713	37	58	2321	1413
DM260-TF36WA49Q68-LV-RGBW	36	2106	49	68	2463	1202

Adjustable lens version , Adjust from top

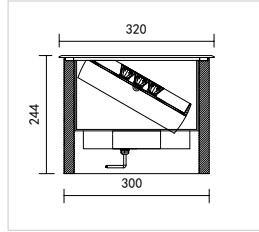


Weight: 5.1KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM260-T36WA10-LV	36	21462	9	21	3445	942
DM260-T36WA15-LV	36	11286	18	34	3372	1356
DM260-T36WA24-LV	36	6426	22	41	3376	1116
DM260-T36WA36-LV	36	4617	39	64	3374	2064
DM260-T36WA50-LV	36	2916	51	81	3258	2100
DM260-T36WA10-LV-RGBW	36	13950	9	21	2239	612
DM260-T36WA15-LV-RGBW	36	7336	18	34	2192	881
DM260-T36WA24-LV-RGBW	36	4177	22	41	2194	725
DM260-T36WA36-LV-RGBW	36	3001	39	64	2193	1342
DM260-T36WA50-LV-RGBW	36	1895	51	81	2118	1365

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Adjustable super narrow beam , Adjust from side

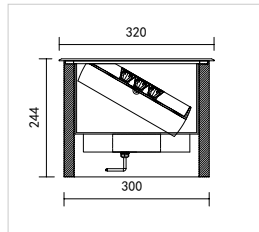


Weight: 6.8KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGB/RGBW
Driver: Build-in on/off、dimmable DALI/0-10V driver

CODE

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM320-TP48WA3Q5-BS	48	136992	3	5	2688	413
DM320-TP48WA3Q6-SS	48	218137	3	6	2688	797

Adjustable reflector version , Adjust from top

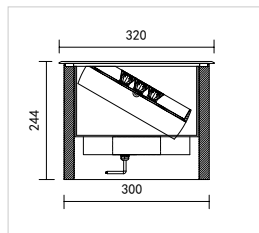


Weight: 6.8KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGB/RGBW
Driver: Build-in on/off、dimmable DALI/DMX512/0-10V driver

CODE

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM320-TF54WA8Q16-LV	54	49581	8	16	3245	1275
DM320-TF54WA15Q28-LV	54	25510	15	28	5555	2097
DM320-TF54WA19Q35-LV	54	19308	19	35	5555	2528
DM320-TF54WA37Q58-LV	54	8567	37	58	5555	3380
DM320-TF54WA49Q68-LV	54	4859	49	68	5893	2876
DM320-TF54WA8Q16-LV-RGBW	54	32228	8	16	2109	829
DM320-TF54WA15Q28-LV-RGBW	54	16582	15	28	3611	1363
DM320-TF54WA19Q35-LV-RGBW	54	12550	19	35	3611	1643
DM320-TF54WA37Q58-LV-RGBW	54	5569	37	58	3611	2197
DM320-TF54WA49Q68-LV-RGBW	54	3158	49	68	3830	1869

Adjustable lens version , Adjust from top



Weight: 6.8KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGB/RGBW
Driver: Build-in on/off、dimmable DALI/DMX512/0-10V driver

CODE

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM320-T54WA10-LV	54	32193	9	20	5167	1413
DM320-T54WA15-LV	54	16929	18	34	5058	2034
DM320-T54WA24-LV	54	9639	22	40	5063	1674
DM320-T54WA36-LV	54	6925	39	64	5061	3096
DM320-T54WA50-LV	54	4374	51	81	4887	3150
DM320-T54WA10-LV-RGBW	54	20925	9	20	3359	918
DM320-T54WA15-LV-RGBW	54	11003	18	34	3287	1322
DM320-T54WA24-LV-RGBW	54	6265	22	40	3291	1088
DM320-T54WA36-LV-RGBW	54	4501	39	64	3290	2012
DM320-T54WA50-LV-RGBW	54	2843	51	81	3176	2047

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

THINKgis

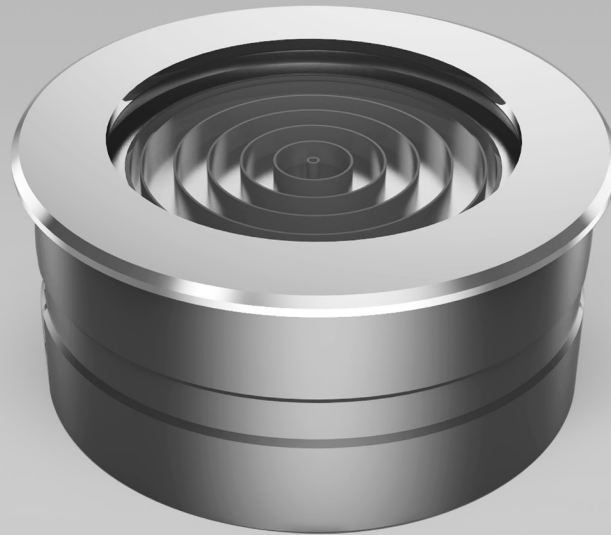
Ultra-Thin In-Ground Light

Anti-glare reflector optics design

Anti-glare lens optics design

Reflector wall washer design

Lens wall washer design



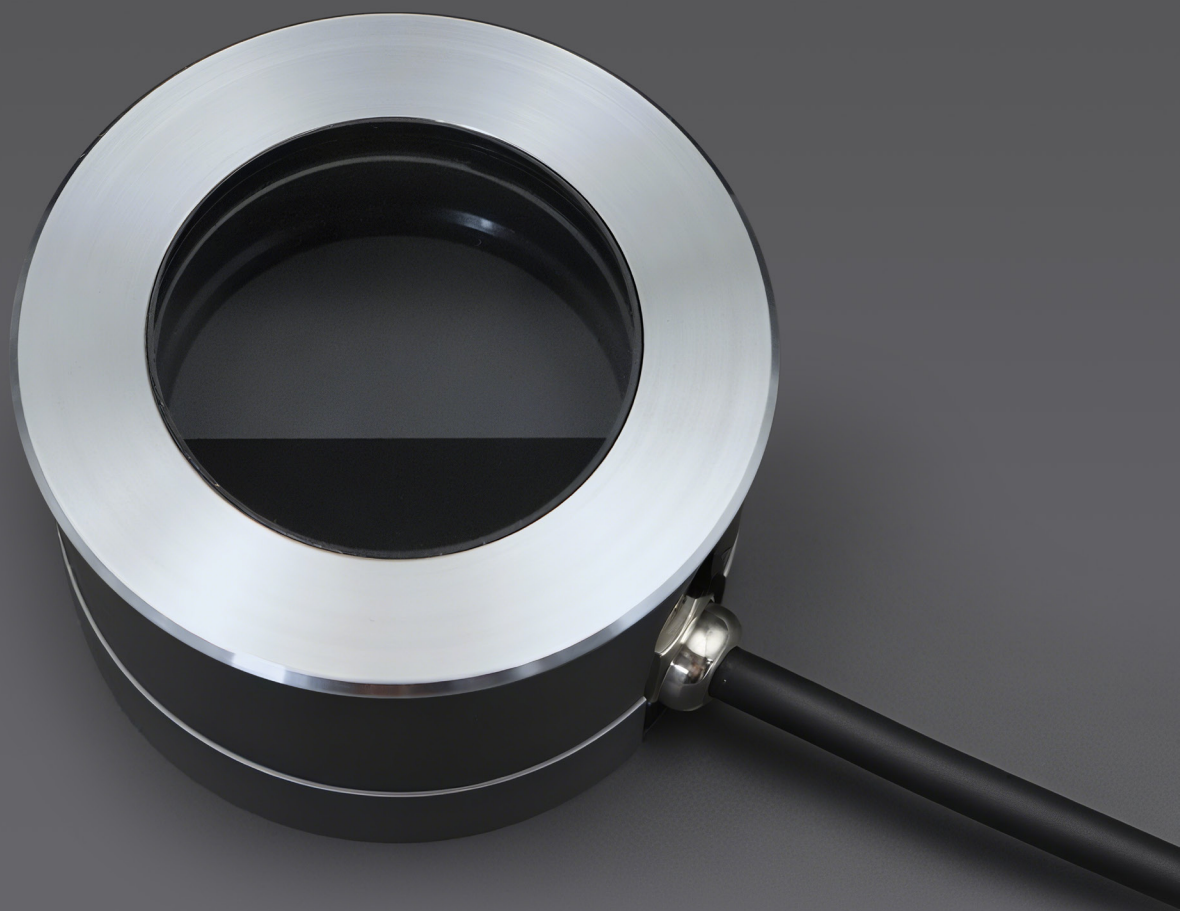
Ultra-Thin Reflector version with Anti-glare Louver



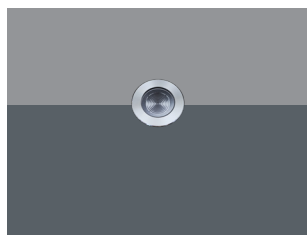
Ultra-Thin Reflector version with Anti-glare Louver



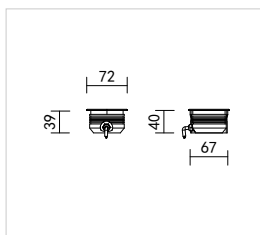
Ultra-Thin Reflector version wall washer



Ultra-thin Reflector version



Weight: 0.41KG
Power: DC24V
Color temperature: Monochrome/RGB/RGBW
Driver: Seperate 24V dimmable driver



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM69-CP3WA3Q5-BS	3	6080	3.2	5.7	168	20
DM69-CP3WA3Q6-SS	3	8240	3.5	6.4	175	58
DM69-CF3WA4Q7-LV	3	10288	3.7	7.5	175	127
DM69-CF4WA8Q16-LV	4	3541	8	16	232	91
DM69-CF6WA13Q24-LV	6	2899	13	25	453	202
DM69-CF6WA20Q36-LV	6	2363	20	36	480	317
DM69-CF6WA32Q48-LV	6	1193	32	48	456	321
DM69-CF6WA49Q68-LV	6	540	49	68	717	308
DM69-CF6WA1040-LV	6	1459	10°40		445	223
DM69-CF6WA1060-LV	6	916	10°60		486	243
DM69-CF6WA1460-LV	6	625	14°60		522	261
DM69-CF6WA2063-LV	6	471	20°63		498	249

Anti-glare accessories

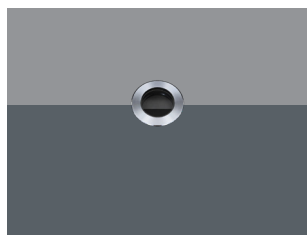


BS

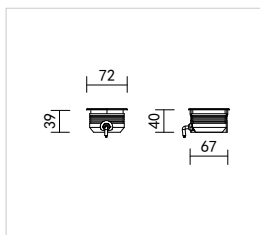
SS

LV

Ultra-thin Reflector wall washer



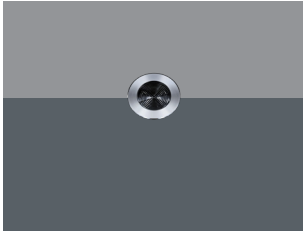
Weight: 0.41KG
Power: DC24V
Color temperature: Monochrome/RGB/RGBW
Driver: Seperate 24V dimmable driver



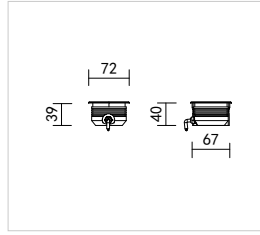
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM69-CF6WP15W	6	291	44°72°P15	88°140°P15	294	294

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Ultra-thin Lens version



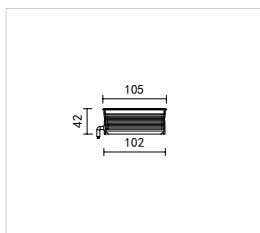
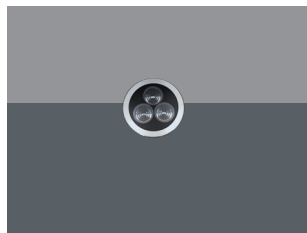
Weight: 0.41KG
Power: DC24V
Color temperature: Monochrome/RGBW
Driver: Seperate 24V dimmable driver



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM69-C6WA10-LV	6	3577	9	21	574	157
DM69-C6WA15-LV	6	1881	18	34	562	226
DM69-C6WA24-LV	6	1071	22	41	562	186
DM69-C6WA36-LV	6	769	39	64	562	344
DM69-C6WA50-LV	6	486	51	81	543	344
DM69-C6WA10-LV-RGBW	6	2325	9	21	373	102
DM69-C6WA15-LV-RGBW	6	1223	18	34	365	147
DM69-C6WA24-LV-RGBW	6	696	22	41	365	121
DM69-C6WA36-LV-RGBW	6	500	39	64	365	224
DM69-C6WA50-LV-RGBW	6	316	51	81	353	224
DM69-C6WA08-P05	6	3240	9	21	594	203
DM69-C6WA10-P05	6	2787	13	28	594	206
DM69-C6WA15-P05	6	2359	19	35	582	285
DM69-C6WA24-P05	6	1038	30	47	585	278
DM69-C6WA36-P05	6	688	39°37	54°53	581	235
DM69-C6WA50-P05	6	383	46°48	64°61	543	190
DM69-C6WA10-P05-RGBW	6	325	13	28	237	145
DM69-C6WA15-P05-RGBW	6	205	19	35	229	145
DM69-C6WA24-P05-RGBW	6	2106	30	47	386	132
DM69-C6WA36-P05-RGBW	6	1812	39°37	54°53	386	134
DM69-C6WA50-P05-RGBW	6	1533	46°48	64°61	378	185
DM69-C6WA10-P15	6	2583	12	24	594	172
DM69-C6WA15-P15	6	1895	19	33	582	249
DM69-C6WA24-P15	6	1132	28	46	585	256
DM69-C6WA36-P15	6	792	38°31	53°52	581	228
DM69-C6WA50-P15	6	492	50°30	65°60	543	186
DM69-C6WA10-P15-RGBW	6	1679	12	24	386	112
DM69-C6WA15-P15-RGBW	6	1232	19	33	378	162
DM69-C6WA24-P15-RGBW	6	736	28	46	380	167
DM69-C6WA36-P15-RGBW	6	515	38°31	53°52	378	148
DM69-C6WA50-P15-RGBW	6	320	50°30	65°60	353	121

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Ultra-thin Reflector version



Weight: 0.6KG
Power: DC24V
Color temperature: Monochrome/RGB/RGBW
Driver: Seperate 24V dimmable driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM103-CP9WA3Q5-BS	9	25687	3.2	5.7	504	77
DM103-CF9WA3Q6-BS	9	40898	3.5	6.4	504	149
DM103-CF12WA8Q16-LV	12	10625	8	16	695	273
DM103-CF12WA13Q24-LV	12	5787	13	25	904	403
DM103-CF12WA20Q36-LV	12	4726	20	36	954	636
DM103-CF12WA32Q48-LV	12	2386	32	48	933	643
DM103-CF12WA49Q68-LV	12	1080	49	68	1434	616
DM103-CF12WA1040-LV	12	2918	10°40		890	445
DM103-CF12WA1060-LV	12	1832	10°60		972	486
DM103-CF12WA1460-LV	12	1250	14°60		1044	522
DM103-CF12WA2063-LV	12	942	20°63		996	498

Anti-glare accessories

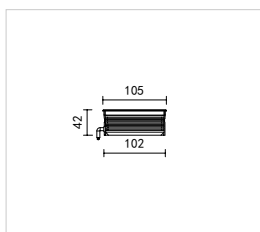
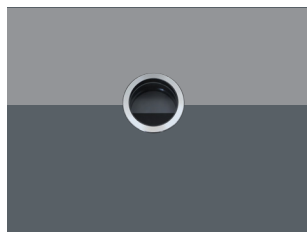


BS

SS

LV

Ultra-thin Reflector wall washer

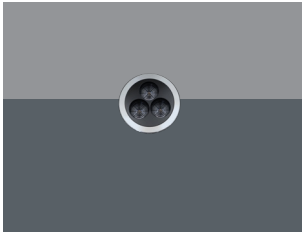


Weight: 0.6KG
Power: DC24V
Color temperature: Monochrome/RGB/RGBW
Driver: Seperate 24V dimmable driver

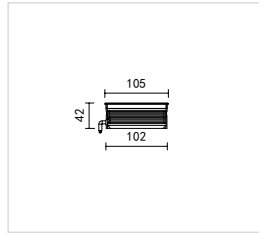
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM103-CF12WP15W	12	582	44°72:P15	88°140:P15	587	587

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Ultra-thin Lens version



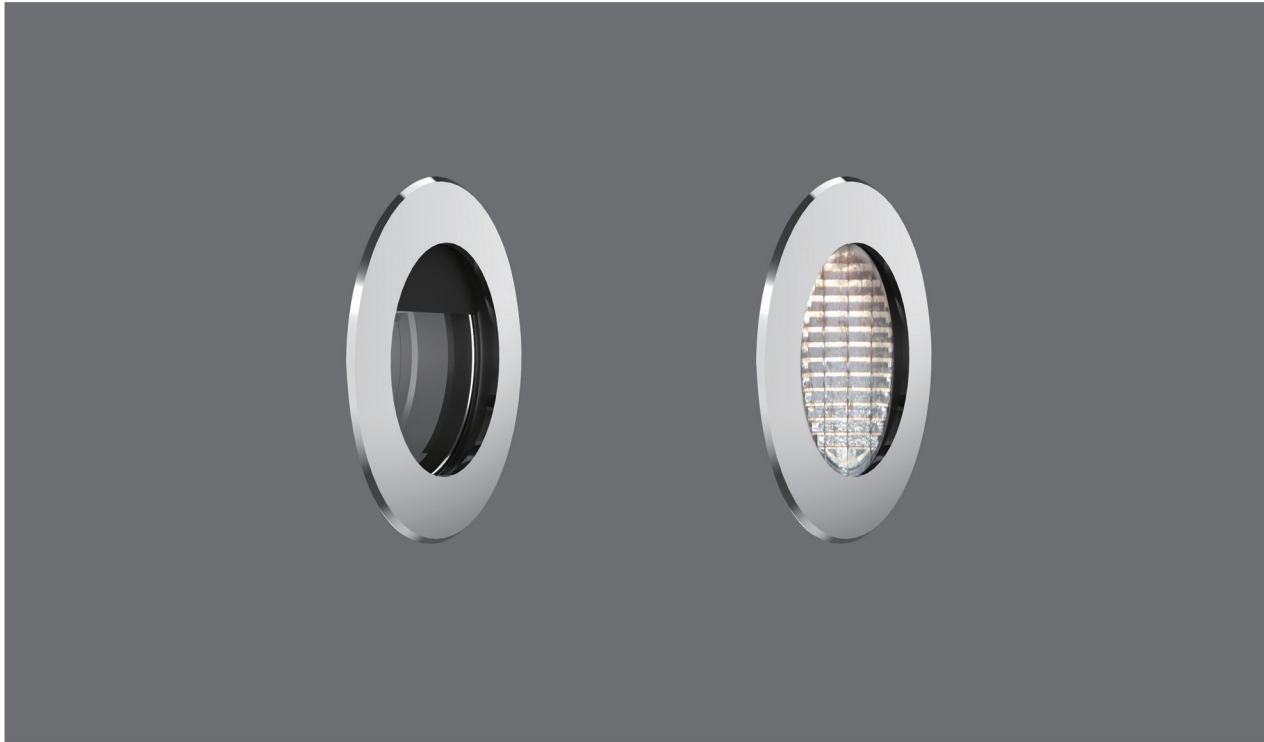
Weight: 0.6KG
Power: DC24V
Color temperature: Monochrome/RGBW
Driver: Seperate 24V dimmable driver



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM103-C12WA10-LV	12	7155	9	20	1148	314
DM103-C12WA15-LV	12	3762	18	34	1124	452
DM103-C12WA24-LV	12	2142	22	40	1125	372
DM103-C12WA36-LV	12	1539	39	64	1124	688
DM103-C12WA50-LV	12	972	51	81	1086	700
DM103-C12WA0520-LV	12	7288	5°20		923	360
DM103-C12WA10-LV-RGBW	12	4650	9	20	746	204
DM103-C12WA15-LV-RGBW	12	2445	18	34	730	293
DM103-C12WA24-LV-RGBW	12	1392	22	40	731	241
DM103-C12WA36-LV-RGBW	12	1000	39	64	731	447
DM103-C12WA50-LV-RGBW	12	631	51	81	705	455
DM103-C12WA08-P05	12	6480	9	20.5	1130	406
DM103-C12WA10-P05	12	5574	13	28	1188	412
DM103-C12WA15-P05	12	4718	19	35	1164	570
DM103-C12WA24-P05	12	2076	30	47	1170	556
DM103-C12WA36-P05	12	1376	39°37	54°53	1162	470
DM103-C12WA50-P05	12	766	46°48	64°61	1086	380
DM103-C12WA08-P05-RGBW	12	4212	9	20.5	735	264
DM103-C12WA10-P05-RGBW	12	3623	13	28	772	268
DM103-C12WA15-P05-RGBW	12	3067	19	35	757	371
DM103-C12WA24-P05-RGBW	12	1349	30	47	761	361
DM103-C12WA36-P05-RGBW	12	894	39°37	54°53	755	306
DM103-C12WA50-P05-RGBW	12	498	46°48	64°61	706	247
DM103-C12WA10-P15	12	5166	12	24	1188	345
DM103-C12WA15-P15	12	3790	19	33	1164	498
DM103-C12WA24-P15	12	2264	28	46	1170	512
DM103-C12WA36-P15	12	1584	38°31	53°52	1162	457
DM103-C12WA50-P15	12	984	50°30	65°60	1086	372
DM103-C12WA10-P15-RGBW	12	3357	12	24	772	223
DM103-C12WA15-P15-RGBW	12	2463	19	33	756	323
DM103-C12WA24-P15-RGBW	12	1471	28	46	760	333
DM103-C12WA36-P15-RGBW	12	1029	38°31	53°52	755	296
DM103-C12WA50-P15-RGBW	12	639	50°30	65°60	705	241

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Anti Glare Recessed Step Light

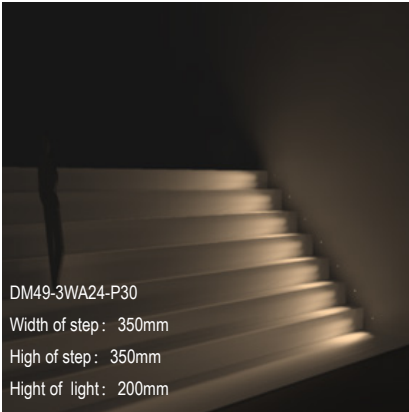
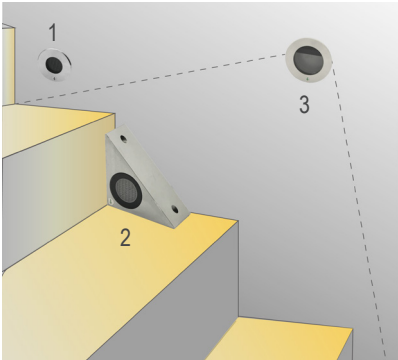


Specification

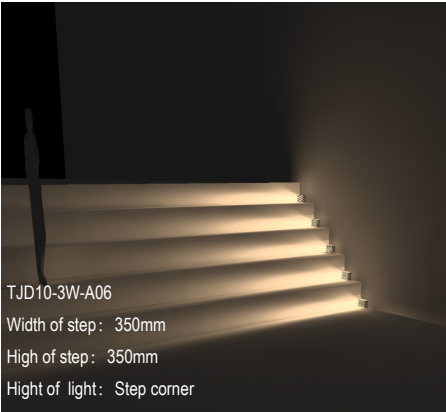
304stainless steel ring,6061aluminum housing;
CNC technology,6mmtempered glass;
Anodized surface;
MacAdam < 3LED;
Protection:IP67/IK07;
Static weight: 2000KG;
Standard driver: built-in constant current;
Surface temperature: < 50°;
Working temperature: -20°C~50°C.



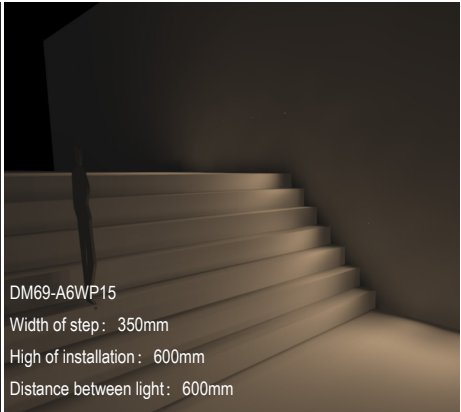
Different light effect on step



1

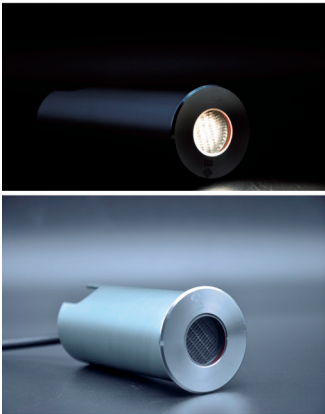


2

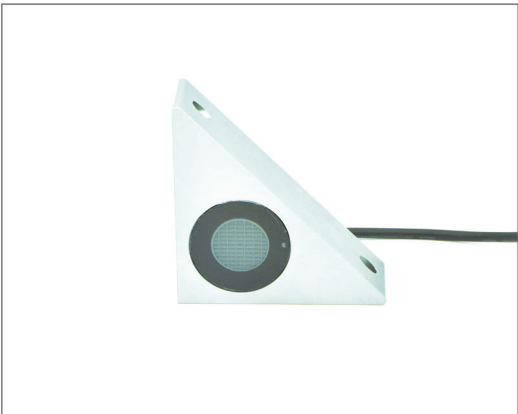


3

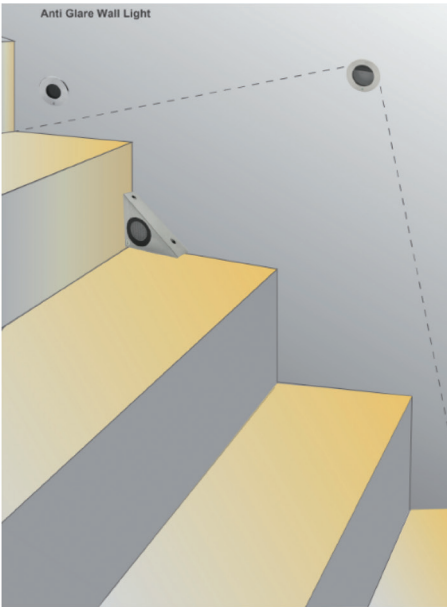
Different installation



Anti-glare lighting

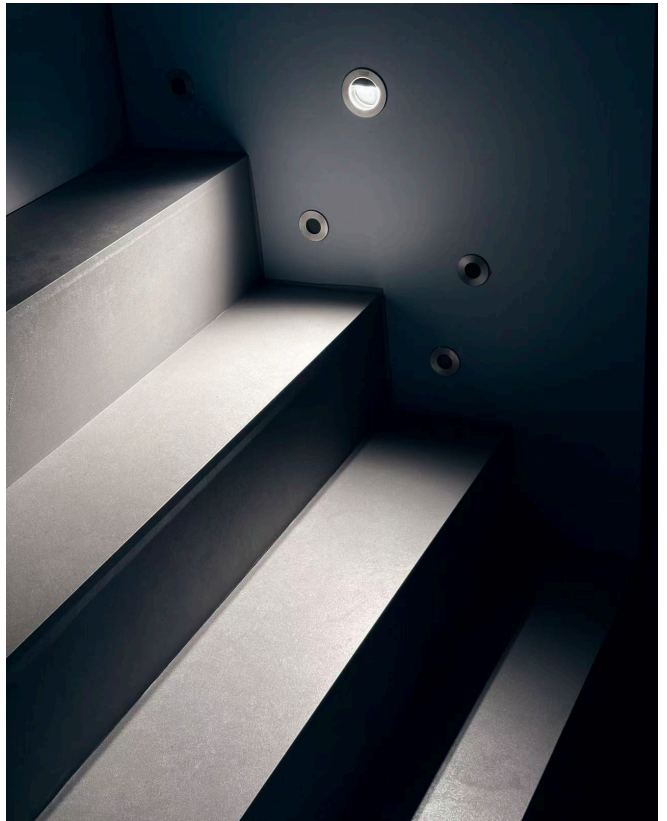


Casing for step installation

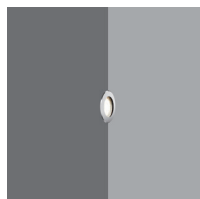


Installation effect

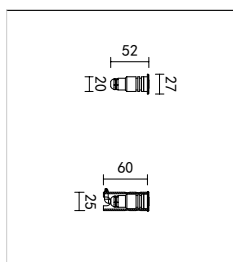
Diffrent installation:
Wall installation;
Casing installation on the step;



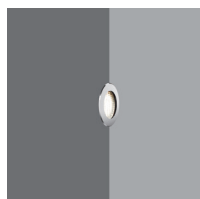
Recessed Step Light



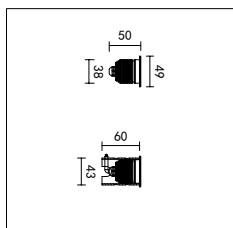
Weight: 0.08KG
Power: DC24V
Color temperature: Monochrome
Driver: Seperate 24V dimmable driver



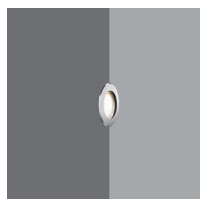
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM25-1WA24-P30	1	156	22°19:P30	41°37:P30	86	24



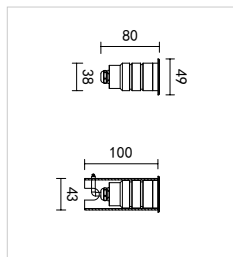
Weight: 0.2KG
Power: DC24V
Color temperature: Monochrome
Driver: Seperate 24V dimmable driver



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM49-A2WA24-P30	2	308	22°19:P30	41°37:P30	181	47



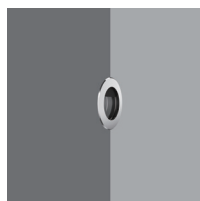
Weight: 0.27KG
Power: DC24V
Color temperature: Monochrome
Driver: Seperate 24V dimmable driver



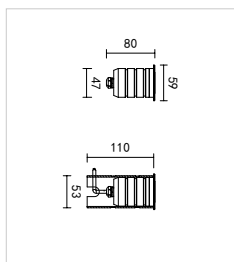
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
DM49-3WA24-P30	3	462	22°19:P30	41°37:P30	271	71
DM49-3WA48-P30	3	169	23°21:P30	45°29:P30	271	30

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Recessed Step Light



Weight: 0.5KG
Power: DC24V
Color temperature: Monochrome
Driver: Build-in on/off driver



CODE

DM59-F4WP15W

WATT
(W)

4

Intensity
(cd)

195

FWHM
(°)

44°72°P15

FA
(°)

88°140°P15

Without
LOUVER
(lm)

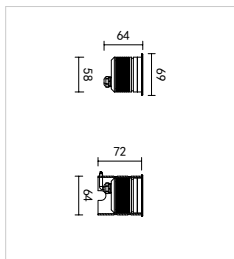
196

With
LOUVER
(lm)

196



Weight: 0.41KG
Power: DC24V
Color temperature: Monochrome
Driver: Build-in on/off driver



CODE

DM69-AF6WP15W

WATT
(W)

6

Intensity
(cd)

291

FWHM
(°)

44°72°P15

FA
(°)

88°140°P15

Without
LOUVER
(lm)

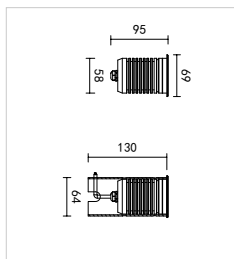
294

With
LOUVER
(lm)

294



Weight: 0.55KG
Power: DC24V
Color temperature: Monochrome
Driver: Build-in on/off - dimmable DALI/0-10V driver



CODE

DM69-F8WP15W

WATT
(W)

8

Intensity
(cd)

388

FWHM
(°)

44°72°P15

FA
(°)

88°140°P15

Without
LOUVER
(lm)

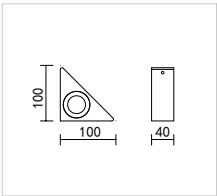
392

With
LOUVER
(lm)

392

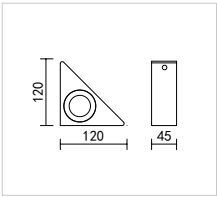
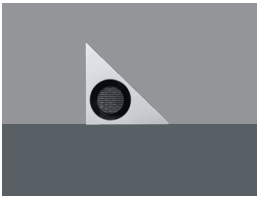
Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Triangular Step Light



Weight: 0.49KG
Power: DC24V
Color temperature: Monochrome
Driver: Seperate 24V dimmable driver

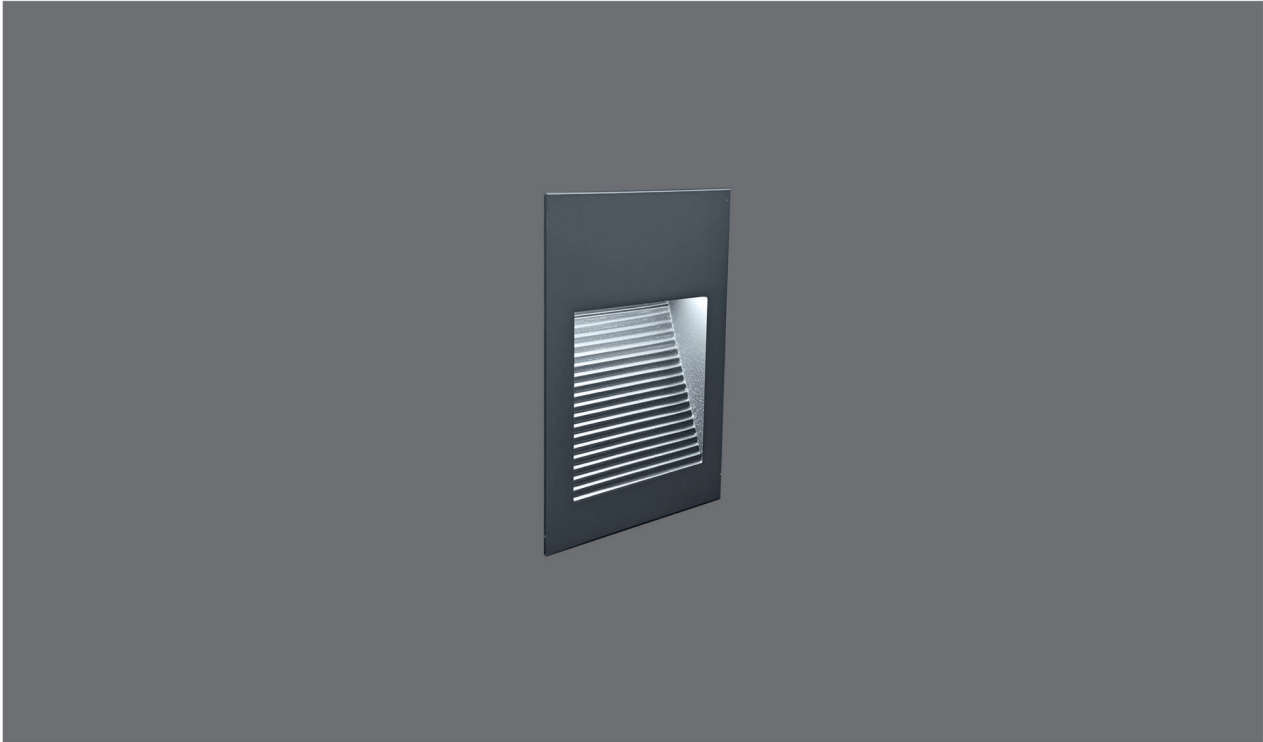
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
TJD10-3W-A06	3	594.1	12°12:P3	26°24:P3	270	39.5



Weight: 0.8KG
Power: DC24V
Color temperature: Monochrome
Driver: Seperate 24V dimmable driver

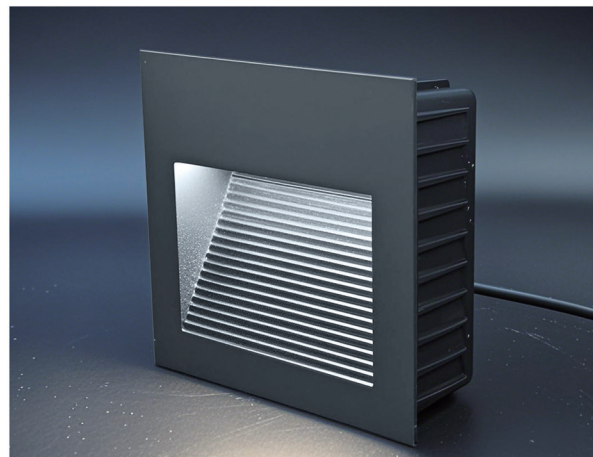
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
TJD12-6W-A06	6	1188	12°12:P3	26°24:P3	545	78.9

Square Anti Glare Recessed Step Light

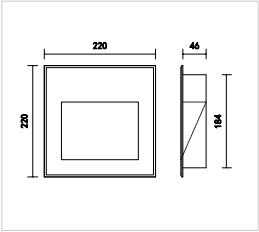
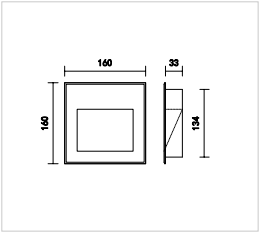


Specification

Die-cast aluminum lamp body;
 Anodized surface;
 MacAdam < 3LED;
 Protection: IP67/IK07;
 Static weight: 2000KG;
 Standard driver: built-in constant current;
 Surface temperature: < 50°;
 Working temperature: -20°C~50°C.



