

BAL Light
Begins
Here

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



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 design for different optics,High efficiency;
 Surface color of 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



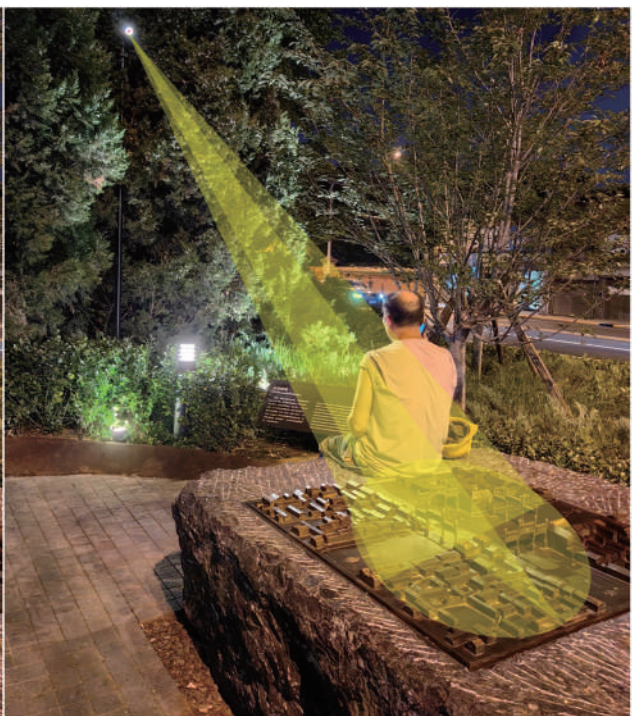
Test result of reflector& anti-glare louvre



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.

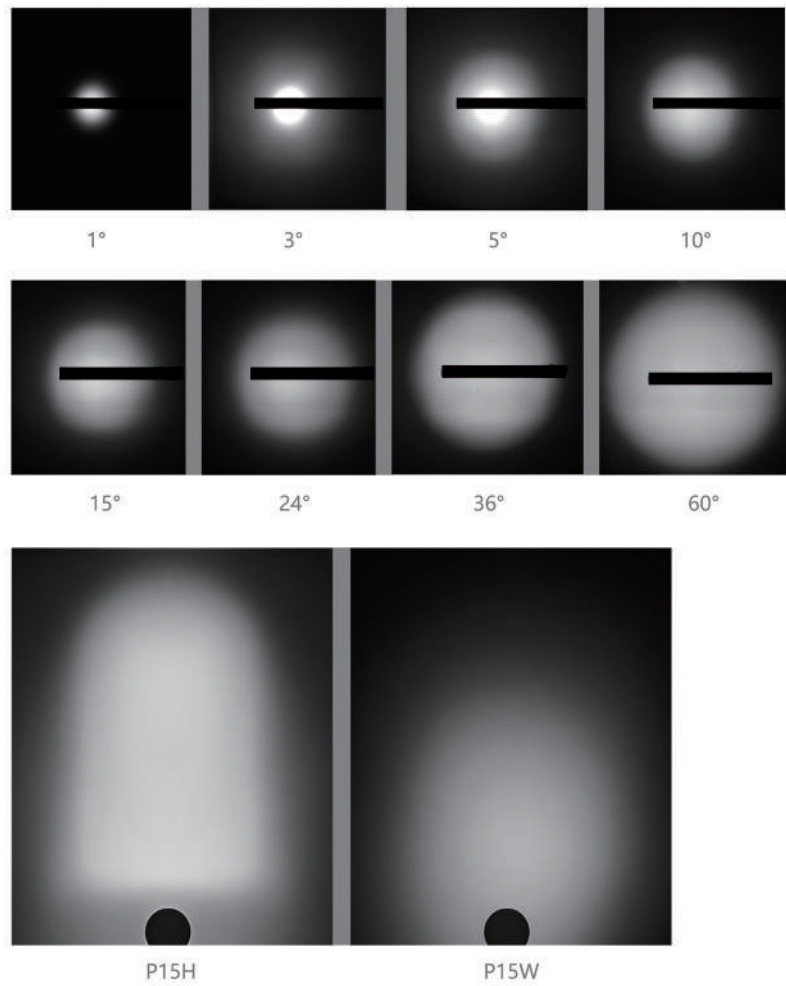
The beam angles are:

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

Asymmetrical light:

A4°, A6°, A8°, A15°, A20°

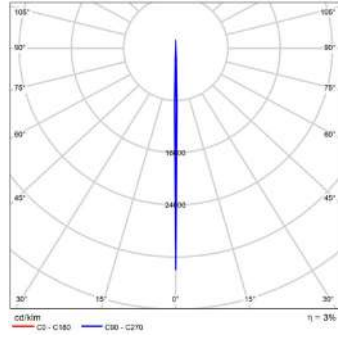
、A45°、A70°;



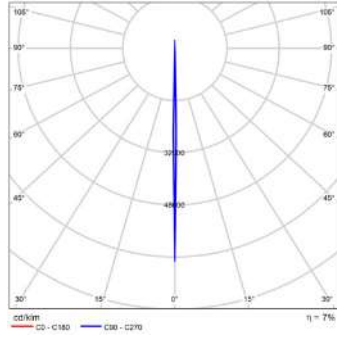
The anti-glare accessories

Accessory photo	Effect with accessory	Light distribution curve	Accessory	Accessory characteristic	Application
			Reflector+Antiglare louvre	Low Glare FA Light with Clear Soft gradient within the FA spot Higher dark area in wallwashing Clear light spot boundary	Projection lighting
			Ultra narrow beam reflector+Small solid anti glare louvre	Wider FA (Field Angle); Weak stray light outside the FA.	grazing wall light beam
			Ultra narrow beam reflector+Large solid anti glare louvre	Extremely low glare; FA Light with Clear light spot boundary; Soft gradient within the FA spot; Higher dark area in wallwashing.	Projection lighting

