













## Wall Square / Ceiling square



### Specification

Luminaire body material: 6061 aluminum (processed by CNC technology);  
 Anti-glare louvers design for different 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°;  
 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	9W 80*80mm	18W 100*100mm	24W 120*120mm	36/48W 150*150mm	60W 200*200mm








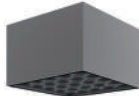
## Ceiling washer



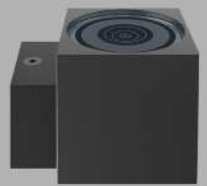
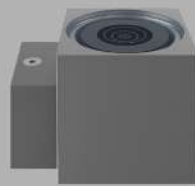
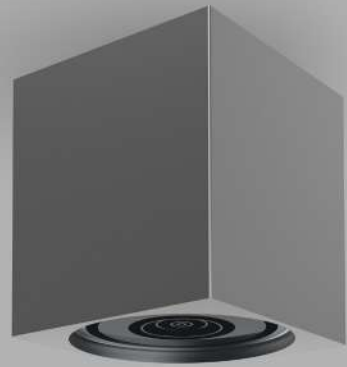
## Up/down light



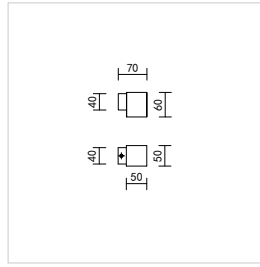
## Size

<b>Ceiling washer</b>					
	36W 150*150mm	60W 200*200mm	100W 250*250mm		
<b>Updown light</b>					
	2*6W 80*80mm	2*12W 100*100mm	2*18W 120*120mm	2*24W 150*150mm	2*40W 200*200mm

Wall square / Ceiling square  
50x50mm downlight

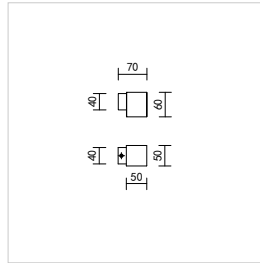


Wall light  
Reflector -Ultra narrow beam



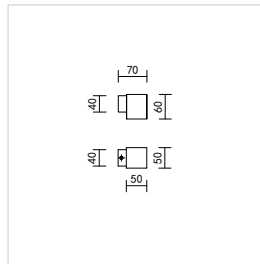
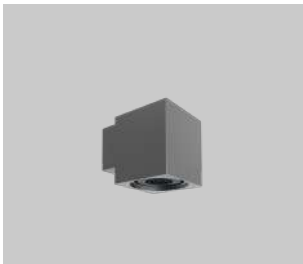
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-WSP3WA3Q5-BS	3	6080	3.2	5.7	168	20
SP50-WSP3WA3Q6-SS	3	8240	3.5	6.4	168	35
SP50-WSP3WA4Q7-LV	3	10288	3.7	7.5	168	56

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	25	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

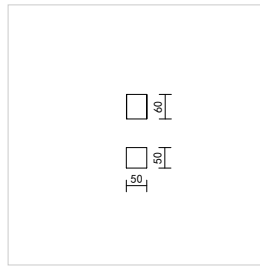


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-WS6WA10-LV	6	3577	9	21	574	157
SP50-WS6WA15-LV	6	1881	18	34	562	226
SP50-WS6WA24-LV	6	1071	22	41	563	186
SP50-WS6WA36-LV	6	770	39	64	562	344
SP50-WS6WA50-LV	6	486	51	81	543	350
SP50-WS6WA0520-LV	6	3644	5°20		462	
SP50-WS6WA10-LV-RGBW	6	2325	9	34	373	102
SP50-WS6WA15-LV-RGBW	6	1223	18	34	365	147
SP50-WS6WA24-LV-RGBW	6	696	22	18	366	121
SP50-WS6WA36-LV-RGBW	6	500	39	22	366	224
SP50-WS6WA50-LV-RGBW	6	316	51	39	353	228



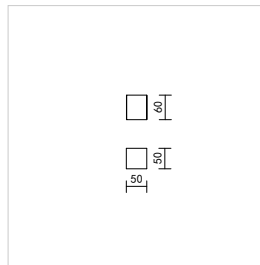
Light output value base on 3000K ;  
Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

Ceiling downlight  
Reflector -Ultra narrow beam



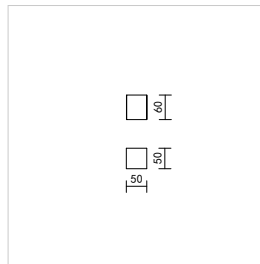
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-DSP3WA3Q5-BS	3	6080	3.2	5.7	168	19
SP50-DSP3WA3Q6-SS	3	8240	3.5	6.4	168	35
SP50-DSP3WA4Q7-LV	3	10288	3.7	7.5	168	56