Square Step Light



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SR160-F6WP15W	6	291	44°72:P15	88°140:P15	294	294
SR220-F12WP15W	12	582	44°72:P15	88°140:P15	587	587

THINKgis

FLOODLIGHT

Anti-glare reflector optics design

Anti-glare lens optics design

Reflector wall washer design

Lens wall washer design



Different Anti-glare optics design



Large solid Anti-glare Louver



Small solid Anti-glare Louver



Reflector+Anti-glare Louver



Lens + Anti-glare Louver



Anti-glare Grille tilt 15°



Reflector Wall washer

Different Anti-glare design for different optics



BS(1-3°)
Big solid Anti-glare Louver



SS(4-6°)
Small solid Anti-glare Louver



A8(8-12°)-LV
Anti-glare Louver



A15(13-17°)-LV
Anti-glare Louver



A24(19-24°)-LV
Anti-glare Louver



A36(30-38°)-LV
Anti-glare Louver



A50(45-66°)-LV
Anti-glare Louver



P05(Tilt5°)-LV
Anti-glare Louver



P15(Tilt15°)-LV
Anti-glare Louver



P15W



P15H

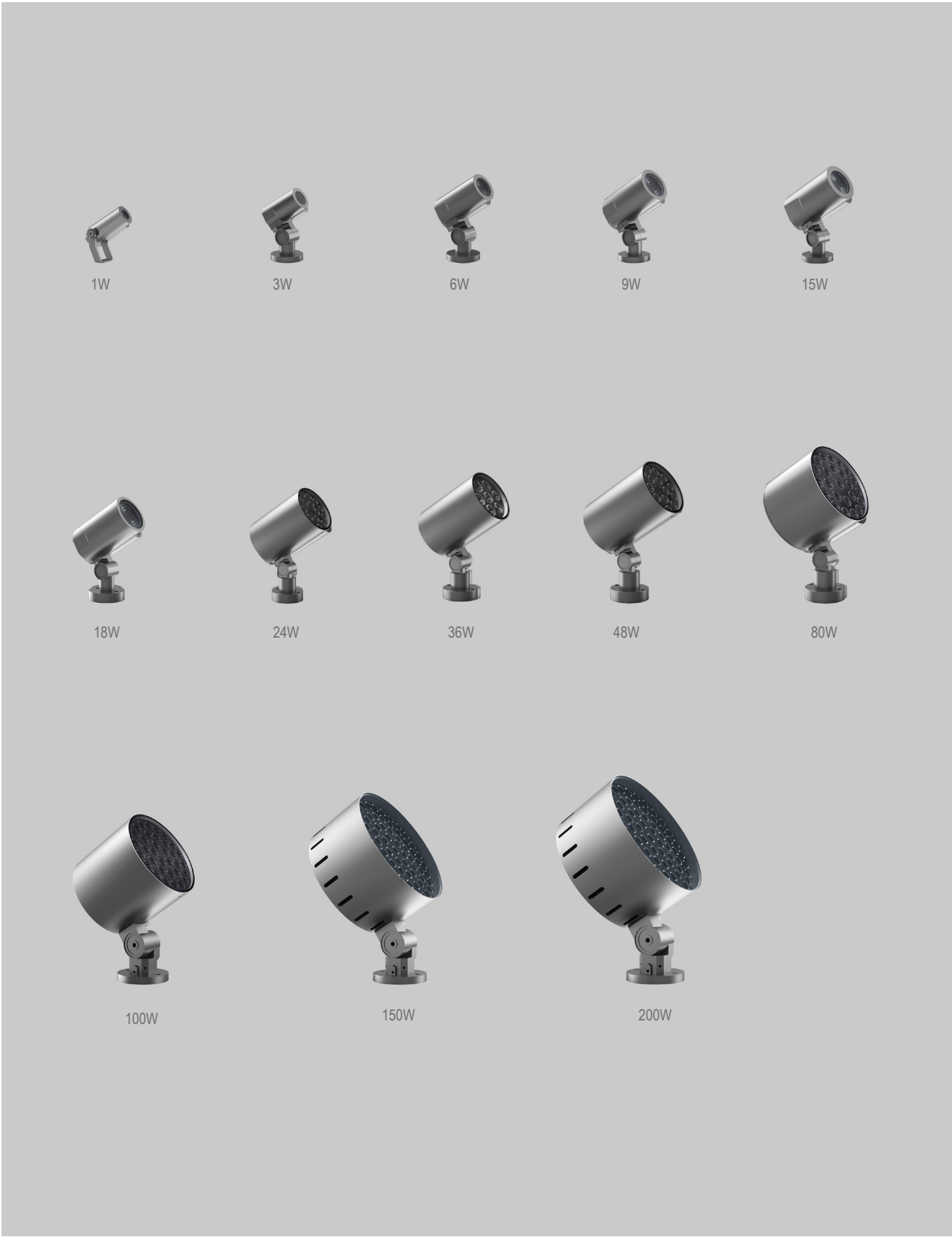


P15HW





Overview



Outdoor Floodlights



Specification

Luminaire body material: 6061 aluminum (processed by CNC technology),Stainless steel (U-shaped bracket);
 Die-cast aluminum (base-mounted type). All brackets are equipped with a graduated scale and mechanical aiming lock.
 Anti-glare louvers designed for different optics;
 Surface color of the luminaire: Matte gray
 IP rating: IP66;
 IK rating: IK07;
 Insulation class: Class I;
 Surface temperature: < 55°;
 Working temperature: -20°C~50°C;
 Symmetrical light: 1°, 3°, 5°, 10°, 15°, 24°, 36°, 60°;
 Asymmetrical light: A4°, A6°, A8°, A15°, A20°, A45°, A70°;
 Multiple elliptical lenses are available, including 1×60°, 1×40°, 1×15°, 10×60°, 10×40°, and 15×60°.

Size



Anti-glare optics design



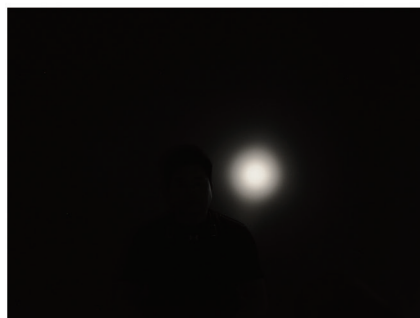
Extreme narrow beam & anti-glare louvre



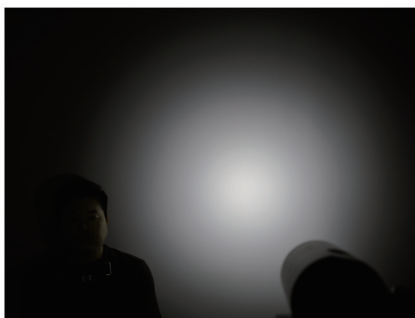
Reflector&,anti-glare louvre



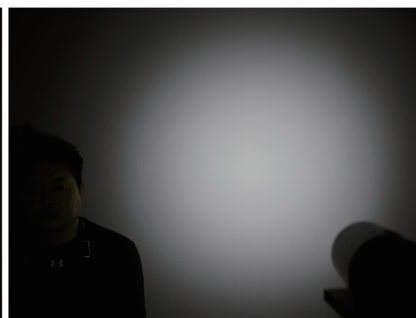
Lens anti-glare louvre



Test result of extreme narrow beam & anti-glare louvre



Test result of reflector& anti-glare louvre



Test result of lens anti-glare louvre



Real application of reflector & anti-glare louvre



Anti-glare louvre effect

Optics

Multiple beam angle are available, which can meet the application requirements of different spaces.

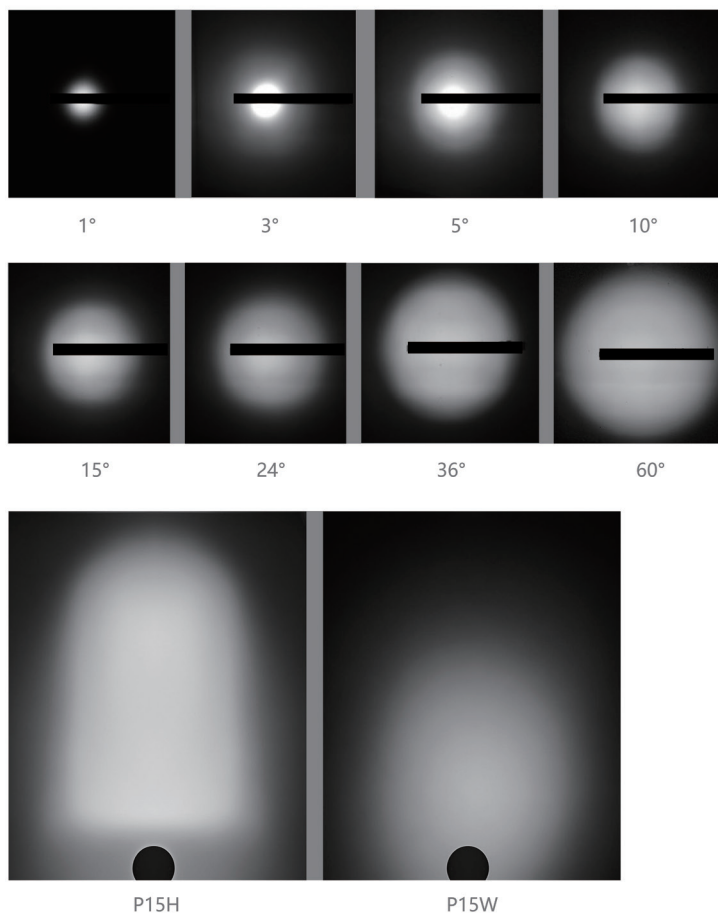
The beam angles are:

Symmetrical light: 1°, 3°, 5°, 10°, 15°, 24°, 36°, 60°, P15H, P15W;

Asymmetrical light:

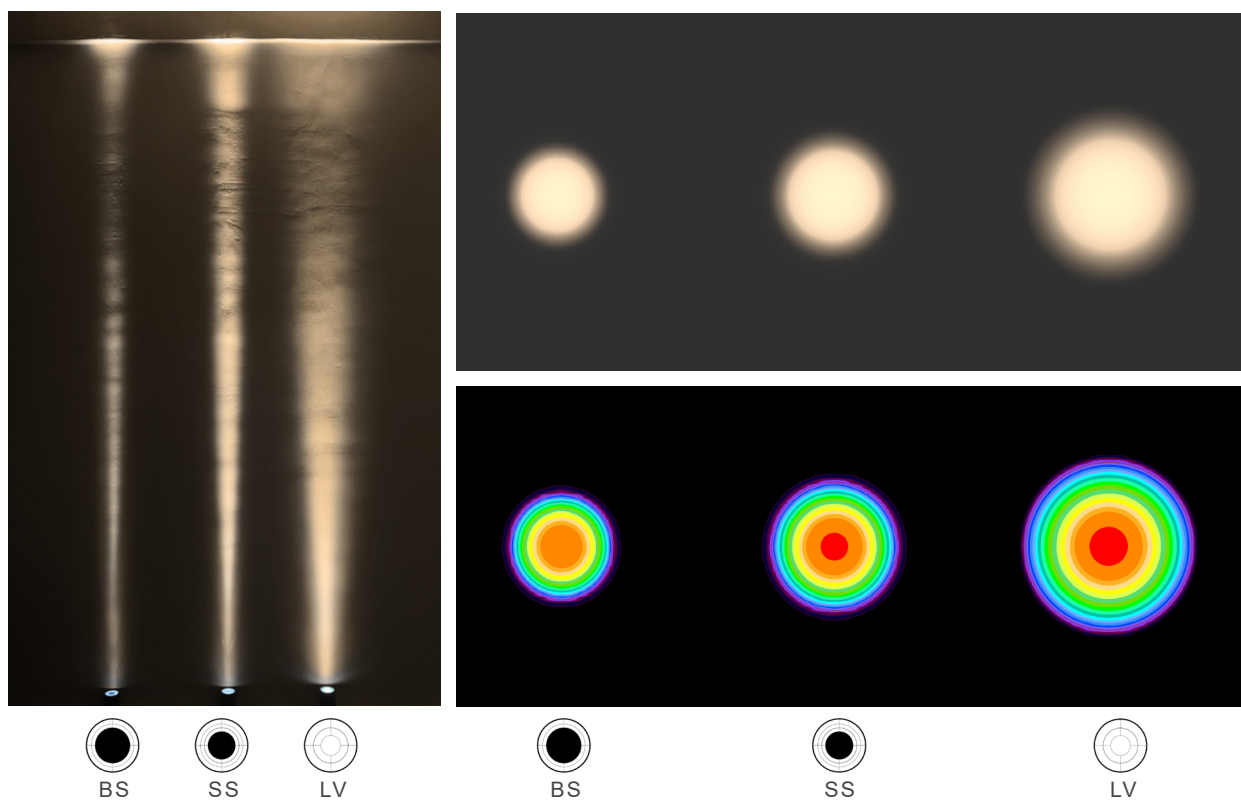
A4°, A6°, A8°, A15°, A20°

、A45°, A70°;

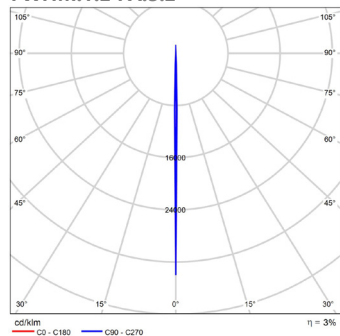


The Anti-Glare accessories

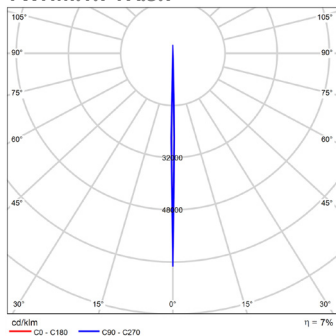
The effect of the same beam angle reflector with different Anti-Glare louvers



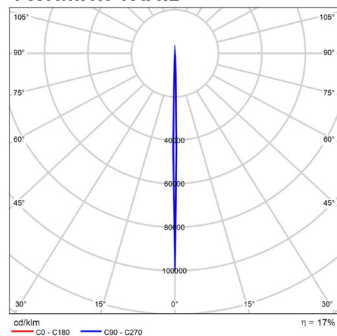
FWHM:1.2 FA:3.2



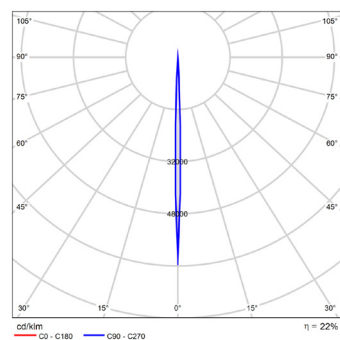
FWHM:1.7 FA:3.7



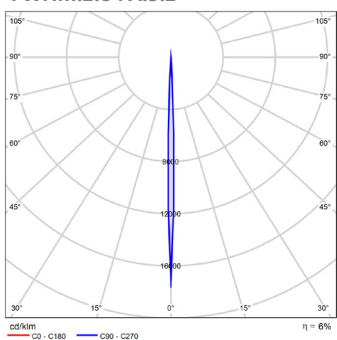
FWHM:1.7 FA:4.2



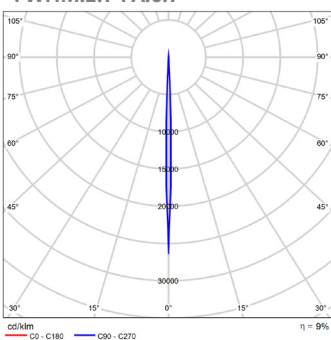
FWHM:2.4 FA:6.4



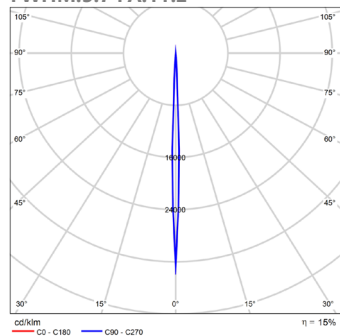
FWHM:2.8 FA:5.2



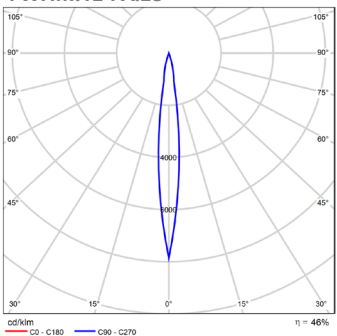
FWHM:2.7 FA:6.7



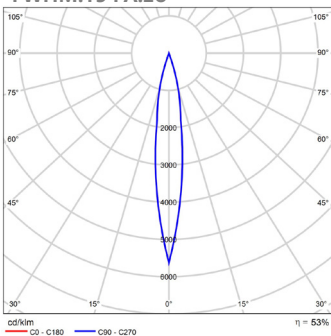
FWHM:3.7 FA:11.2



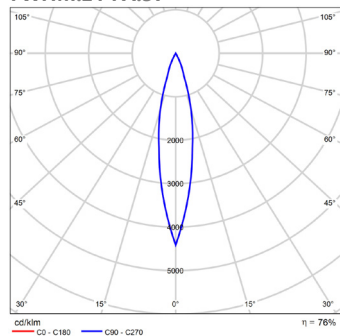
FWHM:12 FA:25



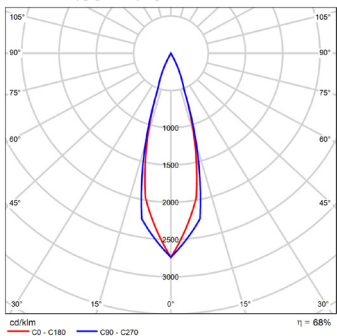
FWHM:15 FA:28



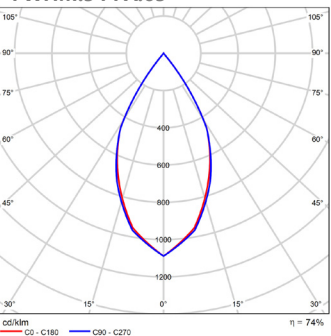
FWHM:21 FA:37



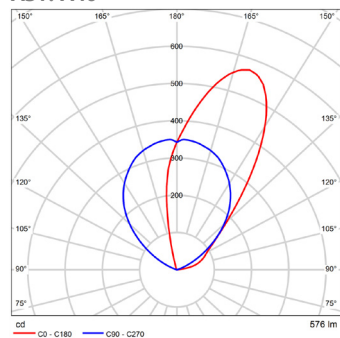
FWHM:33 FA:49



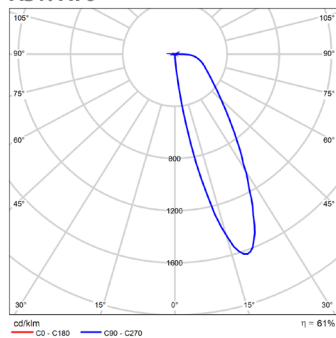
FWHM:54 FA:65



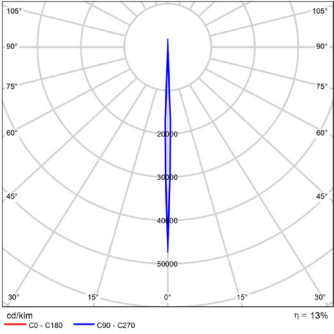
ASY: A40



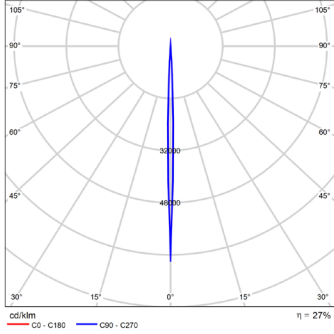
ASY: A70



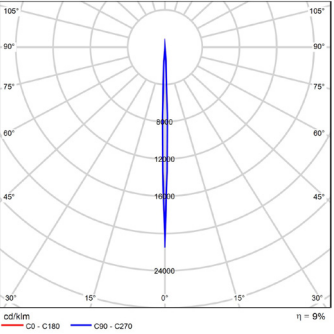
FWHM:3.4 FA:6.2



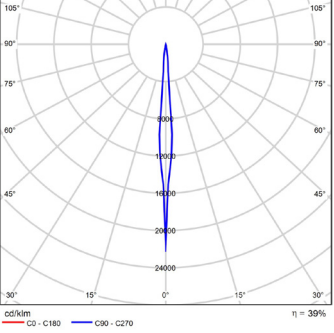
FWHM:3.7 FA:7.7



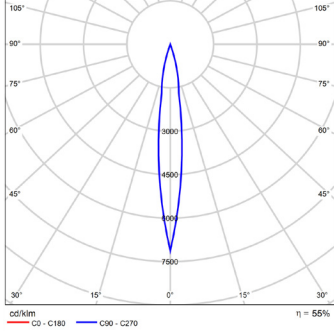
FWHM:3.7 FA:7.7



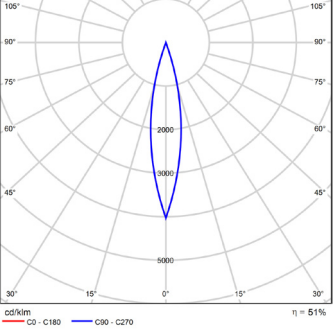
FWHM: 7 FA:13



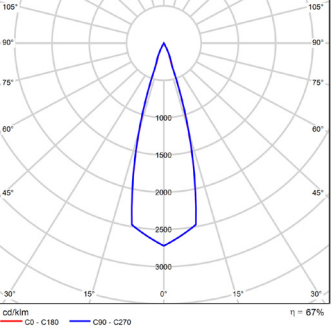
FWHM:13 FA:24



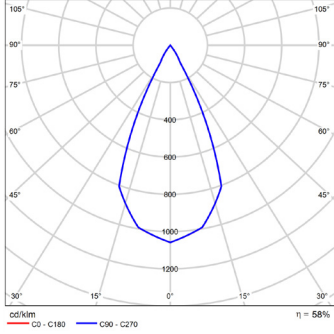
FWHM:20 FA:36



FWHM:30 FA:45



FWHM:50 FA:60



Elliptical Optics

Elliptical light:

Elliptical lens 2.7°+0160

Elliptical lens 2.7°+0140

Elliptical lens 2.7°+0115

Elliptical lens 2.7°+1060

Elliptical lens 2.7°+1040

Elliptical lens 2.7°+1560



2.7°+0160

2.7°+0140

2.7°+0115



2.7°+1040

2.7°+1060

2.7°+1560

Elliptical light:

Elliptical lens 15°+0160

Elliptical lens 15°+0140

Elliptical lens 15°+0115

Elliptical lens 15°+1060

Elliptical lens 15°+1040

Elliptical lens 15°+1560



15°+0160

15°+0140

15°+0115



15°+1040

15°+1060

15°+1560

Elliptical light:

Elliptical lens 60°+0160

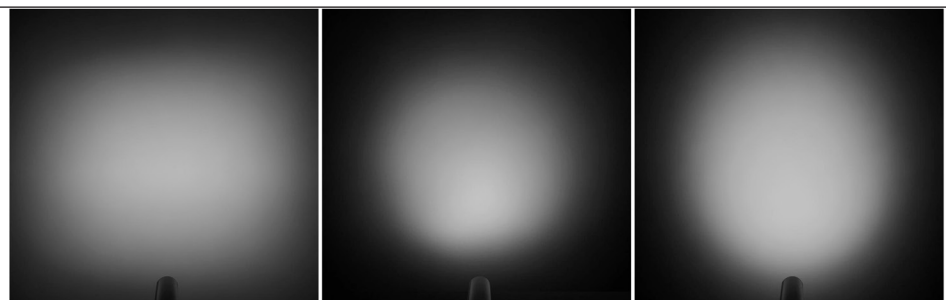
Elliptical lens 60°+0140

Elliptical lens 60°+0115

Elliptical lens 60°+1060

Elliptical lens 60°+1040

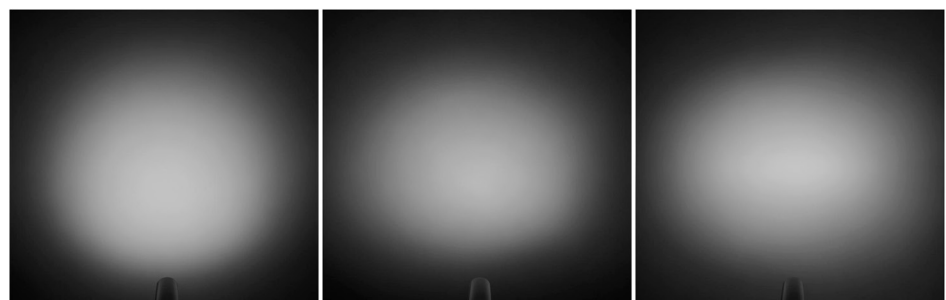
Elliptical lens 60°+1560



60°+0160

60°+0140

60°+0115



60°+1040

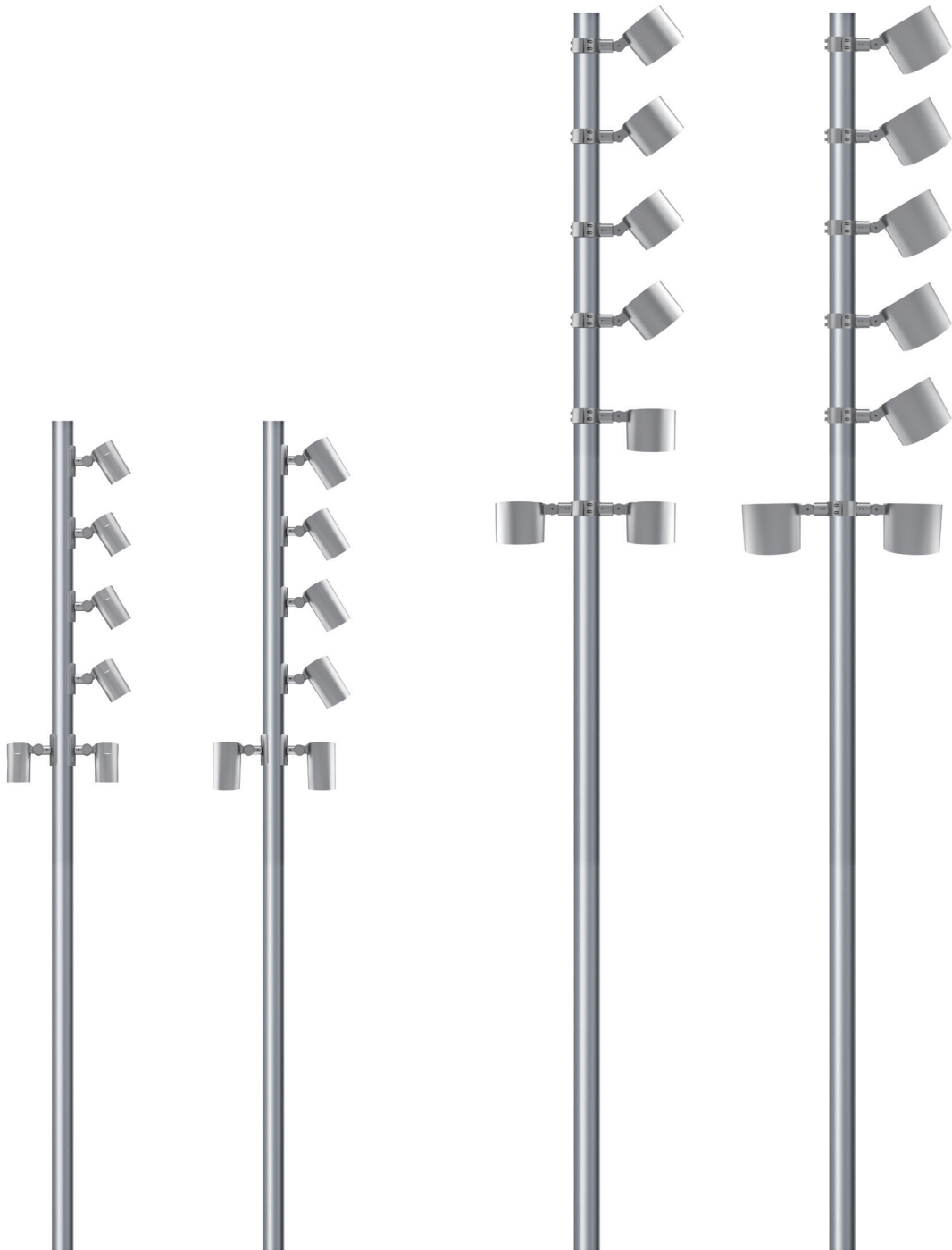
60°+1060

60°+1560

Elliptical Optics

Original angle	Elliptical lens 0160		Elliptical lens 0140		Elliptical lens 0115		Elliptical lens 1060		Elliptical lens 1560	
FWHM	FWHM: 0~180°	FWHM: 90~270°	FWHM: 0~180°	FWHM: 90~270°	FWHM: 0~180°	FWHM: 90~270°	FWHM: 0~180°	FWHM: 90~270°	FWHM: 0~180°	FWHM: 90~270°
1.2	1.6	60.0	1.6	40.0	1.6	15.0	10.1	60.0	15.0	60.0
1.7	2.0	60.0	2.0	40.0	2.0	15.1	10.1	60.0	15.1	60.0
1.7	2.0	60.0	2.0	40.0	2.0	15.1	10.1	60.0	15.1	60.0
2.4	2.6	60.0	2.6	40.1	2.6	15.2	10.3	60.0	15.2	60.0
2.8	3.0	60.1	3.0	40.1	3.0	15.3	10.4	60.1	15.3	60.1
2.7	2.9	60.1	2.9	40.1	2.9	15.2	10.4	60.1	15.2	60.1
3.4	3.5	60.1	3.5	40.1	3.5	15.4	10.6	60.1	15.4	60.1
3.7	3.8	60.1	3.8	40.2	3.8	15.4	10.7	60.1	15.4	60.1
4.2	4.3	60.1	4.3	40.2	4.3	15.6	10.8	60.1	15.6	60.1
4.5	4.6	60.2	4.6	40.3	4.6	15.7	11.0	60.2	15.7	60.2
5	5	60	5	40	5	16	11	60	16	60
6	6	60	6	40	6	16	12	60	16	60
7	7	60	7	41	7	17	12	60	17	60
8	8	61	8	41	8	17	13	61	17	61
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10	10	61	10	41	10	18	14	61	18	61
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53	53	80	53	66	53	55	54	80	55	80
54	54	81	54	67	54	56	55	81	56	81
55	55	81	55	68	55	57	56	81	57	81
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59	59	84	59	71	59	61	60	84	61	84
60	60	85	60	72	60	62	61	85	62	85

Installation



Diameter: 76mm
Power: 18W
Accessory: Arc-shaped plate

Diameter: 76mm
Power: 24W
Accessory: Arc-shaped plate

Diameter: 114mm
Power: 60W
Accessory: Hoop

Diameter: 114mm
Power: 100W
Accessory: Hoop

Installation accessories



Arc-shaped plate

Hoop

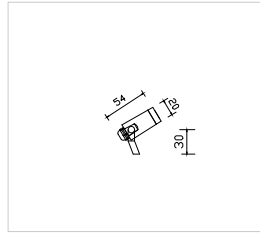
Spike for ground

45°cylindrical screen

U-bracket

Disk U-shaped bracket

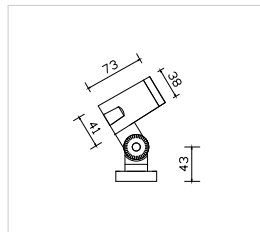
Lens version



Weight: 0.08KG
Power: DC24V
Color temperature: Monochrome

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP22-1WA15-LV	1.2	395	15	27	70	46
SP22-1WA27-LV	1.2	149	27	40	70	40
SP22-1WA42-LV	1.2	54	42	68	67	32
SP22-1WA58-LV	1.2	22	58	102	65	24
SP22-1WA2034-LV	1.2	85	20*34	36*71	65	24

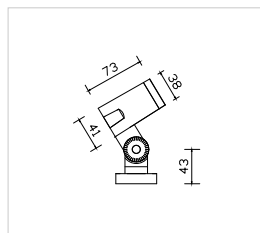
Reflector -Ultra narrow beam



Weight: 0.26KG
Power: DC24V
Color temperature: Monochrome
Driver: Build-in on/off driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP40-P3WA3Q7-BS	3	3285	3.2	7.1	155	16
SP40-P3WA4Q10-SS	3	4588	4.2	9.7	155	41.3

Lens version

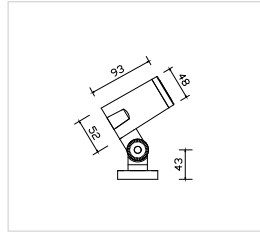


Weight: 0.26KG
Power: DC24V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP40-3WA10-LV	3	1788	9	20	287	78
SP40-3WA15-LV	3	940	18	34	281	113
SP40-3WA24-LV	3	535	22	40	281	93
SP40-3WA36-LV	3	384	39	64	281	172
SP40-3WA50-LV	3	243	51	81	271	175
SP40-3WA1040-LV	3	729	10*40		223	111
SP40-3WA1060-LV	3	458	10*60		243	122
SP40-3WA1460-LV	3	312	14*60		261	131
SP40-3WA2063-LV	3	235	20*63		249	125
SP40-3WA10-LV-RGBW	3	1162	9	20	186	50
SP40-3WA15-LV-RGBW	3	611	18	34	182	73
SP40-3WA24-LV-RGBW	3	347	22	40	182	60
SP40-3WA36-LV-RGBW	3	249	39	64	182	111
SP40-3WA50-LV-RGBW	3	157	51	81	176	113

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

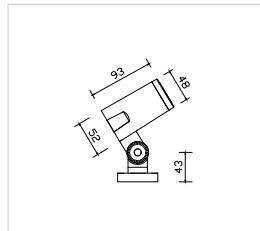
Reflector -Ultra narrow beam



Weight: 0.46KG
Power: DC24V
Color temperature: Monochrome
Driver: Build-in on/off driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-P3WA3Q5-BS	3	6080	3.2	5.7	168	20
SP50-P3WA3Q6-SS	3	8240	3.5	6.4	168	35
SP50-P3WA4Q7-LV	3	10288	3.7	7.5	168	56

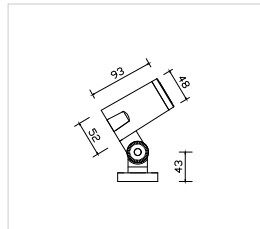
Reflector version



Weight: 0.46KG
Power: DC24V
Color temperature: Monochrome
Driver: Build-in on/off driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-F4WA8Q16-LV	4	3541	8	16	232	91
SP50-F6WA13Q24-LV	6	2899	13	25	453	202
SP50-F6WA20Q36-LV	6	2363	20	36	480	317
SP50-F6WA32Q48-LV	6	1193	32	48	456	321
SP50-F6WA49Q68-LV	6	540	49	68	717	308
SP50-F6WA1040-LV	6	1459	10*40		445	223
SP50-F6WA1060-LV	6	916	10*60		486	243
SP50-F6WA1460-LV	6	625	14*60		522	261
SP50-F6WA2063-LV	6	471	20*63		498	249

Lens version

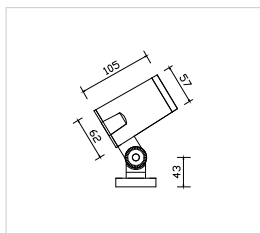


Weight: 0.46KG
Power: DC24V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-6WA10-LV	6	3577	9	20	574	157
SP50-6WA15-LV	6	1881	18	34	562	226
SP50-6WA24-LV	6	1071	22	40	563	186
SP50-6WA36-LV	6	770	39	64	562	344
SP50-6WA50-LV	6	486	51	81	543	350
SP50-6WA0520-LV	6	3644	5*20		462	180
SP50-6WA10-LV-RGBW	6	1223	9	20	373	102
SP50-6WA15-LV-RGBW	6	696	18	34	365	147
SP50-6WA24-LV-RGBW	6	500	22	40	366	121
SP50-6WA36-LV-RGBW	6	316	39	64	366	224
SP50-6WA50-LV-RGBW	6		51	81	353	228

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

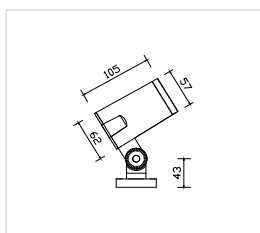
Reflector -Ultra narrow beam



Weight: 0.71KG
Power: DC24V
Color temperature: Monochrome
Driver: Build-in on/off driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP60-G6WA3Q5-BS	6	7948	3.3	5.4	321	25
SP60-G6WA4Q9-SS	6	9139	4.4	8.7	321	67

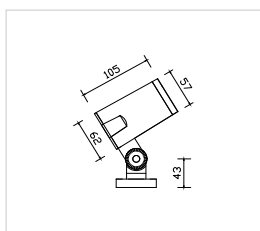
Reflector version



Weight: 0.71KG
Power: DC24V/AC220V (AC220V only for non-dimmable version)
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP60-F9WA11Q22-LV	9	5445	11	22	795	297
SP60-F9WA16Q29-LV	9	3997	16	29	762	374
SP60-F9WA23Q37-LV	9	2747	23	37	762	436
SP60-F9WA33Q46-LV	9	1815	33	46	711	532
SP60-F9WA49Q77-LV	9	842	49	77	813	544
SP60-F9WA1040-LV	9	2189	10°40		668	334
SP60-F9WA1060-LV	9	1374	10°60		729	365
SP60-F9WA1460-LV	9	937	14°60		783	392
SP60-F9WA2063-LV	9	706	20°63		747	374
SP60-F9WA11Q22-LV-RGBW	9	3539	11	22	517	193
SP60-F9WA16Q29-LV-RGBW	9	2598	16	29	495	243
SP60-F9WA23Q37-LV-RGBW	9	1786	23	37	495	283
SP60-F9WA33Q46-LV-RGBW	9	1180	33	46	462	346
SP60-F9WA49Q77-LV-RGBW	9	547	49	77	528	354

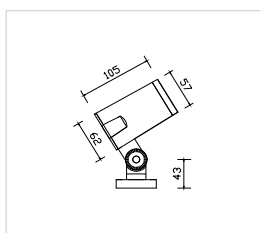
Reflector wall washer



Weight: 0.71KG
Power: DC24V/AC220V (AC220V only for non-dimmable version)
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP60-F8WP15W	8	719	44°72:P15	88°140:P15	616	616

Lens version

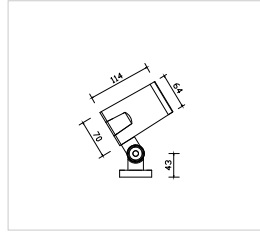


Weight: 0.71KG
Power: DC24V/AC220V (AC220V only for non-dimmable version)
Color temperature: Monochrome/RGBW
Driver: Build-in on/off, dimmable DALI/ DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP60-9WA10-LV	9	5548	9	20	890	243
SP60-9WA15-LV	9	2917	18	34	872	351
SP60-9WA24-LV	9	1661	22	40	871	289
SP60-9WA36-LV	9	1154	39	64	843	516
SP60-9WA50-LV	9	729	51	81	815	516
SP60-9WA0520-LV	9	5466	5°20		692	270
SP60-9WA10-LV-RGBW	9	3606	9	20	578	157
SP60-9WA15-LV-RGBW	9	1896	18	34	566	228
SP60-9WA24-LV-RGBW	9	1079	22	40	566	187
SP60-9WA36-LV-RGBW	9	750	39	64	547	335
SP60-9WA50-LV-RGBW	9	473	51	81	529	335

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

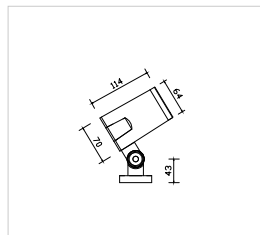
Reflector version



Weight: 0.82KG
 Power: DC24V/AC220V (AC220V only for non-dimmable version)
 Color temperature: Monochrome/RGBW
 Driver: Build-in on/off, dimmable DALI/ DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP75-F15WA13Q27-LV	15	8394	13	27	1350	604
SP75-F15WA22Q35-LV	15	5801	22	35	1350	857
SP75-F15WA34Q47-LV	15	3382	34	47	1350	1006
SP75-F15WA49Q77-LV	15	1475	49	77	1431	955
SP75-F15WA1040-LV	15	3647	10°40		1113	556
SP75-F15WA1060-LV	15	2290	10°60		1215	608
SP75-F15WA1460-LV	15	1562	14°60		1305	653
SP75-F15WA2063-LV	15	1177	20°63		1245	623
SP75-F15WA13Q27-LV-RGBW	15	5456	13	27	877	392
SP75-F15WA22Q35-LV-RGBW	15	3770	22	35	877	557
SP75-F15WA34Q47-LV-RGBW	15	2198	34	47	877	653
SP75-F15WA49Q77-LV-RGBW	15	958	49	77	930	620

Lens version

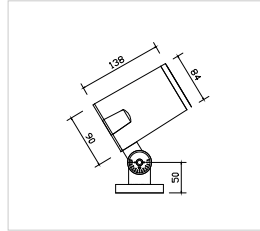


Weight: 0.82KG
 Power: DC24V/AC220V (AC220V only for non-dimmable version)
 Color temperature: Monochrome/RGBW
 Driver: Build-in on/off, dimmable DALI/ DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP75-15WA15-LV	15	4864	18	34	1455	585
SP75-15WA24-LV	15	2769	22	40	1455	481
SP75-15WA36-LV	15	1923	39	64	1455	861
SP75-15WA50-LV	15	1256	51	81	1455	904
SP75-15WA15-LV-RGBW	15	3161	18	34	945	380
SP75-15WA24-LV-RGBW	15	1799	22	40	945	312
SP75-15WA36-LV-RGBW	15	1249	39	64	945	559
SP75-15WA50-LV-RGBW	15	816	51	81	945	587

Light output value is based on 3000K ;
 The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
 to 10° , and the useful efficiency lost approximately 25%-30%.