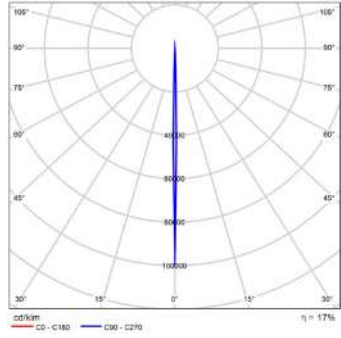
FWHM:1.2 FA:3.2



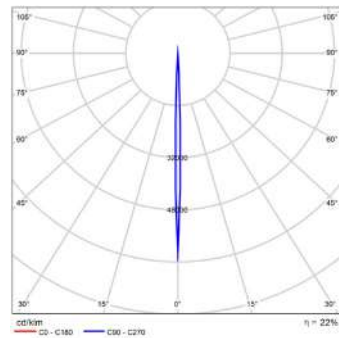
FWHM:1.7 FA:3.7



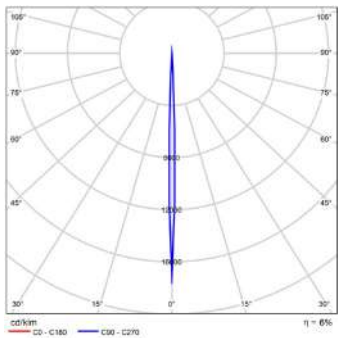
FWHM:1.7 FA:4.2



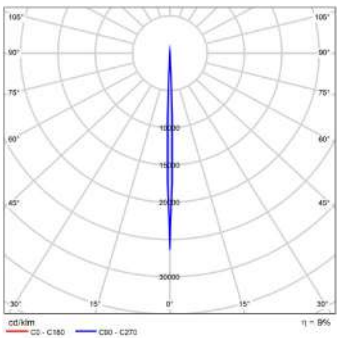
FWHM:2.4 FA:6.4



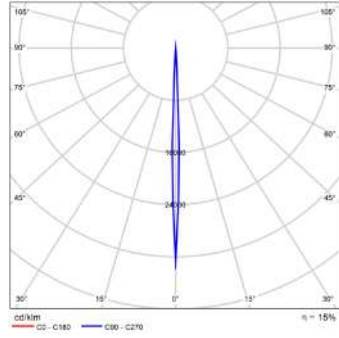
FWHM:2.8 FA:5.2



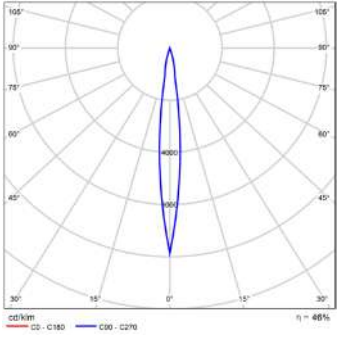
FWHM:2.7 FA:6.7



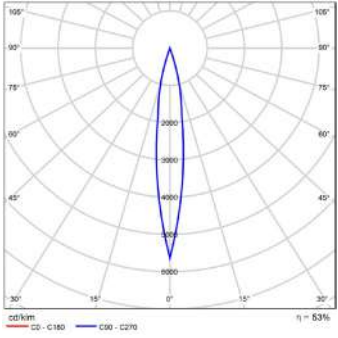
FWHM:3.7 FA:11.2



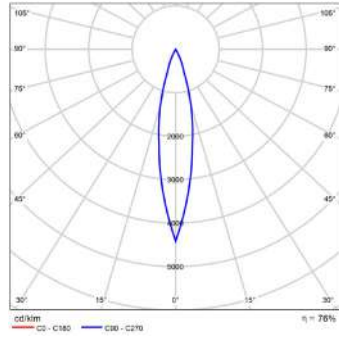
FWHM:12 FA:25



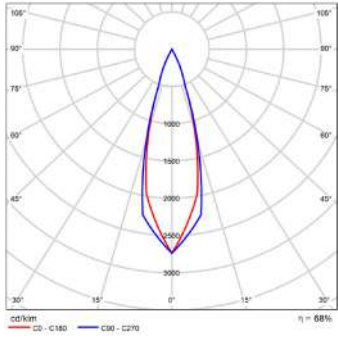
FWHM:15 FA:28



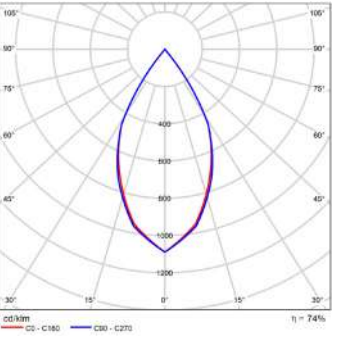
FWHM:21 FA:37



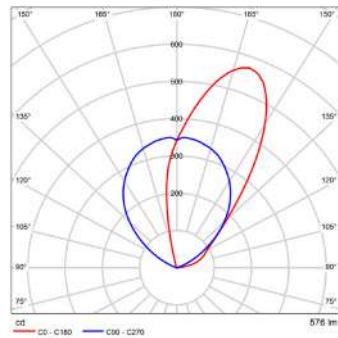
FWHM:33 FA:49



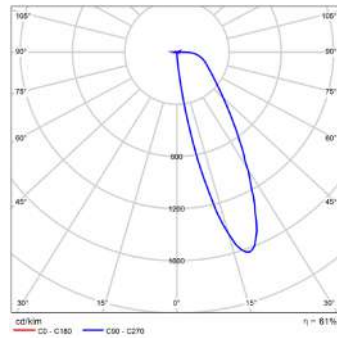
FWHM:54 FA:65



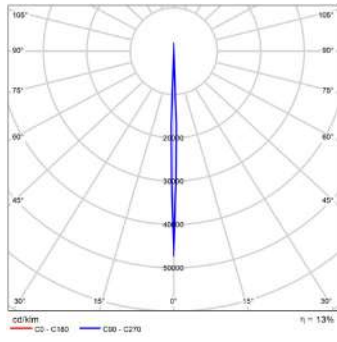
ASY: A40



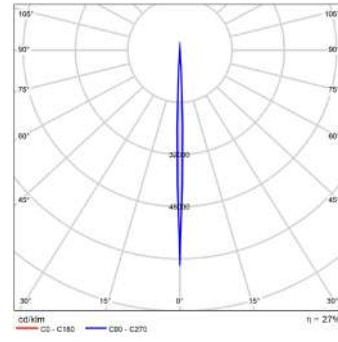
ASY: A70



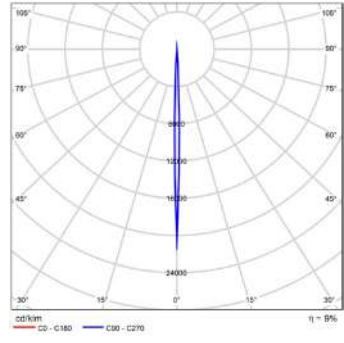
FWHM:3.4 FA:6.2



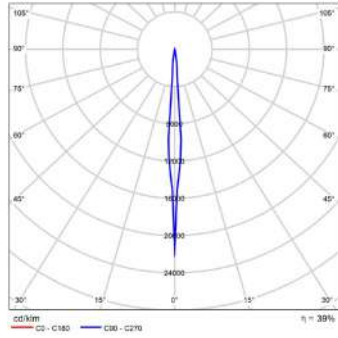
FWHM:3.7 FA:7.7



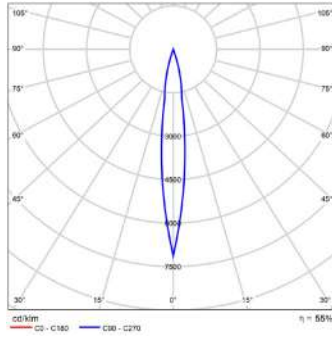
FWHM:3.7 FA:7.7



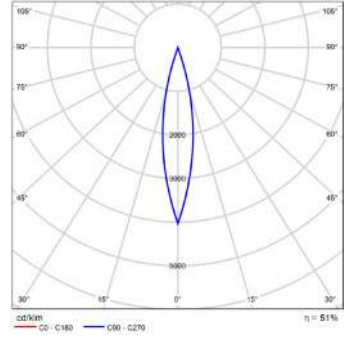
FWHM: 7 FA:13