Ceiling downlight  
Reflector version

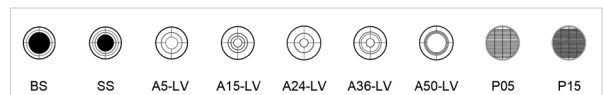


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP50-DSF6WA13Q24-LV	6	2899	13	25	453	202
SP50-DSF6WA20Q36-LV	6	2363	20	36	480	317
SP50-DSF6WA32Q48-LV	6	1193	32	48	456	321
SP50-DSF6WA49Q68-LV	6	540	49	68	717	308
SP50-DSF6WA1040-LV	6	1459	10*40		445	223
SP50-DSF6WA1060-LV	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-DS6WA63-LV	6	486	51	81	543	350
SP50-DS6WA0520-LV	6	9955	5*20		462	180
SP50-DS6WA18-LV-RGBW	6	1222	9	20	365	146
SP50-DS6WA24-LV-RGBW	6	696	18	34	365	120
SP50-DS6WA34-LV-RGBW	6	500	22	40	365	223
SP50-DS6WA63-LV-RGBW	6	315	39	64	352	227

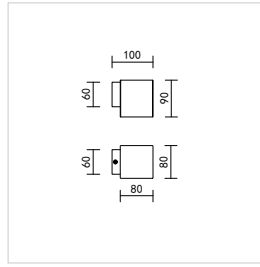


Light output value base on 3000K ;  
Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10° , and Useful efficiency lost approximately 25%-30%.

Wall square / Ceiling square  
80x80mm downlight

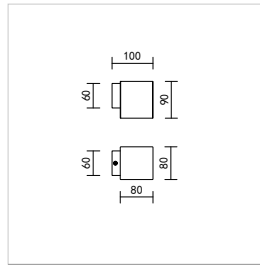


Wall downlight  
Reflector -Ultra narrow beam



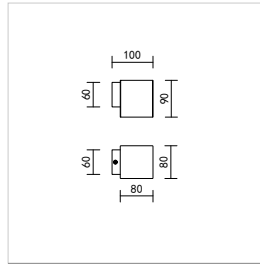
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-WSG6WA3Q5-BS	6	7948	3.3	5.4	321	25
SP80-WSG6WA4Q9-SS	6	9139	4.4	8.7	321	67

Wall light  
Reflector version



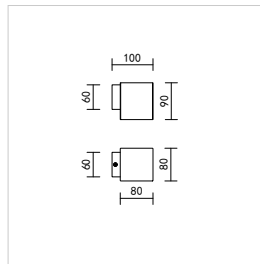
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-WSF15WA13Q27-LV	15	8394	13	27	1350	604
SP80-WSF15WA22Q35-LV	15	5801	22	35	1350	857
SP80-WSF15WA34Q47-LV	15	3382	34	47	1350	1006
SP80-WSF15WA49Q77-LV	15	1475	49	77	1431	955
SP80-WSF15WA1040-LV	15	3647	10*40		1113	556
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 wall 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

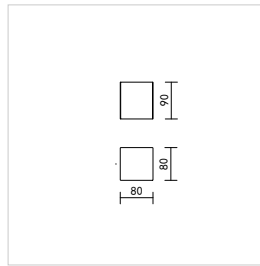
Wall light  
Lens version



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

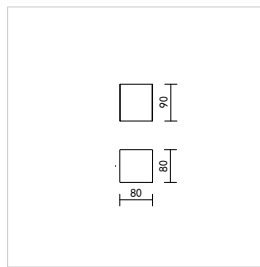
Light output value base on 3000K ;  
Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10° , and Useful efficiency lost approximately 25%-30%.

Ceiling downlight  
Reflector -Ultra narrow beam



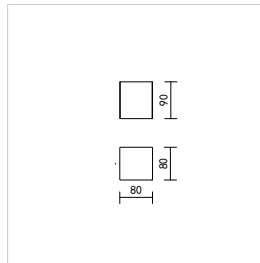
CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-DSG6WA3Q5-BS	6	7948	3.3	5.4	321	25
SP80-DSG6WA4Q9-SS	6	9139	4.4	8.7	321	67

Ceiling downlight  
Reflector version



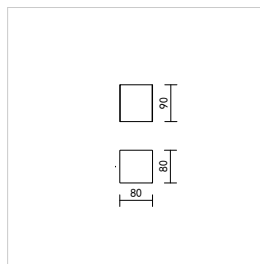
CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-DSF15WA13Q27-LV	15	8394	13	27	1350	604
SP80-DSF15WA22Q35-LV	15	5801	22	35	1350	857
SP80-DSF15WA34Q47-LV	15	3382	34	47	1350	1006
SP80-DSF15WA49Q77-LV	15	1475	49	77	1431	955
SP80-DSF15WA1040-LV	15	3647	10*40		1113	556
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



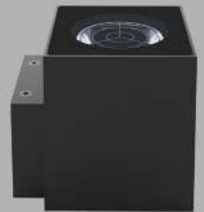
CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-WSF12WP15H	12	2232	32*54:P15	45*90:P15	1080	1080
SP80-WSF12WP15HW	12	1453	30*63:P15	80*160:P15	852	852
SP80-WSF12WP15W	12	1080	44*72° P15	88*140:P15	925	925

Ceiling downlight  
Lens version

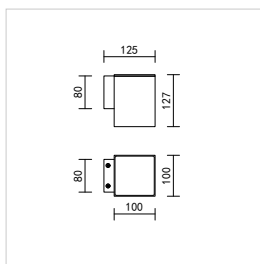


CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP80-DS15WA15-LV	15	4864	18	34	1455	585
SP80-DS15WA24-LV	15	2769	22	40	1455	481
SP80-DS15WA36-LV	15	1923	39	64	1455	851
SP80-DS15WA50-LV	15	1256	51	81	1455	904
SP80-DS15WA0520-LV	15	9110	5*20		1154	450
SP80-DS15WA15-LV-RGBW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