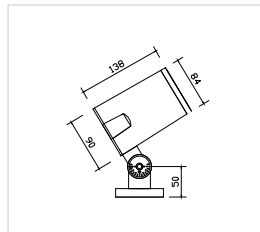
Reflector -Ultra narrow beam



Weight: 1.5KG
Power: DC24V/AC220V (AC220V only for non-dimmable version)
Color temperature: Monochrome
Driver: Build-in on/off、dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP95-P3WA1Q3-BS	3	12368	1.2	3.2	175	12
SP95-P3WA2Q6-SS	3	20079	2	5.6	175	58
SP95-P3WA3Q6-LV	3	30923	2.6	6.2	175	127
SP95-G5WA2Q7-LV	5	26240	2	7.1	242	123
SP95-H9WA3Q6-BS	9	12320	3.1	6	447	53
SP95-H9WA4Q7-SS	9	18349	3.5	7	427	90

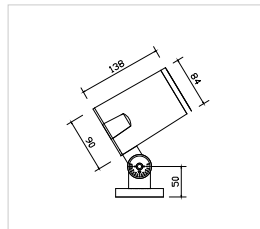
Reflector version



Weight: 1.5KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off、dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP95-F18WA12Q24-LV	18	12802	12	24	1646	726
SP95-F18WA17Q30-LV	18	9157	17	30	1602	869
SP95-F18WA20Q35-LV	18	8682	20	35	1569	1114
SP95-F18WA30Q46-LV	18	5149	30	46	1542	1300
SP95-F18WA48Q70-LV	18	1583	48	70	1481	921
SP95-F18WA1040-LV	18	4377	10*40		1335	668
SP95-F18WA1060-LV	18	2748	10*60		1458	729
SP95-F18WA1460-LV	18	1875	14*60		1566	783
SP95-F18WA2063-LV	18	1413	20*63		1494	747
SP95-F18WA12Q24-LV-RGBW	18	8321	12	24	1070	472
SP95-F18WA17Q30-LV-RGBW	18	5952	17	30	1041	565
SP95-F18WA20Q35-LV-RGBW	18	5643	20	35	1020	724
SP95-F18WA30Q46-LV-RGBW	18	3347	30	46	1003	845
SP95-F18WA48Q70-LV-RGBW	18	1029	48	70	963	599

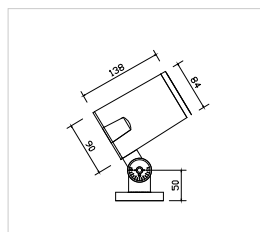
Reflector wall washer



Weight: 1.5KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off、dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP95-F12WP15W	12	1080	44*72:P15	88*140:P15	925	925
SP95-F12WP15H	12	2232	32*54:P15	45*90:P15	1080	1080
SP95-F12WP15HW	12	1453	30*63:P15	80*160:P15	852	852

Lens version

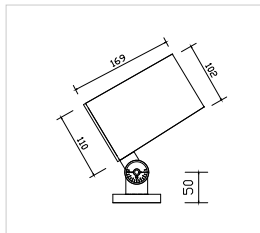


Weight: 1.5KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off、dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP95-18WA10-LV	18	10732	9	20	1722	470
SP95-18WA15-LV	18	5643	18	34	1687	678
SP95-18WA24-LV	18	3213	22	40	1687	558
SP95-18WA36-LV	18	2308	39	64	1687	1033
SP95-18WA50-LV	18	1458	51	81	1629	1049
SP95-18WA0520-LV	18	10932	5*20		1387	541
SP95-18WA10-LV-RGBW	18	6975	9	20	1119	305
SP95-18WA15-LV-RGBW	18	3667	18	34	1096	440
SP95-18WA24-LV-RGBW	18	2088	22	40	1096	362
SP95-18WA36-LV-RGBW	18	1500	39	64	1096	671
SP95-18WA50-LV-RGBW	18	947	51	81	1058	681

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

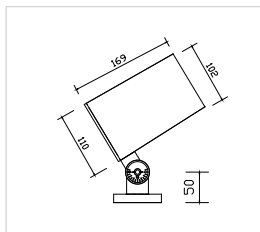
Reflector -Ultra narrow beam



Weight: 2.0KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-P12WA3Q5-BS	12	33677	3.1	5.3	672	101
SP100-P12WA3Q6-SS	12	54498	3.2	5.7	672	199
SP100-P12WA4Q7-LV	12	61434	3.4	7.1	672	311

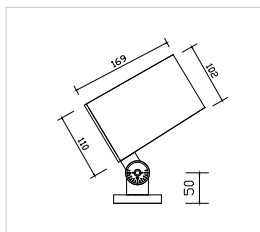
Reflector version



Weight: 2.0KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-F16WA8Q16-LV	16	14166	8	16	927	364
SP100-F24WA13Q24-LV	24	11574	13	25	1808	807
SP100-F24WA20Q36-LV	24	9506	20	36	1911	1277
SP100-F24WA32Q48-LV	24	4773	32	48	1866	1285
SP100-F24WA49Q68-LV	24	2160	49	68	2868	1233
SP100-F16WA8Q16-LV-RGBW	16	9208	8	16	603	237
SP100-F24WA13Q24-LV-RGBW	24	7523	13	25	1175	525
SP100-F24WA20Q36-LV-RGBW	24	6179	20	36	1242	830
SP100-F24WA32Q48-LV-RGBW	24	3102	32	48	1213	835
SP100-F24WA49Q68-LV-RGBW	24	1404	49	68	1864	801
SP100-F24WA1040-LV	24	5836	10*40		1780	890
SP100-F24WA1060-LV	24	3664	10*60		1944	972
SP100-F24WA1460-LV	24	2500	14*60		2088	1044
SP100-F24WA2063-LV	24	1884	20*63		1992	996

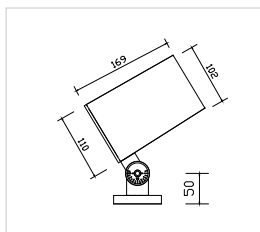
Reflector wall washer



Weight: 2.0KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-F16WP15W	16	1438	44*72:P15	88*140:P15	1231	1231
SP100-F24WP15H	24	4463	32*54:P15	45*90:P15	2161	2161
SP100-F24WP15HW	24	2906	30*63:P15	80*160:P15	1703	1703

Lens version

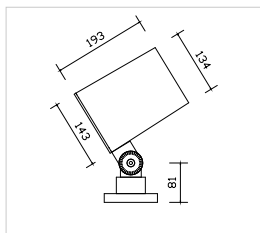


Weight: 2.0KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-24WA10-LV	24	14308	9	20	2296	628
SP100-24WA15-LV	24	7524	18	34	2248	904
SP100-24WA24-LV	24	4284	22	40	2250	745
SP100-24WA36-LV	24	3078	39	64	2249	1377
SP100-24WA50-LV	24	1944	51	81	2172	1398
SP100-24WA0520-LV	24	14575	5*20		1849	721
SP100-24WA10-LV-RGBW	24	9300	9	20	1492	408
SP100-24WA15-LV-RGBW	24	4890	18	34	1461	587
SP100-24WA24-LV-RGBW	24	2784	22	40	1462	484
SP100-24WA36-LV-RGBW	24	2000	39	64	1461	895
SP100-24WA50-LV-RGBW	24	1263	51	81	1411	908

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

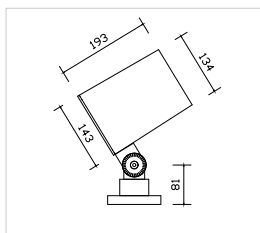
Reflector -Ultra narrow beam



Weight: 3.6KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off - dimmable DALI/DO-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP135-P21WA3Q5-BS	21	58934	3.1	5.3	1176	178
SP135-P21WA3Q6-SS	21	96800	3.2	5.7	1176	353
SP135-P21WA4Q7-LV	21	109120	3.4	7.1	1176	552

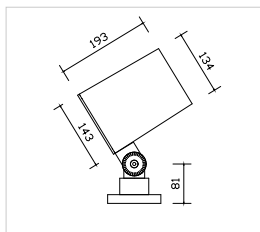
Reflector version



Weight: 3.6KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off - dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP135-F28WA8Q16-LV	28	24790	8	16	1623	638
SP135-F36WA13Q24-LV	36	17312	13	25	2704	1207
SP135-F36WA20Q36-LV	36	14245	20	36	2863	1913
SP135-F36WA32Q48-LV	36	7160	32	48	2799	1928
SP135-F36WA49Q68-LV	36	3240	49	68	4302	1849
SP135-F28WA8Q16-LV-RGBW	28	16114	8	16	1055	415
SP135-F36WA13Q24-LV-RGBW	36	11253	13	25	1758	785
SP135-F36WA20Q36-LV-RGBW	36	9259	20	36	1861	1243
SP135-F36WA32Q48-LV-RGBW	36	4654	32	48	1819	1253
SP135-F36WA49Q68-LV-RGBW	36	2106	49	68	2796	1202
SP135-F36WA1040-LV	36	8755	10*40		2670	1335
SP135-F36WA1060-LV	36	5496	10*60		2916	1458
SP135-F36WA1460-LV	36	3750	14*60		3132	1566
SP135-F36WA2063-LV	36	2826	20*63		2988	1494

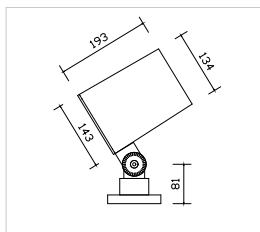
Reflector wall washer



Weight: 3.6KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off - dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP135-F36WP15W	36	3238	44*72:P15	88*140:P15	2772	2772
SP135-F36WP15H	36	6695	32*54:P15	45*90:P15	3241	3241
SP135-F36WP15HW	36	4359	30*63:P15	80*160:P15	2555	2555

Lens version

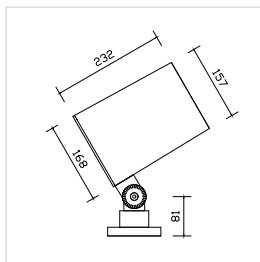


Weight: 3.6KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off - dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP135-36WA10-LV	36	21462	9	20	3445	942
SP135-36WA15-LV	36	11286	18	34	3372	1356
SP135-36WA24-LV	36	6426	22	40	3375.6	1117
SP135-36WA36-LV	36	4617	39	64	3374	2066
SP135-36WA50-LV	36	2916	51	81	3258	2098
SP135-36WA0520-LV	36	21864	5*20		2772	1081
SP135-36WA10-LV-RGBW	36	13950	9	20	2239	612
SP135-36WA15-LV-RGBW	36	7335	18	34	2191	881
SP135-36WA24-LV-RGBW	36	4176	22	40	2194	726
SP135-36WA36-LV-RGBW	36	3001	39	64	2193	1342
SP135-36WA50-LV-RGBW	36	1895	51	81	2117	1363

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

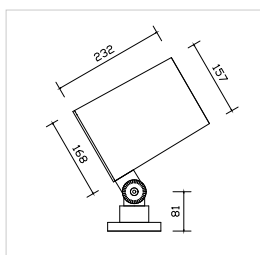
Reflector -Ultra narrow beam



Weight: 5.3KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP160-P36WA3Q5-BS	36	101030	3.1	5.3	2016	304
SP160-P36WA3Q6-SS	36	163592	3.2	5.7	2016	597
SP160-P36WA4Q7-LV	36	184413	3.4	7.1	2016	932

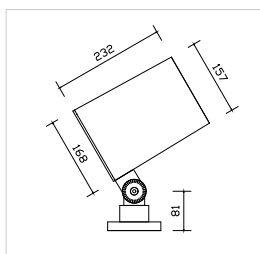
Reflector version



Weight: 5.3KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP160-F48WA8Q16-LV	48	42498	8	16	2781	1094
SP160-F48WA13Q24-LV	48	23099	13	25	3607	1610
SP160-F48WA20Q36-LV	48	18973	20	36	3814	2549
SP160-F48WA32Q48-LV	48	9526	32	48	3733	2565
SP160-F48WA49Q68-LV	48	4320	49	68	5736	2466
SP160-F48WA8Q16-LV-RGBW	48	27624	8	16	1808	711
SP160-F48WA13Q24-LV-RGBW	48	15014	13	25	2345	1047
SP160-F48WA20Q36-LV-RGBW	48	12332	20	36	2479	1657
SP160-F48WA32Q48-LV-RGBW	48	6192	32	48	2426	1667
SP160-F48WA49Q68-LV-RGBW	48	2808	49	68	3728	1603
SP160-F48WA1040-LV	48	11672	10*40		3560	1780
SP160-F48WA1060-LV	48	7328	10*60		3888	1944
SP160-F48WA1460-LV	48	5000	14*60		4176	2088
SP160-F48WA2063-LV	48	3768	20*63		3984	1992

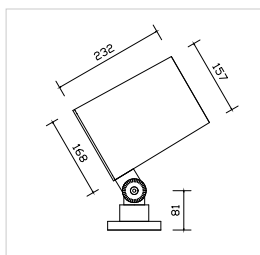
Reflector wall washer



Weight: 5.3KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP160-F48WP15W	48	4318	44*72:P15	88*140:P15	3697	3697
SP160-F48WP15H	48	8926	32*54:P15	45*90:P15	4322	4322
SP160-F48WP15HW	48	5812	30*63:P15	80*160:P15	3406	3406

Lens version

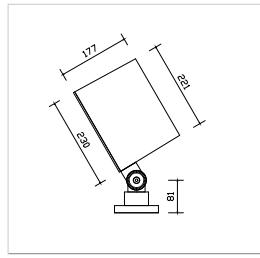


Weight: 5.3KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP160-48WA10-LV	48	28616	9	20	4593	1256
SP160-48WA15-LV	48	15048	18	34	4496	1808
SP160-48WA24-LV	48	8568	22	40	4500	1489
SP160-48WA36-LV	48	6156	39	64	4499	2754
SP160-48WA50-LV	48	3888	51	81	4344	2797
SP160-48WA0520-LV	48	29152	5*20		3695	1441
SP160-48WA10-LV-RGBW	48	18600	9	20	2985	816
SP160-48WA15-LV-RGBW	48	9781	18	34	2922	1175
SP160-48WA24-LV-RGBW	48	5569	22	40	2925	967
SP160-48WA36-LV-RGBW	48	4001	39	64	2924	1790
SP160-48WA50-LV-RGBW	48	2527	51	81	2823	1818

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

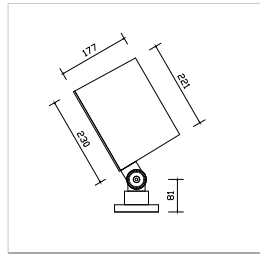
Reflector -Ultra narrow beam



Weight: 7.2KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off - dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP220-P72WA3Q5-BS	72	202061	3.1	5.3	4032	609
SP220-P72WA3Q6-SS	72	327184	3.2	5.7	4032	1195
SP220-P72WA4Q7-LV	72	368825	3.4	7.1	4032	1865

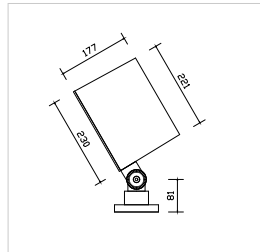
Reflector version



Weight: 7.2KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off - dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP220-F80WA8Q16-LV	80	70830	8	16	4636	1820
SP220-F80WA13Q24-LV	80	38750	13	25	6051	2702
SP220-F80WA20Q36-LV	80	31559	20	36	6344	4240
SP220-F80WA32Q48-LV	80	15878	32	48	6532	4276
SP220-F80WA49Q68-LV	80	7197	49	68	9520	4108
SP220-F80WA8Q16-LV-RGBW	80	46040	8	16	3013	1183
SP220-F80WA13Q24-LV-RGBW	80	25188	13	25	3933	1756
SP220-F80WA20Q36-LV-RGBW	80	20513	20	36	4124	2756
SP220-F80WA32Q48-LV-RGBW	80	10321	32	48	4246	2779
SP220-F80WA49Q68-LV-RGBW	80	4678	49	68	6188	2670
SP220-F80WA1040-LV	80	19453	10°40		5933	2967
SP220-F80WA1060-LV	80	12213	10°60		6480	3240
SP220-F80WA1460-LV	80	8333	14°60		6960	3480
SP220-F80WA2063-LV	80	6280	20°63		6640	3320

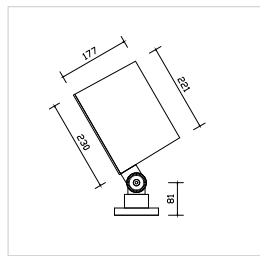
Reflector wall washer



Weight: 7.2KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off - dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP220-F80WP15W	80	7190	44°72:P15	88°140:P15	6160	6160
SP220-F80WP15H	80	14880	32°54:P15	45°90:P15	7200	7200
SP220-F80WP15HW	80	9692	30°63:P15	80°160:P15	5680	5680

Lens version

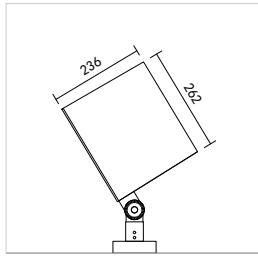


Weight: 7.2KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off - dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP220-80WA10-LV	80	50078	9	20	8038	2198
SP220-80WA15-LV	80	26334	18	34	7868	3164
SP220-80WA24-LV	80	14994	22	40	7876	2606
SP220-80WA36-LV	80	10003	39	64	7311	4476
SP220-80WA50-LV	80	6318	51	81	7059	4545
SP220-80WA0520-LV	80	48587	5°20		6159	2402
SP220-80WA10-LV-RGBW	80	32550	9	20	5225	1428
SP220-80WA15-LV-RGBW	80	17117	18	34	5114	2056
SP220-80WA24-LV-RGBW	80	9746	22	40	5119	1693
SP220-80WA36-LV-RGBW	80	6501	39	64	4752	2909
SP220-80WA50-LV-RGBW	80	4106	51	81	4588	2954

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

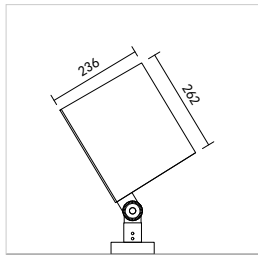
Reflector -Ultra narrow beam



Weight: 10.5KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP260-P100WA3Q5-BS	100	280612	3.1	5.3	5600	845
SP260-P100WA3Q6-SS	100	433992	3.2	5.7	5600	1658
SP260-P100WA4Q7-LV	100	512318	3.4	7.1	5600	2590

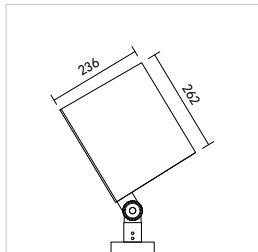
Reflector version



Weight: 10.5KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP260-F100WA8Q16-LV	100	88537	8	16	5795	2275
SP260-F100WA13Q24-LV	100	48565	13	25	7583	3386
SP260-F100WA20Q36-LV	100	39454	20	36	7930	5300
SP260-F100WA32Q48-LV	100	19847	32	48	7466	5345
SP260-F100WA49Q68-LV	100	9063	49	68	11900	5173
SP260-F100WA8Q16-LV-RGBW	100	57549	8	16	3767	1479
SP260-F100WA13Q24-LV-RGBW	100	31567	13	25	4929	2201
SP260-F100WA20Q36-LV-RGBW	100	25645	20	36	5155	3445
SP260-F100WA32Q48-LV-RGBW	100	12901	32	48	4853	3474
SP260-F100WA49Q68-LV-RGBW	100	5891	49	68	7735	3362
SP260-F100WA1040-LV	100	24316	10*40		7417	3708
SP260-F100WA1060-LV	100	15266	10*60		8100	4050
SP260-F100WA1460-LV	100	10416	14*60		8700	4350
SP260-F100WA2063-LV	100	7850	20*63		8300	4150

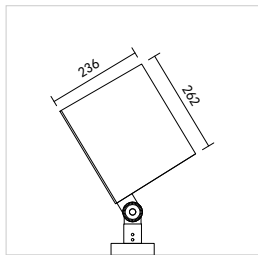
Reflector wall washer



Weight: 10.5KG
Power: DC24V/AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP260-F100WP15W	100	8988	44*72:P15	88*140:P15	7700	7700
SP260-F100WP15H	100	18600	32*54:P15	45*90:P15	9000	9000
SP260-F100WP15HW	100	12114	30*63:P15	80*160:P15	7099	7099

Lens version

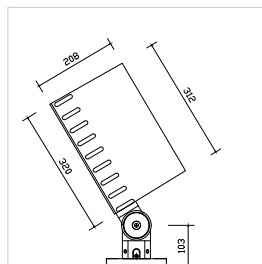


Weight: 10.5KG
Power: DC24V/AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off, dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP260-100WA10-LV	100	60809	9	20	9761.4	2669
SP260-100WA15-LV	100	31977	18	34	9554	3842
SP260-100WA24-LV	100	18207	22	40	9564	3164
SP260-100WA36-LV	100	12312	39	64	8998	5509
SP260-100WA50-LV	100	7776	51	81	8688	5594
SP260-100WA0520-LV	100	60773	5*20		7700	3003
SP260-100WA10-LV-RGBW	100	39525	9	20	6344	1734
SP260-100WA15-LV-RGBW	100	20785	18	34	6210	2497
SP260-100WA24-LV-RGBW	100	11834	22	40	6216	2056
SP260-100WA36-LV-RGBW	100	8002	39	64	5848	3580
SP260-100WA50-LV-RGBW	100	5054	51	81	5647	3636

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

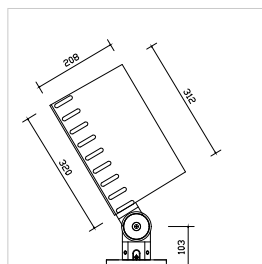
Reflector -Ultra narrow beam



Weight: 12.8KG
Power: AC220V
Color temperature: Monochrome
Driver: Build-in on/off、dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP310-P150WA3Q5-BS	150	420960	3.1	5.3	8400	1268
SP310-P150WA3Q6-SS	150	681472	3.2	5.7	8400	2488
SP310-P150WA4Q7-LV	150	768205	3.4	7.1	8400	3884

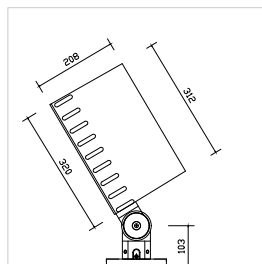
Reflector version



Weight: 12.8KG
Power: AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off、dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP310-F150WA8Q16-LV	150	134577	8	16	8808	3464
SP310-F150WA13Q24-LV	150	72612	13	25	11335	5061.6
SP310-F150WA20Q36-LV	150	59179	20	36	11895	7950
SP310-F150WA32Q48-LV	150	29770	32	48	11665	8017
SP310-F150WA49Q68-LV	150	13500	49	68	17925	7706
SP310-F150WA8Q16-LV-RGBW	150	87475	8	16	5725	2252
SP310-F150WA13Q24-LV-RGBW	150	47198	13	25	7368	3290
SP310-F150WA20Q36-LV-RGBW	150	38466	20	36	7732	5168
SP310-F150WA32Q48-LV-RGBW	150	19351	32	48	7582	5211
SP310-F150WA49Q68-LV-RGBW	150	8775	49	68	11651	5009
SP310-F150WA104Q-LV	150	36475	10*40		11125	5563
SP310-F150WA106Q-LV	150	22900	10*60		12150	6075
SP310-F150WA146Q-LV	150	15625	14*60		13050	6525
SP310-F150WA2063-LV	150	11775	20*63		12450	6225

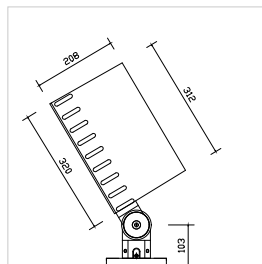
Reflector wall washer



Weight: 12.8KG
Power: AC220V
Color temperature: Monochrome
Driver: Build-in on/off、dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP310-F150WP15W	150	13481	44*72:P15	88*140:P15	11550	11550
SP310-F150WP15H	150	27894	32*54:P15	45*90:P15	13506	13506
SP310-F150WP15HW	150	18171	30*63:P15	80*160:P15	10649	10649

Lens version

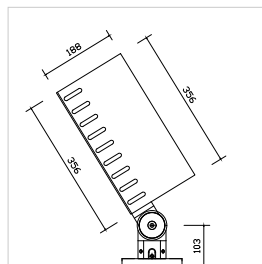


Weight: 12.8KG
Power: AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off、dimmable DALI/DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP310-150WA10-LV	150	93002	9	20	14929	4082
SP310-150WA15-LV	150	48906	18	34	14612	5876
SP310-150WA24-LV	150	27846	22	40	14627	4840
SP310-150WA36-LV	150	19237	39	64	14060	8608
SP310-150WA50-LV	150	12150	51	81	13575	8740
SP310-150WA052Q-LV	150	91100	5*20		11551	4505
SP310-150WA10-LV-RGBW	150	60451	9	20	9703	2653
SP310-150WA15-LV-RGBW	150	31788	18	34	9497	3819
SP310-150WA24-LV-RGBW	150	18099	22	40	9507	3146
SP310-150WA36-LV-RGBW	150	12504	39	64	9139	5595
SP310-150WA50-LV-RGBW	150	7897	51	81	8823	5681

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

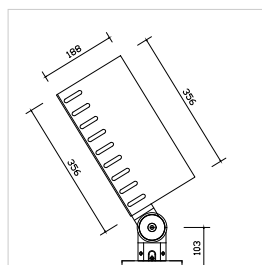
Reflector -Ultra narrow beam



Weight: 15.2KG
Power: AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP360-P200WA3Q5-BS	200	561308	3.1	5.3	11200	1691
SP360-P200WA3Q6-SS	200	908952	3.2	5.7	11200	3319
SP360-P200WA4Q7-LV	200	1024528	3.4	7.1	11200	5180

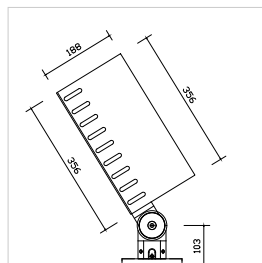
Reflector version



Weight: 15.2KG
Power: AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off, dimmable DALI/ DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP360-F200WA8Q16-LV	200	177075	8	16	11590	4558
SP360-F200WA13Q24-LV	200	112526	13	25	15318	6840
SP360-F200WA20Q36-LV	200	78798	20	36	15839	10585
SP360-F200WA32Q48-LV	200	39958	32	48	15865	10760
SP360-F200WA49Q68-LV	200	18000	49	68	23900	10274
SP360-F200WA8Q16-LV-RGBW	200	115099	8	16	7534	2963
SP360-F200WA13Q24-LV-RGBW	200	73142	13	25	9957	4446
SP360-F200WA20Q36-LV-RGBW	200	51219	20	36	10295	6880
SP360-F200WA32Q48-LV-RGBW	200	25973	32	48	10312	6994
SP360-F200WA49Q68-LV-RGBW	200	11700	49	68	15535	6678
SP360-F200WA1040-LV	200	48633	10*40		14833	7417
SP360-F200WA1060-LV	200	30533	10*60		16200	8100
SP360-F200WA1460-LV	200	20832	14*60		17400	8700
SP360-F200WA2063-LV	200	15700	20*63		16600	8300

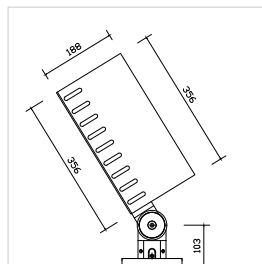
Reflector wall washer



Weight: 15.2KG
Power: AC220V
Color temperature: Monochrome
Driver: Build-in on/off, dimmable DALI/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP360-F168WP15W	168	15099	44*72° P15	88*140:P15	12936	12936
SP360-F168WP15H	168	31235	32*54:P15	45*90:P15	15121	15121
SP360-F168WP15HW	168	20353	30*63:P15	80*160:P15	11927	11927

Lens version



Weight: 15.2KG
Power: AC220V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off, dimmable DALI/ DMX512/0-10V driver

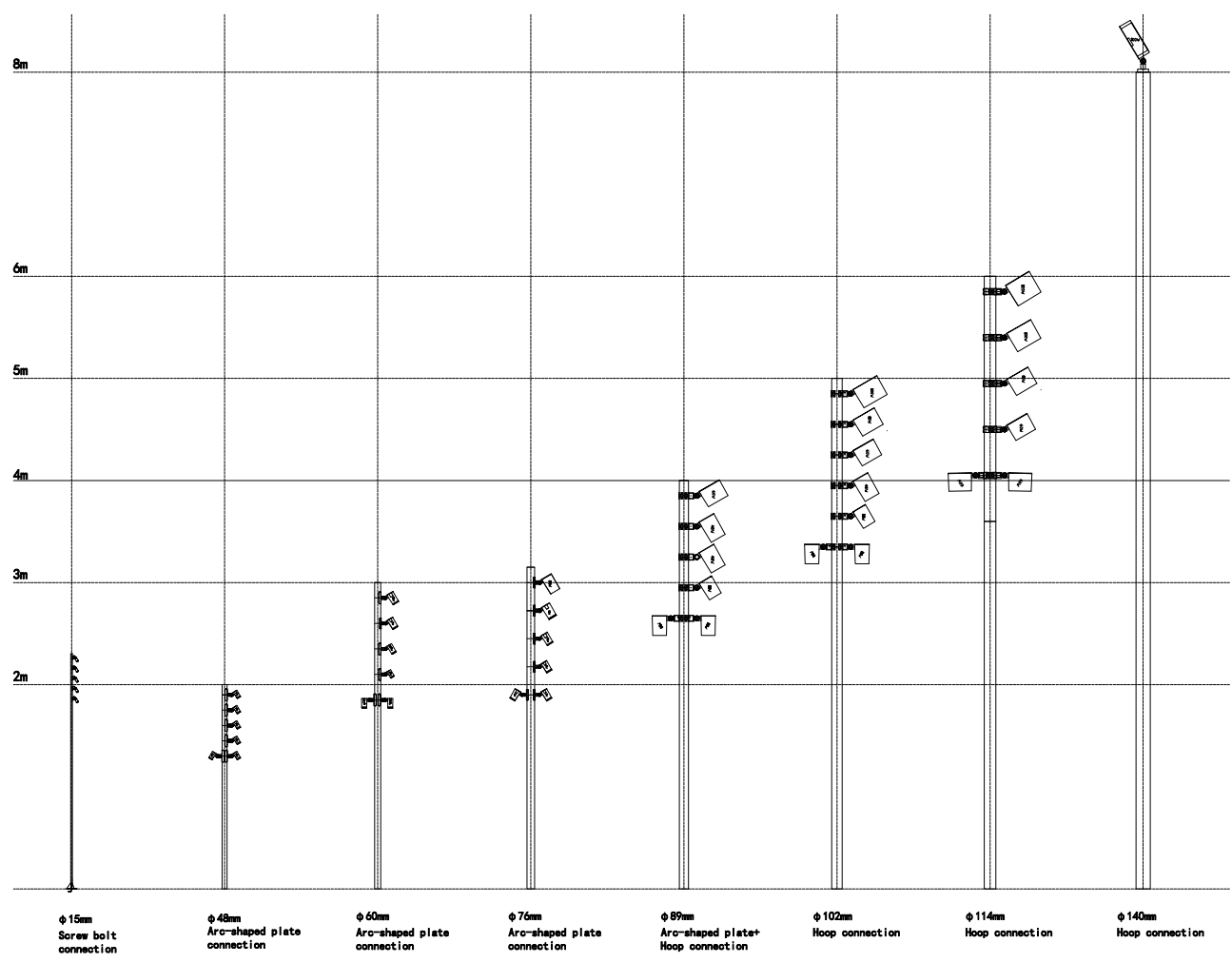
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP360-200WA10-LV	200	121618	9	20	19523	5338
SP360-200WA15-LV	200	63954	18	34	19108	7684
SP360-200WA24-LV	200	36424	22	40	19128	6329
SP360-200WA36-LV	200	25393	39	64	18569	11362
SP360-200WA50-LV	200	16038	51	81	17919	11537
SP360-200WA0520-LV	200	121467	5*20		15400	6006
SP360-200WA10-LV-RGBW	200	79051	9	20	12689	3469
SP360-200WA15-LV-RGBW	200	41570	18	34	12420	4994
SP360-200WA24-LV-RGBW	200	23675	22	40	12433	4113
SP360-200WA36-LV-RGBW	200	16505	39	64	12063	7385
SP360-200WA50-LV-RGBW	200	10424	51	81	11647	7499

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

The accessories

	1W SP22-B	3W SP40-B	6W SP50-B	9W SP60-B	15W SP75-B	18W SP95-B	24W SP100-B	36W SP135-R	48W SP160-R	80W SP220-R	100W SP260-B	150W SP310-R	200W SP390-R
45° cylindrical screen													
U-bracket													
Spike for ground													
U-bracket& Spike for ground													
ø60mm Pole													
Arc-shaped plate													
ø76mm Pole													
Arc-shaped plate													
ø89mm Pole													
Hoop													
ø102mm Pole													
Hoop													
ø114mm Pole													
Hoop													

Pole installation



Square Outdoor Floodlights



Specification

Luminaire body material: 6061 aluminum (processed by CNC technology), Stainless steel (U-shaped bracket);
 Die-cast aluminum (base-mounted type). All brackets are equipped with a graduated scale and mechanical aiming lock.
 Anti-glare louvers designed for different optics;
 Surface color of the luminaire: Matte gray
 IP rating: IP66;
 IK rating: IK07;
 Insulation class: Class I;
 Surface temperature: < 55°;
 Working temperature: -20°C~50°C;
 Symmetrical light: 1°, 3°, 5°, 10°, 15°, 24°, 36°, 60°;
 Asymmetrical light: A4°, A6°, A8°, A15°, A20°, A45°, A70°;
 Multiple elliptical lenses are available, including 1×60°, 1×40°, 1×15°, 10×60°, 10×40°, and 15×60°.

Size



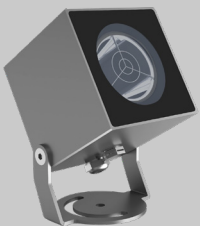
Different Anti-glare design for different optics



BS(1-3°)
Big solid Anti-glare Louver



SS(2-6°)
Small solid Anti-glare Louver



A8(8-12°)-LV
Anti-glare Louver



A15(13-17°)-LV
Anti-glare Louver



A24(19-24°)-LV
Anti-glare Louver



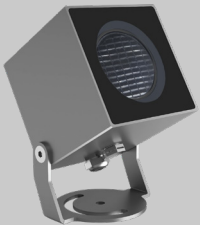
A36(30-38°)-LV
Anti-glare Louver



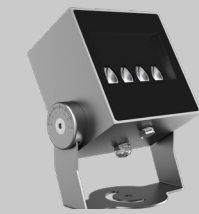
A50(45-66°)-LV
Anti-glare Louver



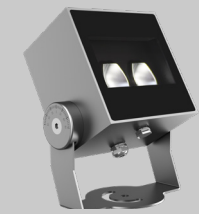
P05(Tilt5°)-LV
Anti-glare Louver



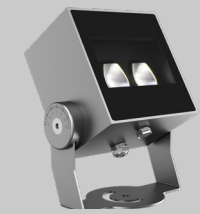
P15(Tilt15°)-LV
Anti-glare Louver



P15W



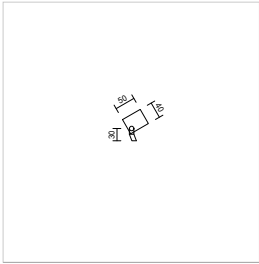
P15H



P15HW

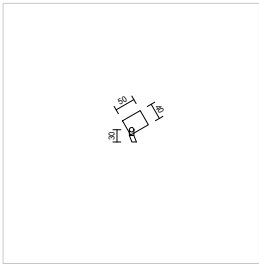


Reflector -Ultra narrow beam



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP40-SP3WA3Q7-BS	3	3285	3.2	7.1	155	16
SP40-SP3WA4Q10-SS	3	4588	4.2	9.7	155	41

Lens version

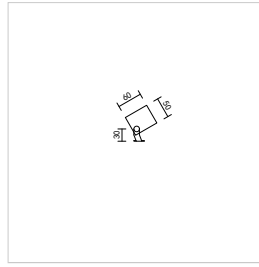


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP40-S3WA10-LV	3	1788	9	20	287	78
SP40-S3WA15-LV	3	940	18	34	281	113
SP40-S3WA24-LV	3	535	22	40	281	93
SP40-S3WA36-LV	3	384	39	64	281	172
SP40-S3WA50-LV	3	243	51	81	271	175
SP40-S3WA1040-LV	3	729	10*40		223	111
SP40-S3WA1060-LV	3	458	10*60		243	122
SP40-S3WA1460-LV	3	312	14*60		261	131
SP40-S3WA2063-LV	3	235	20*63		249	125
SP40-S3WA10-LV-RGBW	3	1162	9	20	186	50
SP40-S3WA15-LV-RGBW	3	611	18	34	182	73
SP40-S3WA24-LV-RGBW	3	347	22	40	182	60
SP40-S3WA36-LV-RGBW	3	249	39	64	182	111
SP40-S3WA50-LV-RGBW	3	157	51	81	176	113

Weight: 0.26KG
Power: DC24V
Color temperature: Monochrome/RGBW
Driver: Build-in on/off、dimmable DMX512/0-10V driver

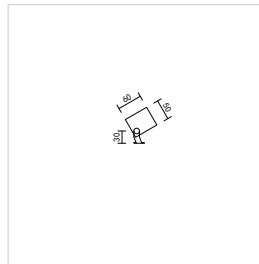
Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



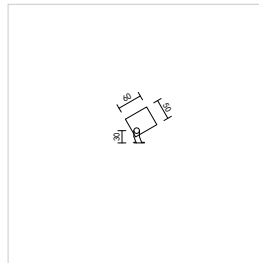
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-SP3WA3Q5-BS	3	6080	3.2	5.7	168	20
SP50-SP3WA3Q6-SS	3	8240	3.5	6.4	168	35
SP50-SP3WA4Q7-LV	3	10288	3.7	7.5	168	56

Reflector version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-SF4WA8Q16-LV	4	3541	8	16	232	91
SP50-SF6WA13Q24-LV	6	2899	13	24	453	202
SP50-SF6WA20Q36-LV	6	2363	20	36	480	317
SP50-SF6WA32Q48-LV	6	1193	32	48	456	321
SP50-SF6WA49Q68-LV	6	540	49	68	717	308
SP50-SF6WA1040-LV	6	1459	10*40		445	223
SP50-SF6WA1060-LV	6	916	10*60		486	243
SP50-SF6WA1460-LV	6	625	14*60		522	261
SP50-SF6WA2063-LV	6	471	20*63		498	249

Lens version

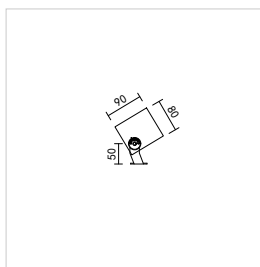


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-S6WA08-LV	6	3577	9	20	574	157
SP50-S6WA18-LV	6	1881	18	34	562	226
SP50-S6WA24-LV	6	1071	22	40	563	186
SP50-S6WA34-LV	6	770	39	64	562	344
SP50-S6WA50-LV	6	486	51	81	543	350
SP50-S6WA0520-LV	6	9955	5*20		462	180
SP50-S6WA18-LV-RGBW	6	1222	18	34	365	146
SP50-S6WA24-LV-RGBW	6	696	22	40	365	120
SP50-S6WA34-LV-RGBW	6	500	39	64	365	223
SP50-S6WA63-LV-RGBW	6	315	51	81	352	227

Weight: 0.45KG
 Power: DC24V
 Color temperature: Monochrome/RGBW
 Driver: Build-in on/off、dimmable DMX512/0-10V driver

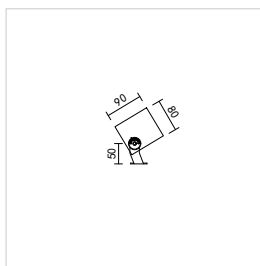
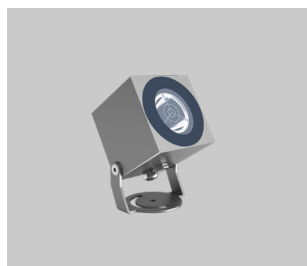
Light output value is based on 3000K ;
 The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



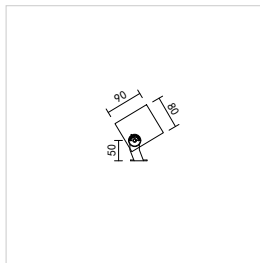
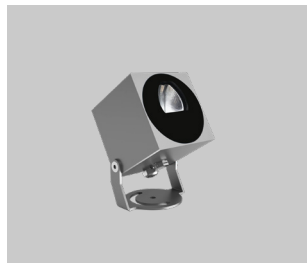
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-SG6WA3Q5-BS	6	7948	3.3	5.4	321	25
SP80-SG6WA4Q9-SS	6	9139	4.4	8.7	321	67

Reflector version



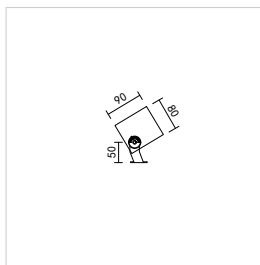
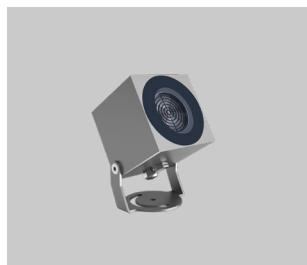
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-SF15WA13Q27-LV	15	8394	13	27	1350	604
SP80-SF15WA22Q35-LV	15	5801	22	35	1350	857
SP80-SF15WA34Q47-LV	15	3382	34	47	1350	1006
SP80-SF15WA49Q77-LV	15	1475	49	77	1431	955
SP80-SF15WA13Q27-LV-RGBW	15	5456	13	27	878	393
SP80-SF15WA22Q35-LV-RGBW	15	3771	22	35	878	557
SP80-SF15WA34Q47-LV-RGBW	15	2198	34	47	878	654
SP80-SF15WA49Q77-LV-RGBW	15	959	49	77	930	621
SP80-SF15WA1040-LV	15	3647	10*40		1113	556
SP80-SF15WA1060-LV	15	2290	10*60		1215	608
SP80-SF15WA1460-LV	15	1562	14*60		1305	653
SP80-SF15WA2063-LV	15	1177	20*63		1245	623