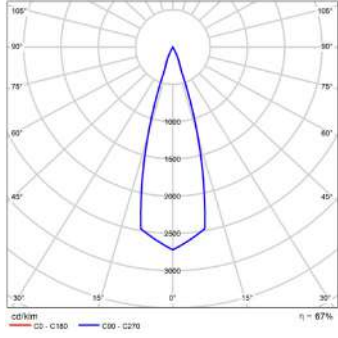
FWHM:13 FA:24



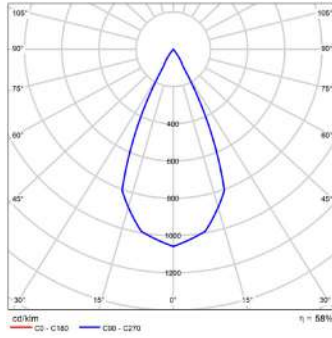
FWHM:20 FA:36



FWHM:30 FA:45

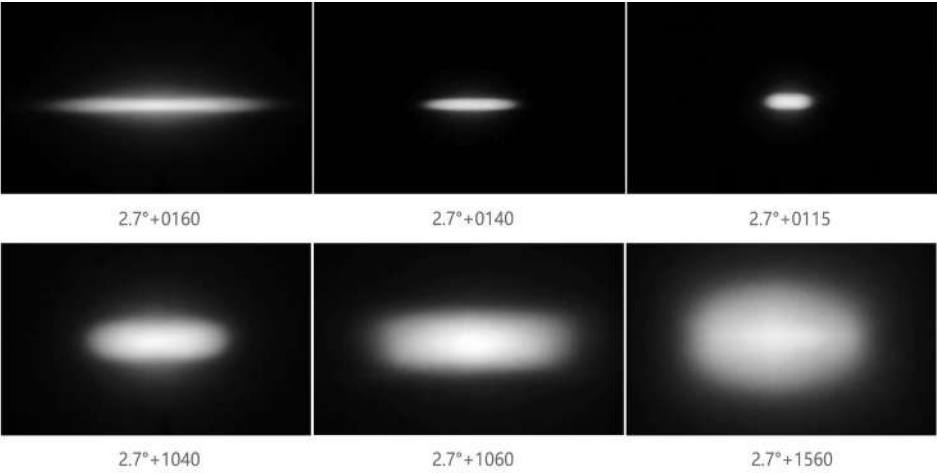


FWHM:50 FA:60

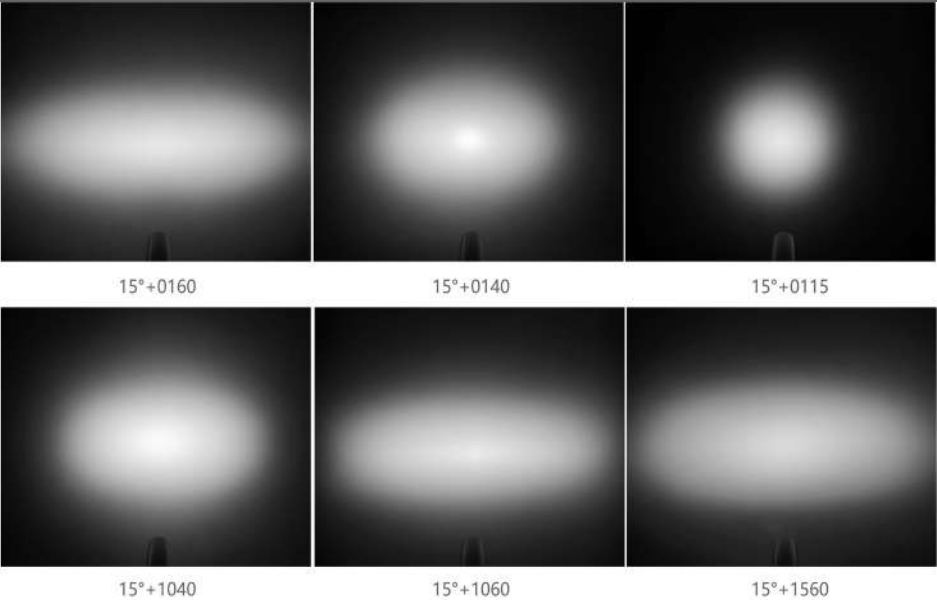


Elliptical Optics

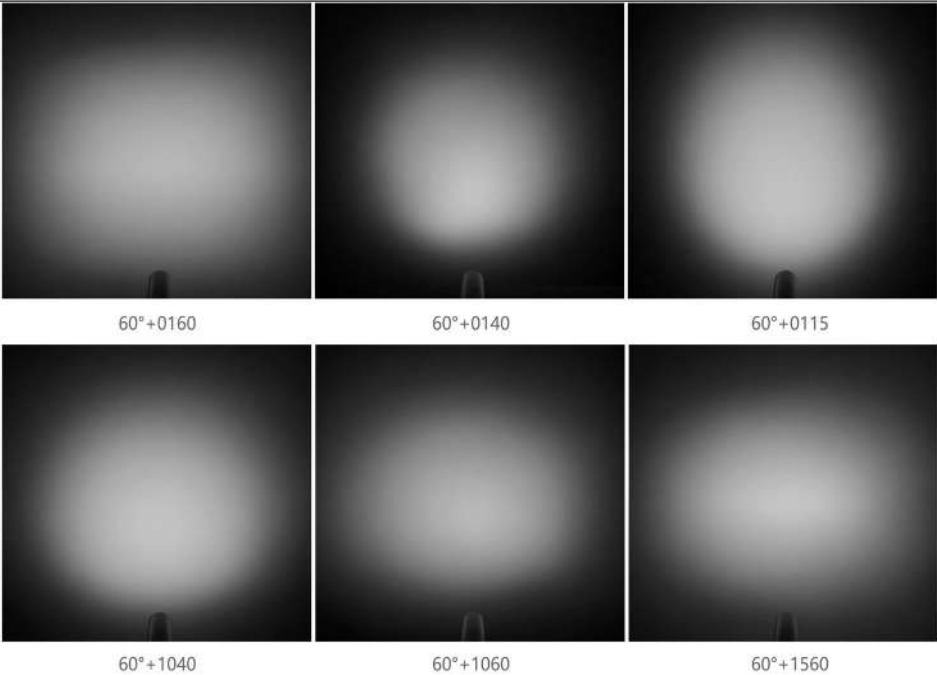
Elliptical light:
Elliptical lens 2.7°+0160
Elliptical lens 2.7°+0140
Elliptical lens 2.7°+0115
Elliptical lens 2.7°+1060
Elliptical lens 2.7°+1040
Elliptical lens 2.7°+1560



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



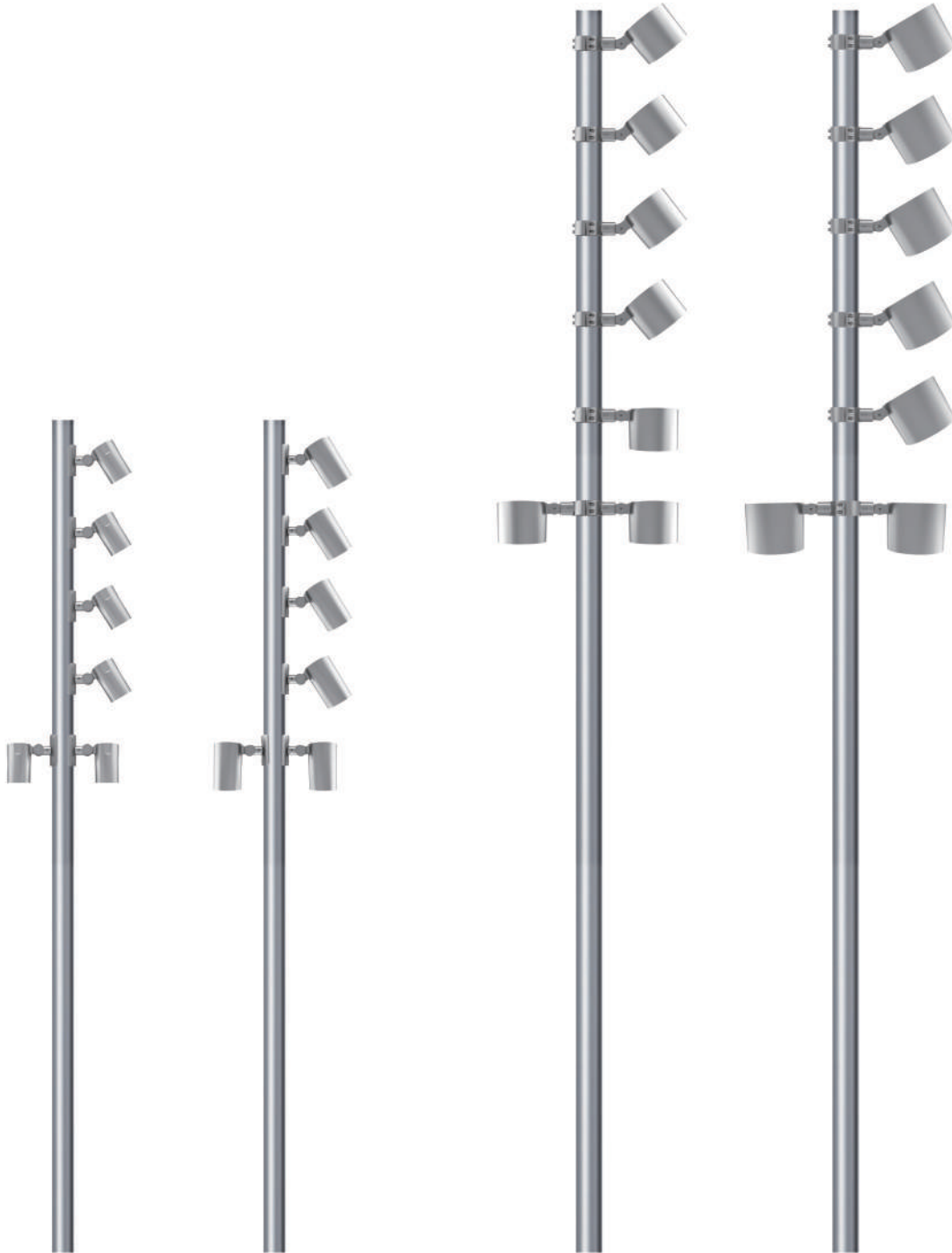
Elliptical light:
Elliptical lens 60°+0160
Elliptical lens 60°+0140
Elliptical lens 60°+0115
Elliptical lens 60°+1060
Elliptical lens 60°+1040
Elliptical lens 60°+1560



Elliptical Optics

Orinal optic	Elleptical lens 0160		Elleptical lens 0140		Elleptical lens 0115		Elleptical lens 1060		Elleptical 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°
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
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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