Wall square / Ceiling square  
100x100mm downlight

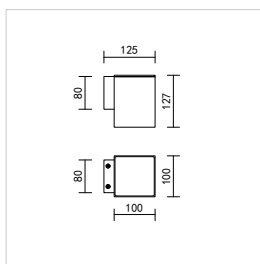


## Wall light Reflector -Ultra narrow beam



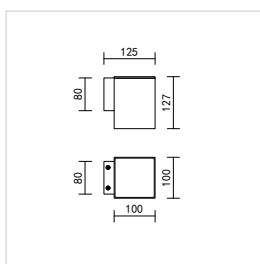
CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-WSP3WA1Q3-BS	3	12368	1.2	3.2	175	12
SP100-WSP3WA2Q6-SS	3	20079	2	5.6	175	58
SP100-WSP3WA3Q6-LV	3	30923	2.6	6.2	175	127
SP100-WSG5WA2Q7-LV	5	26240	2	7.1	242	123
SP100-WSH9WA3Q6-BS	9	12320	3.1	6	447	53
SP100-WSH9WA4Q7-SS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

## Wall light Reflector version



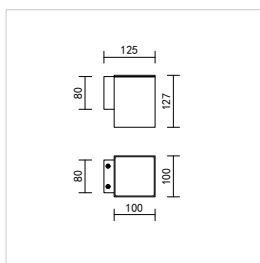
CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-WSF18WA12Q25-LV	18	12802	12	24	1646	726
SP100-WSF18WA15Q28-LV	18	9157	17	30	1602	869
SP100-WSF18WA21Q37-LV	18	8682	20	35	1569	1114
SP100-WSF18WA33Q49-LV	18	5149	30	46	1542.5	1300
SP100-WSF18WA48Q70-LV	18	1583	48	70	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 wall washer



CODE	WATT (W)	Intensity (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

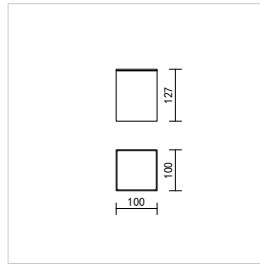


CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-WS18WA10-LV	18	10732	9	20	1722	470
SP100-WS18WA15-LV	18	5643	18	34	1687	678
SP100-WS18WA24-LV	18	3213	22	40	1687	558
SP100-WS18WA36-LV	18	2308	39	64	1687	1033
SP100-WS18WA50-LV	18	1458	51	81	1629	1049
SP100-WS18WA0520-LV	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



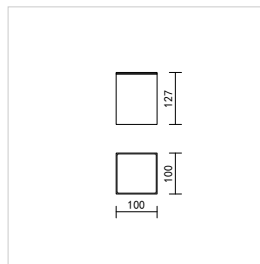
Light output value base on 3000K ;  
Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

## Ceiling downlight Reflector -Ultra narrow beam



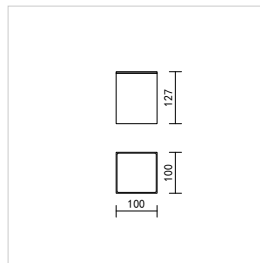
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-DSP3WA1Q3-BS	3	12368	1.2	3.2	175	12
SP100-DSP3WA2Q6-SS	3	20079	2	5.6	175	58
SP100-DSP3WA3Q6-LV	3	30923	2.6	6.2	175	127
SP100-DSG5WA2Q7-LV	5	26240	2	7.1	242	123
SP100-DSH9WA3Q6-BS	9	12320	3.1	6	447	53
SP100-DSH9WA4Q7-SS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

## Ceiling downlight Reflector version



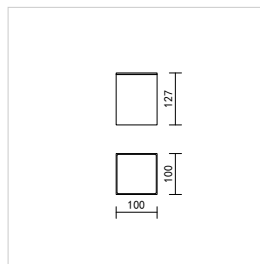
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-DSF18WA12Q25-LV	18	12802	12	24	1646	726
SP100-DSF18WA15Q28-LV	18	9157	17	30	1602	869
SP100-DSF18WA21Q37-LV	18	8682	20	35	1569	1114
SP100-DSF18WA33Q49-LV	18	5149	30	46	1542.5	1300
SP100-DSF18WA48Q70-LV	18	1583	48	70	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

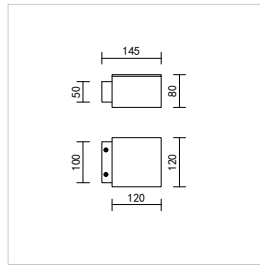


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-DS18WA10-LV	18	10732	9	20	1722	470
SP100-DS18WA15-LV	18	5643	18	34	1687	678
SP100-DS18WA24-LV	18	3213	22	40	1687	558
SP100-DS18WA36-LV	18	2308	39	64	1687	1033
SP100-DS18WA50-LV	18	1458	51	81	1629	1049
SP100-DS18WA0520-LV	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