Reflector wall washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-SF12WP15W	12	1080	44*72:P15	88*140:P15	925	925
SP80-SF12WP15H	12	2232	32*54:P15	45*90:P15	1080	1080
SP80-SF12WP15HW	12	1453	30*63:P15	80*160:P15	852	852

Lens version

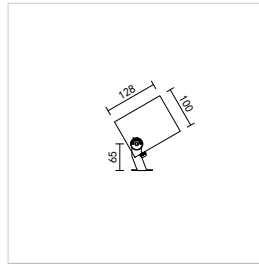


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-S15WA15-LV	15	4864	18	34	1455	585
SP80-S15WA24-LV	15	2769	22	40	1455	481
SP80-S15WA36-LV	15	1923	39	64	1455	851
SP80-S15WA50-LV	15	1256	51	81	1455	904
SP80-S15WA0520-LV	15	9110	5*20		1154	450
SP80-S15WA15-LV-RGBW	15	3161	18	34	945	380
SP80-S15WA24-LV-RGBW	15	1799	22	40	945	312
SP80-S15WA36-LV-RGBW	15	1249	39	64	945	553
SP80-S15WA50-LV-RGBW	15	816	51	81	945	587

Weight: 0.82KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/RGBW
 Driver: Build-in on/off /DALI dimmable/ DMX512/0-10V driver

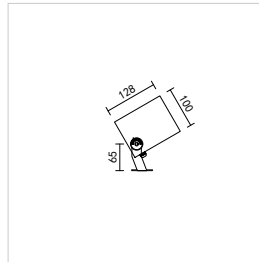
Light output value is based on 3000K ;
 The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



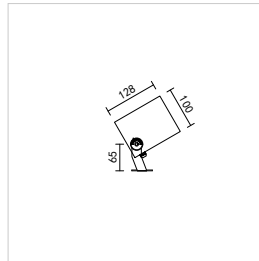
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-SP3WA1Q3-BS	3	12368	1.2	3.2	175	12
SP100-SP3WA2Q6-SS	3	20079	2	5.6	175	58
SP100-SP3WA3Q6-LV	3	30923	2.6	6.2	175	127
SP100-SG5WA2Q7-LV	5	26240	2	7.1	242	123
SP100-SH9WA3Q6-BS	9	12320	3.1	6	447	53
SP100-SH9WA4Q7-SS	9	18349	3.5	7	427	90

Reflector version



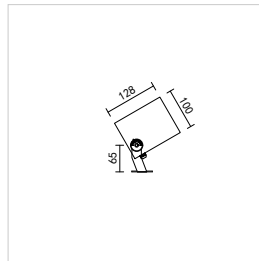
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-SF18WA12Q24-LV	18	12802	12	24	1646	726
SP100-SF18WA17Q30-LV	18	9157	17	30	1602	869
SP100-SF18WA20Q35-LV	18	8682	20	35	1569	1114
SP100-SF18WA33Q46-LV	18	5149	30	46	1542	1300
SP100-SF18WA48Q70-LV	18	1583	48	70	1481	921
SP100-SF18WA12Q24-LV-RGBW	18	8321	12	24	1069	471
SP100-SF18WA17Q30-LV-RGBW	18	5952	17	30	1041	564
SP100-SF18WA20Q35-LV-RGBW	18	5643	20	35	1019	724
SP100-SF18WA33Q46-LV-RGBW	18	3347	30	46	1002	845
SP100-SF18WA48Q70-LV-RGBW	18	1029	48	70	962	598
SP100-SF18WA1040-LV	18	4377	10°40		1335	668
SP100-SF18WA1060-LV	18	2748	10°60		1458	729
SP100-SF18WA1460-LV	18	1875	14°60		1566	783
SP100-SF18WA2063-LV	18	1413	20°63		1494	747

Reflector wall washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-SF16WP15W	16	1438	44°72:P15	88°140:P15	1231	1231
SP100-SF24WP15H	24	4463	32°54:P15	45°90:P15	2161	2161
SP100-SF24WP15HW	24	2906	30°63:P15	80°160:P15	1703	1703

Lens version

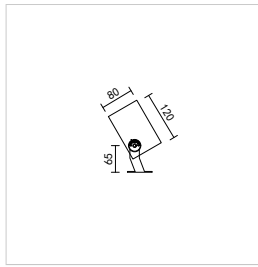
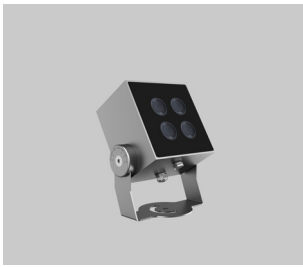


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-S18WA10-LV	18	10732	9	20	1722	470
SP100-S18WA15-LV	18	5643	18	34	1687	678
SP100-S18WA24-LV	18	3213	22	40	1687	558
SP100-S18WA36-LV	18	2308	39	64	1687	1033
SP100-S18WA50-LV	18	1458	51	81	1629	1049
SP100-S18WA10-LV-RGBW	18	6976	9	20	1119	305
SP100-S18WA15-LV-RGBW	18	3668	18	34	1096	440
SP100-S18WA24-LV-RGBW	18	2088	22	40	1096	362
SP100-S18WA36-LV-RGBW	18	1500	39	64	1096	671
SP100-S18WA50-LV-RGBW	18	948	51	81	1058	681

Weight: 1.5KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/RGBW
 Driver: Build-in on/off /DALI dimmable/ DMX512/0-10V driver

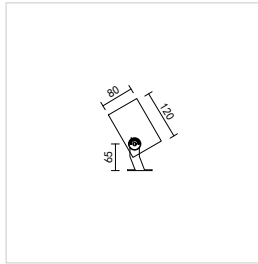
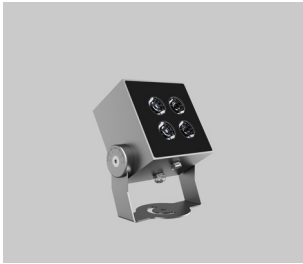
Light output value is based on 3000K ;
 The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



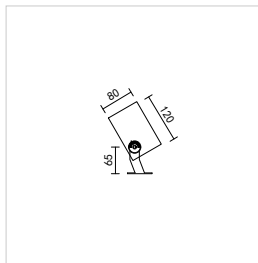
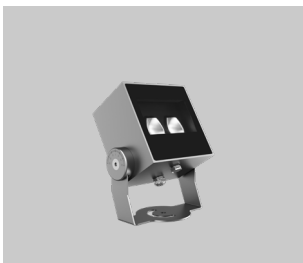
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-SP15WA3Q5-BS	15	33677	3.1	5.3	672	101
SP120-SP15WA3Q6-SS	15	68123	3.5	6.4	840	249
SP120-SP15WA4Q7-LV	15	76820	3.4	7.1	840	388

Reflector version



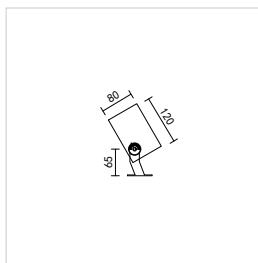
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-SF15WA8Q16-LV	15	14166	8	16	927	364
SP120-SF30WA13Q24-LV	30	14495	13	24	2265	1026
SP120-SF30WA20Q36-LV	30	11853	20	36	2382	1596
SP120-SF30WA32Q48-LV	30	5966	32	48	2333	1607
SP120-SF30WA49Q68-LV	30	2160	49	68	2868	1233
SP120-SF15WA8Q16-LV-RGBW	15	9208	8	16	603	237
SP120-SF30WA13Q24-LV-RGBW	30	9422	13	24	1472	667
SP120-SF30WA20Q36-LV-RGBW	30	7704	20	36	1548	1037
SP120-SF30WA32Q48-LV-RGBW	30	3878	32	48	1516	1045
SP120-SF30WA49Q68-LV-RGBW	30	1404	49	68	1864	801
SP120-SF30WA1040-LV	30	7295	10°40		2225	1113
SP120-SF30WA1060-LV	30	4580	10°60		2430	1215
SP120-SF30WA1460-LV	30	3125	14°60		2610	1305
SP120-SF30WA2063-LV	30	2355	20°63		2490	1245

Reflector wall washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-SF20WP15W	20	1798	44°72:P15	88°140:P15	1539	1539
SP120-SF24WP15H	24	4463	32°54:P15	45°90:P15	2161	2161
SP120-SF24WP15HW	24	2906	30°63:P15	80°160:P15	1703	1703

Lens version

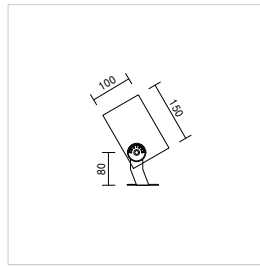
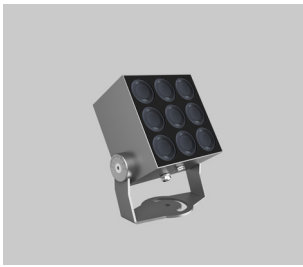


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-S24WA10-LV	24	14308	9	20	2296	628
SP120-S24WA15-LV	24	7524	18	34	2248	904
SP120-S24WA24-LV	24	4284	22	40	2250	745
SP120-S24WA36-LV	24	3078	39	64	2249	1377
SP120-S24WA50-LV	24	1944	51	81	2172	1398
SP120-S24WA0520-LV	24	18220	5°20		2311	901
SP120-S24WA10-LV-RGBW	24	9300	9	20	1492	408
SP120-S24WA15-LV-RGBW	24	4890	18	34	1461	587
SP120-S24WA24-LV-RGBW	24	2784	22	40	1462	484
SP120-S24WA36-LV-RGBW	24	2000	39	64	1461	895
SP120-S24WA50-LV-RGBW	24	1263	51	81	1411	908

Weight: 2KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/RGBW
 Driver: Build-in on/off /DALI dimmable/ DMX512/0-10V driver

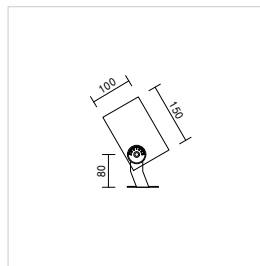
Light output value is based on 3000K ;
 The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



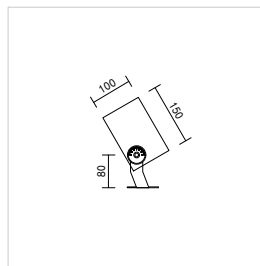
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-SG48WA4Q7-BS	48	53359	3.8	7.2	2568	280
SP150-SG48WA4Q9-SS	48	102442	4.6	9	2568	901

Reflector version



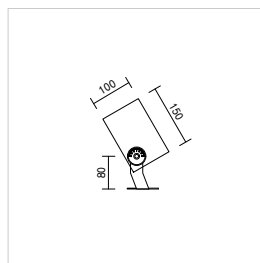
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-SF48WA11Q21-LV	48	27225	11	21	3975	1486
SP150-SF48WA16Q29-LV	48	22292	16	29	4248	2090
SP150-SF48WA23Q37-LV	48	15262	23	37	4234	2322
SP150-SF48WA33Q46-LV	48	10654	33	46	4176	3128
SP150-SF48WA49Q77-LV	48	4486	49	77	4354	2904
SP150-SF48WA11Q21-LV-RGBW	48	17696	11	21	2584	966
SP150-SF48WA16Q29-LV-RGBW	48	14490	16	29	2761	1359
SP150-SF48WA23Q37-LV-RGBW	48	9920	23	37	2752	1509
SP150-SF48WA33Q46-LV-RGBW	48	6925	33	46	2714	2033
SP150-SF48WA49Q77-LV-RGBW	48	2916	49	77	2830	1888
SP150-SF48WA1040-LV	48	11672	10°40		3560	1780
SP150-SF48WA1060-LV	48	7328	10°60		3888	1944
SP150-SF48WA1460-LV	48	5000	14°60		4176	2088
SP150-SF48WA2063-LV	48	3768	20°63		3984	1992

Reflector wall washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-SF48WP15W	48	4318	44°72°:P15	88°140:P15	3697	3697
SP150-SF36WP15H	36	6695	32°54°:P15	45°90°:P15	3241	3241
SP150-SF36WP15HW	36	4359	30°63°:P15	80°160°:P15	2555	2555

Lens version

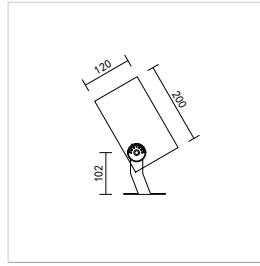
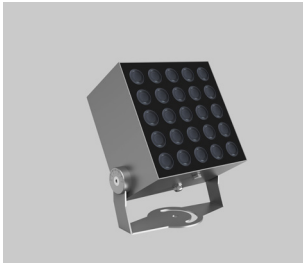


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-S48WA10-LV	48	28620	9	20	4593	1252
SP150-S48WA15-LV	48	15048	18	34	4500	1809
SP150-S48WA24-LV	48	8568	22	40	4500	1489
SP150-S48WA36-LV	48	6156	39	64	4499	2754
SP150-S48WA50-LV	48	3888	51	81	4344	2797
SP150-S48WA0520-LV	48	29152	5°20		3695	1441
SP150-S48WA10-LV-RGBW	48	18603	9	20	2985	813
SP150-S48WA15-LV-RGBW	48	9781	18	34	2925	1175
SP150-S48WA24-LV-RGBW	48	5569	22	40	2925	967
SP150-S48WA36-LV-RGBW	48	4001	39	64	2924	1790
SP150-S48WA50-LV-RGBW	48	2527	51	81	2823	1818

Weight: 4.4KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/RGBW
 Driver: Build-in on/off /DALI dimmable/ DMX512/0-10V driver

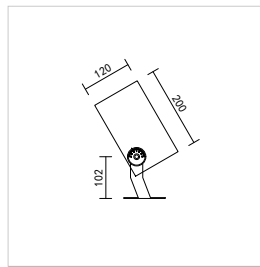
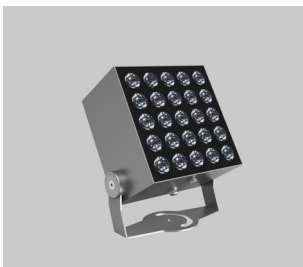
Light output value is based on 3000K ;
 The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



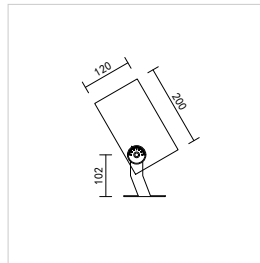
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-SP72WA3Q5-BS	72	202061	3.1	5.3	4032	609
SP200-SP72WA3Q6-SS	72	327184	3.5	6.4	4032	1195
SP200-SP72WA4Q7-LV	72	368825	3.4	7.1	4032	1865

Reflector version



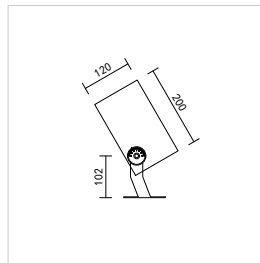
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-SF72WA8Q16-LV	72	63747	8	16	4172	1638
SP200-SF72WA13Q24-LV	72	34788	13	24	5436	2424
SP200-SF72WA20Q36-LV	72	28489	20	36	5276	3827
SP200-SF72WA32Q48-LV	72	14316	32	48	5472	3852
SP200-SF72WA49Q68-LV	72	6480	49	68	8604	3699
SP200-SF72WA8Q16-LV-RGBW	72	41436	8	16	2712	1065
SP200-SF72WA13Q24-LV-RGBW	72	22612	13	24	3533	1576
SP200-SF72WA20Q36-LV-RGBW	72	18518	20	36	3429	2488
SP200-SF72WA32Q48-LV-RGBW	72	9305	32	48	3557	2504
SP200-SF72WA49Q68-LV-RGBW	72	4212	49	68	5593	2404
SP200-SF72WA1040-LV	72	17508	10°40		5340	2670
SP200-SF72WA1060-LV	72	10992	10°60		5832	2916
SP200-SF72WA1460-LV	72	7500	14°60		6264	3132
SP200-SF72WA2063-LV	72	5652	20°63		5976	2988

Reflector wall washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-SF60WP15W	60	5397	44°72:P15	88°140:P15	4620	4620
SP200-SF60WP15H	60	11060	32°54:P15	45°90:P15	5400	5400
SP200-SF60WP15HW	60	7269	30°63:P15	80°160:P15	4260	4260

Lens version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-S60WA10-LV	60	35770	9	20	5740	1570
SP200-S60WA15-LV	60	18810	18	34	5620	2260
SP200-S60WA24-LV	60	10710	22	40	5630	1860
SP200-S60WA36-LV	60	7700	39	64	5620	3440
SP200-S60WA50-LV	60	4860	51	81	5430	3500
SP200-S60WA0520-LV	60	43728	5°20		5546	2163
SP200-S60WA10-LV-RGBW	60	23250	9	20	3731	1020
SP200-S60WA15-LV-RGBW	60	12226	18	34	3653	1469
SP200-S60WA24-LV-RGBW	60	6961	22	40	3659	1209
SP200-S60WA36-LV-RGBW	60	5005	39	64	3653	2236
SP200-S60WA50-LV-RGBW	60	3159	51	81	3529	2275

Weight: 7.2KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/RGBW
 Driver: Build-in on/off /DALI dimmable/ DMX512/0-10V driver

Light output value is based on 3000K ;
 The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

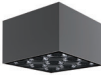
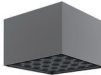
Wall Square / Ceiling square



Specification

Luminaire body material: 6061 aluminum (processed by CNC technology);
 Anti-glare louvers designed for different optics;
 Surface color of luminaire: Matte gray, black, white;
 IP rating: IP66;
 IK rating: IK07;
 Insulation class: Class I;
 Surface temperature: < 55°;
 Working temperature: -20°C~50°C;
 Symmetrical light: 1°, 3°, 5°, 10°, 15°, 24°, 36°, 60°;
 Asymmetrical light: A4°, A6°, A8°, A15°, A20°, A45°, A70°;
 Multiple elliptical lenses are available, including 1×60°, 1×40°, 1×15°, 10×60°, 10×40°, and 15×60°.

Size

Ceiling light						
Wall light						
	6W 50*50mm	15W 80*80mm	18W 100*100mm	24W 120*120mm	36/48W 150*150mm	72W 200*200mm
Updown light						
	2*6W 80*80mm	2*9W 100*100mm	2*12W 120*120mm	2*24W 150*150mm	2*36W 200*200mm	

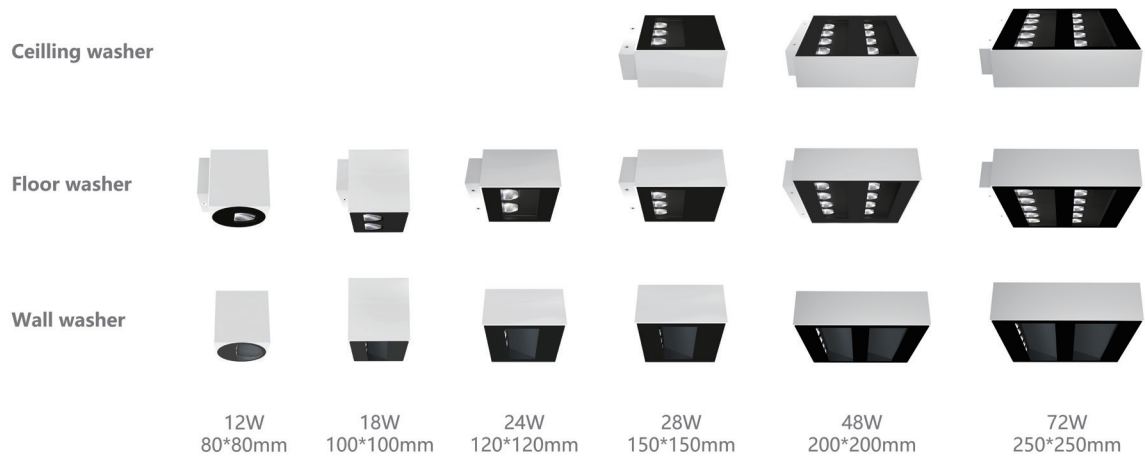
Ceilling washer / Wall washer

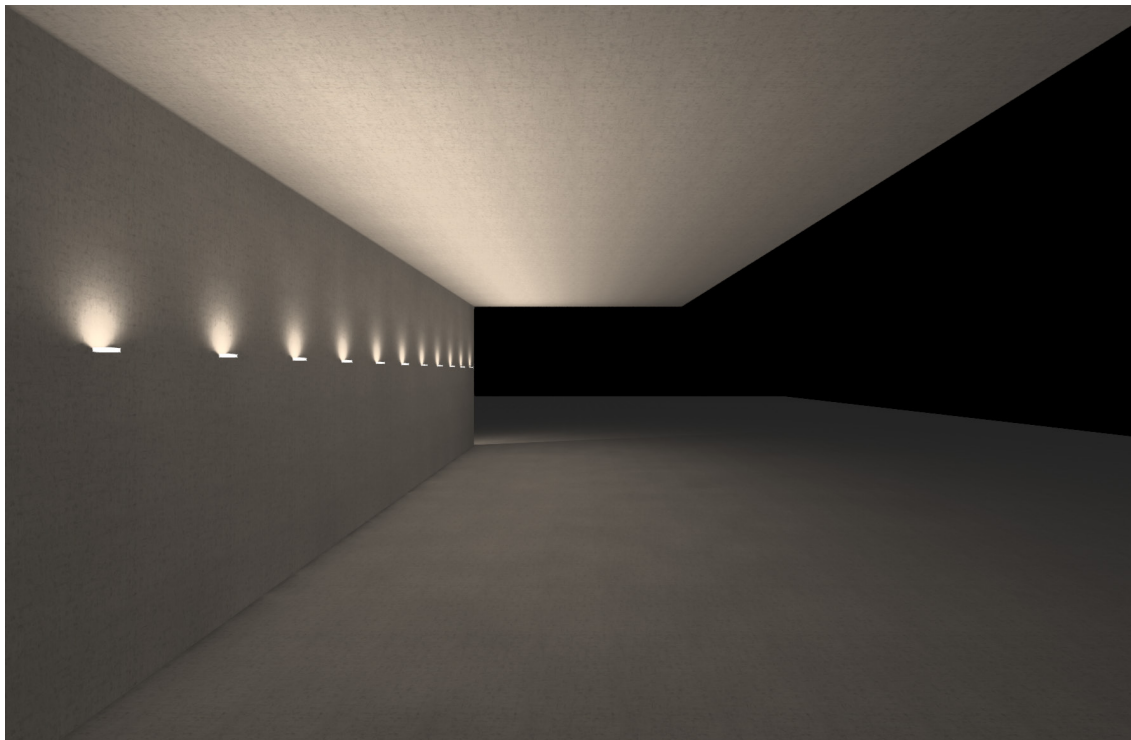


Specification

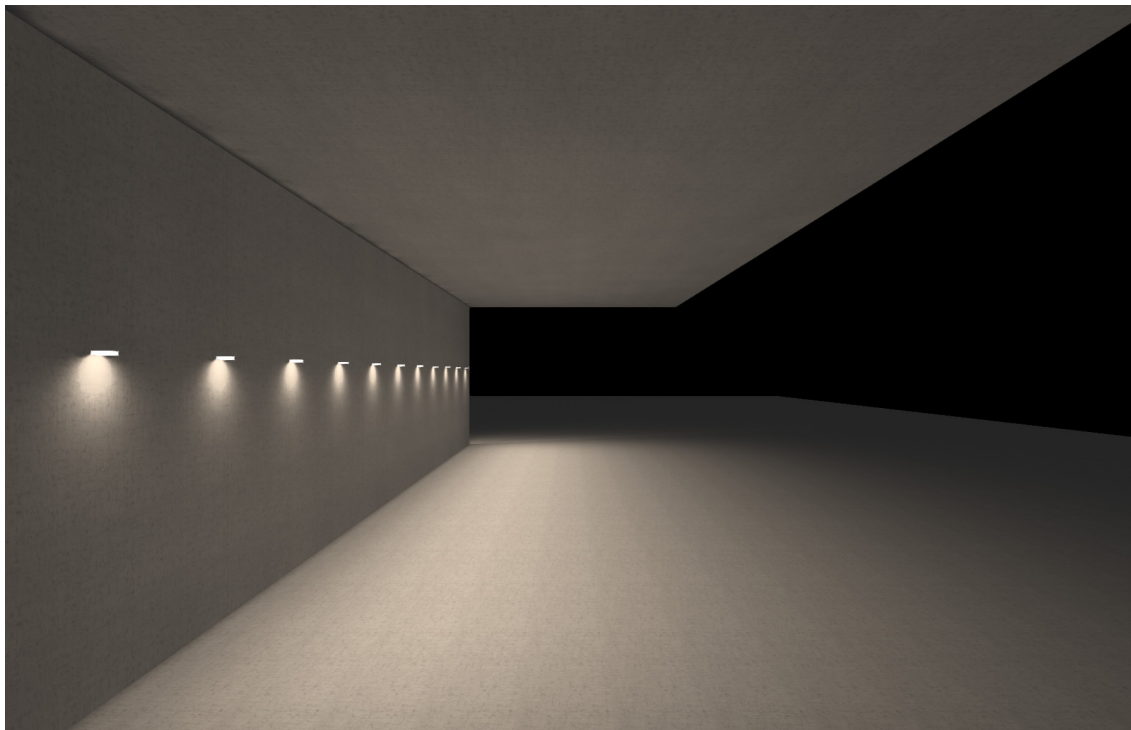
Luminaire body material: 6061 aluminum (processed by CNC technology);
Surface color of luminaire: Matte gray, black, white;
Protection, Insulation & Performance Ratings;
IP rating: IP66;
IK rating: IK07;
Insulation class: Class I;
Surface temperature: < 55°;
Working temperature: -20°C~50°C;
Wall washer, Ceiling washer, Floor washer.

Size



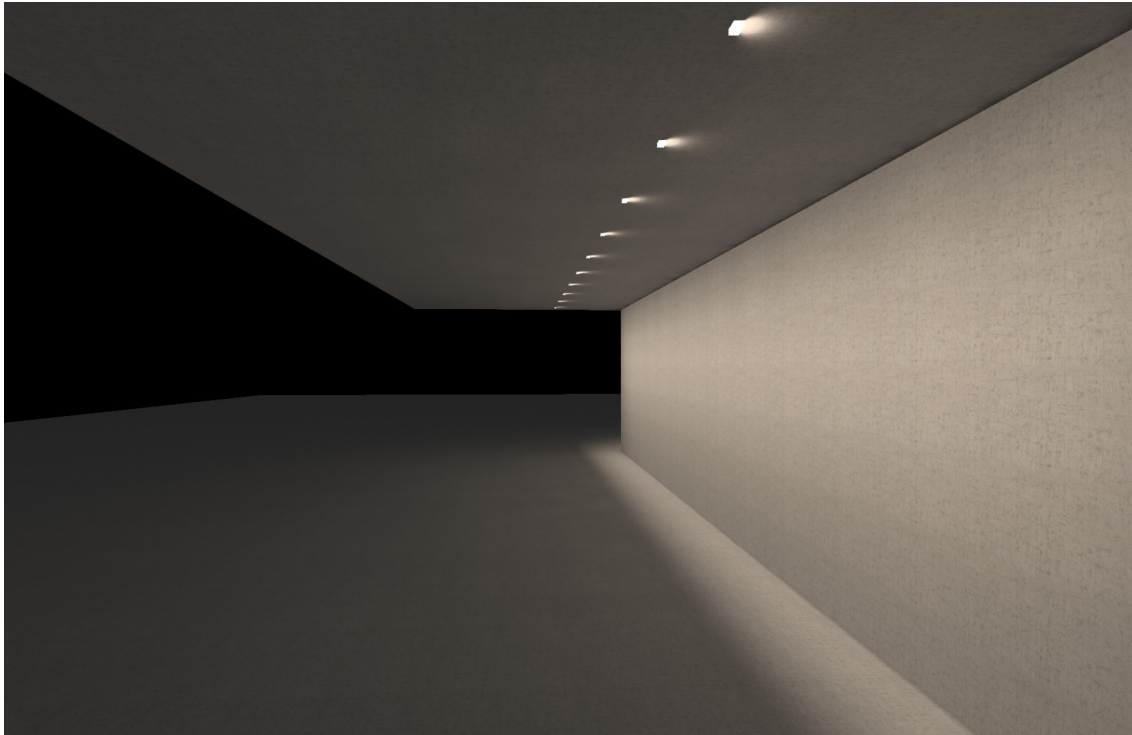


Ceilling washer

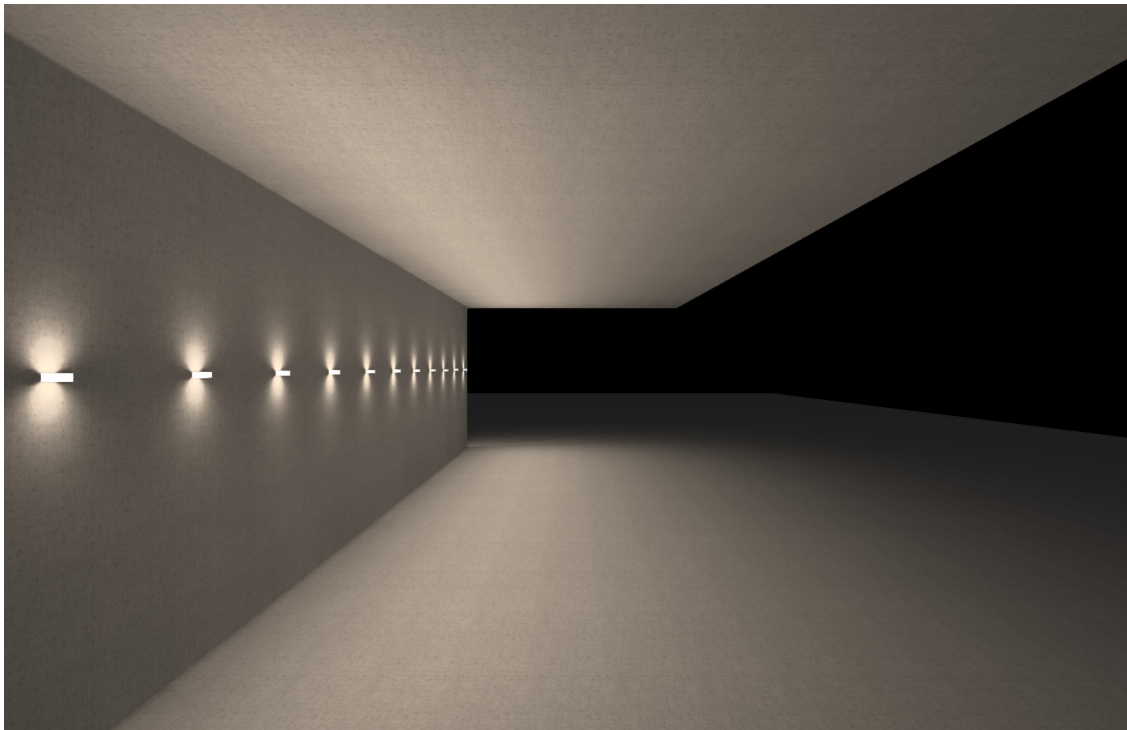


Floor washer

Diffrent application

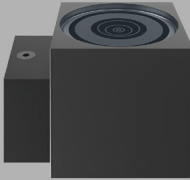
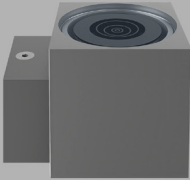
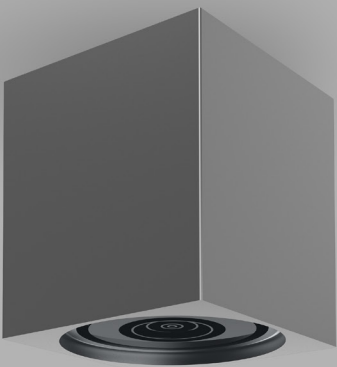
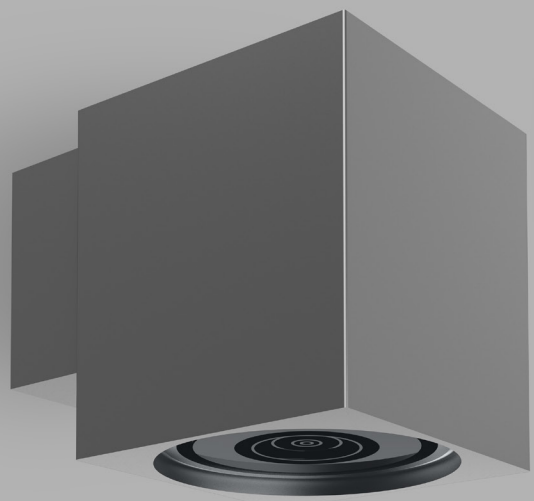


Wall washer

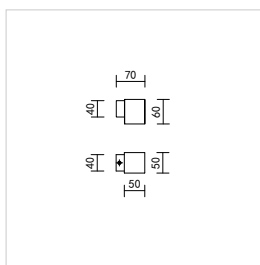


Ceilling + Floor washer

Wall square / Ceiling square
50x50mm downlight

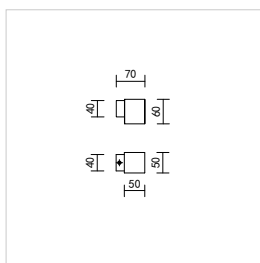


Wall light Reflector -Ultra narrow beam



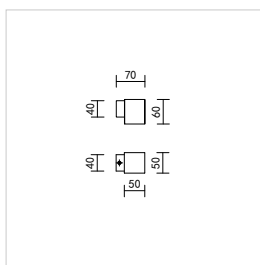
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-WSP3WA3Q5-BS	3	6080	3.2	5.7	168	20
SP50-WSP3WA3Q6-SS	3	8240	3.5	6.4	168	35
SP50-WSP3WA4Q7-LV	3	10288	3.7	7.5	168	56

Wall light Reflector version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-WSF4WA8Q16-LV	4	3541	8	16	232	91
SP50-WSF6WA13Q24-LV	6	2899	13	24	453	202
SP50-WSF6WA20Q36-LV	6	2363	20	36	480	317
SP50-WSF6WA32Q48-LV	6	1193	32	48	456	321
SP50-WSF6WA49Q68-LV	6	540	49	68	717	308
SP50-WSF6WA1040-LV	6	1459	10°40		445	223
SP50-WSF6WA1060-LV	6	916	10°60		486	243
SP50-WSF6WA1460-LV	6	625	14°60		522	261
SP50-WSF6WA2063-LV	6	471	20°63		498	249

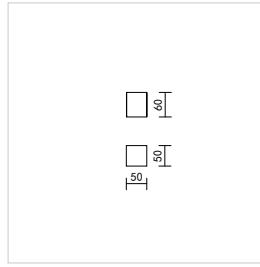
Wall light Lens version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-WS6WA10-LV	6	3577	9	20	574	157
SP50-WS6WA15-LV	6	1881	18	34	562	226
SP50-WS6WA24-LV	6	1071	22	40	563	186
SP50-WS6WA36-LV	6	770	39	64	562	344
SP50-WS6WA50-LV	6	486	51	81	543	350
SP50-WS6WA0520-LV	6	3644	5°20		462	
SP50-WS6WA10-LV-RGBW	6	2325	9	20	373	102
SP50-WS6WA15-LV-RGBW	6	1223	18	34	365	147
SP50-WS6WA24-LV-RGBW	6	696	22	40	366	121
SP50-WS6WA36-LV-RGBW	6	500	39	64	366	224
SP50-WS6WA50-LV-RGBW	6	316	51	81	353	228

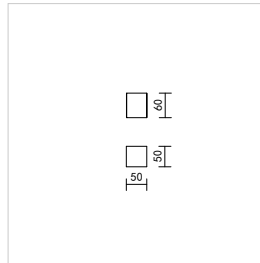
Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Ceiling downlight Reflector -Ultra narrow beam



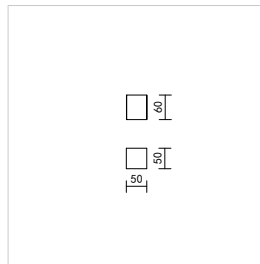
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-DSP3WA3Q5-BS	3	6080	3.2	5.7	168	19
SP50-DSP3WA3Q6-SS	3	8240	3.5	6.4	168	35
SP50-DSP3WA4Q7-LV	3	10288	3.7	7.5	168	56

Ceiling downlight Reflector version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-DSF6WA13Q24-LV	6	2899	13	24	453	202
SP50-DSF6WA20Q36-LV	6	2363	20	36	480	317
SP50-DSF6WA32Q48-LV	6	1193	32	48	456	321
SP50-DSF6WA49Q68-LV	6	540	49	68	717	308
SP50-DSF6WA1040-LV	6	1459	10*40		445	223
SP50-DSF6WA1060-LV	6	916	10*60		486	243
SP50-DSF6WA1460-LV	6	625	14*60		522	261
SP50-DSF6WA2063-LV	6	471	20*63		498	249

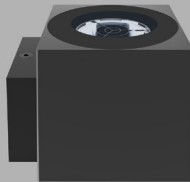
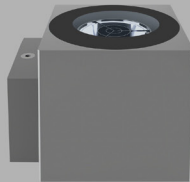
Ceiling downlight Lens version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-DS6WA08-LV	6	3577	9	20	574	157
SP50-DS6WA18-LV	6	1881	18	34	562	226
SP50-DS6WA24-LV	6	1071	22	40	563	186
SP50-DS6WA34-LV	6	770	39	64	562	344
SP50-DS6WA50-LV	6	486	51	81	543	350
SP50-DS6WA0520-LV	6	9955	5*20		462	180
SP50-DS6WA18-LV-RGBW	6	1222	18	34	365	146
SP50-DS6WA24-LV-RGBW	6	696	22	40	365	120
SP50-DS6WA34-LV-RGBW	6	500	39	64	365	223
SP50-DS6WA63-LV-RGBW	6	315	51	81	352	227

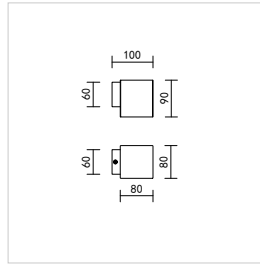
Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Wall square / Ceiling square
80x80mm downlight



Wall downlight

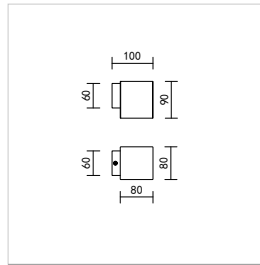
Reflector -Ultra narrow beam



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-WSG6WA3Q5-B5	6	7948	3.3	5.4	321	25
SP80-WSG6WA4Q9-SS	6	9139	4.4	8.7	321	67

Wall light

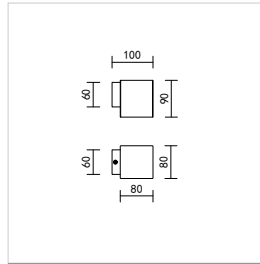
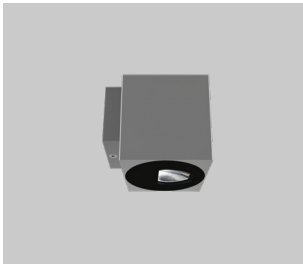
Reflector version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-WSF15WA13Q27-LV	15	8394	13	27	1350	604
SP80-WSF15WA22Q35-LV	15	5801	22	35	1350	857
SP80-WSF15WA34Q47-LV	15	3382	34	47	1350	1006
SP80-WSF15WA49Q77-LV	15	1475	49	77	1431	955
SP80-WSF15WA1040-LV	15	3647	10°40		1113	556
SP80-WSF15WA1060-LV	15	2290	10°60		1215	608
SP80-WSF15WA1460-LV	15	1562	14°60		1305	653
SP80-WSF15WA2063-LV	15	1177	20°63		1245	623

Wall light

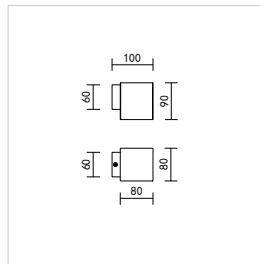
Reflector floor washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-WSF12WP15H	12	2232	32°54:P15	45°90:P15	1080	1080
SP80-WSF12WP15HW	12	1453	30°63:P15	80°160:P15	852	852
SP80-WSF12WP15W	12	1080	44°72° P15	88°140:P15	925	925