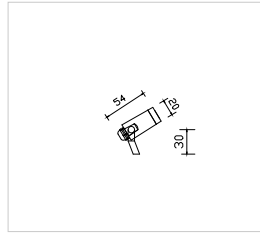


U-bracket



Disk U-shaped bracket

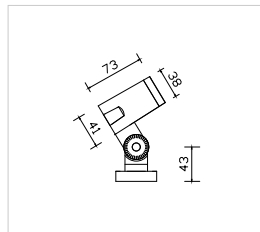
Lens version



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

Weight: 0.08KG
Power: DC24V
Color temperature: Monochrome

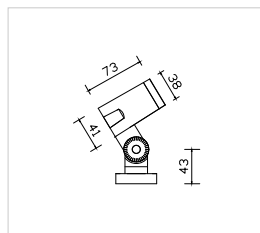
Reflector -Ultra narrow beam



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP40-3WA3Q7-BS	3	3285	3.2	7.1	155	16
SP40-3WA4Q10-SS	3	4588	4.2	9.7	155	41.3

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

Lens version



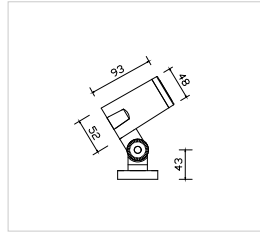
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP40-3WA10-LV	3	1788	9	20	287	78
SP40-3WA15-LV	3	940	18	34	281	113
SP40-3WA24-LV	3	535	22	40	281	93
SP40-3WA36-LV	3	384	39	64	281	172
SP40-3WA50-LV	3	243	51	81	271	175
SP40-3WA1040-LV	3	729	10*40		223	111
SP40-3WA1060-LV	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

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



Light output value base on 3000K ;
Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10° , and Useful efficiency lost approximately 25%-30%.

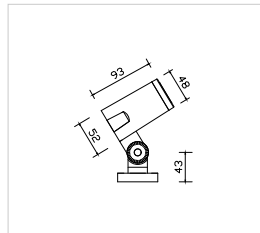
Reflector -Ultra narrow beam



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

Weight: 0.46KG
 Power: DC24V
 Color temperature: Monochrome
 Driver: Build-in on/off, dimmable DMX512/0-10V driver

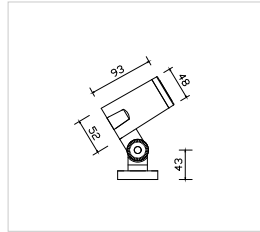
Reflector version



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

Weight: 0.46KG
 Power: DC24V
 Color temperature: Monochrome
 Driver: Build-in on/off, dimmable DMX512/0-10V driver

Lens version



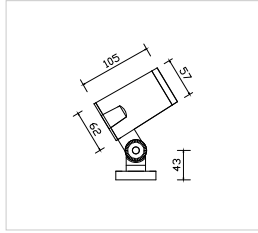
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-6WA10-LV	6	3577	9	20	574	157
SP50-6WA15-LV	6	1881	18	34	562	226
SP50-6WA24-LV	6	1071	22	40	563	186
SP50-6WA36-LV	6	770	39	64	562	344
SP50-6WA50-LV	6	486	51	81	543	350
SP50-6WA0520-LV	6	3644	5*20		462	180
SP50-6WA10-LV-RGBW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

Weight: 0.46KG
 Power: DC24V
 Color temperature: Monochrome
 Driver: Build-in on/off, dimmable DMX512/0-10V driver



Light output value base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

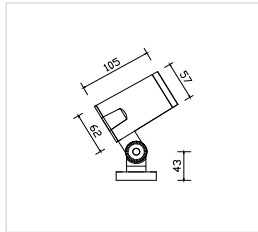
Reflector -Ultra narrow beam



CODE	WATT (W)	Intensity (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

Weight: 0.71KG
 Power: DC24V
 Color temperature: Monochrome/RGB/RGBW
 Driver: Build-in on/off, dimmable DMX512/0-10V driver

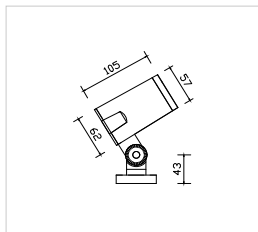
Reflector version



CODE	WATT (W)	Intensity (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

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

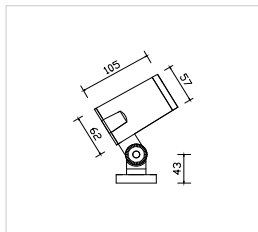
Reflector wall washer



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

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

Lens version

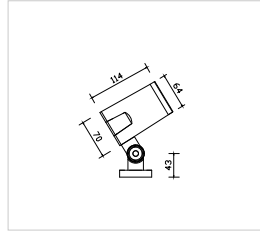


CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP60-9WA10-LV	9	5548	9	20	890	243
SP60-9WA15-LV	9	2917	18	34	872	351
SP60-9WA24-LV	9	1661	22	40	871	289
SP60-9WA36-LV	9	1154	39	64	843	516
SP60-9WA50-LV	9	729	51	81	815	516
SP60-9WA0520-LV	9	5466	5*20		692	270
SP60-9WA10-LV-RGBW	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

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

Light output value base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

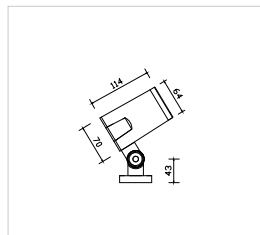
Reflector version



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

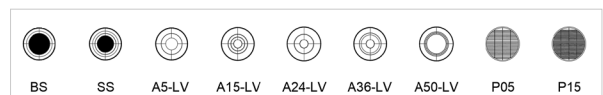
CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP75-F15WA13Q27-LV	15	8394	13	27	1350	604
SP75-F15WA22Q35-LV	15	5801	22	35	1350	857
SP75-F15WA34Q47-LV	15	3382	34	47	1350	1006
SP75-F15WA49Q77-LV	15	1475	49	77	1431	955
SP75-F15WA1040-LV	15	3647	10°40		1113	556
SP75-F15WA1060-LV	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



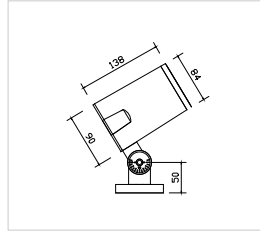
Weight: 0.82KG
 Power: DC24V/AC220V (AC220V only for non-dimmable version)
 Color temperature: Monochrome/RGB/RGBW
 Driver: Build-in on/off, dimmable DMX512/0-10V driver

CODE	WATT (W)	Intensity (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 base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10° , and Useful efficiency lost approximately 25%-30%.

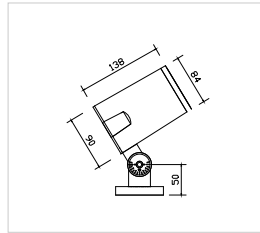
Reflector -Ultra narrow beam



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

Weight: 1.5KG
 Power: DC24V/AC220V (AC220V only for non-dimmable version)
 Color temperature: Monochrome
 Driver: Build-in on/off, dimmable DMX512/0-10V driver

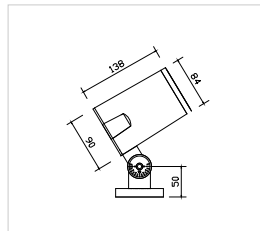
Reflector version



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

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

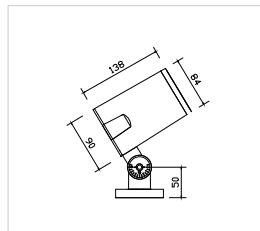
Reflector wall washer



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

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

Lens version



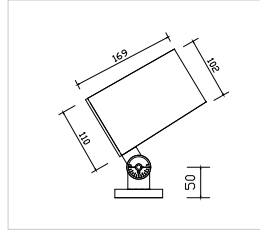
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP95-18WA10-LV	18	10732	9	20	1722	470
SP95-18WA15-LV	18	5643	18	34	1687	678
SP95-18WA24-LV	18	3213	22	40	1687	558
SP95-18WA36-LV	18	2308	39	64	1687	1033
SP95-18WA50-LV	18	1458	51	81	1629	1049
SP95-18WA0520-LV	18	10932	5*20		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

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



Light output value base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam

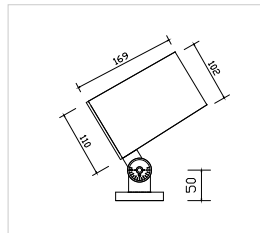


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-P12WA3Q5-BS	12	33677	3.1	5.3	672	101
SP100-P12WA3Q6-SS	12	54498	3.2	5.7	672	199
SP100-P12WA4Q7-LV	12	61434	3.4	7.1	672	311