Wall square / Ceiling square  
120x120mm downlight

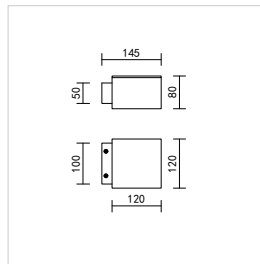


## Wall light Reflector -Ultra narrow beam



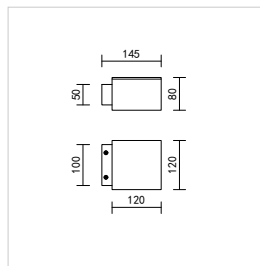
CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-WSP15WA3Q6-SS	15	68123	3.2	5.7	840	249
SP120-WSP15WA4Q7-LV	15	76820	3.4	7.1	840	388

## Wall light Reflector version



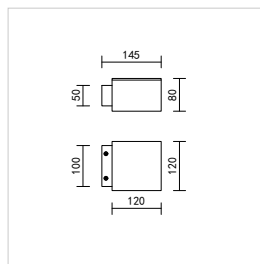
CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-WSF30WA13Q24-LV	30	14495	13	25	2265	1026
SP120-WSF30WA20Q36-LV	30	11853	20	36	2382	1596
SP120-WSF30WA32Q48-LV	30	5966	32	48	2333	1607
SP120-WSF30WA49Q68-LV	30	2160	49	68	2868	1233
SP120-WSF30WA1040-LV	30	7295	10*40		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 wall washer

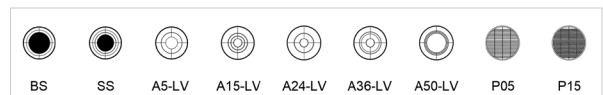


CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-WSF20WP15W	20	1798	44*72° P15	88*140:P15	1539	1539
SP120-WSF24WP15H	24	4463	32*54:P15	45*90:P15	2161	2161
SP120-WSF24WP15HW	24	2906	30*63:P15	80*160:P15	1703	1703

## Wall light Lens version

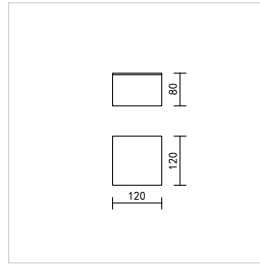


CODE	WATT (W)	Intensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-WS24WA10-LV	24	14308	9	20	2296	628
SP120-WS24WA15-LV	24	7524	18	34	2248	904
SP120-WS24WA24-LV	24	4284	22	40	2250	745
SP120-WS24WA36-LV	24	3078	39	64	2249	1377
SP120-WS24WA50-LV	24	1944	51	81	2172	1398
SP120-WS24WA0520-LV	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



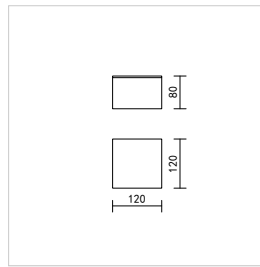
Light output value base on 3000K ;  
Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

## Ceiling downlight Reflector -Ultra narrow beam



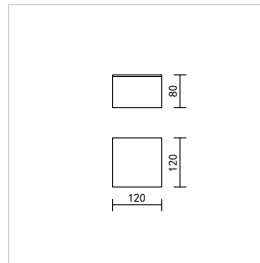
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-DSP15WA3Q6-SS	15	68123	3.2	5.7	840	249
SP120-DSP15WA4Q7-LV	15	76820	3.4	7.1	840	388

## Ceiling downlight Reflector version



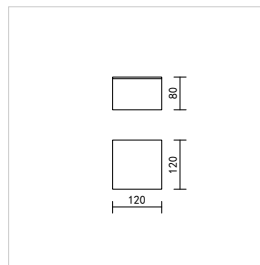
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-DSF16WA8Q16-LV	16	14166	8	16	927	364
SP120-DSF30WA13Q24-LV	30	14495	13	25	2265	1026
SP120-DSF30WA20Q36-LV	30	11869	20	36	2382	1596
SP120-DSF30WA32Q48-LV	30	5966	32	48	2333	1607
SP120-DSF30WA49Q68-LV	30	2160	49	68	2868	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

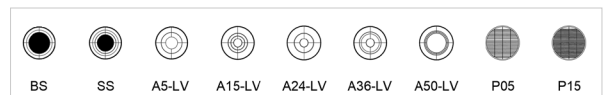


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-DSF20WP15W	20	971	44*72° P15	88*140:P15	980	980
SP120-DSF24WP15H	24	5375	32*54:P15	45*90:P15	2003	2003
SP120-DSF24WP15HW	24	1453	30*63:P15	80*160:P15	852	851

## Ceiling downlight Lens version

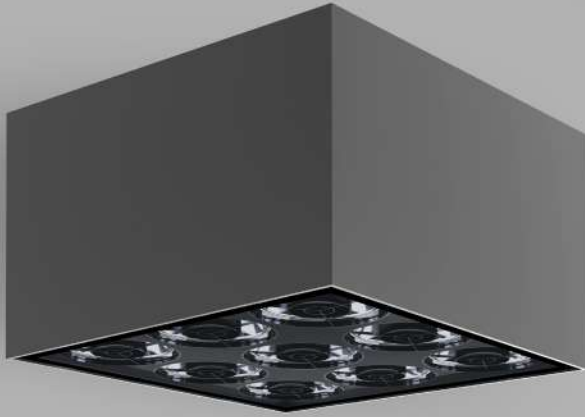


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-DS24WA10-LV	24	14308	9	20	2296	628
SP120-DS24WA15-LV	24	7524	18	34	2248	904
SP120-DS24WA24-LV	24	4284	22	40	2250	745
SP120-DS24WA36-LV	24	3078	39	64	2249	1377
SP120-DS24WA50-LV	24	1944	51	81	2172	1398
SP120-DS24WA0520-LV	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