Wall light

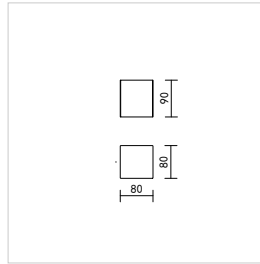
Lens version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-WS15WA15-LV	15	4864	18	34	1455	585
SP80-WS15WA24-LV	15	2769	22	40	1455	481
SP80-WS15WA36-LV	15	1923	39	64	1455	851
SP80-WS15WA50-LV	15	1256	51	81	1455	904
SP80-WS15WA0520-LV	15	9110	5°20		1154	450
SP80-WS15WA15-LV-RGBW	15	3161	18	34	945	380
SP80-WS15WA24-LV-RGBW	15	1799	22	40	945	312
SP80-WS15WA36-LV-RGBW	15	1249	39	64	945	553
SP80-WS15WA50-LV-RGBW	15	816	51	81	945	587

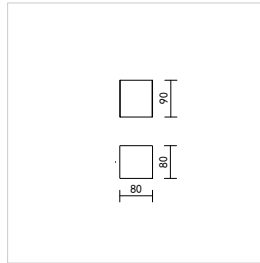
Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Ceiling downlight Reflector -Ultra narrow beam



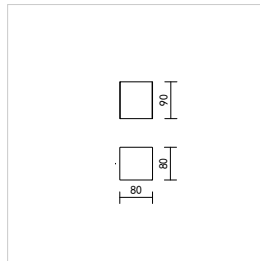
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-DSG6WA3Q5-BS	6	7948	3.3	5.4	321	25
SP80-DSG6WA4Q9-SS	6	9139	4.4	8.7	321	67

Ceiling downlight Reflector version



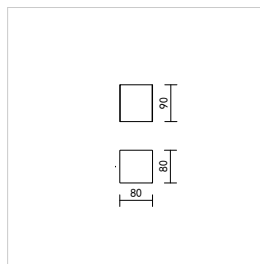
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-DSF15WA13Q27-LV	15	8394	13	27	1350	604
SP80-DSF15WA22Q35-LV	15	5801	22	35	1350	857
SP80-DSF15WA34Q47-LV	15	3382	34	47	1350	1006
SP80-DSF15WA49Q77-LV	15	1475	49	77	1431	955
SP80-DSF15WA1040-LV	15	3647	10*40		1113	556
SP80-DSF15WA1060-LV	15	2290	10*60		1215	608
SP80-DSF15WA1460-LV	15	1562	14*60		1305	653
SP80-DSF15WA2063-LV	15	1177	20*63		1245	623

Ceiling downlight Reflector wall washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-DSF12WP15H	12	2232	32*54:P15	45*90:P15	1080	1080
SP80-DSF12WP15HW	12	1453	30*63:P15	80*160:P15	852	852
SP80-DSF12WP15W	12	1080	44*72° P15	88*140:P15	925	925

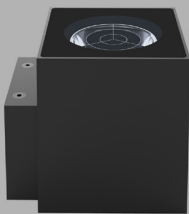
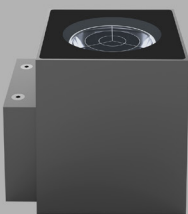
Ceiling downlight Lens version



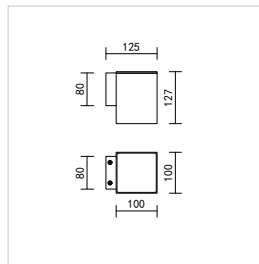
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-DS15WA15-LV	15	4864	18	34	1455	585
SP80-DS15WA24-LV	15	2769	22	40	1455	481
SP80-DS15WA36-LV	15	1923	39	64	1455	851
SP80-DS15WA50-LV	15	1256	51	81	1455	904
SP80-DS15WA0520-LV	15	9110	5*20		1154	450
SP80-DS15WA15-LV-RGBW	15	3161	18	34	945	380
SP80-DS15WA24-LV-RGBW	15	1799	22	40	945	312
SP80-DS15WA36-LV-RGBW	15	1249	39	64	945	553
SP80-DS15WA50-LV-RGBW	15	816	51	81	945	587

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Wall square / Ceiling square
100x100mm downlight

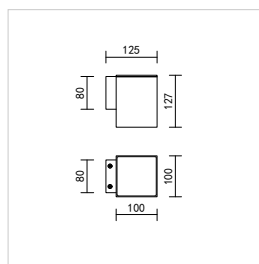


Wall light Reflector -Ultra narrow beam



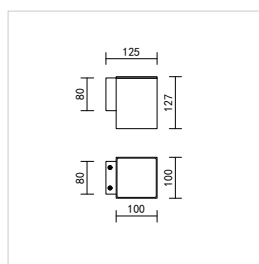
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-WSP3WA1Q3-BS	3	12368	1.2	3.2	175	12
SP100-WSP3WA2Q6-SS	3	20079	2	5.6	175	58
SP100-WSP3WA3Q6-LV	3	30923	2.6	6.2	175	127
SP100-WSG5WA2Q7-LV	5	26240	2	7.1	242	123
SP100-WSH9WA3Q6-BS	9	12320	3.1	6	447	53
SP100-WSH9WA4Q7-SS	9	18349	3.5	7	427	90

Wall light Reflector version



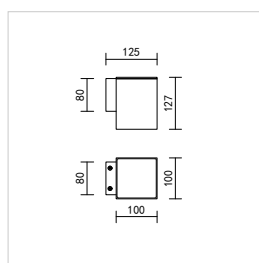
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-WSF18WA12Q25-LV	18	12802	12	25	1646	726
SP100-WSF18WA15Q28-LV	18	9157	15	28	1602	869
SP100-WSF18WA21Q37-LV	18	8682	21	37	1569	1114
SP100-WSF18WA33Q49-LV	18	5149	33	49	1542.5	1300
SP100-WSF18WA48Q70-LV	18	1583	48	70	1481	921
SP100-WSF18WA1040-LV	18	4377	10*40		1335	668
SP100-WSF18WA1060-LV	18	2748	10*60		1458	729
SP100-WSF18WA1460-LV	18	1875	14*60		1566	783
SP100-WSF18WA2063-LV	18	1413	20*63		1494	747

Wall light Reflector floor washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-WSF16WP15W	16	1438	44*72: P15	88*140:P15	1231	1231
SP100-WSF24WP15H	24	4463	32*54:P15	45*90:P15	2161	2161
SP100-WSF24WP15HW	24	2906	30*63:P15	80*160:P15	1703	1703

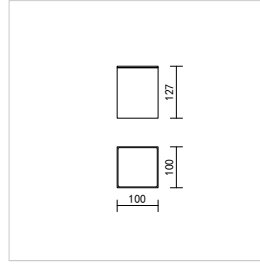
Wall light Lens version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-WS18WA10-LV	18	10732	9	20	1722	470
SP100-WS18WA15-LV	18	5643	18	34	1687	678
SP100-WS18WA24-LV	18	3213	22	40	1687	558
SP100-WS18WA36-LV	18	2308	39	64	1687	1033
SP100-WS18WA50-LV	18	1458	51	81	1629	1049
SP100-WS18WA0520-LV	18	10932	5*20		1387	541
SP100-WS18WA10-LV-RGBW	18	6975	9	20	1119	305
SP100-WS18WA15-LV-RGBW	18	3667	18	34	1096	440
SP100-WS18WA24-LV-RGBW	18	2088	22	40	1096	362
SP100-WS18WA36-LV-RGBW	18	1500	39	64	1096	671
SP100-WS18WA50-LV-RGBW	18	947	51	81	1058	681

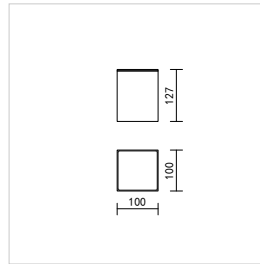
Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Ceiling downlight Reflector -Ultra narrow beam



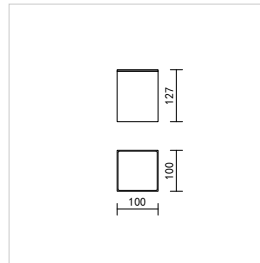
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-DSP3WA1Q3-BS	3	12368	1.2	3.2	175	12
SP100-DSP3WA2Q6-SS	3	20079	2	5.6	175	58
SP100-DSP3WA3Q6-LV	3	30923	2.6	6.2	175	127
SP100-DSG5WA2Q7-LV	5	26240	2	7.1	242	123
SP100-DSH9WA3Q6-BS	9	12320	3.1	6	447	53
SP100-DSH9WA4Q7-SS	9	18349	3.5	7	427	90

Ceiling downlight Reflector version



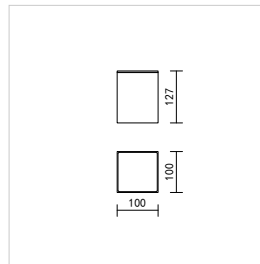
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-DSF18WA12Q25-LV	18	12802	12	25	1646	726
SP100-DSF18WA15Q28-LV	18	9157	15	28	1602	869
SP100-DSF18WA21Q37-LV	18	8682	21	37	1569	1114
SP100-DSF18WA33Q49-LV	18	5149	33	49	1542.5	1300
SP100-DSF18WA48Q70-LV	18	1583	48	70	1481	921
SP100-DSF18WA1040-LV	18	4377	10*40		1335	668
SP100-DSF18WA1060-LV	18	2748	10*60		1458	729
SP100-DSF18WA1460-LV	18	1875	14*60		1566	783
SP100-DSF18WA2063-LV	18	1413	20*63		1494	747

Ceiling downlight Reflector wall washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-DSF16WP15W	16	776	44*72° P15	88*140:P15	784	784
SP100-DSF18WP15H	18	2687	32*54:P15	45*90:P15	1502	1001
SP100-DSF18WP15HW	18	1090	30*63:P15	80*160:P15	639	639

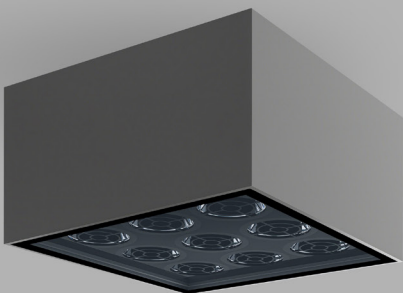
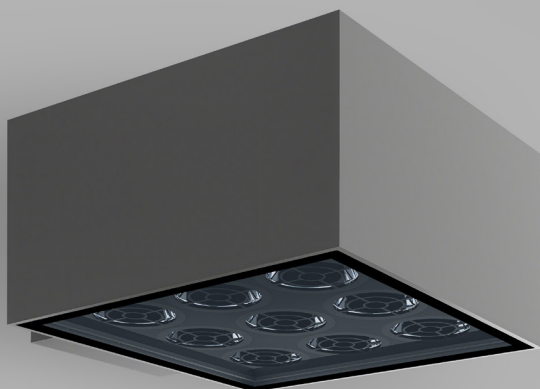
Ceiling downlight Lens version



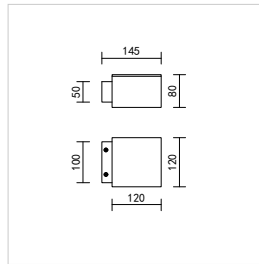
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-DS18WA10-LV	18	10732	9	20	1722	470
SP100-DS18WA15-LV	18	5643	18	34	1687	678
SP100-DS18WA24-LV	18	3213	22	40	1687	558
SP100-DS18WA36-LV	18	2308	39	64	1687	1033
SP100-DS18WA50-LV	18	1458	51	81	1629	1049
SP100-DS18WA0520-LV	18	10932	5*20		1387	541
SP100-DS18WA10-LV-RGBW	18	6975	9	20	1119	305
SP100-DS18WA15-LV-RGBW	18	3667	18	34	1096	440
SP100-DS18WA24-LV-RGBW	18	2088	22	40	1096	362
SP100-DS18WA36-LV-RGBW	18	1500	39	64	1096	671
SP100-DS18WA50-LV-RGBW	18	947	51	81	1058	681

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Wall square / Ceiling square
120x120mm downlight

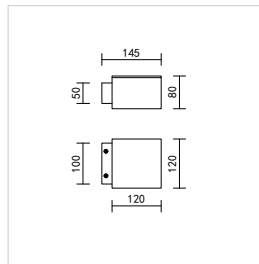


Wall light Reflector -Ultra narrow beam



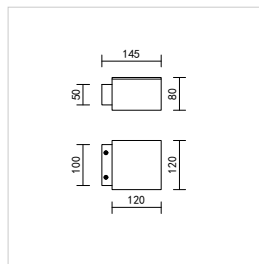
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-WSP15WA3Q6-SS	15	68123	3.2	5.7	840	249
SP120-WSP15WA4Q7-LV	15	76820	3.4	7.1	840	388

Wall light Reflector version



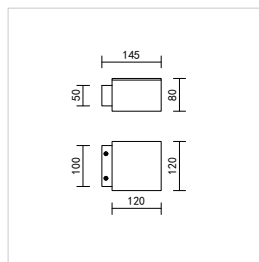
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-WSF30WA13Q24-LV	30	14495	13	24	2265	1026
SP120-WSF30WA20Q36-LV	30	11853	20	36	2382	1596
SP120-WSF30WA32Q48-LV	30	5966	32	48	2333	1607
SP120-WSF30WA49Q68-LV	30	2160	49	68	2868	1233
SP120-WSF30WA1040-LV	30	7295	10*40		2225	1113
SP120-WSF30WA1060-LV	30	4580	10*60		2430	1215
SP120-WSF30WA1460-LV	30	3125	14*60		2610	1305
SP120-WSF30WA2063-LV	30	2355	20*63		2490	1245

Wall light Reflector floor washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-WSF20WP15W	20	1798	44*72° P15	88*140:P15	1539	1539
SP120-WSF24WP15H	24	4463	32*54:P15	45*90:P15	2161	2161
SP120-WSF24WP15HW	24	2906	30*63:P15	80*160:P15	1703	1703

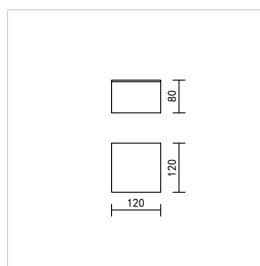
Wall light Lens version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-WS24WA10-LV	24	14308	9	20	2296	628
SP120-WS24WA15-LV	24	7524	18	34	2248	904
SP120-WS24WA24-LV	24	4284	22	40	2250	745
SP120-WS24WA36-LV	24	3078	39	64	2249	1377
SP120-WS24WA50-LV	24	1944	51	81	2172	1398
SP120-WS24WA0520-LV	24	18220	5*20		2311	901
SP120-WS24WA10-LV-RGBW	24	9300	9	20	1492	408
SP120-WS24WA15-LV-RGBW	24	4890	18	34	1461	587
SP120-WS24WA24-LV-RGBW	24	2784	22	40	1462	484
SP120-WS24WA36-LV-RGBW	24	2000	39	64	1461	895
SP120-WS24WA50-LV-RGBW	24	1263	51	81	1411	908

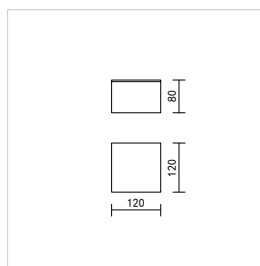
Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Ceiling downlight Reflector -Ultra narrow beam



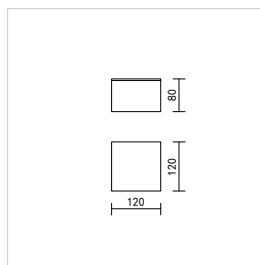
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-DSP15WA3Q6-SS	15	68123	3.2	5.7	840	249
SP120-DSP15WA4Q7-LV	15	76820	3.4	7.1	840	388

Ceiling downlight Reflector version



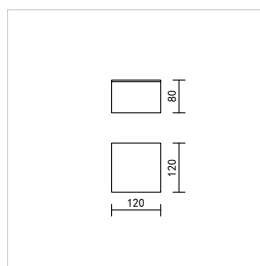
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-DSF16WA8Q16-LV	16	14166	8	16	927	364
SP120-DSF30WA13Q24-LV	30	14495	13	24	2265	1026
SP120-DSF30WA20Q36-LV	30	11869	20	36	2382	1596
SP120-DSF30WA32Q48-LV	30	5966	32	48	2333	1607
SP120-DSF30WA49Q68-LV	30	2160	49	68	2868	1233
SP120-DSF30WA1040-LV	30	7295	10°40		2225	1113
SP120-DSF30WA1060-LV	30	4580	10°60		2430	1215
SP120-DSF30WA1460-LV	30	3125	14°60		2610	1305
SP120-DSF30WA2063-LV	30	2355	20°63		2490	1245

Ceiling downlight Reflector wall washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-DSF20WP15W	20	971	44°72° P15	88°140:P15	980	980
SP120-DSF24WP15H	24	5375	32°54:P15	45°90:P15	2003	2003
SP120-DSF24WP15HW	24	1453	30°63:P15	80°160:P15	852	851

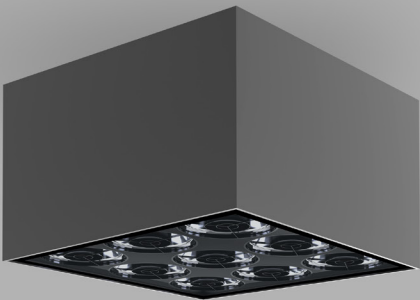
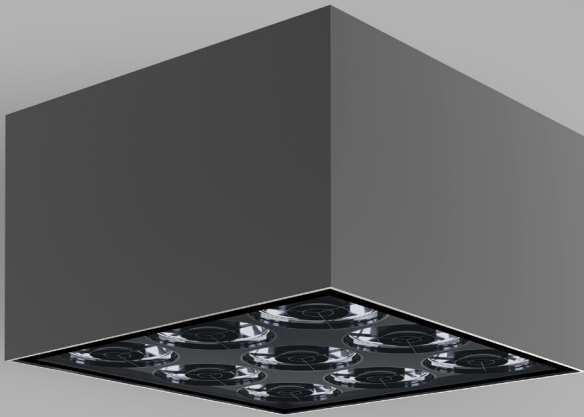
Ceiling downlight Lens version



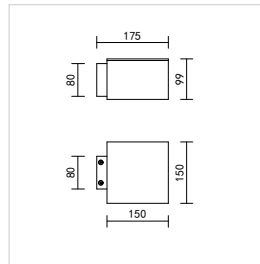
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-DS24WA10-LV	24	14308	9	20	2296	628
SP120-DS24WA15-LV	24	7524	18	34	2248	904
SP120-DS24WA24-LV	24	4284	22	40	2250	745
SP120-DS24WA36-LV	24	3078	39	64	2249	1377
SP120-DS24WA50-LV	24	1944	51	81	2172	1398
SP120-DS24WA0520-LV	24	18220	5°20		2311	901
SP120-DS24WA10-LV-RGBW	24	9300	9	20	1492	408
SP120-DS24WA15-LV-RGBW	24	4890	18	34	1461	587
SP120-DS24WA24-LV-RGBW	24	2784	22	40	1462	484
SP120-DS24WA36-LV-RGBW	24	2000	39	64	1461	895
SP120-DS24WA50-LV-RGBW	24	1263	51	81	1411	908

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Wall square / Ceiling square
150x150mm downlight

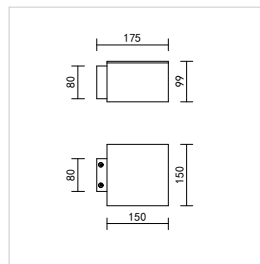
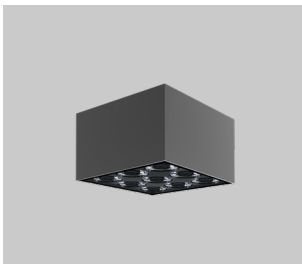


Wall light Reflector -Ultra narrow beam



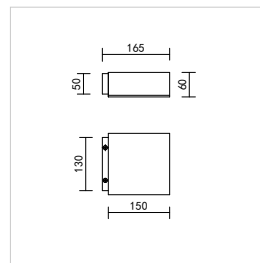
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-WSG48WA4Q7-BS	48	53359	3.8	7.2	2568	280
SP150-WSG48WA4Q9-SS	48	102442	4.6	9	2568	901

Wall light Reflector version



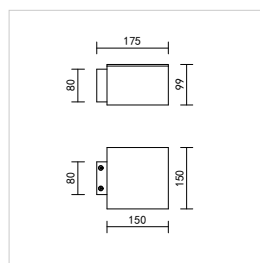
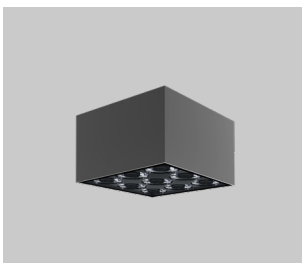
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-WSF48WA11Q21-LV	48	27225	11	21	3975	1486
SP150-WSF48WA16Q29-LV	48	22292	16	29	4248	2090
SP150-WSF48WA23Q37-LV	48	15262	23	37	4234	2322
SP150-WSF48WA33Q46-LV	48	10654	33	46	4176	3128
SP150-WSF48WA49Q77-LV	48	4486	49	77	4354	2904
SP150-WSF48WA1040-LV	48	11672	10°40		3560	1780
SP150-WSF48WA1060-LV	48	7328	10°60		3888	1944
SP150-WSF48WA1460-LV	48	5000	14°60		4176	2088
SP150-WSF48WA2063-LV	48	3768	20°63		3984	1992

Wall light Reflector floor washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
CW150-SF28WP15W	28	2517	44°72:P15	88°140:P15	3172	2155
CW150-SF28WP15H	28	5207	32°54:P15	45°90:P15	2520	2521
CW150-SF28WP15HW	28	3390	30°63:P15	80°160:P15	2967	1987

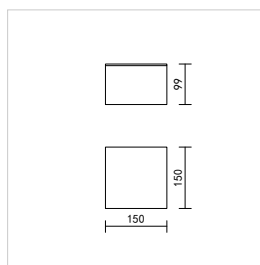
Wall light Lens version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-WS48WA10-LV	48	28620	9	20	4593	1252
SP150-WS48WA15-LV	48	15048	18	34	4500	1809
SP150-WS48WA24-LV	48	8568	22	40	4500	1489
SP150-WS48WA36-LV	48	6156	39	64	4499	2754
SP150-WS48WA50-LV	48	3888	51	81	4344	2797
SP150-WS48WA0520-LV	48	29152	5°20		3695	1441
SP150-WS48WA10-LV-RGBW	48	18603	9	20	2985	813
SP150-WS48WA15-LV-RGBW	48	9781	18	34	2925	1175
SP150-WS48WA24-LV-RGBW	48	5569	22	40	2925	967
SP150-WS48WA36-LV-RGBW	48	4001	39	64	2924	1790
SP150-WS48WA50-LV-RGBW	48	2527	51	81	2823	1818

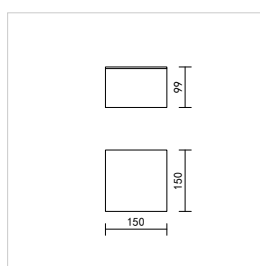
Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Ceiling downlight Reflector -Ultra narrow beam



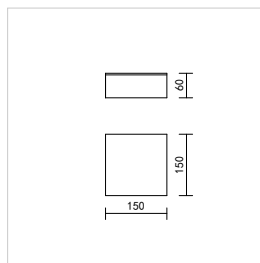
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-DSG48WA4Q7-BS	48	53359	3.8	7.2	2568	280
SP150-DSG48WA4Q9-SS	48	102442	4.6	9	2568	901

Ceiling downlight Reflector version



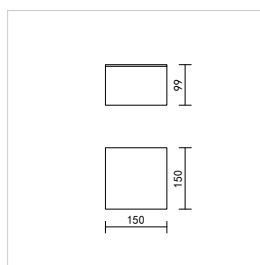
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-DSF48WA11Q21-LV	48	27225	11	21	3975	1486
SP150-DSF48WA16Q29-LV	48	22292	16	29	4248	2090
SP150-DSF48WA23Q37-LV	48	15262	23	37	4234	2322
SP150-DSF48WA33Q46-LV	48	10654	33	46	4176	3128
SP150-DSF48WA49Q77-LV	48	4486	49	77	4354	2904
SP150-DSF48WA1040-LV	48	11672	10°40		3560	1780
SP150-DSF48WA1060-LV	48	7328	10°60		3888	1944
SP150-DSF48WA1460-LV	48	5000	14°60		4176	2088
SP150-DSF48WA2063-LV	48	3768	20°63		3984	1992

Ceiling downlight Reflector wall washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-DSF28WP15W	28	2517	44°72:P15	88°140:P15	3172	2155
SP150-DSF28WP15H	28	5207	32°54:P15	45°90:P15	2520	2521
SP150-DSF28WP15HW	28	3390	30°63:P15	80°160:P15	2967	1987

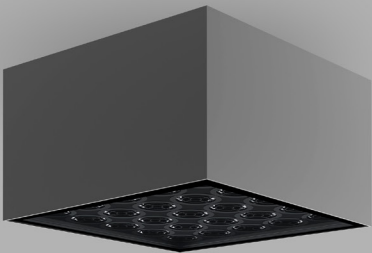
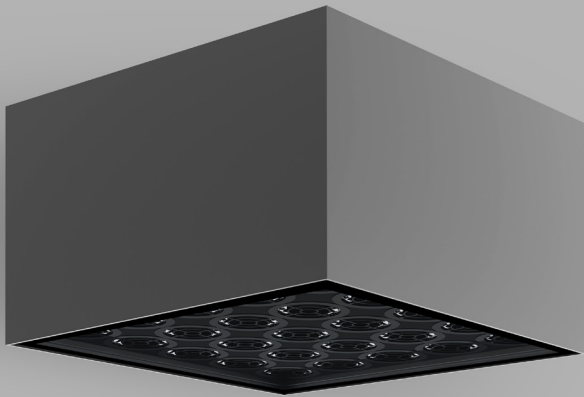
Ceiling downlight Lens version



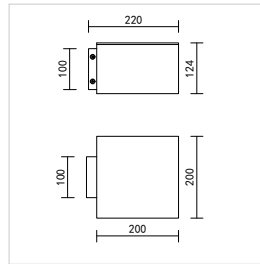
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-DS48WA10-LV	48	28620	9	20	4593	1252
SP150-DS48WA15-LV	48	15048	18	34	4500	1809
SP150-DS48WA24-LV	48	8568	22	40	4500	1489
SP150-DS48WA36-LV	48	6156	39	64	4499	2754
SP150-DS48WA50-LV	48	3888	51	81	4344	2797
SP150-DS48WA0520-LV	48	29152	5°20		3695	1441
SP150-DS48WA10-LV-RGBW	48	18603	9	20	2985	813
SP150-DS48WA15-LV-RGBW	48	9781	18	34	2925	1175
SP150-DS48WA24-LV-RGBW	48	5669	22	40	2925	967
SP150-DS48WA36-LV-RGBW	48	4001	39	64	2924	1790
SP150-DS48WA50-LV-RGBW	48	2527	51	81	2823	1818

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Wall square / Ceiling square
200x200mm downlight

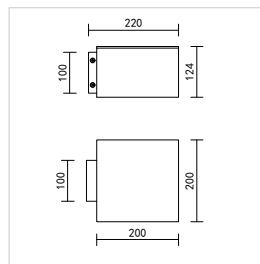


Wall light Reflector -Ultra narrow beam



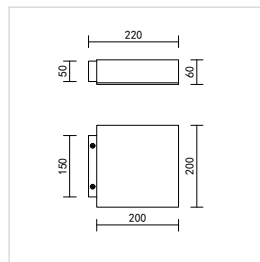
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-WSP72WA3Q6-SS	72	327184	3.5	6.4	4032	1195
SP200-WSP72WA4Q7-LV	72	368825	3.4	7.1	4032	1865

Wall light Reflector version



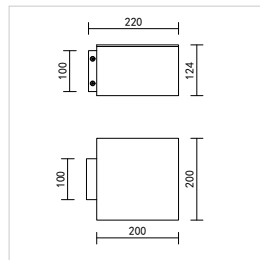
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-WSF72WA13Q24-LV	72	34788	13	24	5436	2424
SP200-WSF72WA20Q36-LV	72	28489	20	36	5276	3827
SP200-WSF72WA32Q48-LV	72	14316	32	48	5472	3852
SP200-WSF72WA49Q68-LV	72	6480	49	68	8604	3699
SP200-WSF72WA1040-LV	72	17508	10°40		5340	2670
SP200-WSF72WA1060-LV	72	10992	10°60		5832	2916
SP200-WSF72WA1460-LV	72	7500	14°60		6264	3132
SP200-WSF72WA2063-LV	72	5652	20°63		5976	2988

Wall light Reflector floor washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
CW200-SF48WP15W	48	4318	44°72:P15	88°140:P15	5434	3697
CW200-SF48WP15H	48	8922	32°54:P15	45°90:P15	4320	4319
CW200-SF48WP15HW	48	5812	30°63:P15	80°160:P15	5087	3406

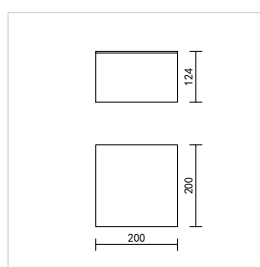
Wall light Lens version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-WS60WA10-LV	60	35770	9	20	5740	1570
SP200-WS60WA15-LV	60	18810	18	34	5620	2260
SP200-WS60WA24-LV	60	10710	22	40	5630	1860
SP200-WS60WA36-LV	60	7700	39	64	5620	3440
SP200-WS60WA50-LV	60	4860	51	81	5430	3500
SP200-WS60WA0520-LV	60	43728	5°20		5546	2163
SP200-WS60WA10-LV-RGBW	80	23250	9	20	3731	1020
SP200-WS60WA15-LV-RGBW	80	12226	18	34	3653	1469
SP200-WS60WA24-LV-RGBW	80	6961	22	40	3659	1209
SP200-WS60WA36-LV-RGBW	80	5005	39	64	3653	2236
SP200-WS60WA50-LV-RGBW	80	3159	51	81	3529.5	2275

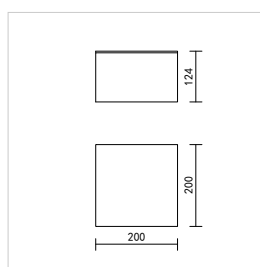
Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Ceiling downlight Reflector -Ultra narrow beam



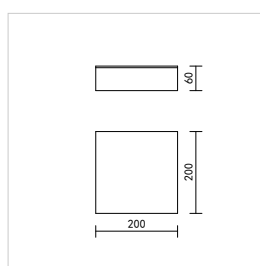
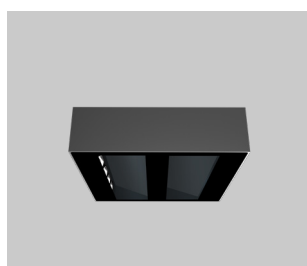
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-DSP72WA3Q6-SS	72	327184	3.5	6.4	4032	1195
SP200-DSP72WA4Q7-LV	72	368825	3.4	7.1	4032	1865

Ceiling downlight Reflector version



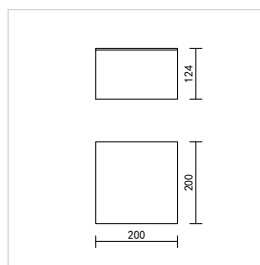
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-DSF72WA13Q24-LV	72	34788	13	24	5436	2424
SP200-DSF72WA20Q36-LV	72	28489	20	36	5276	3827
SP200-DSF72WA32Q48-LV	72	14316	32	48	5472	3852
SP200-DSF72WA49Q68-LV	72	6480	49	68	8604	3699
SP200-DSF72WA1040-LV	72	17508	10°40		5340	2670
SP200-DSF72WA1060-LV	72	10992	10°60		5832	2916
SP200-DSF72WA1460-LV	72	7500	14°60		6264	3132
SP200-DSF72WA2063-LV	72	5652	20°63		5976	2988

Ceiling downlight Reflector wall washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-DSF48WP15W	48	4318	44°72:P15	88°140:P15	5434	3697
SP200-DSF48WP15H	48	8922	32°54:P15	45°90:P15	4320	4319
SP200-DSF48WP15HW	48	5812	30°63:P15	80°160:P15	5087	3406

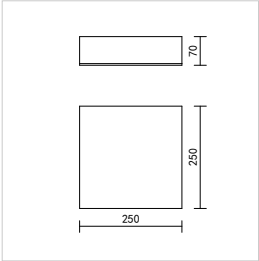
Ceiling downlight Lens version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-DS60WA10-LV	60	35770	9	20	5740	1570
SP200-DS60WA15-LV	60	18810	18	34	5620	2260
SP200-DS60WA24-LV	60	10710	22	40	5630	1860
SP200-DS60WA36-LV	60	7700	39	64	5620	3440
SP200-DS60WA50-LV	60	4860	51	81	5430	3500
SP200-DS72WA0520-LV	72	43728	5°20		5546	2163
SP200-DS60WA10-LV-RGBW	80	23250	9	20	3731	1020
SP200-DS60WA15-LV-RGBW	80	12226	18	34	3653	1469
SP200-DS60WA24-LV-RGBW	80	6961	22	40	3659	1209
SP200-DS60WA36-LV-RGBW	80	5005	39	64	3653	2236
SP200-DS60WA50-LV-RGBW	80	3159	51	81	3529.5	2275

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Ceiling downlight
Reflector wall washer

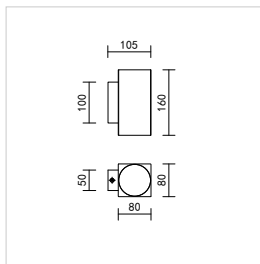


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP250-DSF72WP15W	72	6476	44°72:P15	88°140:P15	8152	5544
SP250-DSF72WP15H	72	13383	32°54:P15	45°90:P15	6480	6479
SP250-DSF72WP15HW	72	8719	30°63:P15	80°160:P15	7630	5109

Wall square
80x80mm Up-down light

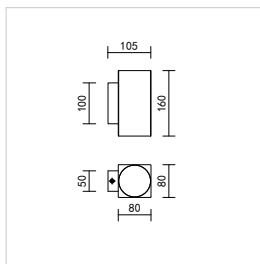


Wall Up-down light Reflector version



CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-WSF2*8WA13Q27	2*8		13	27		
SP80-WSF2*8WA22Q35	2*8		22	35		
SP80-WSF2*8WA34Q47	2*8		34	47		
SP80-WSF2*8WA49Q77	2*8		49	77		
SP80-WSF2*6WP15H	2*6		32°54:P15	45°90:P15		

Wall Up-down light Lens version



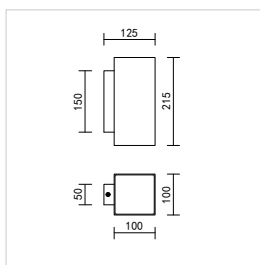
CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-WS2*8WA10	2*8		10			
SP80-WS2*8WA15	2*8		15			
SP80-WS2*8WA24	2*8		24			
SP80-WS2*8WA36	2*8		36			
SP80-WS2*8WA50	2*8		50			
SP80-WS2*8WA10-RGBW	2*8		10			
SP80-WS2*8WA15-RGBW	2*8		15			
SP80-WS2*8WA24-RGBW	2*8		24			
SP80-WS2*8WA36-RGBW	2*8		36			
SP80-WS2*8WA50-RGBW	2*8		50			

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Wall square
100x100mm Up-down light

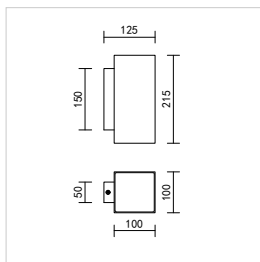


Wall Up-down light Reflector version



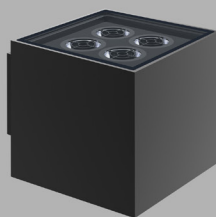
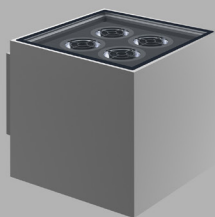
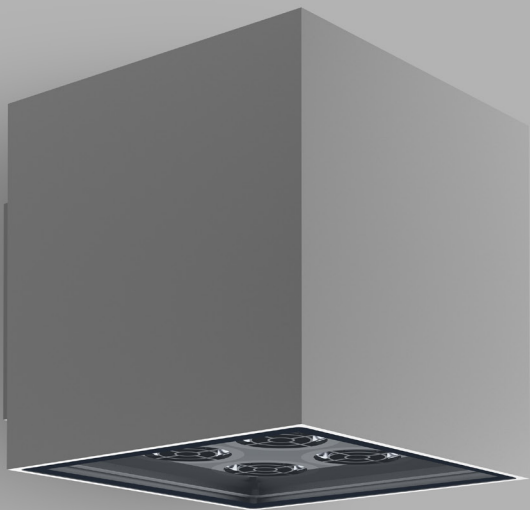
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-WSP2*3WA1Q3-BS	2*3		1.2	3.2		
SP100-WSP2*3WA2Q3-SS	2*3		1.7	3.7		
SP100-WSG2*5WA2Q6-LV	2*5		2.4	6.4		
SP100-WSH2*9WA3Q5-BS	2*9		2.8	5.2		
SP100-WSH2*9WA4Q11-SS	2*9		3.7	11.2		
SP100-WSF2*9WA8Q16-LV	2*9		8	16		
SP100-WSF2*9WA12Q24-LV	2*9		12	24		
SP100-WSF2*9WA17Q30-LV	2*9		17	30		
SP100-WSF2*9WA20Q35-LV	2*9		20	35		
SP100-WSF2*9WA30Q46-LV	2*9		30	46		
SP100-WSF2*9WA48Q70-LV	2*9		48	70		

Wall Up-down light Lens version

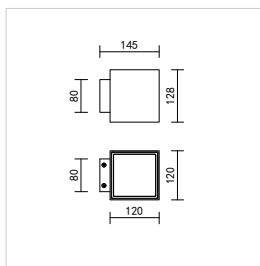


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-WS2*9WA10-LV	2*9		10			
SP100-WS2*9WA15-LV	2*9		15			
SP100-WS2*9WA24-LV	2*9		24			
SP100-WS2*9WA36-LV	2*9		36			
SP100-WS2*9WA50-LV	2*9		50			
SP100-WS2*9WA15-LV-RGBW	2*9		15			
SP100-WS2*9WA24-LV-RGBW	2*9		24			
SP100-WS2*9WA36-LV-RGBW	2*9		36			
SP100-WS2*9WA50-LV-RGBW	2*9		50			

Wall square
120x120mm Up-down light

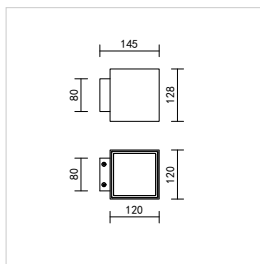


Wall Up-down light Reflector version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-WSF2*12WA3Q6-BS	2*12		3.5	6.4		
SP120-WSF2*12WA4Q8-SS	2*12		3.7	7.5		
SP120-WSF2*12WA8Q16-LV	2*12		11	21		
SP120-WSF2*12WA13Q24-LV	2*12		17	32		
SP120-WSF2*12WA20Q36-LV	2*12		23	37		
SP120-WSF2*12WA32Q48-LV	2*12		36	51		
SP120-WSF2*12WA49Q68-LV	2*12		50	70		
SP120-WSF2*12WP15W	2*12		44*72:P15	88*140:P15		
SP120-WSF2*12WP15H	2*12		32*54:P15	45*90:P15		
SP120-WSF2*12WP15HW	2*12		30*63:P15	80*160:P15		

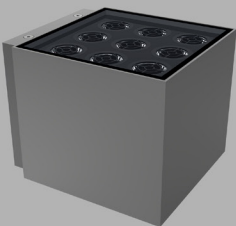
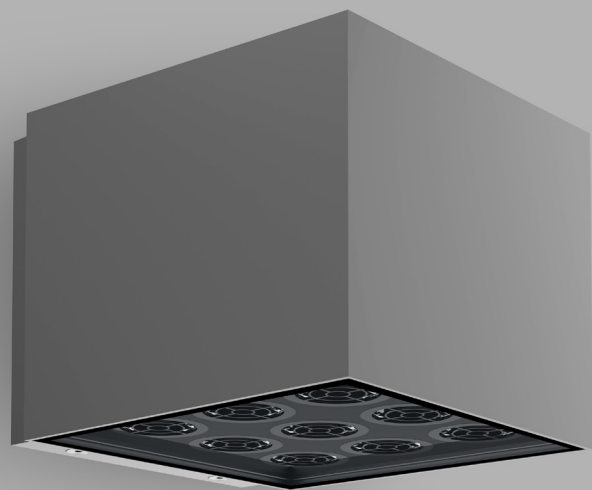
Wall Up-down light Lens version