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



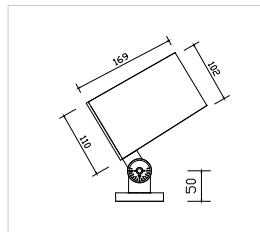
Reflector version



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

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

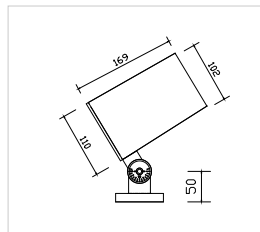
Reflector wall washer



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

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

Lens version

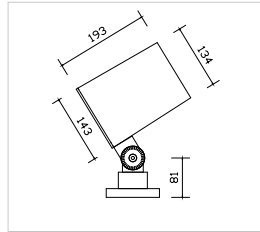


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-24WA10-LV	24	14308	9	20	2296	628
SP100-24WA15-LV	24	7524	18	34	2248	904
SP100-24WA24-LV	24	4284	22	40	2250	745
SP100-24WA36-LV	24	3078	39	64	2249	1377
SP100-24WA50-LV	24	1944	51	81	2172	1398
SP100-24WA0520-LV	24	14575	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

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

Light output value base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam

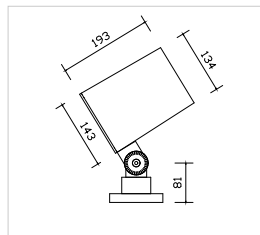


CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP135-P21WA3Q5-BS	21	58934	3.1	5.3	1176	178
SP135-P21WA3Q6-SS	21	96800	3.2	5.7	1176	353
SP135-P21WA4Q7-LV	21	109120	3.4	7.1	1176	552

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



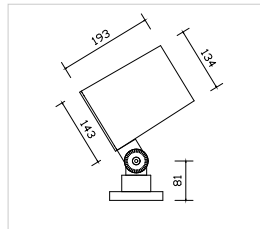
Reflector version



CODE	WATT (W)	Intensity (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

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

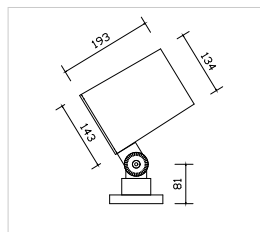
Reflector wall washer



CODE	WATT (W)	Intensity (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

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

Lens version

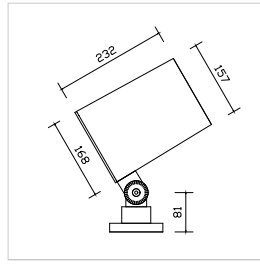


CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP135-36WA10-LV	36	21462	9	20	3445	942
SP135-36WA15-LV	36	11286	18	34	3372	1356
SP135-36WA24-LV	36	6426	22	40	3375.6	1117
SP135-36WA36-LV	36	4617	39	64	3374	2066
SP135-36WA50-LV	36	2916	51	81	3258	2098
SP135-36WA0520-LV	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

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

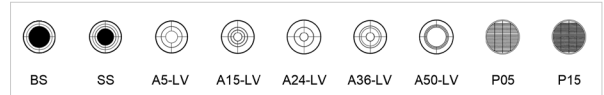
Light output value base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam

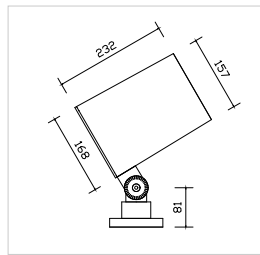


Weight: 5.3KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/RGB/RGBW
 Driver: Build-in on/off, dimmable DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
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



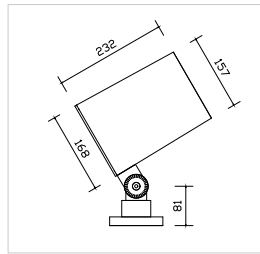
Reflector version



Weight: 5.3KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/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)
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

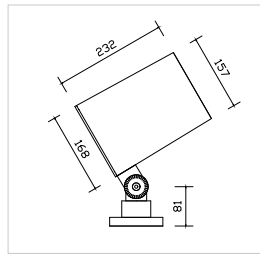
Reflector wall washer



Weight: 5.3KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/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)
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

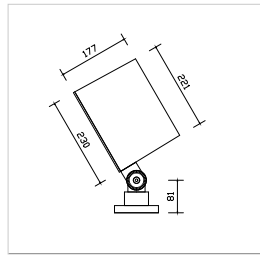


Weight: 5.3KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/RGB/RGBW
 Driver: Build-in on/off, dimmable DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
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

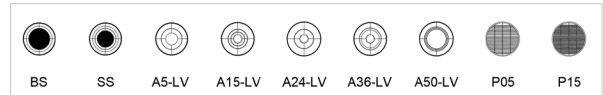
Light output value base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam

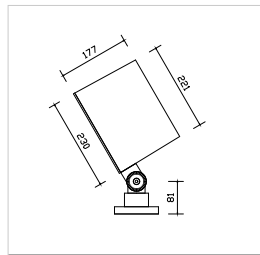


Weight: 7.2KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/RGB/RGBW
 Driver: Build-in on/off - dimmable DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
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



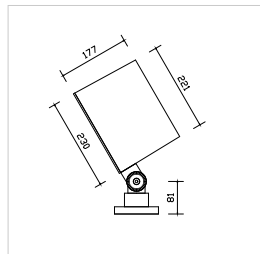
Reflector version



Weight: 7.2KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/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)
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

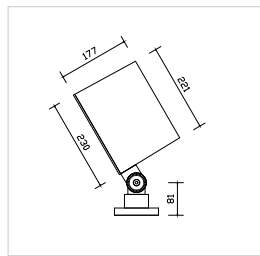
Reflector wall washer



Weight: 7.2KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/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)
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

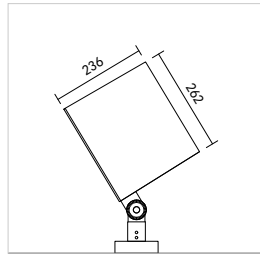


Weight: 7.2KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/RGB/RGBW
 Driver: Build-in on/off - dimmable DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
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

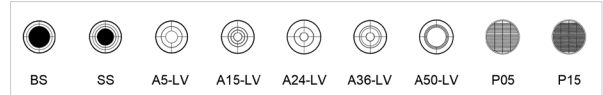
Light output value base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam

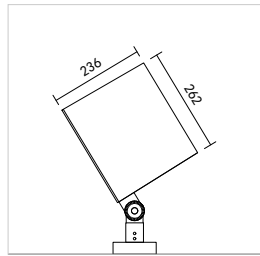


Weight: 10.5KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/RGB/RGBW
 Driver: Build-in on/off, dimmable DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
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



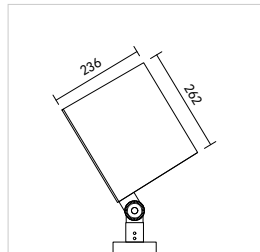
Reflector version



Weight: 10.5KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/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)
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

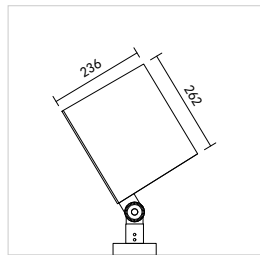
Reflector wall washer



Weight: 10.5KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/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)
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

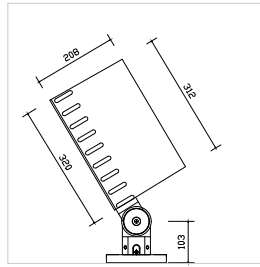


Weight: 10.5KG
 Power: DC24V/AC220V
 Color temperature: Monochrome/RGB/RGBW
 Driver: Build-in on/off, dimmable DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
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

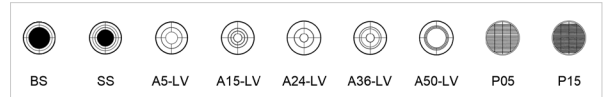
Light output value base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam