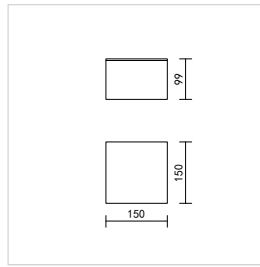


Light output value base on 3000K ;  
Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

Wall square / Ceiling square  
150x150mm downlight

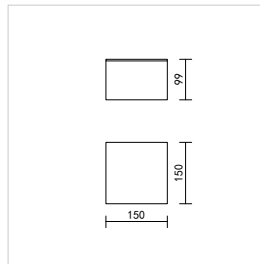


## Wall light Reflector -Ultra narrow beam



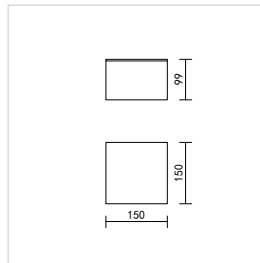
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-WSG48WA4Q7-BS	48	53359	3.8	7.2	2568	280
SP150-WSG48WA4Q9-SS	48	102442	4.6	9	2568	901

## Wall light Reflector version



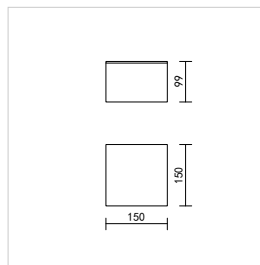
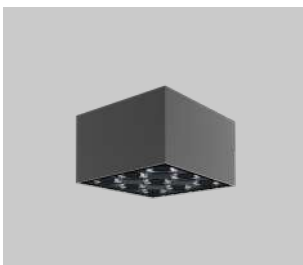
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-WSF48WA11Q21-LV	48	27225	11	22	3975	1486
SP150-WSF48WA16Q29-LV	48	22292	16	29	4248	2090
SP150-WSF48WA23Q37-LV	48	15262	23	37	4234	2322
SP150-WSF48WA33Q46-LV	48	10654	33	46	4176	3128
SP150-WSF48WA49Q77-LV	48	4486	49	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 wall washer

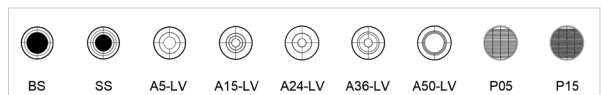


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-WSF48WP15W	48	4318	44*72° P15	88*140:P15	3697	3697
SP150-WSF36WP15H	36	6695	32*54:P15	45*90:P15	3241	3241
SP150-WSF36WP15HW	36	4359	30*63:P15	80*160:P15	2555	2555

## Wall light Lens version

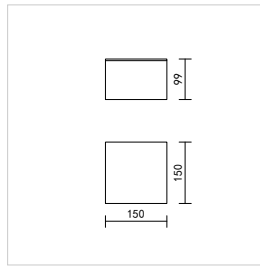


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-WS48WA10-LV	48	28620	9	20	4593	1252
SP150-WS48WA15-LV	48	15048	18	34	4500	1809
SP150-WS48WA24-LV	48	8568	22	40	4500	1489
SP150-WS48WA36-LV	48	6156	39	64	4499	2754
SP150-WS48WA50-LV	48	3888	51	81	4344	2797
SP150-WS48WA0520-LV	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



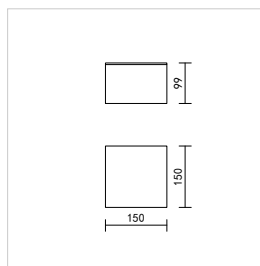
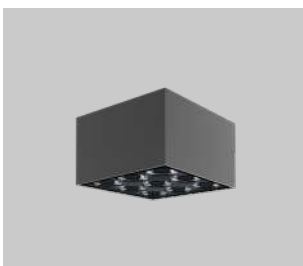
Light output value base on 3000K ;  
Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

## Ceiling downlight Reflector -Ultra narrow beam



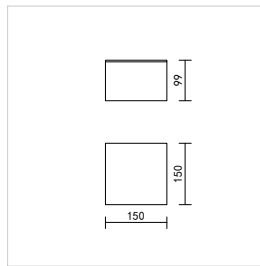
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-DSG48WA4Q7-BS	48	53359	3.8	7.2	2568	280
SP150-DSG48WA4Q9-SS	48	102442	4.6	9	2568	901