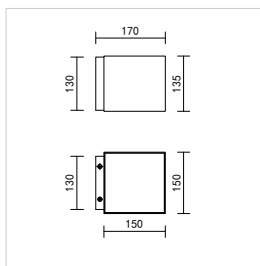
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-WS2*12WA10-LV	2*12		10			
SP120-WS2*12WA15-LV	2*12		15			
SP120-WS2*12WA24-LV	2*12		24			
SP120-WS2*12WA36-LV	2*12		36			
SP120-WS2*12WA50-LV	2*12		50			
SP120-WS2*12WA10-LV-RGBW	2*12		10			
SP120-WS2*12WA15-LV-RGBW	2*12		15			
SP120-WS2*12WA24-LV-RGBW	2*12		24			
SP120-WS2*12WA36-LV-RGBW	2*12		36			
SP120-WS2*12WA50-LV-RGBW	2*12		50			

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Wall square
150x150mm Up-down light

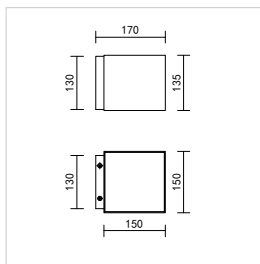


Wall Up-down light Reflector version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-WSP2*18WA3Q5-BS	2*18		3.4	5.4		
SP150-WSP2*18WA3Q7-SS	2*18		3.4	7.4		
SP150-WSF2*24WA11Q21-LV	2*24		11	21		
SP150-WSF2*24WA16Q29-LV	2*24		17	32		
SP150-WSF2*24WA23Q37-LV	2*24		23	37		
SP150-WSF2*24WA33Q46-LV	2*24		36	51		
SP150-WSF2*24WA49Q77-LV	2*24		50	70		
SP150-WSF2*24WP15W	2*24		44*72:P15	88*140:P15		
SP150-WSF2*24WP15H	2*24		32*54:P15	45*90:P15		
SP150-WSF2*24WP15HW	2*24		30*63:P15	80*160:P15		

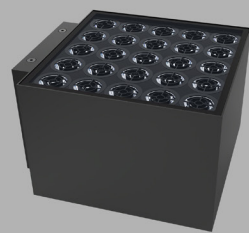
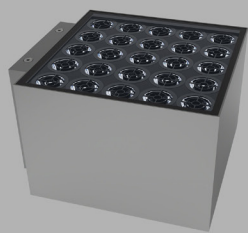
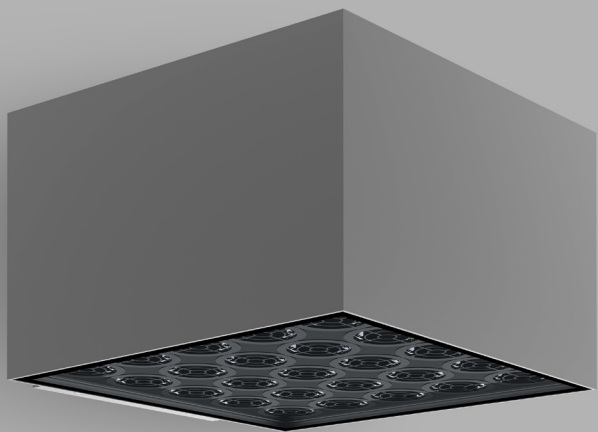
Wall Up-down light Lens version



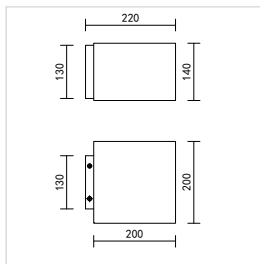
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-WS2*24WA10-LV	2*24		10			
SP150-WS2*24WA15-LV	2*24		15			
SP150-WS2*24WA24-LV	2*24		24			
SP150-WS2*24WA36-LV	2*24		36			
SP150-WS2*24WA50-LV	2*24		50			
SP150-WS2*24WA15-LV-RGBW	2*24		15			
SP150-WS2*24WA24-LV-RGBW	2*24		24			
SP150-WS2*24WA36-LV-RGBW	2*24		36			
SP150-WS2*24WA50-LV-RGBW	2*24		50			

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Wall square
200x200mm Up-down light

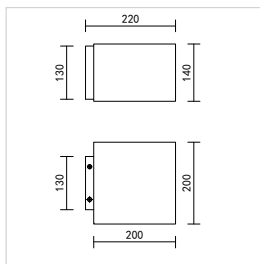


Wall Up-down light Reflector version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-WSP2*27WA3Q6-SS	2*27		3	6		
SP200-WSP2*27WA4Q7-LV	2*27		4	7		
SP200-WSF2*36WA8Q16-LV	2*36		8	16		
SP200-WSF2*36WA13Q24-LV	2*36		13	24		
SP200-WSF2*36WA20Q36-LV	2*36		20	36		
SP200-WSF2*36WA32Q48-LV	2*36		32	48		
SP200-WSF2*36WA49Q68-LV	2*36		49	68		
SP200-WSF2*36WP15W	2*36		44*72:P15	88*140:P15		
SP200-WSF2*36WP15H	2*36		32*54:P15	45*90:P15		
SP200-WSF2*36WP15HW	2*36		30*63:P15	80*160:P15		

Wall Up-down light Lens version

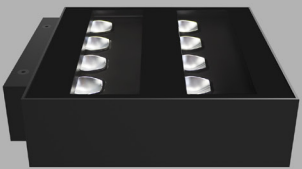


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-WS2x36WA10-LV	2*36		10			
SP200-WS2x36WA15-LV	2*36		15			
SP200-WS2x36WA24-LV	2*36		24			
SP200-WS2x36WA36-LV	2*36		36			
SP200-WS2x36WA50-LV	2*36		50			
SP200-WS2x36WA10-LV-RGBW	2*36		10			
SP200-WS2x36WA15-LV-RGBW	2*36		15			
SP200-WS2x36WA24-LV-RGBW	2*36		24			
SP200-WS2x36WA36-LV-RGBW	2*36		36			
SP200-WS2x36WA50-LV-RGBW	2*36		50			

Wall square
150x150mm ceiling washer light

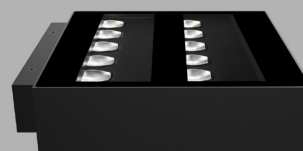
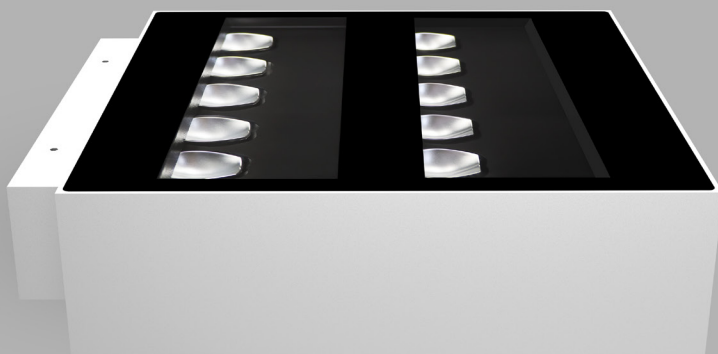


Wall square
200x200mm ceiling washer light

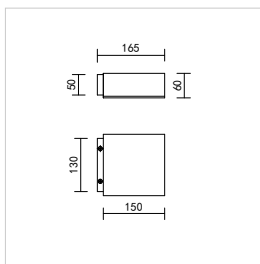


Wall square

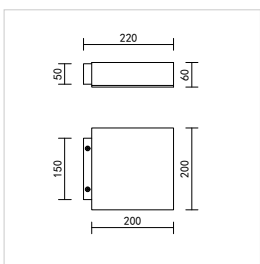
250x250mm ceiling washer light



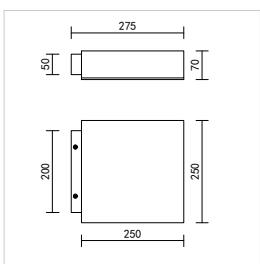
Ceiling washer Reflector version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
CW150-SF28WP15W	28	2517	44°72:P15	88°140:P15	3172	2155
CW150-SF28WP15H	28	5207	32°54:P15	45°90:P15	2520	2521
CW150-SF28WP15HW	28	3390	30°63:P15	80°160:P15	2967	1987

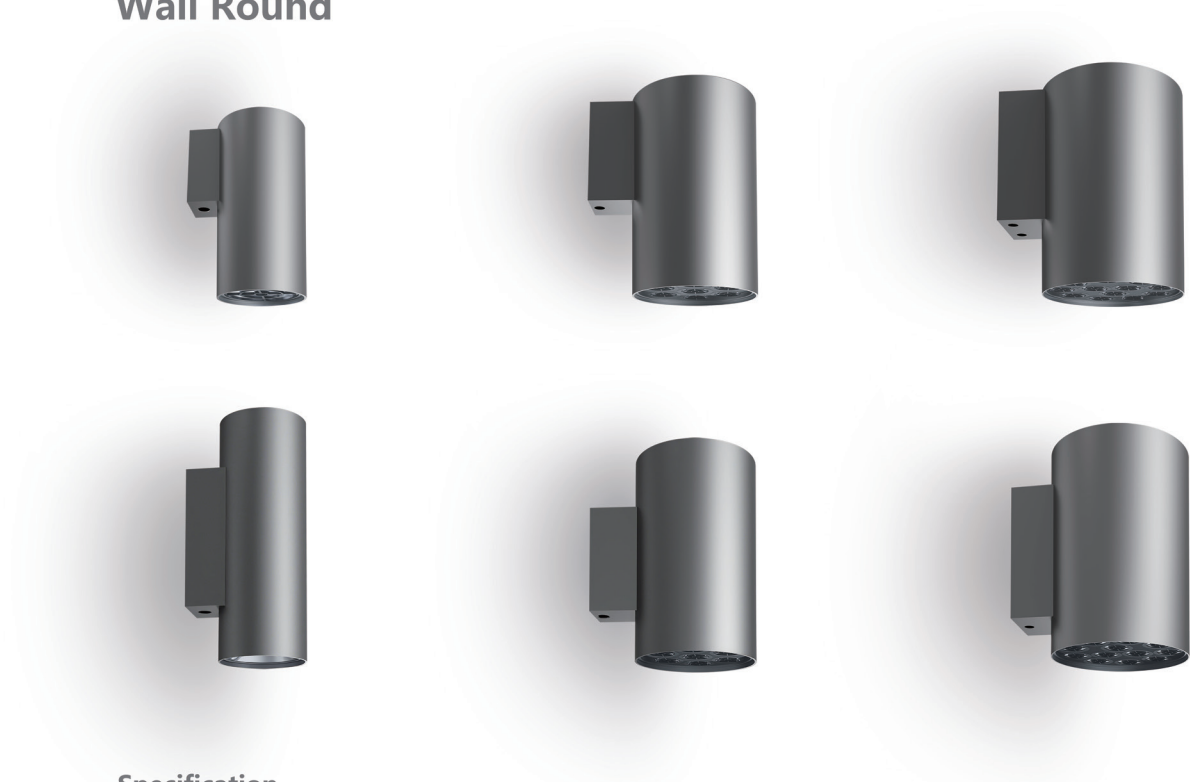


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
CW200-SF48WP15W	48	4318	44°72:P15	88°140:P15	5434	3697
CW200-SF48WP15H	48	8922	32°54:P15	45°90:P15	4320	4319
CW200-SF48WP15HW	48	5812	30°63:P15	80°160:P15	5087	3406



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
CW250-SF72WP15W	72	6476	44°72:P15	88°140:P15	8152	5544
CW250-SF72WP15H	72	13383	32°54:P15	45°90:P15	6480	6479
CW250-SF72WP15HW	72	8719	30°63:P15	80°160:P15	7630	5109

Wall Round



Specification

Luminaire body material: 6061 aluminum (processed by CNC technology);
Anti-glare louvers designed for different optics;
Surface color of luminaire: Matte gray, black, white;
IP rating: IP66;
IK rating: IK07;
Insulation class: Class I;
Surface temperature: < 55°;
Working temperature: -20°C~50°C;
Symmetrical light: 1°, 3°, 5°, 10°, 15°, 24°, 36°, 60°;
Multiple elliptical lenses are available, including 1×60°, 1×40°, 1×15°, 10×60°, 10×40°, and 15×60°.

Size

Downlight					
	15W D60mm	18W D80mm	24W D100mm	36W D130mm	48W D160mm
Up/down light					
	2*8W D60mm	2*9W D100mm	2*15W D130mm	2*24W D160mm	36/48W D180mm

Ceilling Round



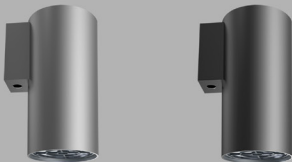
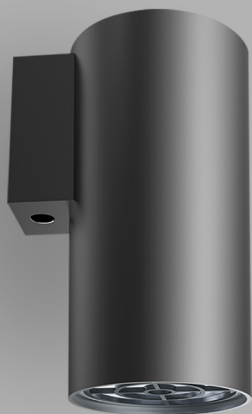
Specification

Luminaire body material: 6061 aluminum (processed by CNC technology);
Anti-glare louvers design for diffrent optics,High efficiency;
Surface color of luminaire: Matte gray、black、white;
Protection, Insulation & Performance Ratings;
IP rating: IP66;
IK rating: IK07;
Insulation class: Class I;
Surface temperature: < 55°;
Working temperature: -20°C~50°C;
Symmetrical light: 1°, 3°, 5°, 10°, 15°, 24°, 36°, 60°;
Multiple elliptical lenses are available, including 1*60°, 1*40°, 1*15°, 10*60°, 10*40°, and 15*60°.

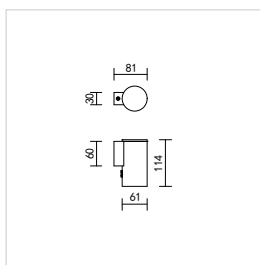
Size

Ceilling Downlight					
	15W D60mm	18W D80mm	24W D100mm	36W D130mm	48W D160mm

Wall round / ceiling round
D60mm downlight

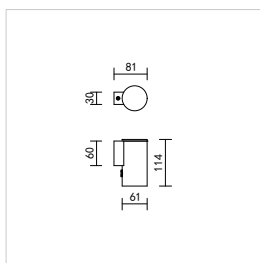


Wall light Reflector version



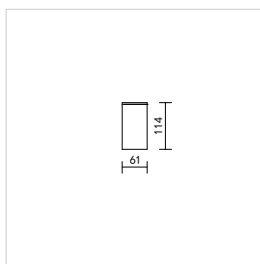
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP60-WF15WA13Q27-LV	15	8394	13	27	1350	90
SP60-WF15WA22Q35-LV	15	5801	22	35	1350	90
SP60-WF15WA34Q47-LV	15	3382	34	47	1350	90
SP60-WF15WA49Q77-LV	15	1475	49	77	1431	955
SP60-WF15WA1040-LV	15	3647	10°40		1113	556
SP60-WF15WA1060-LV	15	2290	10°60		1215	608
SP60-WF15WA1460-LV	15	1562	14°60		1305	653
SP60-WF15WA2063-LV	15	1177	20°63		1245	623

Wall light Lens version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP60-W15WA15-LV	15	4864	18	34	1455	585
SP60-W15WA24-LV	15	2769	22	41	1455	481
SP60-W15WA36-LV	15	1923	39	64	1455	851
SP60-W15WA50-LV	15	1256	51	81	1455	904
SP60-W15WA0520-LV	15	9110	5°20		1154	450
SP60-W15WA15-LV-RGBW	15	3162	18	34	946	380
SP60-W15WA24-LV-RGBW	15	1800	22	41	946	313
SP60-W15WA36-LV-RGBW	15	1250	39	64	946	553
SP60-W15WA50-LV-RGBW	15	816	51	81	946	588

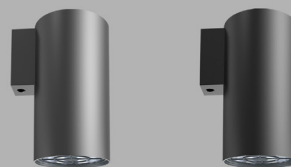
Ceiling downlight Reflector version



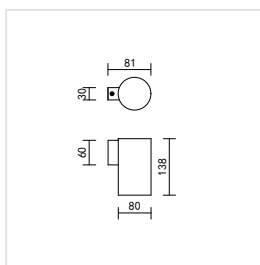
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP60-DF15WA13Q27-LV	15	8394	13	27	1350	604
SP60-DF15WA22Q35-LV	15	5801	22	35	1350	857
SP60-DF15WA34Q47-LV	15	3382	34	47	1350	1006
SP60-DF15WA49Q77-LV	15	1475	49	77	1431	955
SP60-DF15WA1040-LV	15	3647	10°40		1113	556
SP60-DF15WA1060-LV	15	2290	10°60		1215	608
SP60-DF15WA1460-LV	15	1562	14°60		1305	653
SP60-DF15WA2063-LV	15	1177	20°63		1245	623

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Wall round / ceiling round
D80mm downlight

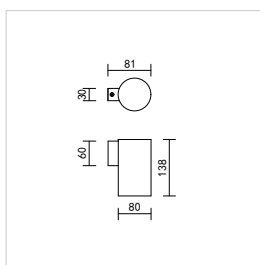


Wall light Reflector -Ultra narrow beam



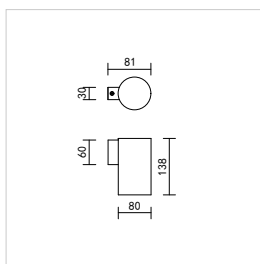
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-WP3WA1Q3-BS	3	12368	1.2	3.2	175	12
SP80-WP3WA2Q6-SS	3	20079	2	5.6	175	58
SP80-WP3WA3Q6-SS	3	30923	2.6	6.2	175	127
SP80-WG5WA2Q7-LV	5	26240	2	7.1	242	123
SP80-WH9WA3Q6-BS	9	12320	3.1	6	447	53
SP80-WH9WA4Q7-SS	9	18349	3.5	7	427	90

Wall light Reflector version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-WF18WA12Q24-LV	18	12802	12	24	1646	729
SP80-WF18WA17Q30-LV	18	9157	17	30	1602	869
SP80-WF18WA20Q35-LV	18	8682	20	35	1569	1114
SP80-WF18WA30Q46-LV	18	5149	30	46	1542.5	1300
SP80-WF18WA48Q70-LV	18	1583	48	70	1481	921
SP80-WF18WA1040-LV	18	4377	10°40		1335	668
SP80-WF18WA1060-LV	18	2748	10°60		1458	729
SP80-WF18WA1460-LV	18	1875	14°60		1566	783
SP80-WF18WA2063-LV	18	1413	20°63		1494	747

Wall light Reflector version wall washer

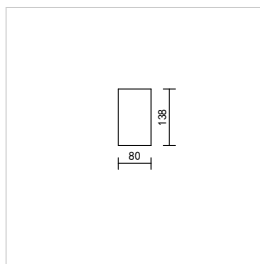


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-WF12WP15W	12	1080	44°72° P15	88°140:P15	925	925
SP80-WF12WP15H	12	2232	32°54:P15	45°90:P15	1080	1080
SP80-WF12WP15HW	12	1453	30°63:P15	80°160:P15	852	852

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Ceiling downlight

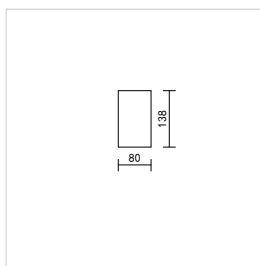
Reflector -Ultra narrow beam



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-DP3WA1Q3-BS	3	12368	1.2	3.2	175	12
SP80-DP3WA2Q6-SS	3	20079	2	5.6	175	58
SP80-DG5WA2Q7-LV	5	26240	2	7.1	242	123
SP80-DH9WA3Q6-BS	9	12320	3.1	6	447	53
SP80-DH9WA4Q7-SS	9	18349	3.5	7	427	90

Ceiling downlight

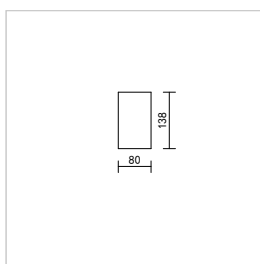
Reflector version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-DF18WA12Q24-LV	18	12802	12	24	1646	726
SP80-DF18WA17Q30-LV	18	9157	17	30	1602	869
SP80-DF18WA20Q35-LV	18	8682	20	35	1569	1114
SP80-DF18WA30Q46-LV	18	5149	30	46	1543	1300
SP80-DF18WA48Q70-LV	18	1583	48	70	1481	921
SP80-DF18WA1040-LV	18	8754	10°40		1335	668
SP80-DF18WA1060-LV	18	5496	10°60		1458	729
SP80-DF18WA1460-LV	18	3750	14°60		1566	783
SP80-DF18WA2063-LV	18	2826	20°63		1494	747

Ceiling downlight

Reflector wall washer



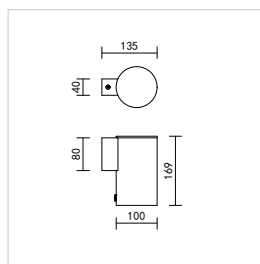
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-DF8WP15W	8	388	44°72:P15	88°140:P15	392	392
SP80-DF12WP15H	12	2687	32°54:P15	45°90:P15	1001	1001
SP80-DF8WP15HW	8	484	30°63:P15	80°160:P15	284	284

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Wall round / ceiling round
D100mm downlight

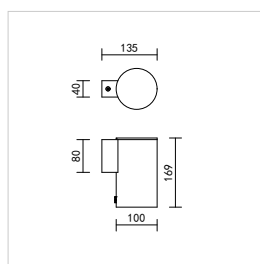


Wall light Reflector -Ultra narrow beam



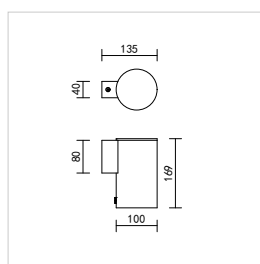
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-WP12WA3Q6-SS	12	54498	3.2	5.7	672	199
SP100-WP12WA4Q7-LV	12	61434	3.4	7.1	672	311

Wall light Reflector version



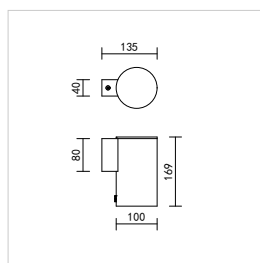
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-WF16WA8Q16-LV	16	14166	8	16	927	364
SP100-WF24WA13Q24-LV	24	11574	13	24	1808	807
SP100-WF24WA20Q36-LV	24	9506	20	36	1911	1277
SP100-WF24WA32Q48-LV	24	4773	32	48	1866	1285
SP100-WF24WA49Q68-LV	24	2160	49	68	2868	1233
SP100-WF24WA1040-LV	24	5836	10*40		1780	890
SP100-WF24WA1060-LV	24	3664	10*60		1944	972
SP100-WF24WA1460-LV	24	2500	14*60		2088	1044
SP100-WF24WA2063-LV	24	1884	20*63		1992	996

Wall light Reflector version wall washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-WF16WP15W	16	1438	44*72:P15	88*140:P15	1231	1231
SP100-WF24WP15H	24	4463	32*54:P15	45*90:P15	2161	2161
SP100-WF24WP15HW	24	2906	30*63:P15	80*160:P15	1703	1703

Wall light Lens version

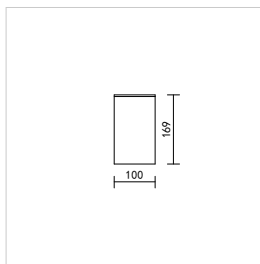


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-W24WA10-LV	24	14308	9	20	2296	628
SP100-W24WA15-LV	24	7524	18	34	2248	904
SP100-W24WA24-LV	24	4284	22	40	2250	745
SP100-W24WA36-LV	24	3078	39	64	2249	1377
SP100-W24WA50-LV	24	1944	51	81	2172	1398
SP100-W24WA0520-LV	24	14575	5*20		1849	721
SP100-W24WA10-LV-RGBW	24	9300	9	20	1492	408
SP100-W24WA15-LV-RGBW	24	4890	18	34	1461	587
SP100-W24WA24-LV-RGBW	24	2784	22	40	1462	484
SP100-W24WA36-LV-RGBW	24	2000	39	64	1461	895
SP100-W24WA50-LV-RGBW	24	1263	51	81	1411	908

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60° to 10° , and the useful efficiency lost approximately 25%-30%.

Ceiling downlight

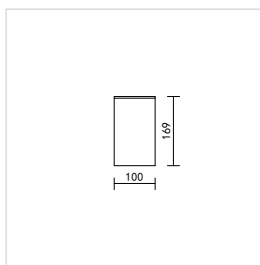
Reflector -Ultra narrow beam



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-DP12WA3Q6-SS	12	54498	3.2	5.7	672	199
SP100-DP12WA4Q7-LV	12	61434	3.4	7.1	672	311

Ceiling downlight

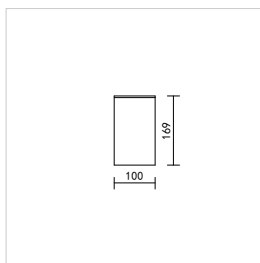
Reflector version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-DF16WA8Q16-LV	16	14166	8	16	927	364
SP100-DF24WA13Q24-LV	24	11574	13	24	1808	807
SP100-DF24WA20Q36-LV	24	9506	20	36	1911	1277.3
SP100-DF24WA32Q48-LV	24	4773	32	48	1866	1285
SP100-DF24WA49Q68-LV	24	2160	49	68	2868	1233.0
SP100-DF24WA1040-LV	24	5836	10°40		1780	890
SP100-DF24WA1060-LV	24	3664	10°60		1944	972
SP100-DF24WA1460-LV	24	2500	14°60		2088	1044
SP100-DF24WA2063-LV	24	1884	20°63		1992	996

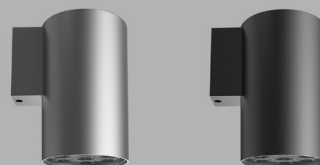
Ceiling downlight

Reflector wall washer



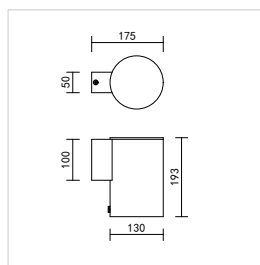
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-DF16WP15W	16	776	44°72: P15	88°140: P15	784	784
SP100-DF24WP15H	24	5375	32°54: P15	45°90: P15	2003	2003
SP100-DF16WP15HW	16	969	30°63: P15	80°160: P15	568	568

Wall round / ceiling round
D130mm downlight



Wall light

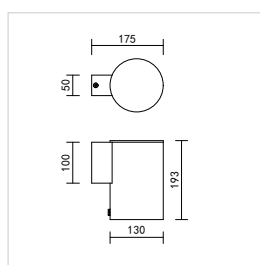
Reflector -Ultra narrow beam



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP135-WP21WA3Q6-SS	21	96800	3.2	5.7	1176	353
SP135-WP21WA4Q7-LV	21	109120	3.4	7.1	1176	552

Wall light

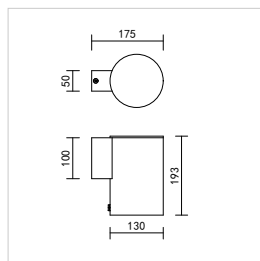
Reflector version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP135-WF28WA8Q16-LV	28	14166	8	16	1623	638
SP135-WF36WA13Q24-LV	36	17312	13	24	2704	1207
SP135-WF36WA20Q36-LV	36	14245	20	36	2863.0	1913
SP135-WF36WA32Q48-LV	36	7160	32	48	2799	1928
SP135-WF36WA49Q68-LV	36	3240	49	68	4302.0	1849
SP135-WF36WA1040-LV	36	8755	10*40		2670	1335
SP135-WF36WA1060-LV	36	5496	10*60		2916	1458
SP135-WF36WA1460-LV	36	3750	14*60		3132	1566
SP135-WF36WA2063-LV	36	2826	20*63		2988	1494

Wall light

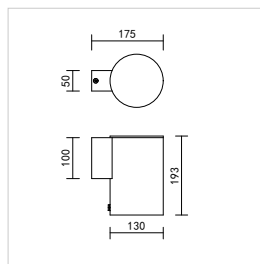
Reflector wall washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP135-WF36WP15W	36	3238	44*72: P15	88*140:P15	2772	2772
SP135-WF36WP15H	36	6695	32*54:P15	45*90:P15	3241	3241
SP135-WF36WP15HW	36	4359	30*63:P15	80*160:P15	2555	2555

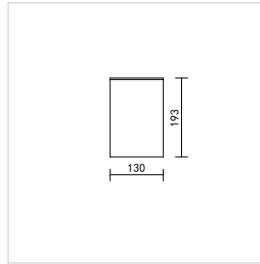
Wall light

Lens version



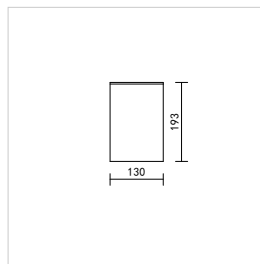
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP135-W36WA10-LV	36	54834	9	20	1926	942
SP135-W36WA15-LV	36	11286	18	34	3372	1356
SP135-W36WA24-LV	36	6426	22	40	3375	1117
SP135-W36WA36-LV	36	4617	39	64	3374	2066
SP135-W36WA50-LV	36	2916	51	81	3258	2098
SP135-W36WA0520-LV	36	21864	5*20		2772	1081
SP135-W36WA10-LV-RGBW	36	35642	9	20	1251	612
SP135-W36WA15-LV-RGBW	36	7335	18	34	2191	881
SP135-W36WA24-LV-RGBW	36	4176	22	40	2194	726
SP135-W36WA36-LV-RGBW	36	3001	39	64	2193	1342
SP135-W36WA50-LV-RGBW	36	1895	51	81	2117	1363

Ceiling downlight Reflector -Ultra narrow beam



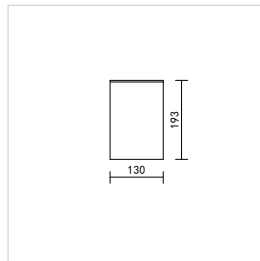
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP135-DP21WA3Q6-SS	21	96800	3.2	5.7	1176	353
SP135-DP21WA4Q7-LV	21	109120	3.4	7.1	1176	552

Ceiling downlight Reflector version



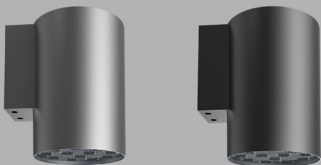
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP135-DF28WA8Q16-LV	28	14166	8	16	1623	638
SP135-DF36WA13Q24-LV	36	17312	13	24	2704	1207
SP135-DF36WA20Q36-LV	36	14245	20	36	2863	1913
SP135-DF36WA32Q48-LV	36	7160	32	48	2799	1928
SP135-DF36WA49Q68-LV	36	3240	49	68	4302	1849
SP135-DF36WA1040-LV	36	8755	10°40		2670	1335
SP135-DF36WA1060-LV	36	5496	10°60		2916	1458
SP135-DF36WA1460-LV	36	3750	14°60		3132	1566
SP135-DF36WA2063-LV	36	2826	20°63		2988	1494

Ceiling downlight Reflector wall washer



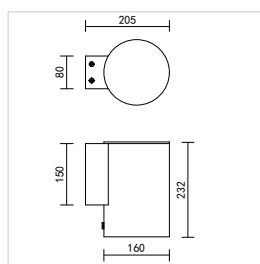
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP135-DF24WP15W	24	1164	44°72: P15	88°140: P15	1175	1175
SP135-DF36WP15H	36	8058	32°54: P15	45°90: P15	3003	3003
SP135-DF24WP15HW	24	1453	30°63: P15	80°160: P15	852	851.5

Wall round / ceiling round
D160mm downlight



Wall light

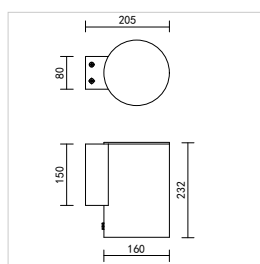
Reflector -Ultra narrow beam



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP160-WP36WA3Q6-SS	36	163592	3.2	5.7	2016	597
SP160-WP36WA4Q7-LV	36	184413	3.4	7.1	2016	932

Wall light

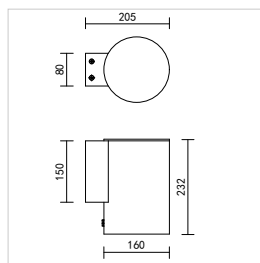
Reflector version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP160-WF48WA8Q16-LV	48	42498	8	16	2781	1094
SP160-WF48WA13Q24-LV	48	23099	13	24	3607	1610
SP160-WF48WA20Q36-LV	48	18973	20	36	3814	2549
SP160-WF48WA32Q48-LV	48	9526	32	48	3733	2565
SP160-WF48WA49Q68-LV	48	4320	49	68	5736	2466
SP160-WF48WA1040-LV	48	11672	10*40		3560	1780
SP160-WF48WA1060-LV	48	7328	10*60		3888	1944
SP160-WF48WA1460-LV	48	5000	14*60		4176	2088
SP160-WF48WA2063-LV	48	3768	20*63		3984	1992

Wall light

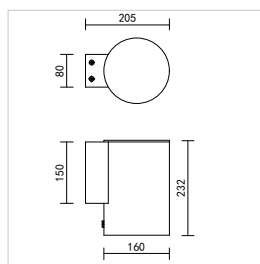
Reflector wall washer



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP160-WF48WP15W	48	4318	44*72: P15	88*140:P15	3697	3697
SP160-WF48WP15H	48	8922	32*54:P15	45*90:P15	4319	4319
SP160-WF48WP15HW	48	5812	30*63:P15	80*160:P15	3406	3406

Wall light

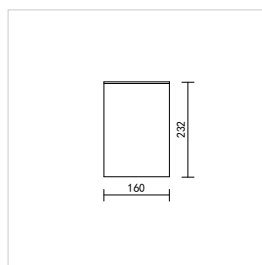
Lens version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP160-W48WA10-LV	48	28616	9	20	4593	1256
SP160-W48WA15-LV	48	15048	18	34	4496	1808
SP160-W48WA24-LV	48	8568	22	40	4500	1489
SP160-W48WA36-LV	48	6156	39	64	4499	2754
SP160-W48WA50-LV	48	3888	51	81	4344	2797
SP160-W48WA0520-LV	48	29152	5*20		3695	1441
SP160-W48WA10-LV-RGBW	48	18600	9	20	2985	816
SP160-W48WA15-LV-RGBW	48	9781	18	34	2922	1175
SP160-W48WA24-LV-RGBW	48	5569	22	40	2925	967
SP160-W48WA36-LV-RGBW	48	4001	39	64	2924	1790
SP160-W48WA50-LV-RGBW	48	2527	51	81	2823	1818

Ceiling downlight

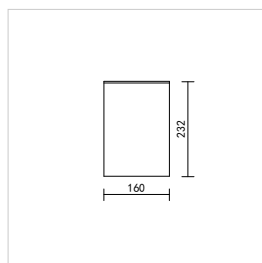
Reflector -Ultra narrow beam



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP160-DP36WA3Q6-SS	36	163592	3.2	5.7	2016	597
SP160-DP36WA4Q7-LV	36	184413	3.4	7.1	2016	932

Ceiling downlight

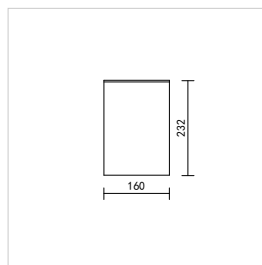
Reflector version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP160-DF48WA8Q16-LV	48	42498	8	16	2781	1094
SP160-DF48WA13Q24-LV	48	23099	13	24	3607	1610
SP160-DF48WA20Q36-LV	48	18973	20	36	3814	2549
SP160-DF48WA32Q48-LV	48	9526	32	48	3733	2565
SP160-DF48WA49Q68-LV	48	4320	49	68	5736	2466
SP160-DF48WA1040-LV	48	23344	10°40		3560	1780
SP160-DF48WA1060-LV	48	14656	10°60		3888	1944
SP160-DF48WA1460-LV	48	10000	14°60		4176	2088
SP160-DF48WA2063-LV	48	7536	20°63		3984	1992

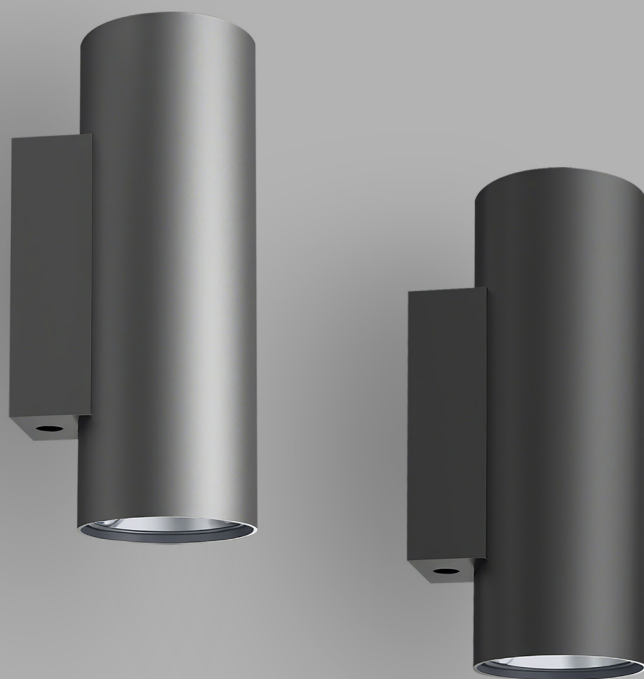
Ceiling downlight

Reflector wall washer

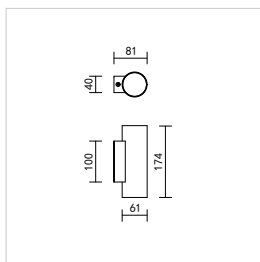


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP160-DF48WP15W	48	2323	44°72: P15	88°140:P15	2346	2346
SP160-DF48WP15H	48	10749	32°54:P15	45°90:P15	4006	4006
SP160-DF48WP15HW	48	2906	30°63:P15	80°160:P15	1703	1703

Wall round
D60mm Up-down light

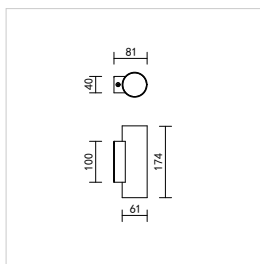


Wall Up-down light Lens version



CODE	WATT (W)	FWHM (°)	Without LOUVER (lm)	With LOUVER (lm)
SP60-W2*8WA10-LV	2*8	10		
SP60-W2*8WA15-LV	2*8	15		
SP60-W2*8WA24-LV	2*8	24		
SP60-W2*8WA36-LV	2*8	36		
SP60-W2*8WA50-LV	2*8	50		
SP60-W2*8WA15-LV-RGBW	2*8	15		
SP60-W2*8WA24-LV-RGBW	2*8	24		
SP60-W2*8WA36-LV-RGBW	2*8	36		
SP60-W2*8WA50-LV-RGBW	2*8	50		

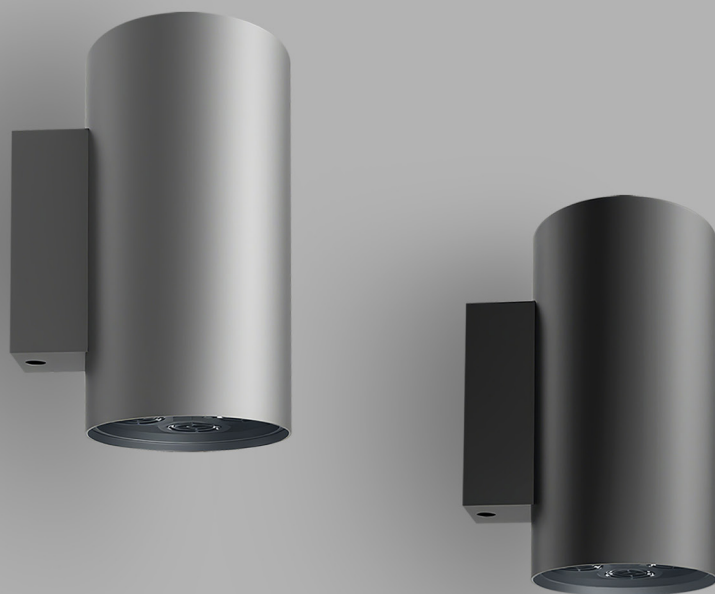
Wall Up-down light Reflector version



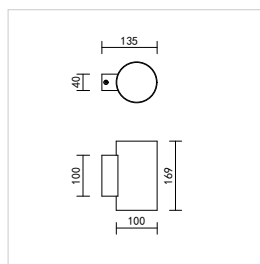
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP60-WF2*8WA13Q27-LV	2*8		13	27		
SP60-WF2*8WA22Q35-LV	2*8		22	35		
SP60-WF2*8WA34Q47-LV	2*8		34	47		
SP60-WF2*8WA49Q77-LV	2*8		49	77		