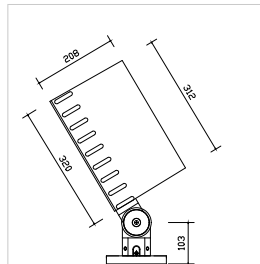


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP310-P150WA3Q5-BS	150	420960	3.1	5.3	8400	1268
SP310-P150WA3Q6-SS	150	681472	3.2	5.7	8400	2488
SP310-P150WA4Q7-LV	150	768205	3.4	7.1	8400	3884

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



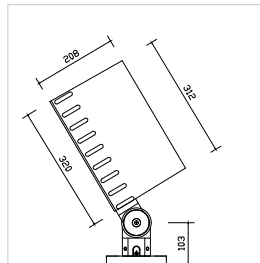
Reflector version



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-F150WA1040-LV	150	36475	10*40		11125	5563
SP310-F150WA1060-LV	150	22900	10*60		12150	6075
SP310-F150WA1460-LV	150	15625	14*60		13050	6525
SP310-F150WA2063-LV	150	11775	20*63		12450	6225

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

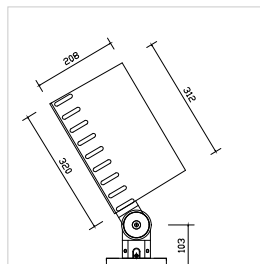
Reflector wall washer



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

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

Lens version

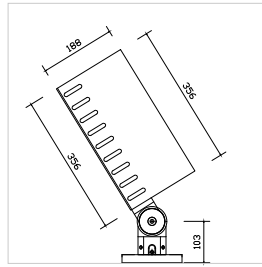


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP310-150WA10-LV	150	93002	9	20	14929	4082
SP310-150WA15-LV	150	48906	18	34	14612	5876
SP310-150WA24-LV	150	27846	22	40	14627	4840
SP310-150WA36-LV	150	19237	39	64	14060	8608
SP310-150WA50-LV	150	12150	51	81	13575	8740
SP310-150WA0520-LV	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

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

Light output value base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam

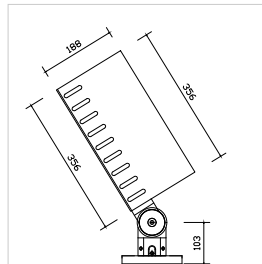


Weight: 15.2KG
 Power: AC220V
 Color temperature: Monochrome/RGB/RGBW
 Driver: Build-in on/off, dimmable DMX512/0-10V driver

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP360-P200WA3Q6-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



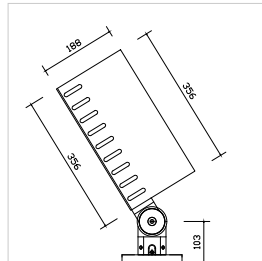
Reflector version



Weight: 15.2KG
 Power: AC220V
 Color temperature: Monochrome/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)
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

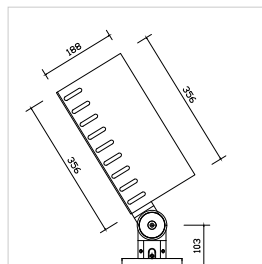
Reflector wall washer



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

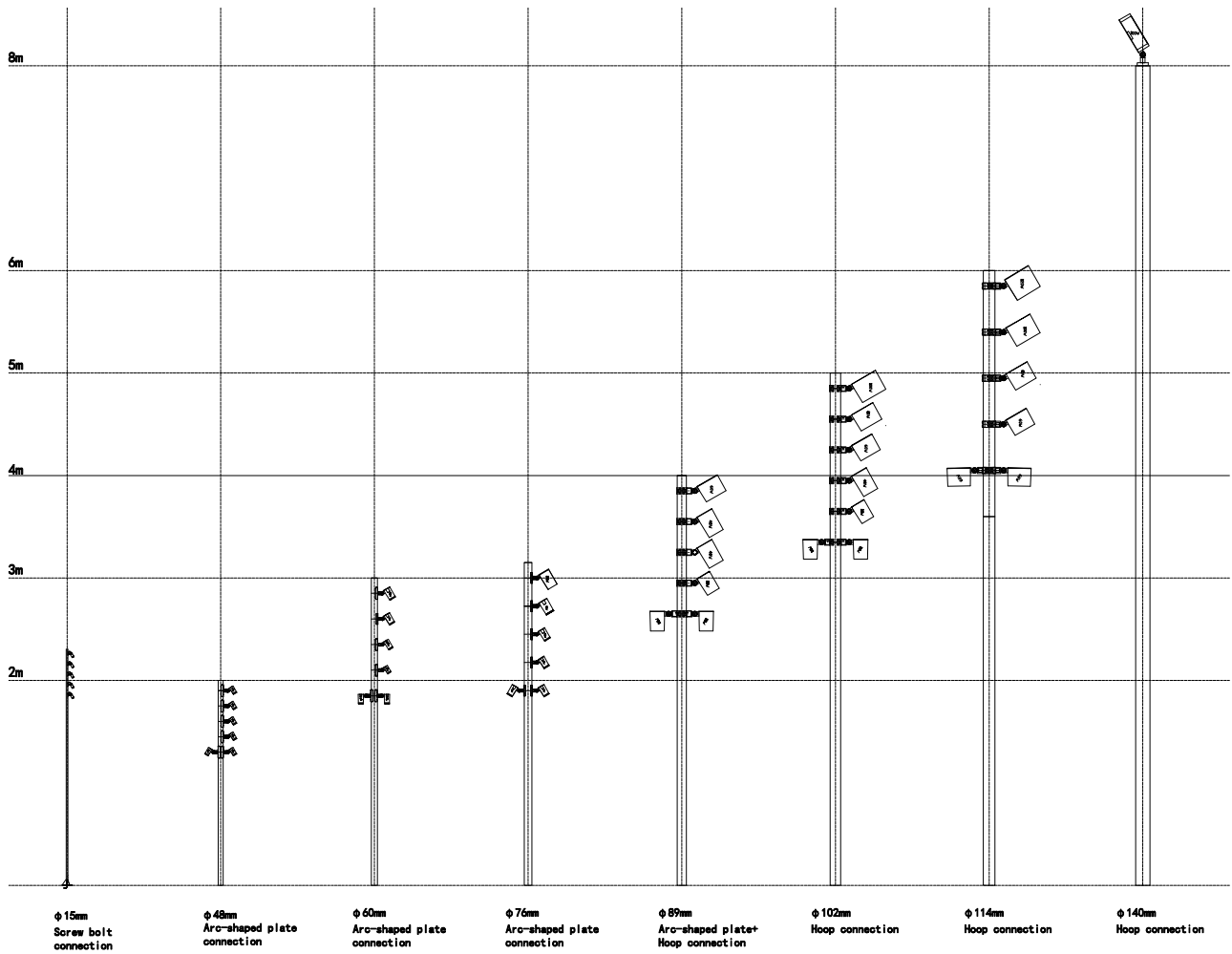
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP360-200WA10-LV	200	121618	9	20	19523	5338
SP360-200WA15-LV	200	63954	18	34	19108	7684
SP360-200WA24-LV	200	36424	22	40	19128	6329
SP360-200WA36-LV	200	25393	39	64	18569	11362
SP360-200WA50-LV	200	16038	51	81	17919	11537
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 base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and 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-B	48W SP160-B	80W SP220-B	100W SP260-B	150W SP310-B	200W SP390-B
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



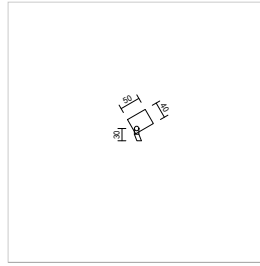
Specification

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 design for different optics,High efficiency;
 Surface color of 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

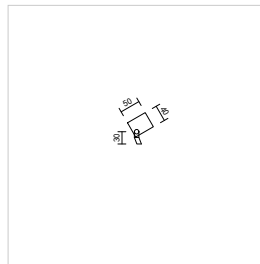


Reflector -Ultra narrow beam



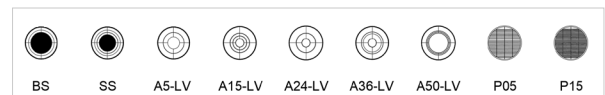
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP40-SP3WA3Q7-BS	3	3285	3.2	7.1	155	16
SP40-SP3WA4Q10-SS	3	4588	4.2	9.7	155	41