## Ceiling downlight Reflector version



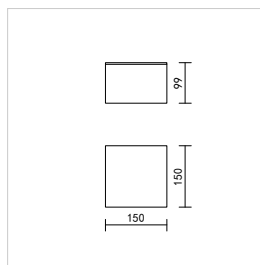
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-DSF48WA11Q21-LV	48	27225	11	22	3975	1486
SP150-DSF48WA16Q29-LV	48	22292	16	29	4248	2090
SP150-DSF48WA23Q37-LV	48	15262	23	37	4234	2322
SP150-DSF48WA33Q46-LV	48	10654	33	46	4176	3128
SP150-DSF48WA49Q77-LV	48	4486	49	77	4354	2904
SP160-DSF48WA1040-LV	48	11672	10*40		3560	1780
SP160-DSF48WA1060-LV	48	7328	10*60		3888	1944
SP160-DSF48WA1460-LV	48	5000	14*60		4176	2088
SP160-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-DSF24WP15W	24	1164	44*72:P15	88*140:P15	1175	1175
SP150-DSF36WP15H	36	8058	32*54:P15	45*90:P15	3003	3003
SP150-DSF36WP15HW	36	2180	30*63:P15	80*160:P15	1278	1278

## Ceiling downlight Lens version

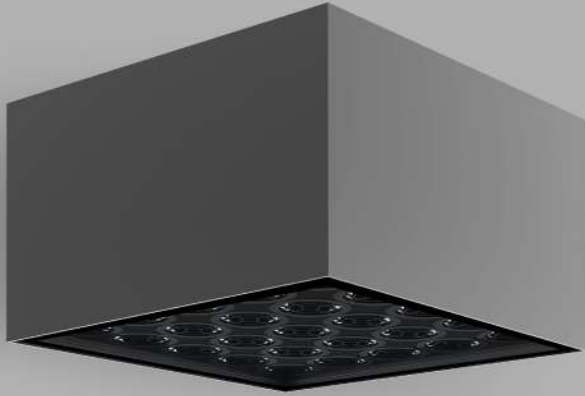


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-DS48WA10-LV	48	28620	9	20	4593	1252
SP150-DS48WA15-LV	48	15048	18	34	4500	1809
SP150-DS48WA24-LV	48	8568	22	40	4500	1489
SP150-DS48WA36-LV	48	6156	39	64	4499	2754
SP150-DS48WA50-LV	48	3888	51	81	4344	2797
SP150-DS48WA0520-LV	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

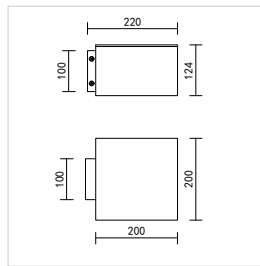


Light output value base on 3000K ;  
Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10° , and Useful efficiency lost approximately 25%-30%.

Wall square / Ceiling square  
200x200mm downlight

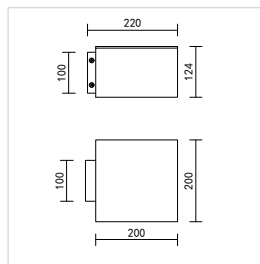


## Wall light Reflector -Ultra narrow beam



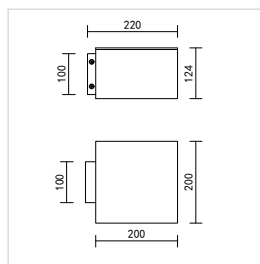
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-WSP72WA3Q6-SS	72	327184	3.5	6.4	4032	1195
SP200-WSP72WA4Q7-LV	72	368825	3.4	7.1	4032	1865

## Wall light Reflector version



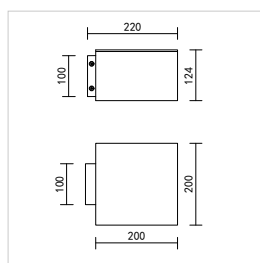
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-WSF72WA13Q24-LV	72	34788	13	25	5436	2424
SP200-WSF72WA20Q36-LV	72	28489	20	36	5276	3827
SP200-WSF72WA32Q48-LV	72	14316	32	48	5472	3852
SP200-WSF72WA49Q68-LV	72	6480	49	68	8604	3699
SP200-WSF72WA1040-LV	72	17508	10*40		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 wall washer

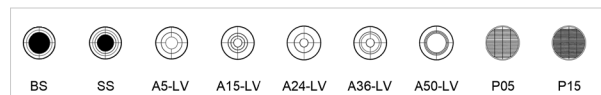


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-WSF60WP15W	60	5397	44*72: P15	88*140:P15	4620	4620
SP200-WSF60WP15H	60	11060	32*54:P15	45*90:P15	5400	5030
SP200-WSF60WP15HW	60	7269	30*63:P15	80*160:P15	4260	4260

## Wall light Lens version

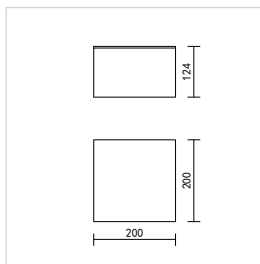


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-WS60WA10-LV	60	35770	9	20	5740	1570
SP200-WS60WA15-LV	60	18810	18	34	5620	2260
SP200-WS60WA24-LV	60	10710	22	40	5630	1860
SP200-WS60WA36-LV	60	7700	39	64	5620	3440
SP200-WS60WA50-LV	60	4860	51	81	5430	3500
SP200-WS60WA0520-LV	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 base on 3000K ;  
Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10° , and Useful efficiency lost approximately 25%-30%.