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Wall round
D100mm Up-down light

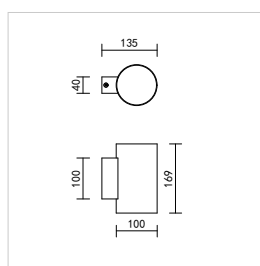


Wall Up-down light Lens version



CODE	WATT (W)	FWHM (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-W2*12WA10-LV	2*12	10		
SP100-W2*12WA15-LV	2*12	15		
SP100-W2*12WA24-LV	2*12	24		
SP100-W2*12WA36-LV	2*12	36		
SP100-W2*12WA50-LV	2*12	50		
SP100-W2*12WA10-LV-RGBW	2*12	10		
SP100-W2*12WA15-LV-RGBW	2*12	15		
SP100-W2*12WA24-LV-RGBW	2*12	24		
SP100-W2*12WA36-LV-RGBW	2*12	36		
SP100-W2*12WA50-LV-RGBW	2*12	50		

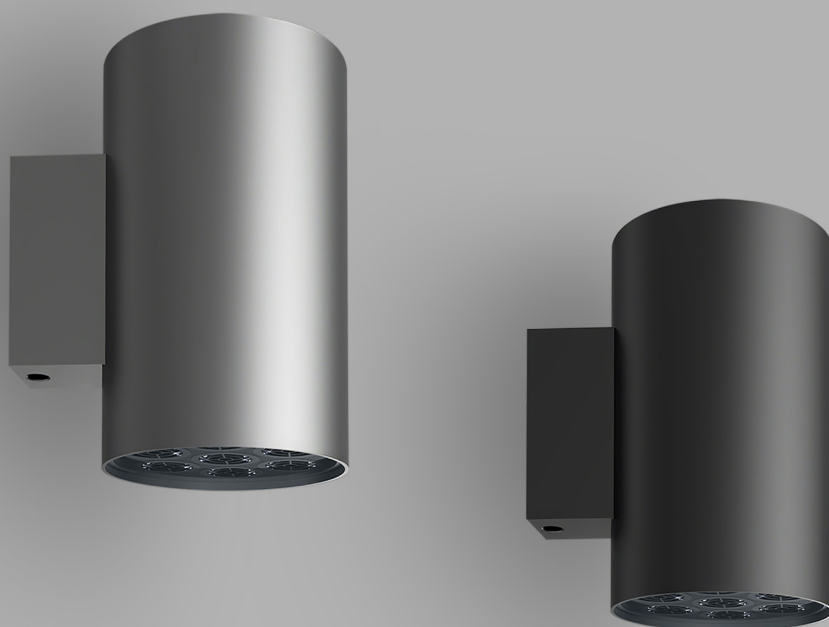
Wall Up-down light Reflector version



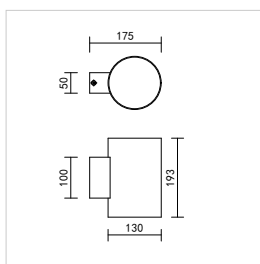
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-WP2*12WA3Q6-SS	2*12		3.4	6.2		
SP100-WP2*12WA4Q7-LV	2*12		3.7	7		
SP100-WF2*12WA8Q16-LV	2*12		8	16		
SP100-WF2*12WA13Q24-LV	2*12		13	24		
SP100-WF2*12WA20Q36-LV	2*12		20	36		
SP100-WF2*12WA32Q48-LV	2*12		32	48		
SP100-WF2*12WA49Q68-LV	2*12		49	68		

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Wall round
D130mm Up-down light

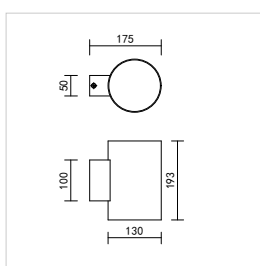


Wall Up-down light Lens version



CODE	WATT (W)	FWHM (°)	Without LOUVER (lm)	With LOUVER (lm)
SP135-W2*18WA10-LV	2*18	10		
SP135-W2*18WA15-LV	2*18	15		
SP135-W2*18WA24-LV	2*18	24		
SP135-W2*18WA36-LV	2*18	36		
SP135-W2*18WA50-LV	2*18	50		
SP135-W2*18WA10-LV-RGBW	2*18	10		
SP135-W2*18WA15-LV-RGBW	2*18	15		
SP135-W2*18WA24-LV-RGBW	2*18	24		
SP135-W2*18WA36-LV-RGBW	2*18	36		
SP135-W2*18WA50-LV-RGBW	2*18	50		

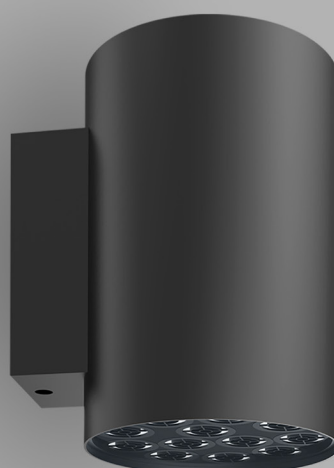
Wall Up-down light Reflector version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP135-WP2*18WA3Q6-SS	2*18		3.4	6.2		
SP135-WP2*18WA4Q7-LV	2*18		3.7	7		
SP135-WF2*18WA8Q16-LV	2*18		8	16		
SP135-WF2*18WA13Q24-LV	2*18		13	24		
SP135-WF2*18WA20Q36-LV	2*18		20	36		
SP135-WF2*18WA32Q48-LV	2*18		32	48		
SP135-WF2*18WA49Q68-LV	2*18		49	68		

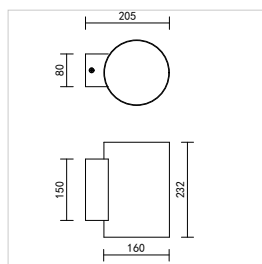
Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Wall round
D160mm Up-down light



Wall Up-down light

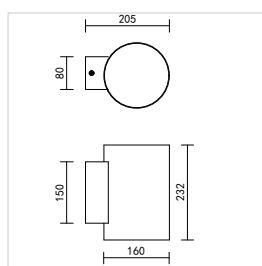
Lens version



CODE	WATT (W)	FWHM (°)	Without LOUVER (lm)	With LOUVER (lm)
SP160-W2*24WA10-LV	2*24	10		
SP160-W2*24WA15-LV	2*24	15		
SP160-W2*24WA24-LV	2*24	24		
SP160-W2*24WA36-LV	2*24	36		
SP160-W2*24WA50-LV	2*24	50		
SP160-W2*24WA10-LV-RGBW	2*24	10		
SP160-W2*24WA15-LV-RGBW	2*24	15		
SP160-W2*24WA24-LV-RGBW	2*24	24		
SP160-W2*24WA36-LV-RGBW	2*24	36		
SP160-W2*24WA50-LV-RGBW	2*24	50		

Wall Up-down light

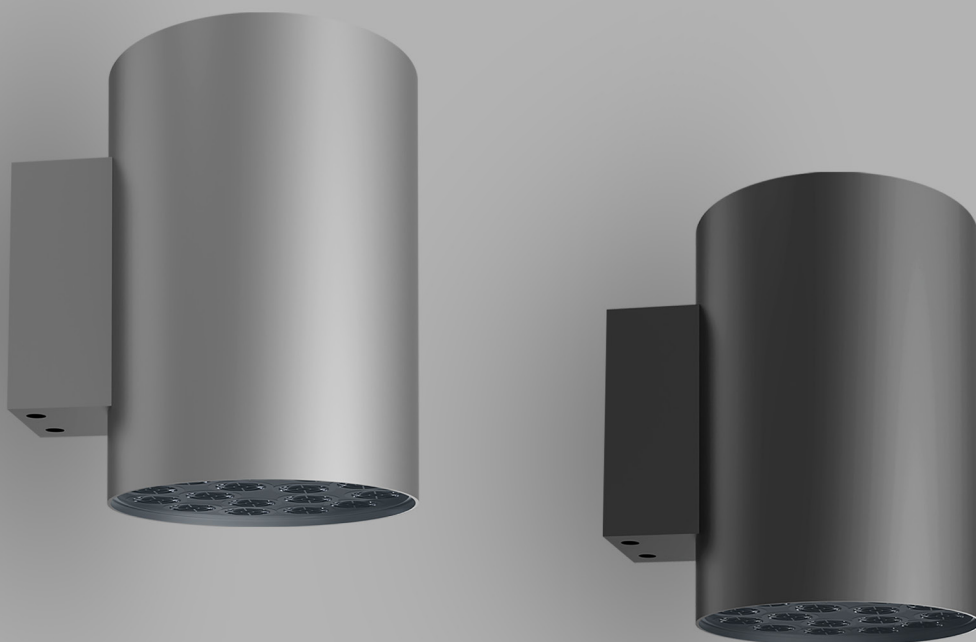
Reflector version



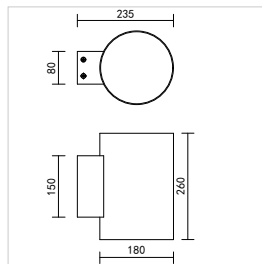
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP160-WP2*21WA3Q6-SS	2*21		3.4	6.2		
SP160-WP2*21WA4Q7-LV	2*21		3.7	7		
SP160-WF2*24WA8Q16-LV	2*24		8	16		
SP160-WF2*24WA13Q24-LV	2*24		13	24		
SP160-WF2*24WA20Q36-LV	2*24		20	36		
SP160-WF2*24WA32Q48-LV	2*24		32	48		
SP160-WF2*24WA49Q68-LV	2*24		49	68		

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

Wall round
D160mm Up-down light

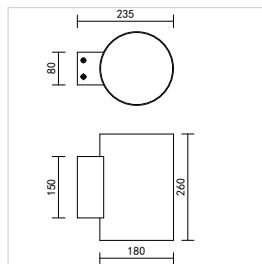


Wall Up-down light Lens version



CODE	WATT (W)	FWHM (°)	Without LOUVER (lm)	With LOUVER (lm)
SP180-W2*30WA10-LV	2*30	10		
SP180-W2*30WA15-LV	2*30	15		
SP180-W2*30WA24-LV	2*30	24		
SP180-W2*30WA36-LV	2*30	36		
SP180-W2*30WA50-LV	2*30	50		
SP180-W2*30WA10-LV-RGBW	2*30	10		
SP180-W2*30WA15-LV-RGBW	2*30	15		
SP180-W2*30WA24-LV-RGBW	2*30	24		
SP180-W2*30WA36-LV-RGBW	2*30	36		
SP180-W2*30WA50-LV-RGBW	2*30	50		

Wall Up-down light Reflector version



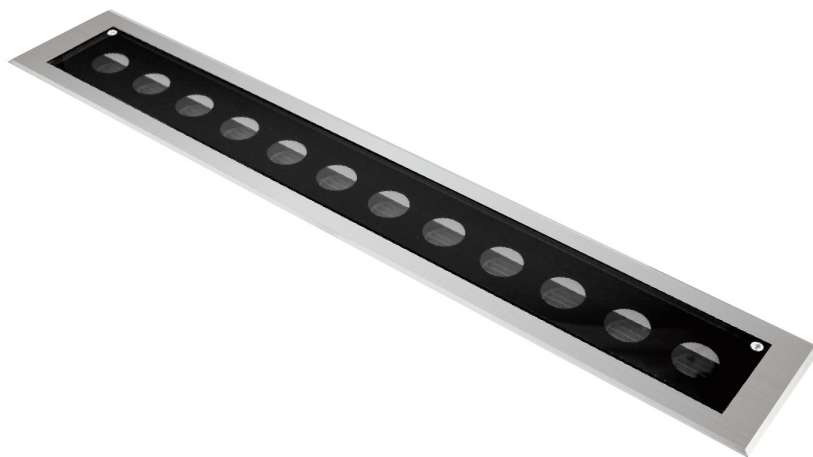
CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP180-2*30WA3Q6-SS	2*30		3.4	6.2		
SP180-2*30WA4Q7-LV	2*30		3.7	7		
SP180-2*30WA8Q16-LV	2*30		8	16		
SP180-2*30WA13Q24-LV	2*30		13	24		
SP180-2*30WA20Q36-LV	2*30		20	36		
SP180-2*30WA32Q48-LV	2*30		32	48		
SP180-2*30WA49Q68-LV	2*30		49	68		

Light output value is based on 3000K ;
The total efficiency loss with anti-glare accessories ranges from 40% to 60° for beam angles of 60°
to 10° , and the useful efficiency lost approximately 25%-30%.

In-ground Linear Light



Frameless version



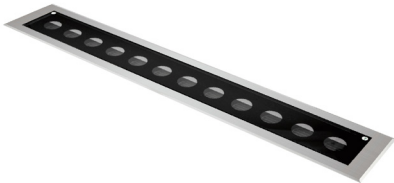
Frame version

Anti-glare recessed ground lights with frame and frameless options;
The light direction is moderately tilted towards the illuminated surface;
Equipped with a built-in Anti-glare Grille that tilts towards the illuminated surface;
single-color light or RGBW;
Seamless splicing, and the wires can be hide in the installation box;
Static load: 1000kg, powered by 24V, IP67 protection ;
Control:ON/OFF, DMX512, 0~10V, etc;
Work temperature: -20 °C to 50 °C.

In-ground Linear Light



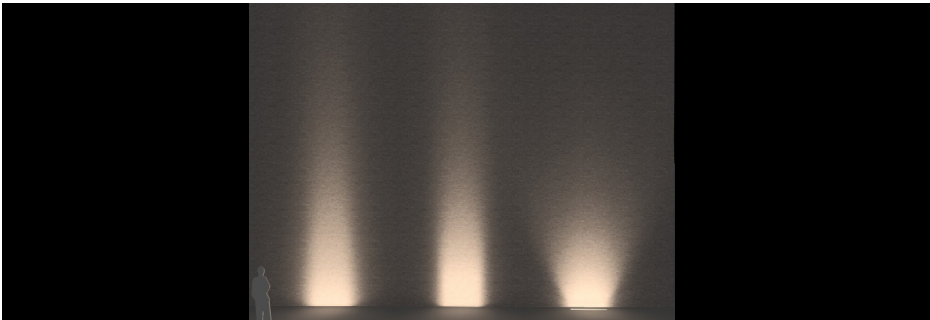
Frameless version



Frame version

Mock up effect

Different optics design



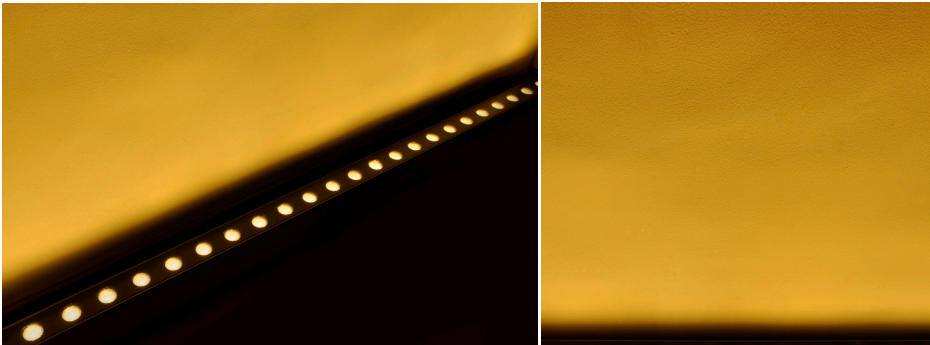
12°

10x22°

17x57°

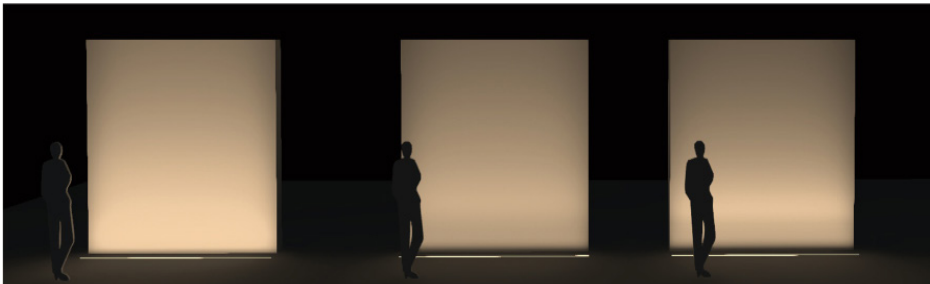
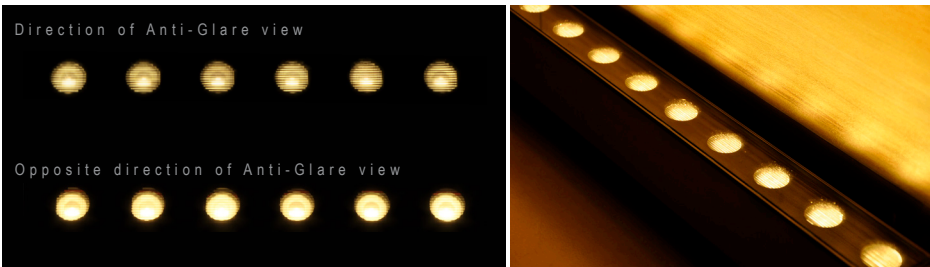
Light effect

Perfect lighting uniformity and color consistency



Anti-Glare

Inner anti-glare design to make sure the comfortable effect



Without anti-glare

With Asymmetric 5°
anti-glare accessory

With Asymmetric 15°
anti-glare accessory

Flexibility and performance



L=500mm

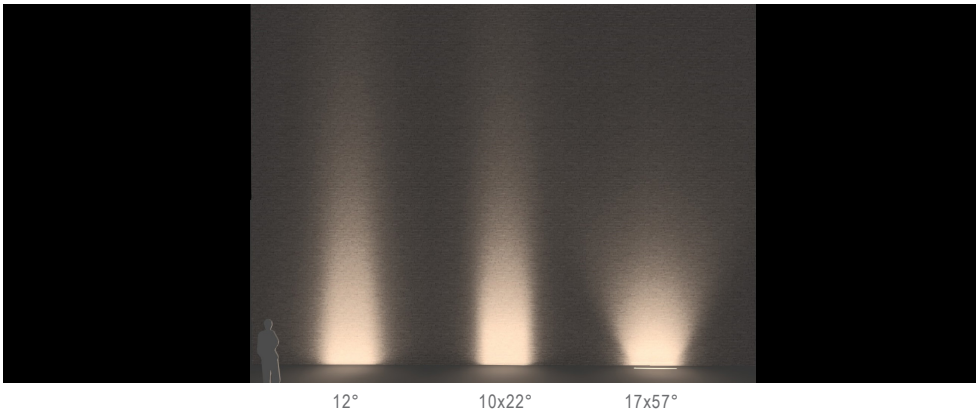


L=1000mm

Multiple lengths are available.
Glare accessories can be customized according to requirements.
With different light distribution angles and corresponding glare control grilles, high efficiency can be maintained.

Mock up effect

Different optics available



Real effect



Anti-glare performance

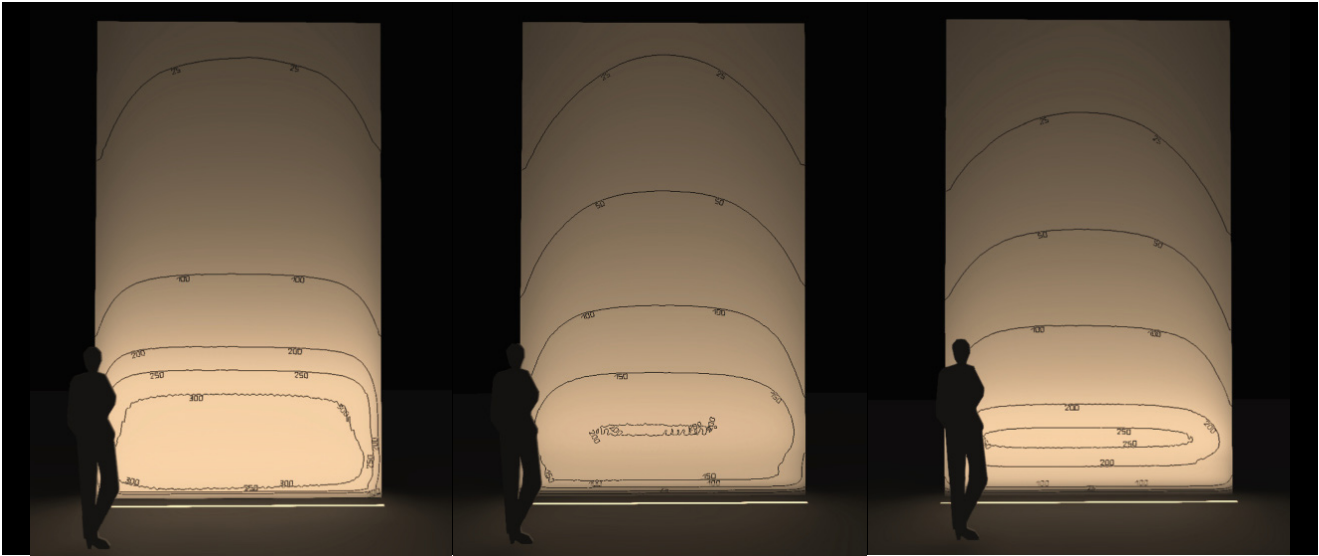


Anti-glare accessory: Asymmetric 5°



Anti-glare accessory: Asymmetric 15°

Mock up effect



Without anti-glare

With Asymmetric 5°
anti-glare accessory

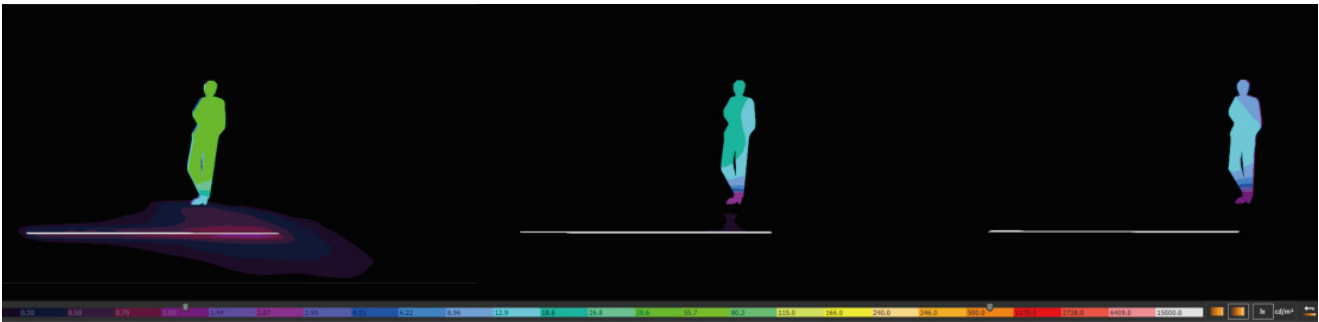
With Asymmetric 15°
anti-glare accessory

Code: LDW44-36WA1022
Height of the wall: 5m
Distance to the wall : 0.2m
Continue installation

Code: LDW44-36WA1022-P05
Height of the wall: 5m
Distance to the wall : 0.2m
Continue installation

Code: LDW44-36WA1022-P15
Height of the wall: 5m
Distance to the wall : 0.2m
Continue installation

Mock up of he glare for the people

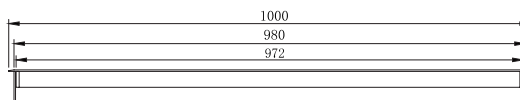
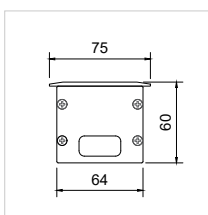


Without anti-glare

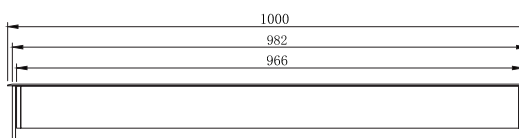
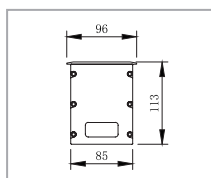
With Asymmetric 5°
anti-glare accessory

With Asymmetric 15°
anti-glare accessory

In-ground linear light with frame



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
LBW75-36WA12-P05	36	9842	12	31	2385	1412
LBW75-36WA12-P15	36	7364	12	31	2385	1057
LBW75-36WA1022-P05	36	8928	12°26	32°46	2520	1450
LBW75-36WA1022-P15	36	6618	12°26	32°46	2520	1096
LBW75-36WA1560-P05	36	3248	15°57	41°85	2362	992
LBW75-36WA1560-P15	36		15°57	41°85	2362	992
LBW75-45WA12-P05-RGBW	45	7254	12	31	2047	1178
LBW75-45WA12-P15-RGBW	45	5377	12	31	2047	890
LBW75-45WA1022-P05-RGBW	45	7141	12°26	32°46	2024	1160
LBW75-45WA1022-P15-RGBW	45	5295	12°26	32°46	2040	877
LBW75-45WA1560-P05-RGBW	45	2584	15°57	41°85	2047	794



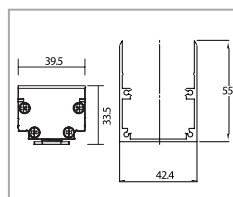
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
LBW96-72WA05	72	249658	5	10	3329	3329
LBW96-72WA05-P05	72	157074	5	10	3329	2244
LBW96-72WA0520	72	69179	5°20	9°30	3329	3329
LBW96-72WA0520-P05	72	64336	5°20	9°30	3329	3110
LBW96-72WA0520-P15	72	59438	5°20	9°30	3336	2229
LBW96-72WA05-RGBW	72	162278	5	10	2164	2164
LBW96-72WA05-P05-RGBW	72	102098	5	10	2164	1459
LBW96-72WA0520-RGBW	72	44966	5°20	9°30	2164	2164
LBW96-72WA0520-P05-RGBW	72	41818	5°20	9°30	2164	2022
LBW96-72WA0520-P15-RGBW	72	38635	5°20	9°30	2168	1449
LBW96-96WP15W	96	4656	44°72:P15	88°140:P15	4704	4704

The 24V power supply needs to be ordered separately. Place an order according to the color temperature requirements.

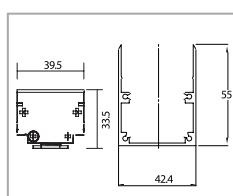
60: 6000K 40: 4000K 30: 3000K 27: 2700K

For the luminaires equipped with anti-glare accessories, there will be a flux loss of 40%-60% from 60° to 10°. The light loss within the full light spot angle is approximately 25%-30%.

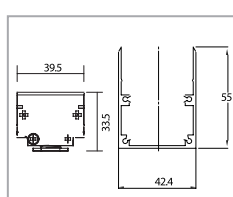
In-ground linear light without frame



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
LDW44-24WA12-P05	24	6561	12	31	1587	960
LDW44-24WA12-P15	24	4909	12	31	1587	735
LDW44-24WA1022-P05	24	5952	12°26	32°46	1680	967
LDW44-24WA1022-P15	24	4412	12°26	32°46	1680	730
LDW44-24WA1560-P05	24	2165	15°57	41°85	1596	661
LDW44-24WA1560-P15	24		15°57	41°85	1596	661



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
LDW44-36WA12-P05	36	9842	12	31	2385	1412
LDW44-36WA12-P15	36	7364	12	31	2385	1057
LDW44-36WA1022-P05	36	8928	12°26	32°46	2520	1450
LDW44-36WA1022-P15	36	6618	12°26	32°46	2520	1096
LDW44-36WA1560-P05	36	3248	15°57	41°85	2362	992
LDW44-36WA1560-P15	36		15°57	41°85	2362	992



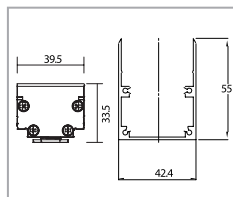
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
LDW44-45WA12-P05-RGBW	45	7254	12	31	2047	1178
LDW44-45WA12-P15-RGBW	45	5377	12	31	2047	890
LDW44-45WA1022-P05-RGBW	45	7141	12°26	32°46	2040	1160
LDW44-45WA1022-P15-RGBW	45	5295	12°26	32°46	2040	877
LDW44-45WA1560-P05-RGBW	45	2584	15°57	41°85	2047	794

The 24V power supply needs to be ordered separately. Place an order according to the color temperature requirements.

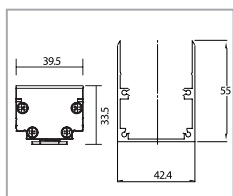
60: 6000K 40: 4000K 30: 3000K 27: 2700K

For the luminaires equipped with anti-glare accessories, there will be a flux loss of 40%-60% from 60° to 10°. The light loss within the full light spot angle is approximately 25%-30%.

In-ground linear light without frame—Asymmetric



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
LDW44-24WP4	24	7949	20°16:P4	54°42:P4	2280	1555
LDW44-24WP6	24	5463	25°21:P6	58°52:P6	2280	1566
LDW44-24WP8	24	3714	30°28:P8	72°63:P8	2280	1568
LDW44-24WP20	24	4405	28°27:P17	61°57:P17	2337	1555
LDW44-36WP4-RGBW	36	7750	20°16:P4	54°42:P4	2223	1516
LDW44-36WP6-RGBW	36	5326	25°21:P6	58°52:P6	2223	1527
LDW44-36WP8-RGBW	36	3621	30°28:P8	72°63:P8	2223	1529
LDW44-36WP20-RGBW	36	4295	28°27:P17	61°57:P17	2278	1516



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
LDW44-36WP4	36	11923	20°16:P4	54°42:P4	3420	2332
LDW44-36WP6	36	8194	25°21:P6	58°52:P6	3420	2349
LDW44-36WP8	36	5571	30°28:P8	72°63:P8	3420	2352
LDW44-36WP20	36	6607	28°27:P17	61°57:P17	3505	2332
LDW44-45WP4-RGBW	45	11923	20°16:P4	54°42:P4	3420	2332
LDW44-45WP6-RGBW	45	8194	25°21:P6	58°52:P6	3420	2349
LDW44-45WP8-RGBW	45	5571	30°28:P8	72°63:P8	3420	2352
LDW44-45WP20-RGBW	45	6607	28°27:P17	61°57:P17	3505	2332
LDW44-12WA120	12					
LDW44-12WA120-RGBW	12					

Power: DC24V
Color temperature: Monochrome/RGB/RGBW
Driver: Build-in on/off, dimmable DMX512/0-10V driver

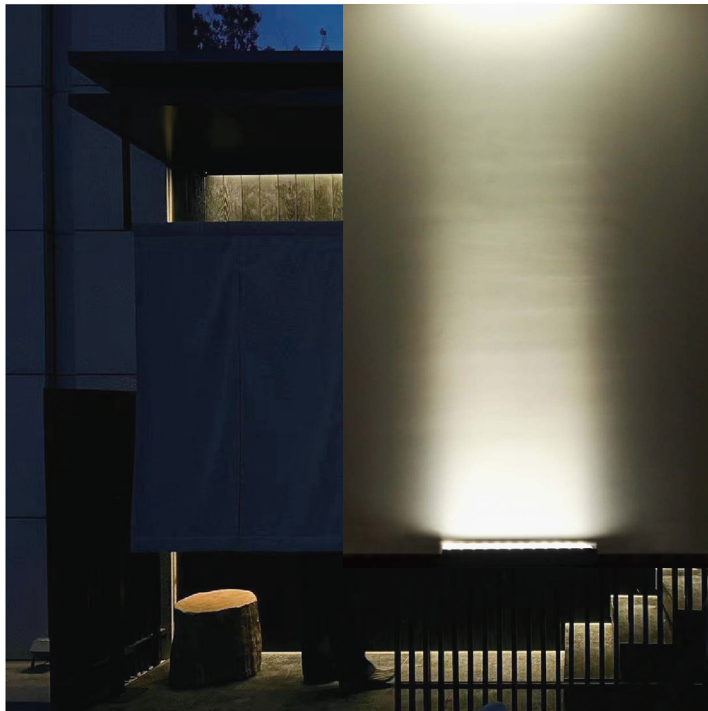
Place an order according to the color temperature requirements.
6000K、4000K、3000K、2700K、2400K、RGBW
Dimmable options:DMX512, 0-10V, DALI, Thyristor-dimmable driver;

Liner Wallwash Light With Louvre



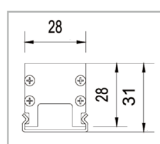
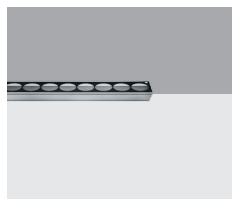
Specification

Stretched aluminum body
 Multiple optics design
 Multiple installation methods;
 Anti-glare louver designs;
 Powder coating with UV-resistant ;
 MacAdam < 3;
 Operating temperature: -20°C ~ 50°C
 IP65;

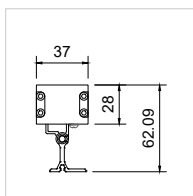




Wall washer linear light

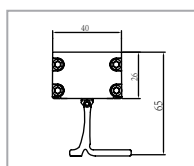
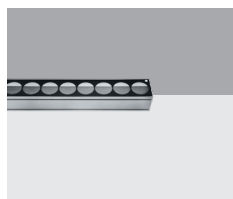


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
LWW28-24WA20	24	4955	20	44	1194	1194
LWW28-GS24WA20-P05	24	2772	20	44	1194	667
LWW28-24WA2045	24	1519	20*45	61*84	950	950
LWW28-GS24WA2045-P05	24	815	20*45	61*84	950	510
LWW28-24WA30	24	2737	30	61	1202	1202
LWW28-24WA40	24	1742	40	79	1201	1201
LWW28-24WA50	24	1194	50	98	1200	1200

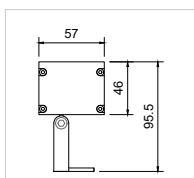
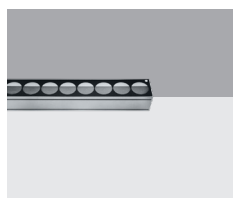


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
LWW37-24WA12	24	11076	12	31	1587	1587
LWW37-24WA15	24	13853	14	32	1585	1585
LWW37-24WA20	24	8163	21	40	1586	1586
LWW37-24WA30	24	4088	31	59	1572	1572
LWW37-24WA45	24	2083	46	83	1582	1582
LWW37-24WA52	24	1715	52	92	1591	1591
LWW37-24WA1022	24	11371	10*22	30*41	1677	1677
LWW37-GS24WA1022-P05	24	5952	12*26	32*46	1680	967
LWW37-GS24WA1022-P15	24	4412	12*26	32*46	1680	730
LWW37-24WA1560	24	3518	17*57	43*78	1596	1596
LWW37-GS24WA1560-P05	24	2165	15*57	41*85	1596	661
LWW37-GS24WA12-P05-RGBW	24	3869	12	31	1092	629
LWW37-GS24WA12-P15-RGBW	24	2868	12	31	1092	475
LWW37-GS24WA1022-P05-RGBW	24	3869	12*26	32*46	1092	629
LWW37-GS24WA1022-P15-RGBW	24	2868	12*26	32*46	1092	475
LWW37-GS24WA1560-P05-RGBW	24	1407	15*57	41*85	1037	430
LWW37-36WA12	36	16614	12	31	2384	2384
LWW37-36WA15	36	20779	14	32	2381	2381
LWW37-36WA20	36	12245	21	40	2381	2381
LWW37-36WA30	36	6132	31	59	2359	2359
LWW37-36WA45	36	3125	46	83	2374	2374
LWW37-36WA52	36	2573	52	92	2386	2386
LWW37-36WA1022	36	17057	10*22	30*41	2516	2516
LWW37-GS36WA1022-P05	36	8928	12*26	32*46	2520	1450
LWW37-GS36WA1022-P15	36	6618	12*26	32*46	2520	1096
LWW37-36WA1560	36	5321	17*57	43*78	2394	2394
LWW37-GS36WA1560-P05	36	3248	15*57	41*85	2362	992
LWW37-GS36WA1022-P05-RGBW	36	5803	12*26	32*46	1638	943
LWW37-GS36WA1022-P15-RGBW	36	4302	12*26	32*46	1638	712
LWW37-GS36WA1560-P05-RGBW	36	2111	17*57	43*78	1535	645

Wall washer linear light

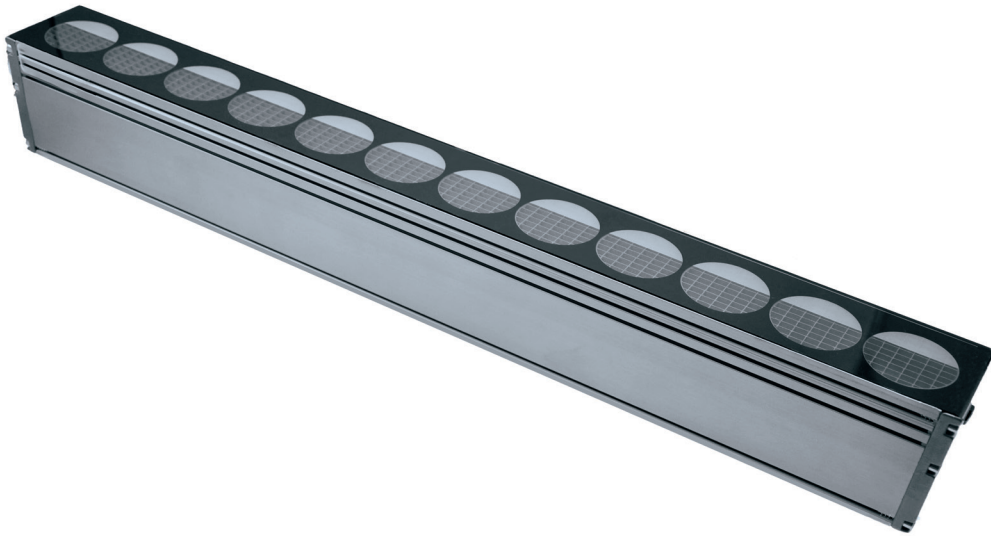


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
LWW40-48WA12	48	22152	12	31	3174	3174
LWW40-48WA15	48	27706	14	32	3170	3170
LWW40-48WA20	48	16326	21	40	3172	3172
LWW40-48WA30	48	8176	31	59	3144	3144
LWW40-48WA45	48	4166	46	83	3164	3164
LWW40-48WA52	48	3430	52	92	3182	3182
LWW40-48WA1022	48	22742	10*22	30*41	3354	3354
LWW40-GS48WA1022-P05	48	11904	12*26	32*46	3360	1934
LWW40-GS48WA1022-P15	48	8824	12*26	32*46	3360	1460
LWW40-GS48WA1560	48	7036	17*57	43*78	3192	3192
LWW40-GS48WA1560-P05	48	4330	15*57	41*85	3192	1322
LWW40-GS48WA12-P05-RGBW	48	7738	12	31	2184	1257
LWW40-GS48WA12-P15-RGBW	48	5736	12	31	2184	949
LWW40-GS48WA1022-P05-RGBW	48	7738	12*26	32*46	2184	1257
LWW40-GS48WA1022-P15-RGBW	48	5736	12*26	32*46	2184	949
LWW40-GS48WA1560-P05-RGBW	48	2815	15*57	41*85	2075	859



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
LWW57-72WA05	72	249658	5	10	3329	3329
LWW57-GS72WA05-P05	72	157074	5	10	3329	2244
LWW57-72WA0520	72	69179	5*20	9*30	3329	3329
LWW57-GS72WA0520-P05	72	64336	5*20	9*30	3329	3110
LWW57-GS72WA0520-P15	72	59438	5*20	9*30	3336	2229
LWW57-GS72WA05-P05-RGBW	96	162278	5	10	2164	2164
LWW57-GS72WA05-P05-RGBW	96	102098	5	10	2164	1459
LWW57-72WA0520-RGBW	96	44966	5*20	9*30	2164	2164
LWW57-GS72WA0520-P05-RGBW	96	41818	5*20	9*30	2164	2022
LWW57-GS72WA0520-P15-RGBW	96	38635	5*20	9*30	2168	1449

High Windows Light



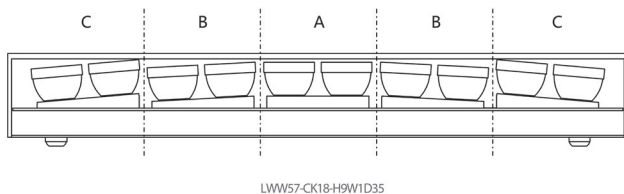
Specification

Beam angle customization + Anti - glare grille;
 Uniform illuminance on window frame + Ultra - low glare for inside window;
 Stretched aluminum body;
 Multiple optics design;
 Multiple installation methods;
 High efficiency PMMA lens;
 Powder coating with UV-resistant ;
 MacAdam < 3;
 Operating temperature: -20°C ~ 50°C;
 IP65.