Lens version



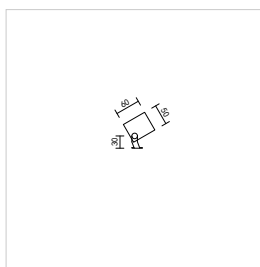
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP40-S3WA10-LV	3	1788	9	20	287	78
SP40-S3WA15-LV	3	940	18	34	281	113
SP40-S3WA24-LV	3	535	22	40	281	93
SP40-S3WA36-LV	3	384	39	64	281	172
SP40-S3WA50-LV	3	243	51	81	271	175
SP40-S3WA1040-LV	3	729	10*40		223	111
SP40-S3WA1060-LV	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
 Driver: Build-in on/off, dimmable DMX512/0-10V driver



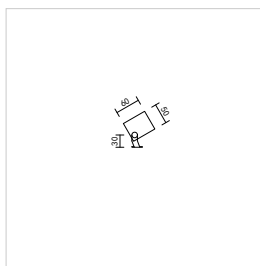
Light output value base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



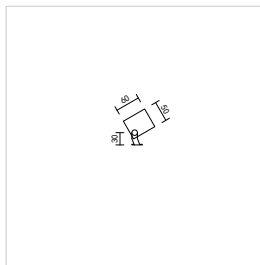
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-SP3WA3Q6-BS	3	6080	3.2	5.7	168	20
SP50-SP3WA3Q6-SS	3	8240	3.5	6.4	168	35
SP50-SP3WA4Q7-LV	3	10288	3.7	7.5	168	56

Reflector version



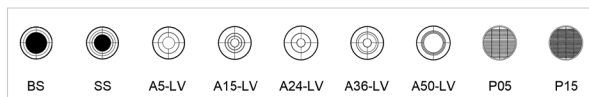
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-SF4WA8Q16-LV	4	3541	8	16	232	91
SP50-SF6WA13Q24-LV	6	2899	13	25	453	202
SP50-SF6WA20Q36-LV	6	2363	20	36	480	317
SP50-SF6WA32Q48-LV	6	1193	32	48	456	321
SP50-SF6WA49Q68-LV	6	540	49	68	717	308
SP50-SF6WA1040-LV	6	1459	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



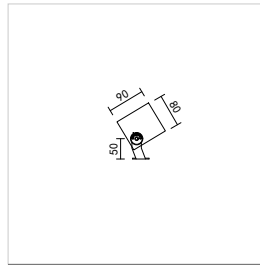
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-S6WA08-LV	6	3577	9	20	574	157
SP50-S6WA18-LV	6	1881	18	34	562	226
SP50-S6WA24-LV	6	1071	22	40	563	186
SP50-S6WA34-LV	6	770	39	64	562	344
SP50-S6WA50-LV	6	486	51	81	543	350
SP50-S6WA0520-LV	6	9955	5*20		462	180
SP50-S6WA18-LV-RGBW	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
 Driver: Build-in on/off - dimmable DMX512/0-10V driver



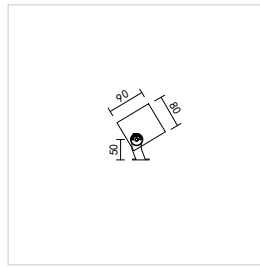
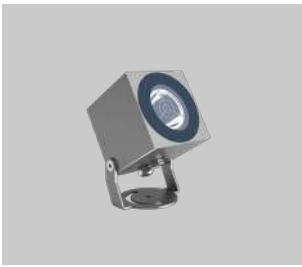
Light output value base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10° , and Useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



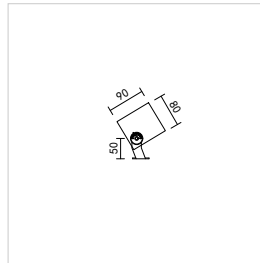
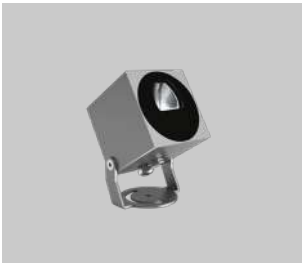
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-SG6WA3Q5-BS	6	7948	3.3	5.4	321	25
SP80-SG6WA4Q9-SS	6	9139	4.4	8.7	321	67

Reflector version



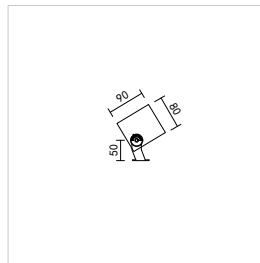
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-SF15WA13Q27-LV	15	8394	13	27	1350	604
SP80-SF15WA22Q35-LV	15	5801	22	35	1350	857
SP80-SF15WA34Q47-LV	15	3382	34	47	1350	1006
SP80-SF15WA49Q77-LV	15	1475	49	77	1431	955
SP80-SF15WA13Q27-LV-RGBW	15	5456	13	27	878	393
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



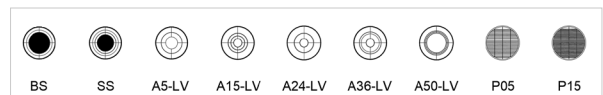
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-SF12WP15W	12	1080	44*72:P15	88*140:P15	925	925
SP80-SF12WP15H	12	2232	32*54:P15	45*90:P15	1080	1080
SP80-SF12WP15HW	12	1453	30*63:P15	80*160:P15	852	852

Lens version



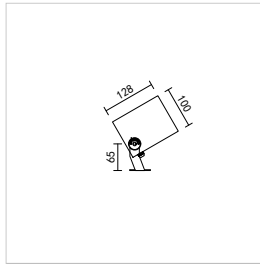
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-S15WA15-LV	15	4864	18	34	1455	585
SP80-S15WA24-LV	15	2769	22	40	1455	481
SP80-S15WA36-LV	15	1923	39	64	1455	851
SP80-S15WA50-LV	15	1256	51	81	1455	904
SP80-S15WA0520-LV	15	9110	5*20		1154	450
SP80-S15WA15-LV-RGBW	15	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/RGB/RGBW
 Driver: Build-in on/off /DALI dimmable/ DMX512/0-10V driver



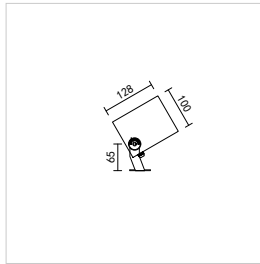
Light output value base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10° , and Useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



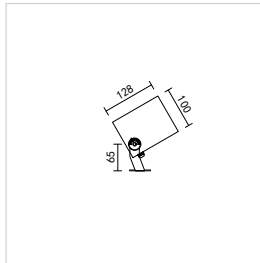
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-SP3WA1Q3-BS	3	12368	1.2	3.2	175	12
SP100-SP3WA2Q6-SS	3	20079	2	5.6	175	58
SP100-SP3WA3Q6-LV	3	30923	2.6	6.2	175	127
SP100-SG5WA2Q7-LV	5	26240	2	7.1	242	123
SP100-SH9WA3Q6-BS	9	12320	3.1	6	447	53
SP100-SH9WA4Q7-SS	9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

Reflector version



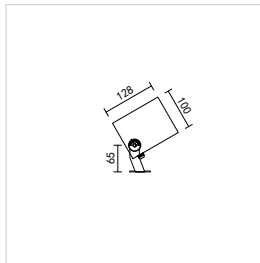
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-SF18WA12Q24-LV	18	12802	12	24	1646	726
SP100-SF18WA17Q30-LV	18	9157	17	30	1602	869
SP100-SF18WA20Q35-LV	18	8682	20	35	1569	1114
SP100-SF18WA33Q46-LV	18	5149	30	46	1542	1300
SP100-SF18WA48Q70-LV	18	1583	48	70	1481	921
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



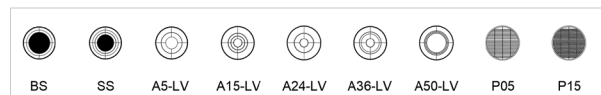
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-SF16WP15W	16	1438	44*72:P15	88*140:P15	1231	1231
SP100-SF24WP15H	24	4463	32*54:P15	45*90:P15	2161	2161
SP100-SF24WP15HW	24	2906	30*63:P15	80*160:P15	1703	1703