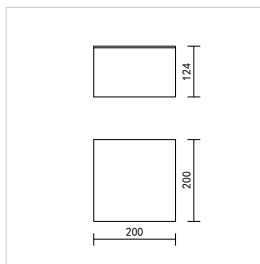
## Ceiling downlight Reflector -Ultra narrow beam



### CODE

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

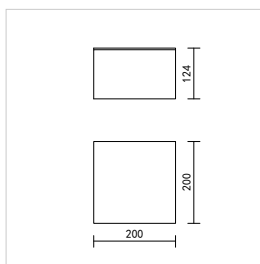
## Ceiling downlight Reflector version



### CODE

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-DSF72WA13Q24-LV	72	34788	13	25	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

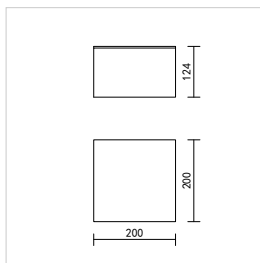
## Ceiling downlight Reflector wall washer



### CODE

CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-DSF36WP15W	36	1746	44*72:P15	88*140:P15	1763	1763
SP200-DSF60WP15H	60	11437	32*54:P15	45*90:P15	5007	5007
SP200-DSF60WP15HW	60	3635	30*63:P15	80*160:P15	2130	2130

## Ceiling downlight Lens version



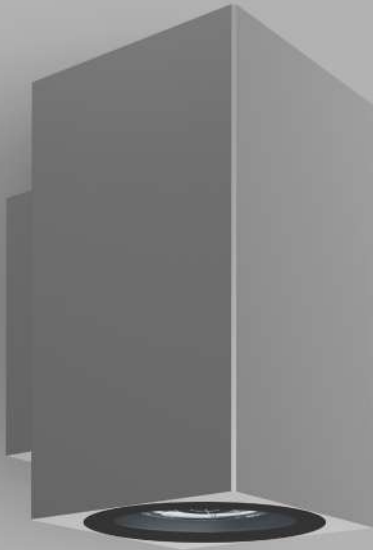
### CODE

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

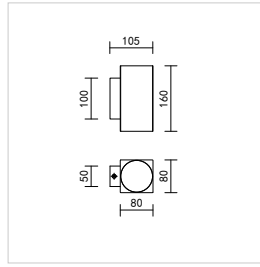


Light output value base on 3000K ;  
Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

Wall square  
80x80mm updown light

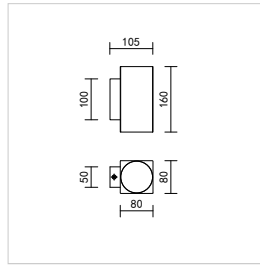


Wall updown light  
Reflector version



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 updown 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			

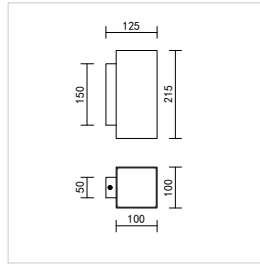


Light output value base on 3000K ;  
Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

Wall square  
100x100mm updown light

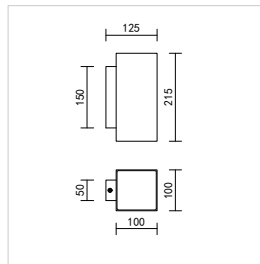


## Wall updown light Reflector version

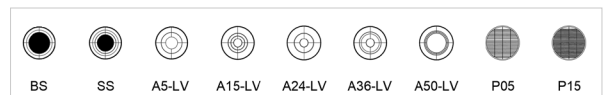


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-WSP2*3WA1Q3-BS	2*3		1.2	3.2		
SP100-WSP2*3WA2Q3-SS	2*3		1.7	3.7		
SP100-WSG2*5WA2Q6-LV	2*5		2.4	6.4		
SP100-WSH2*9WA3Q5-BS	2*9		2.8	5.2		
SP100-WSH2*9WA4Q11-SS	2*9		3.7	11.2		
SP100-WSF2*9WA8Q16-LV	2*9		8	16		
SP100-WSF2*9WA12Q24-LV	2*9		12	25		
SP100-WSF2*9WA17Q30-LV	2*9		15	28		
SP100-WSF2*9WA20Q35-LV	2*9		21	37		
SP100-WSF2*9WA30Q46-LV	2*9		33	49		
SP100-WSF2*9WA48Q70-LV	2*9		54	65		

## Wall updown light Lens version



CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP100-WF2*9WA10-LV	2*9		10			
SP100-WF2*9WA15-LV	2*9		15			
SP100-WF2*9WA24-LV	2*9		24			
SP100-WF2*9WA36-LV	2*9		36			
SP100-WF2*9WA50-LV	2*9		50			
SP100-WF2*9WA15-LV-RGBW	2*9		15			
SP100-WF2*9WA24-LV-RGBW	2*9		24			
SP100-WF2*9WA36-LV-RGBW	2*9		36			
SP100-WF2*9WA50-LV-RGBW	2*9		50			

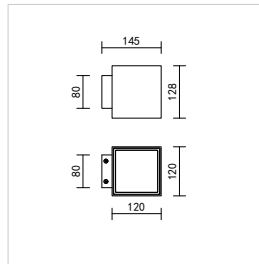


Light output value base on 3000K ;  
Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