High Windows Lighting



Beam angle customization + Anti - glare design

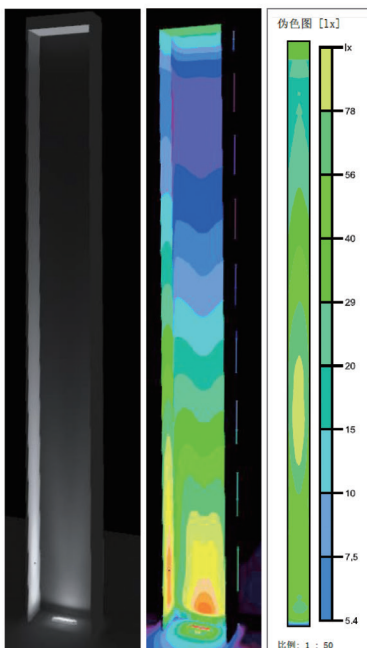


Beam angle customization

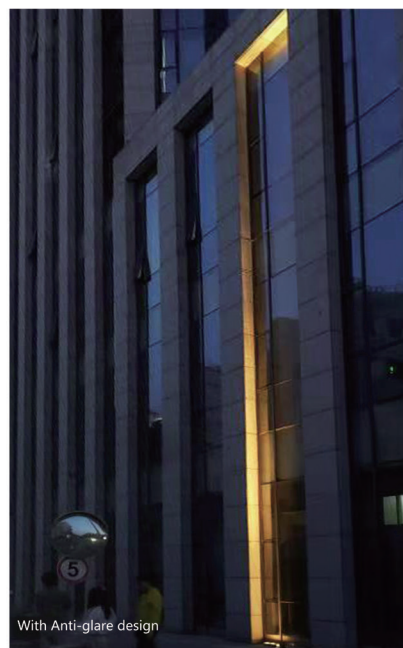


Anti-glare design, No light affect indoor

Application

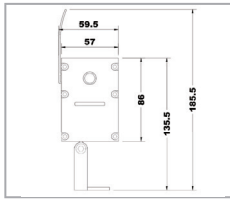
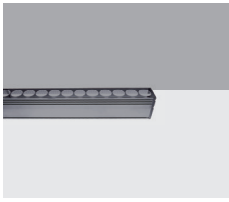


Mock up of the 9m window lighting



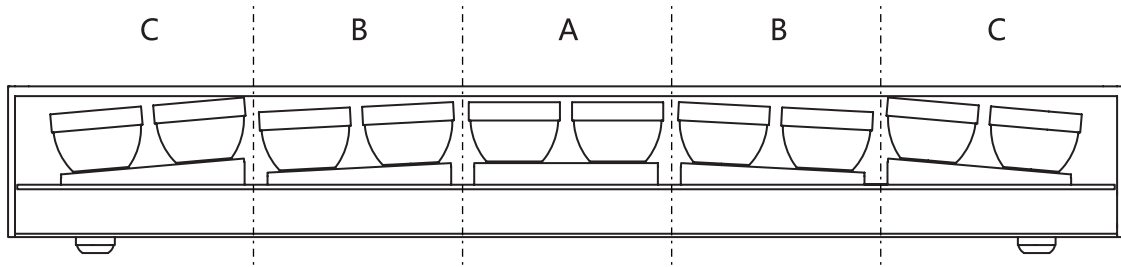
Light effect of the 15m window lighting;
Anti-glare design, No light affect indoor





Code	Watt(w)	Window size	L(mm)	Flux(lm)
LWW57-CK18-H9W1D35	18	H:9m W:1m D:35mm		
LWW57-CK36-H9W3D25	36	H:9m W:3m D:25mm		
LWW57-CK36-H9W4D50	36	H:9m W:4m D:50mm		
LWW57-CK36-H9D35P	36	H:9m D:35mm		
LWW57-CK36-A0520	36			

Power: DC24V
 Color temperature: Monochrome/RGB/RGBW
 Driver: Build-in on/off, dimmable DMX512/0-10V driver



LWW57-CK18-H9W1D35

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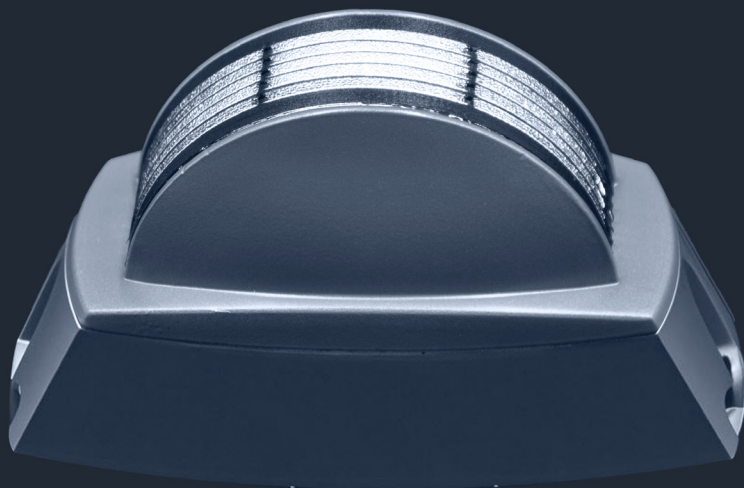
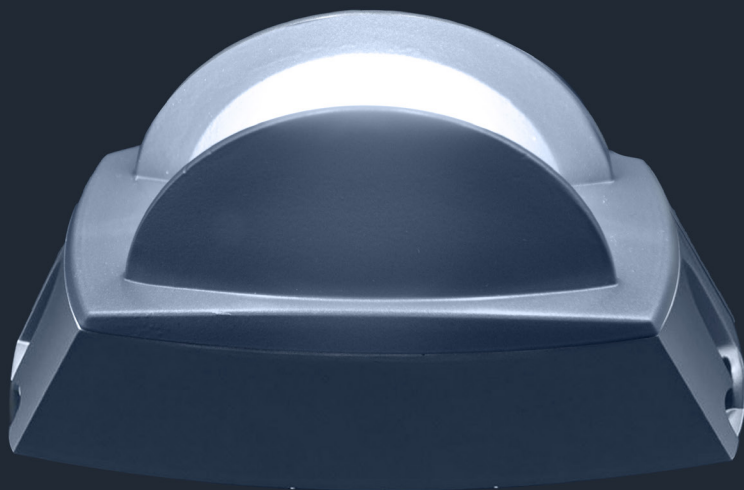
LOW WINDOWS FRAME LIGHT



360°

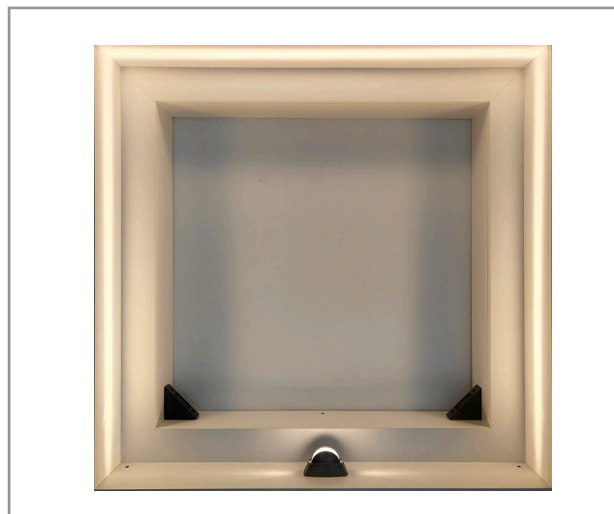
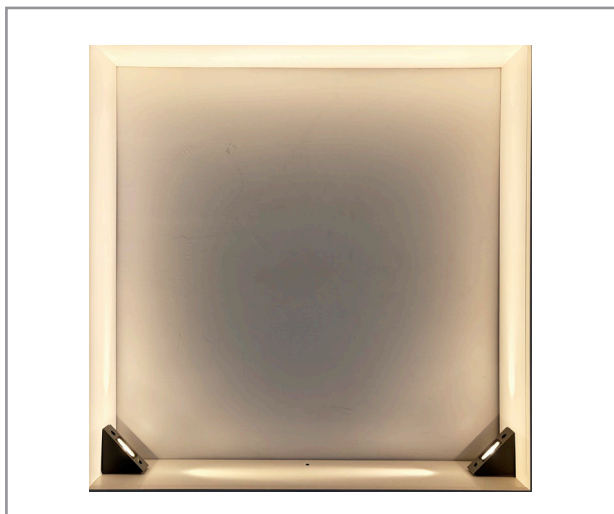


180°



Windows light+Anti-glare Louver

Low Windows Frame Light



Specification

Suitable for various window frame lighting applications.

Effectively reduces secondary light spots.

Available in single-color and color-mixing options.

Provides a uniform color-mixing effect

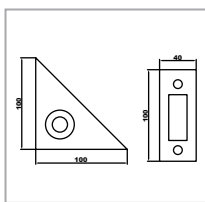
Die-cast aluminum body.

4mm tempered glass.

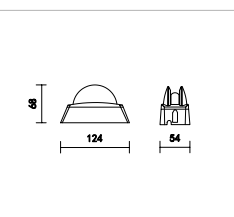
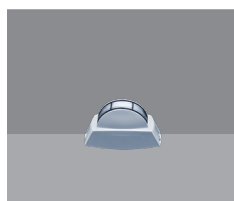
UV-resistant powder spraying surface.

Operating temperature: -20 °C to 50 °C

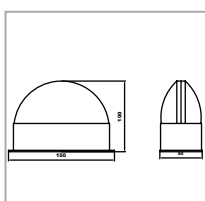
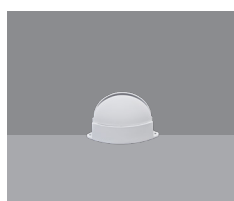
Low window frame light



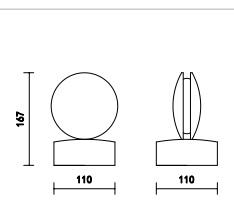
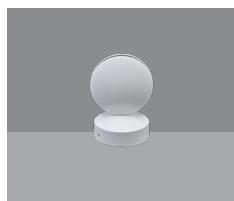
Code	Watt(w)	Optic	Flux(lm)
JCK40-4WA08110	4W	8X110°	147lm
JCK40-4WA08110-RGBW	4W	8X110°	45lm



Code	Watt(w)	Optic	Flux(lm)
XCK40-5WA04180	5W	4X180°	141lm
XCK40-5WA04180-RGBW	5W	4X180°	62lm



Code	Watt(w)	Optic	Flux(lm)
XCK60-10WA03180	10W	3X180°	256lm
XCK60-10WA03180-RGBW	10W	3X180°	112lm



Code	Watt(w)	Optic	Flux(lm)
XCK60-10WA03360	10W	3X360°	265lm
XCK60-10WA03360-RGBW	10W	3X360°	126lm

Power: DC24V
 Color temperature: Monochrome/RGB/RGBW
 Driver: Build-in on/off, dimmable DMX512/0-10V driver

Place an order according to the color temperature requirements.
 6000K、4000K、3000K、2700K、2400K、RGBW
 Dimmable options:DMX512, 0-10V, DALI, Thyristor-dimmable driver;



Handrail lighting





Light for tube-shaped handrail



Light for square handrail

Specification

Equipped with a polarized light reflector.

Suitable for handrails of railings with a diameter of Ø48-60mm and a wall thickness of 1-2mm.

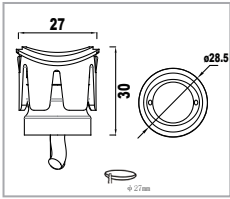
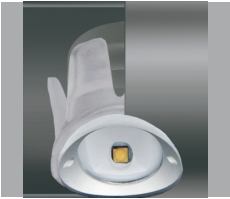
Aluminum body + PC installation embedded parts

Hole opening diameter: 27mm

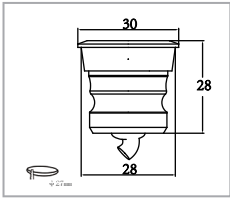
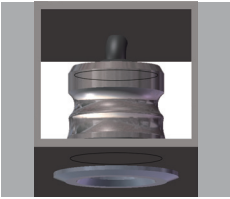
Maximum power: 1.5W

Operating temperature: -20 °C to 50 °C

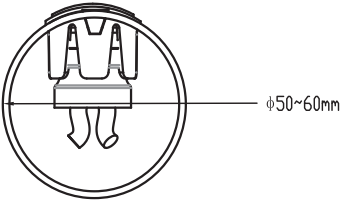
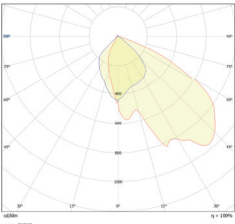
Handeail light



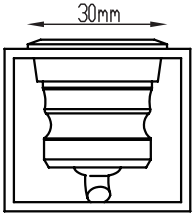
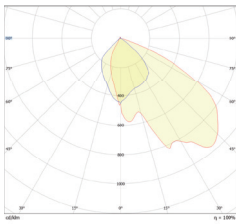
Code	Watt(w)	Optic	Flux(lm)
FS25-2WAP	1.5W	90x60:P45	76lm



Code	Watt(w)	Optic	Flux(lm)
FS25-S2WAP	1.5W	90x60:P45	76lm



Light for tube-shaped handrail



Suitable for square handrail

Mock up effect :

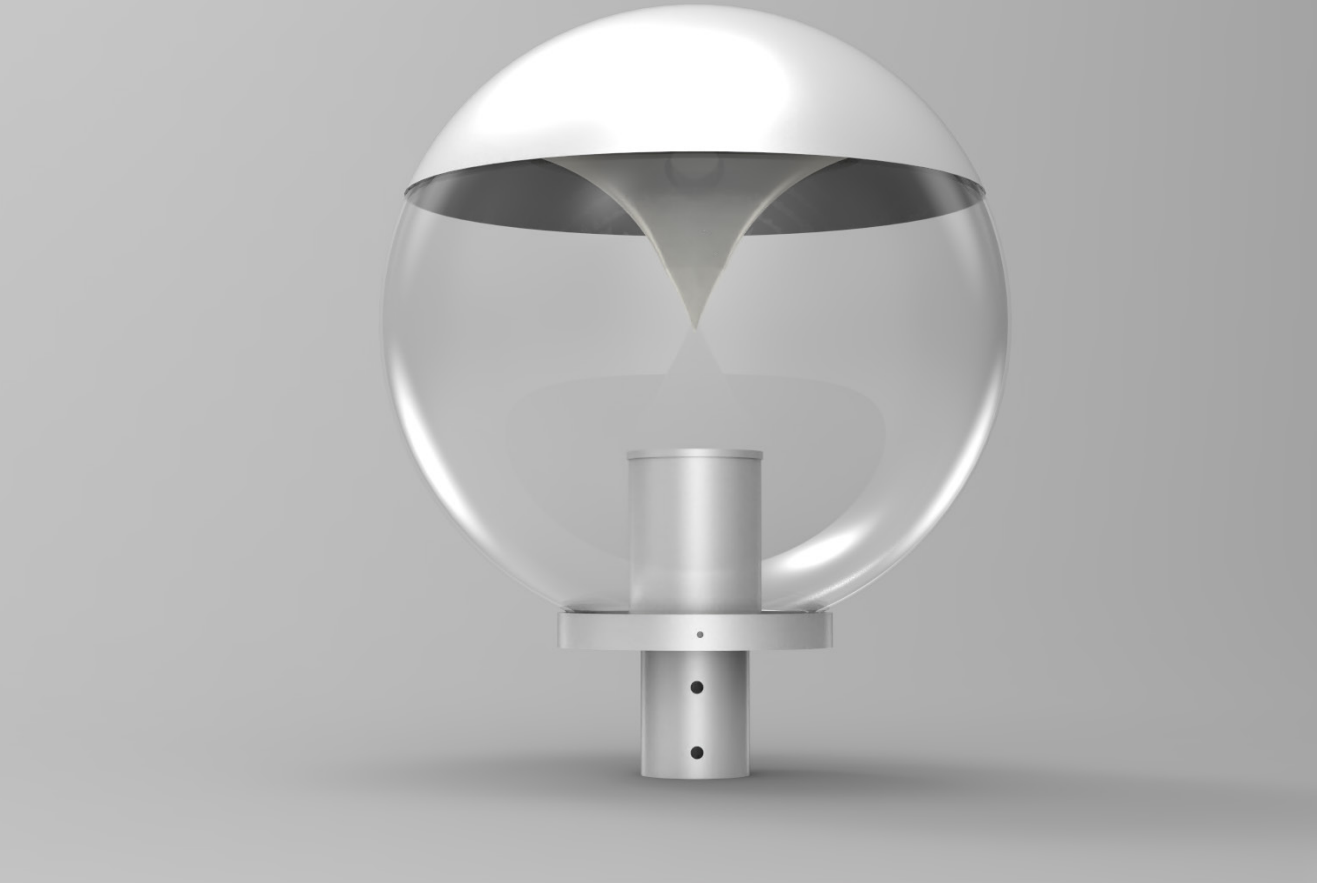


Installation high:1m
Distance between lights:2m

Installation high:1m
Distance between lights:1m

Installation high:1m
Distance between lights:0.5m

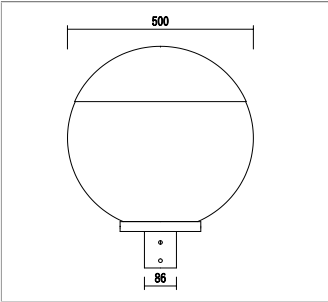
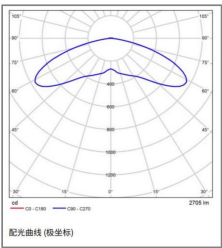
Spherical Post Top Light



Specification

Protection Level: IP65/IK07
Lamp Head Weight: 4KG
Physical Characteristics: Surface temperature below 50 C
Color Temperature: Single white light
Standard Drive: Built-in constant current, external DC24V
(needs to be purchased separately)
Optional Drive: AC220V
Operating Temperature: -20 C ~50 C

Code	Watt(w)	Optic	Flux(lm)
PTBALL500	41W	110°	2705lm





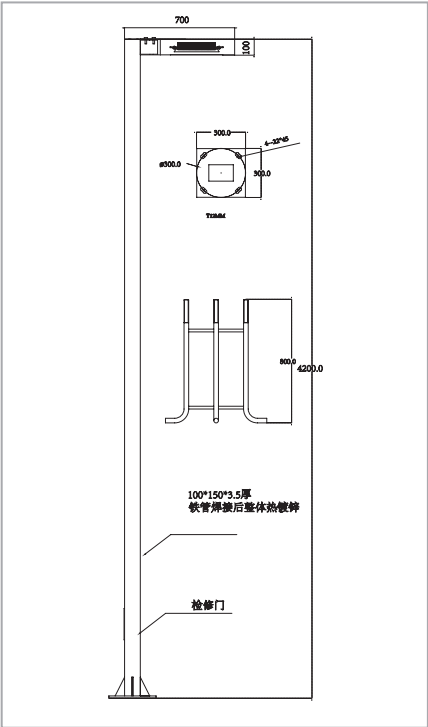
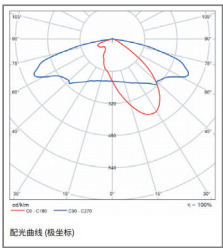
Linear Post Top Light



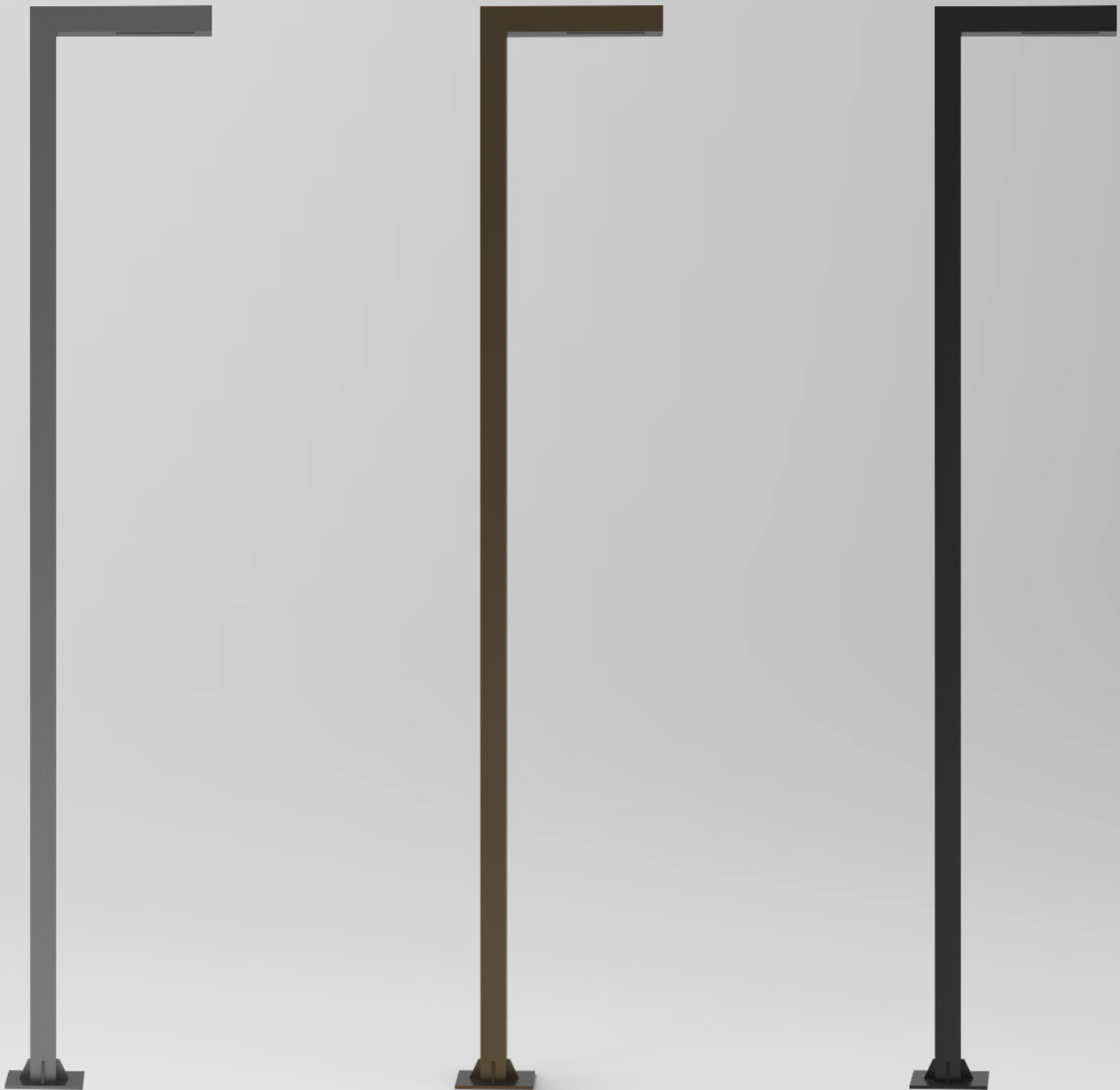
Specification

Protection Level: IP65/IK07
Lamp Head Weight: 10KG
Physical Characteristics: Surface temperature below 50 C
Color Temperature: Single white light
Standard Drive: Built-in constant current, external DC24V
(needs to be purchased separately)
Optional Drive: AC220V
Operating Temperature: -20 C ~50 C

Code	Watt(w)	Optic	Flux(lm)
PTLINEAR700	30W	150°45°:P45	4232lm



Linear Post Top Light





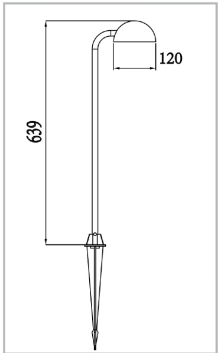
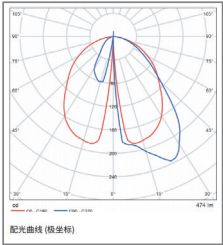
Spoon Bollard Light



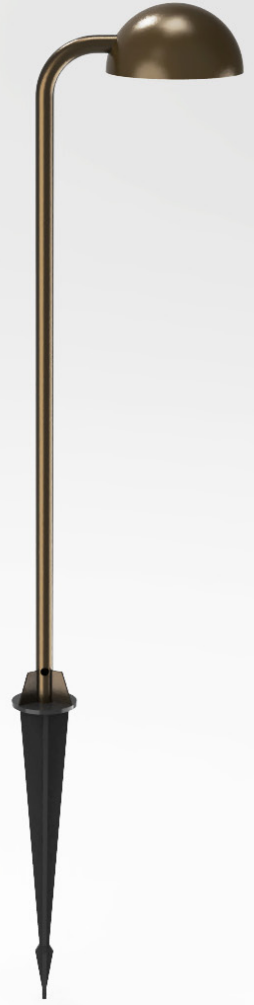
Specification

Protection Level: IP65/IK07
Lamp Head Weight: 0.8KG
Physical Characteristics: Surface temperature below 40 C
Color Temperature: Single white light/RGBW
Standard Drive: Built-in constant current, external DC24V (needs to be purchased separately)
Optional Drive: DMX512/0-10V/DALI
Operating Temperature: -20 C ~50 C

Code	Watt(w)	Optic	Flux(lm)
BLSP00N120	6W	110°	474lm



Spoon Garden Light



Downlight



Specification

Diecast aluminium.

Excellent lighting efficiency and visual comfort.

Versions suitable for use in settings with UGR <19 video terminals.

Available with different color reflector.

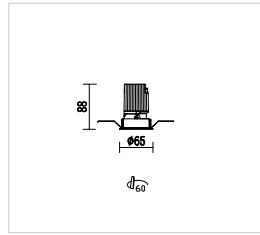
Available with electronic wiring and DALI/1-10V Dimmable version.

IP65 on the visible body of the mount after installation.

Adjustable Downlight With Frame



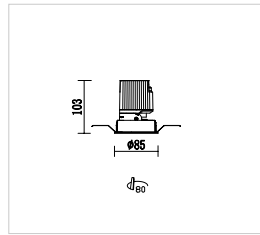
Power: AC220V
Water proof: IP20/IP65



CODE	WATT (W)	FWHM (°)	lm
DL65-XY8WA15	8	15	640
DL65-XY8WA24	8	24	640
DL65-XY8WA36	8	36	640
DL65-XY8WA50	8	50	640



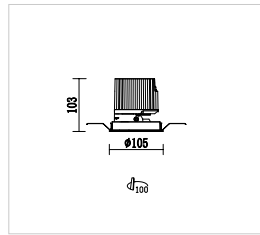
Power: AC220V
Water proof: IP20/IP65



CODE	WATT (W)	FWHM (°)	lm
DL85-XY15WA15	15	15	1200
DL85-XY15WA24	15	24	1200
DL85-XY15WA36	15	36	1200
DL85-XY15WA50	15	50	1200



Power: AC220V
Water proof: IP20/IP65



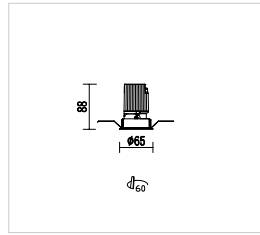
CODE	WATT (W)	FWHM (°)	lm
DL110-XY25WA15	25	15	2000
DL110-XY25WA24	25	24	2000
DL110-XY25WA36	25	36	2000
DL110-XY25WA50	25	50	2000

Light output value is based on 3000K ;

Adjustable Downlight Frameless



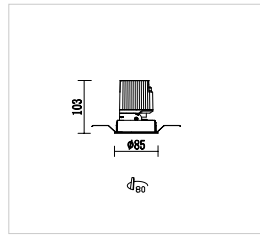
Power: AC220V
Water proof: IP20/IP65



CODE	WATT (W)	FWHM (°)	lm
DL65-XYW8WA15	8	15	640
DL65-XYW8WA24	8	24	640
DL65-XYW8WA36	8	36	640
DL65-XYW8WA50	8	50	640



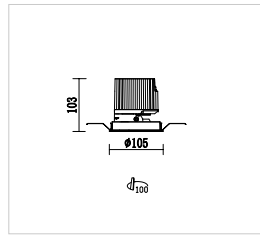
Power: AC220V
Water proof: IP20/IP65



CODE	WATT (W)	FWHM (°)	lm
DL85-XYW15WA15	15	15	1200
DL85-XYW15WA24	15	24	1200
DL85-XYW15WA36	15	36	1200
DL85-XYW15WA50	15	50	1200



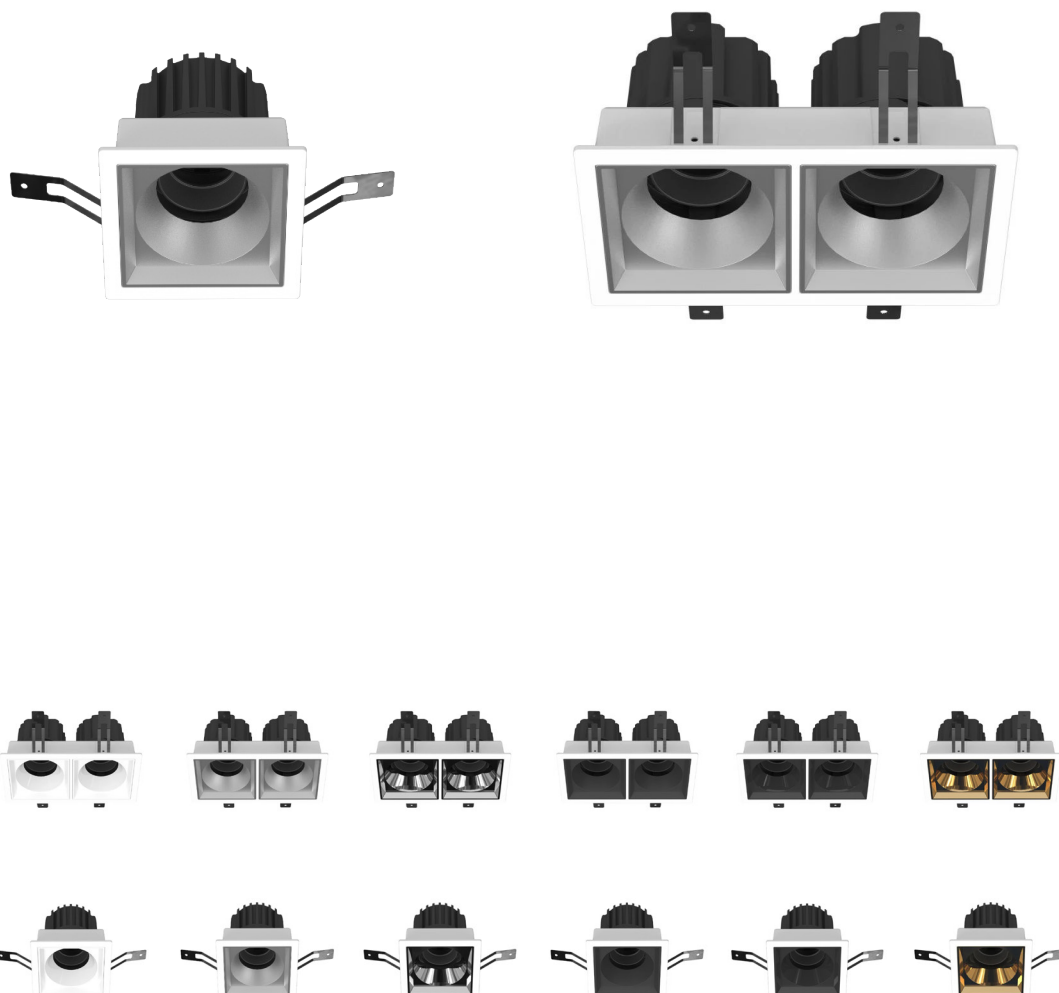
Power: AC220V
Water proof: IP20/IP65



CODE	WATT (W)	FWHM (°)	lm
DL110-XYW25WA15	25	15	2000
DL110-XYW25WA24	25	24	2000
DL110-XYW25WA36	25	36	2000
DL110-XYW25WA50	25	50	2000

Light output value is based on 3000K ;

Downlight



Specification

Diecast aluminium.

Excellent lighting efficiency and visual comfort.

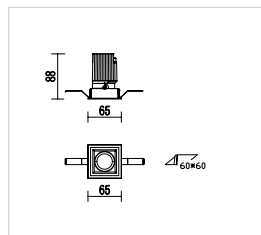
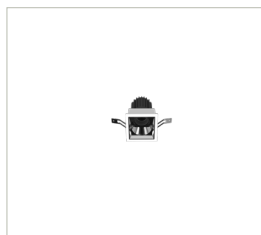
Versions suitable for use in settings with UGR <19 video terminals.

Available with different color reflector.

Available with electronic wiring and DALI/1-10V Dimmable version.

IP65 on the visible body of the mount after installation.

Adjustable Downlight With Frame



CODE

DL65-XYF8WA15
DL65-XYF8WA24
DL65-XYF8WA36
DL65-XYF8WA50

WATT
(W)

8
8
8
8

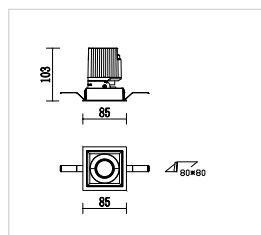
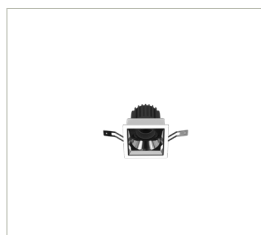
FWHM
(°)

15
24
36
50

lm

640
640
640
640

Power: AC220V
Water proof: IP20/IP65



CODE

DL85-XYF15WA15
DL85-XYF15WA24
DL85-XYF15WA36
DL85-XYF15WA50

WATT
(W)

15
15
15
15

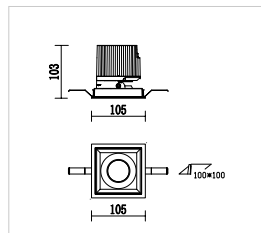
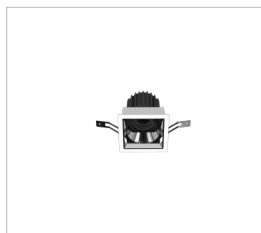
FWHM
(°)

15
24
36
50

lm

1200
1200
1200
1200

Power: AC220V
Water proof: IP20/IP65



CODE

DL110-XYF25WA15
DL110-XYF25WA24
DL110-XYF25WA36
DL110-XYF25WA50

WATT
(W)

25
25
25
25

FWHM
(°)

15
24
36
50

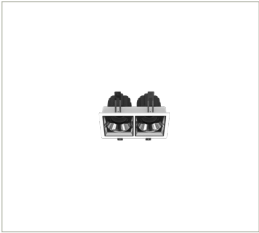
lm

2000
2000
2000
2000

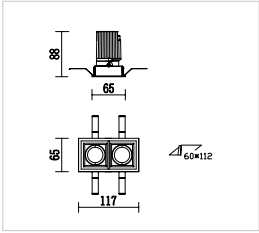
Power: AC220V
Water proof: IP20/IP65

Light output value is based on 3000K ;

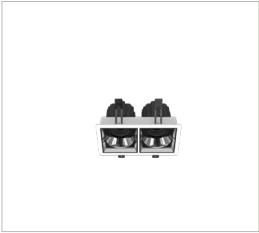
Adjustable Downlight With Frame



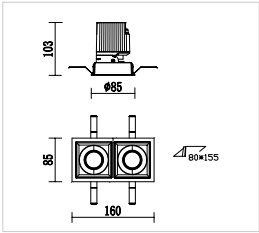
Power: AC220V
Water proof: IP20/IP65



CODE	WATT (W)	FWHM (°)	lm
DL65-XZF8*2WA15	8	15	640
DL65-XZF8*2WA24	8	24	640
DL65-XZF8*2WA36	8	36	640
DL65-XZF8*2WA50	8	50	640



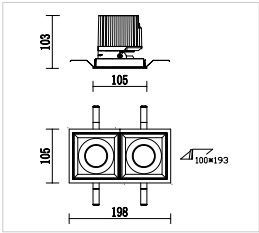
Power: AC220V
Water proof: IP20/IP65



CODE	WATT (W)	FWHM (°)	lm
DL85-XZF15*2WA15	15	15	1200
DL85-XZF15*2WA24	15	24	1200
DL85-XZF15*2WA36	15	36	1200
DL85-XZF15*2WA50	15	50	1200



Power: AC220V
Water proof: IP20/IP65



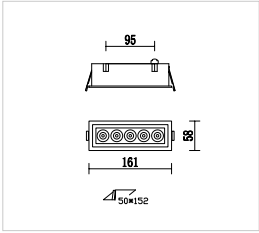
CODE	WATT (W)	FWHM (°)	lm
DL110-XZF25*2WA15	25	15	2000
DL110-XZF25*2WA24	25	24	2000
DL110-XZF25*2WA36	25	36	2000
DL110-XZF25*2WA50	25	50	2000

Light output value is based on 3000K ;

Recessed Downlight



Power: AC220V
Water proof: IP65

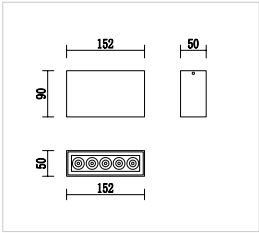


CODE	WATT (W)	FWHM (°)	lm
DLL49-XL0045TA15	12	15	960
DLL49-XL0045TA24	12	24	960
DLL49-XL0045TA36	12	36	960

Ceiling Downlight



Power: AC220V
Water proof: IP65

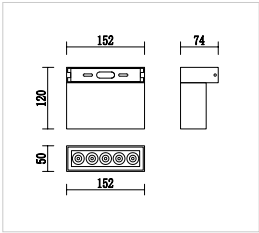


CODE	WATT (W)	FWHM (°)	lm
DLL49-XC0045TA15	12	15	960
DLL49-XC0045TA24	12	24	960
DLL49-XC0045TA36	12	36	960

Wall mounted Downlight



Power: AC220V
Water proof: IP65

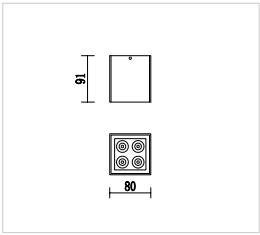


CODE	WATT (W)	FWHM (°)	lm
DLL49-XW0045TA15	12	15	960
DLL49-XW0045TA24	12	24	960
DLL49-XW0045TA36	12	36	960

Ceiling Downlight



Power : AC220V
Water proof: IP65

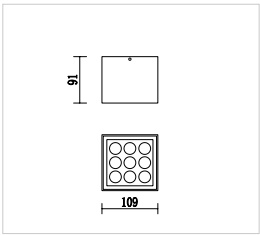


CODE	WATT (W)	FWHM (°)	lm
DL85-XC004S10WA15	10	15	800
DL85-XC004S10WA24	10	24	800
DL85-XC004S10WA36	10	36	800

Ceiling Downlight



Power : AC220V
Water proof: IP65

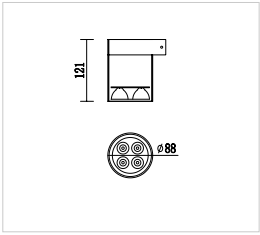


CODE	WATT (W)	FWHM (°)	lm
DL110-XC004S20WA15	20	15	1600
DL110-XC004S20WA24	20	24	1600
DL110-XC004S20WA36	20	36	1600

Wall Mounted Downlight



Power : AC220V
Water proof: IP65

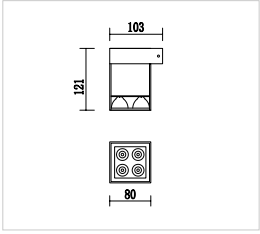


CODE	WATT (W)	FWHM (°)	lm
DL85-XW004R10WA15	10	15	800
DL85-XW004R10WA24	10	24	800
DL85-XW004R10WA36	10	36	800

Wall Mounted Downlight



Power : AC220V
Water proof: IP65



CODE	WATT (W)	FWHM (°)	lm
DL85-XC004R10WA15	10	15	800
DL85-XC004R10WA24	10	24	800
DL85-XC004R10WA36	10	36	800

THINKgis

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Guangdong Province