Lens version



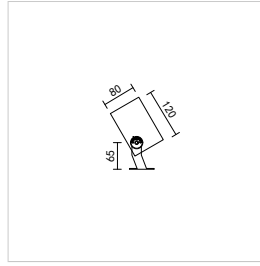
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-S18WA10-LV	18	10732	9	20	1722	470
SP100-S18WA15-LV	18	5643	18	34	1687	678
SP100-S18WA24-LV	18	3213	22	40	1687	558
SP100-S18WA36-LV	18	2308	39	64	1687	1033
SP100-S18WA50-LV	18	1458	51	81	1629	1049
SP100-S18WA10-LV-RGBW	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/RGB/RGBW
 Driver: Build-in on/off /DALI dimmable/ DMX512/0-10V driver



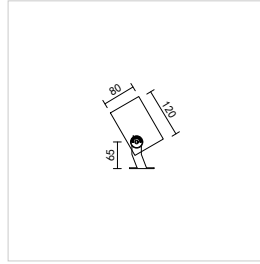
Light output value base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



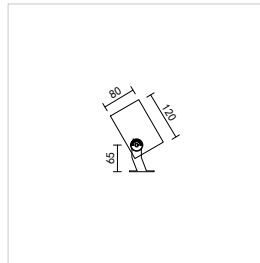
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-SP15WA3Q5-BS	15	33677	3.1	5.3	672	101
SP120-SP15WA3Q6-SS	15	68123	3.5	6.4	840	249
SP120-SP15WA4Q7-LV	15	76820	3.4	7.1	840	388

Reflector version



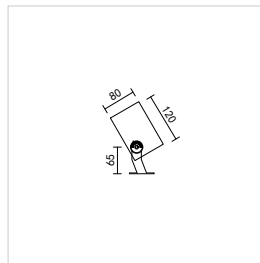
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-SF15WA8Q16-LV	15	14166	8	16	927	364
SP120-SF30WA13Q24-LV	30	14495	13	25	2265	1026
SP120-SF30WA20Q36-LV	30	11853	20	36	2382	1596
SP120-SF30WA32Q48-LV	30	5966	32	48	2333	1607
SP120-SF30WA49Q68-LV	30	2160	49	68	2868	1233
SP120-SF15WA8Q16-LV-RGBW	15	9208	8	16	603	237
SP120-SF30WA13Q24-LV-RGBW	30	9422	13	25	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



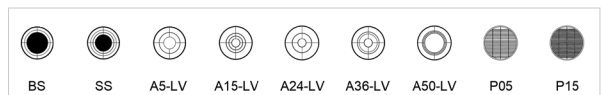
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-SF20WP15W	20	1798	44*72:P15	88*140:P15	1539	1539
SP120-SF24WP15H	24	4463	32*54:P15	45*90:P15	2161	2161
SP120-SF24WP15HW	24	2906	30*63:P15	80*160:P15	1703	1703

Lens version



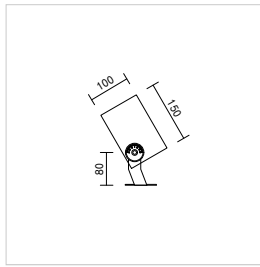
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-S24WA10-LV	24	14308	9	20	2296	628
SP120-S24WA15-LV	24	7524	18	34	2248	904
SP120-S24WA24-LV	24	4284	22	40	2250	745
SP120-S24WA36-LV	24	3078	39	64	2249	1377
SP120-S24WA50-LV	24	1944	51	81	2172	1398
SP120-S24WA0520-LV	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/RGB/RGBW
 Driver: Build-in on/off /DALI dimmable/ DMX512/0-10V driver



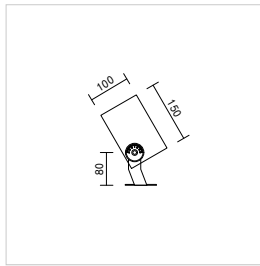
Light output value base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



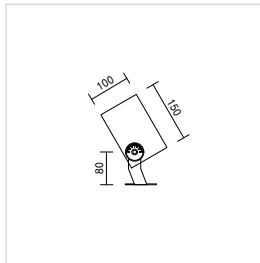
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-SG48WA4Q7-BS	48	53359	3.8	7.2	2568	280
SP150-SG48WA4Q9-SS	48	102442	4.6	9	2568	901

Reflector version



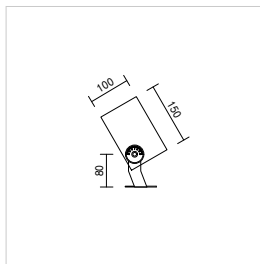
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-SF48WA11Q21-LV	48	27225	11	22	3975	1486
SP150-SF48WA16Q29-LV	48	22292	16	29	4248	2090
SP150-SF48WA23Q37-LV	48	15262	23	37	4234	2322
SP150-SF48WA33Q46-LV	48	10654	33	46	4176	3128
SP150-SF48WA49Q77-LV	48	4486	49	77	4354	2904
SP150-SF48WA11Q21-LV-RGBW	48	17696	11	22	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



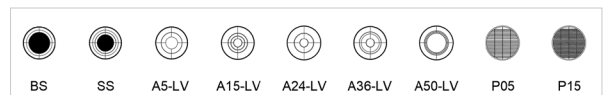
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-SF48WP15W	48	4318	44*72° P15	88*140:P15	3697	3697
SP150-SF36WP15H	36	6695	32*54:P15	45*90:P15	3241	3241
SP150-SF36WP15HW	36	4359	30*63:P15	80*160:P15	2555	2555

Lens version



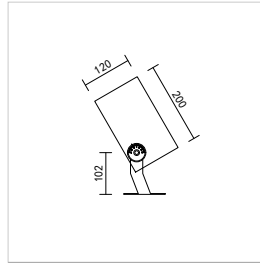
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-S48WA10-LV	48	28620	9	20	4593	1252
SP150-S48WA15-LV	48	15048	18	34	4500	1809
SP150-S48WA24-LV	48	8568	22	40	4500	1489
SP150-S48WA36-LV	48	6156	39	64	4499	2754
SP150-S48WA50-LV	48	3888	51	81	4344	2797
SP150-S48WA0520-LV	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/RGB/RGBW
 Driver: Build-in on/off /DALI dimmable/ DMX512/0-10V driver



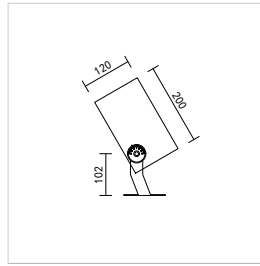
Light output value base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

Reflector -Ultra narrow beam



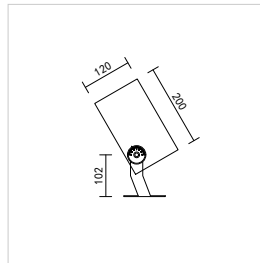
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-SP72WA3Q5-BS	72	202061	3.1	5.3	4032	609
SP200-SP72WA3Q6-SS	72	327184	3.5	6.4	4032	1195
SP200-SP72WA4Q7-LV	72	368825	3.4	7.1	4032	1865

Reflector version



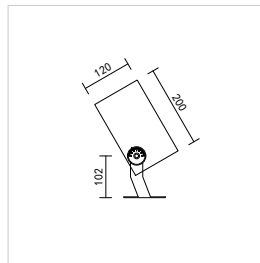
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-SF72WA8Q16-LV	72	63747	8	16	4172	1638
SP200-SF72WA13Q24-LV	72	34788	13	25	5436	2424
SP200-SF72WA20Q36-LV	72	28489	20	36	5276	3827
SP200-SF72WA32Q48-LV	72	14316	32	48	5472	3852
SP200-SF72WA49Q68-LV	72	6480	49	68	8604	3699
SP200-SF72WA8Q16-LV-RGBW	72	41436	8	16	2712	1065
SP200-SF72WA13Q24-LV-RGBW	72	22612	13	25	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



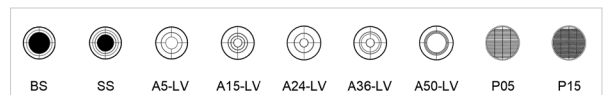
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-SF60WP15W	60	5397	44°72:P15	88°140:P15	4620	4620
SP200-SF60WP15H	60	11060	32°54:P15	45°90:P15	5400	5400
SP200-SF60WP15HW	60	7269	30°63:P15	80°160:P15	4260	4260

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/RGB/RGBW
 Driver: Build-in on/off /DALI dimmable/ DMX512/0-10V driver



Light output value base on 3000K ;
 Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.