Wall square  
120x120mm updown light

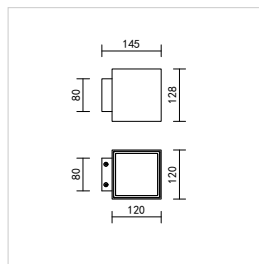


## Wall updown light Reflector version

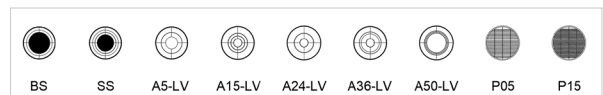


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-WS2*12WA3Q6-BS	2*12		3.5	6.4		
SP120-WS2*12WA4Q8-SS	2*12		3.7	7.5		
SP120-WS2*12WA8Q16-LV	2*12		11	21		
SP120-WS2*12WA13Q24-LV	2*12		17	32		
SP120-WS2*12WA20Q36-LV	2*12		23	37		
SP120-WS2*12WA32Q48-LV	2*12		36	51		
SP120-WS2*12WA49Q68-LV	2*12		50	70		
SP120-WF2*12WP15W	2*12		44*72:P15	88*140:P15		
SP120-WF2*12WP15H	2*12		32*54:P15	45*90:P15		
SP120-WF2*12WP15HW	2*12		30*63:P15	80*160:P15		

## Wall updown light Lens version

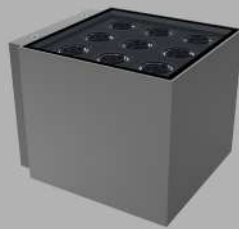
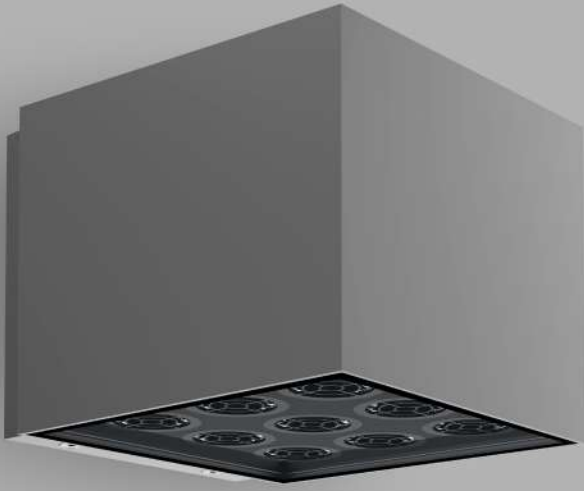


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP120-WF2*12WA10-LV	2*12		10			
SP120-WF2*12WA15-LV	2*12		15			
SP120-WF2*12WA24-LV	2*12		24			
SP120-WF2*12WA36-LV	2*12		36			
SP120-WF2*12WA50-LV	2*12		50			
SP120-WF2*12WA10-LV-RGBW	2*12		10			
SP120-WF2*12WA15-LV-RGBW	2*12		15			
SP120-WF2*12WA24-LV-RGBW	2*12		24			
SP120-WF2*12WA36-LV-RGBW	2*12		36			
SP120-WF2*12WA50-LV-RGBW	2*12		50			

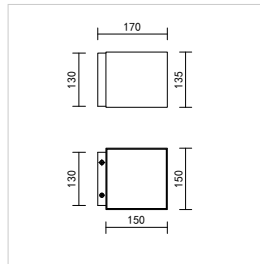


Light output value base on 3000K ;  
Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10°, and Useful efficiency lost approximately 25%-30%.

Wall square  
150x150mm updown light

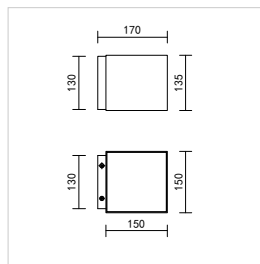


## Wall updown light Reflector version



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 updown light Lens version

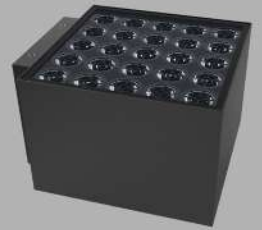
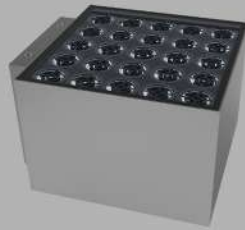


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP150-WS2*24WA10-LV	2*24		10			
SP150-WS2*24WA15-LV	2*24		15			
SP150-WS2*24WA24-LV	2*24		24			
SP150-WS2*24WA36-LV	2*24		36			
SP150-WS2*24WA50-LV	2*24		50			
SP150-WS2*24WA15-LV-RGBW	2*24		15			
SP150-WS2*24WA24-LV-RGBW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

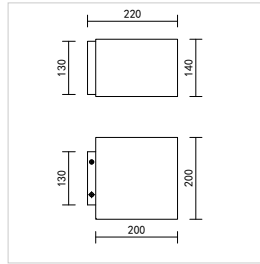


Light output value base on 3000K ;  
Total efficiency lost with anti-glare accessories, range 40%-60% from 60° to 10° , and Useful efficiency lost approximately 25%-30%.

Wall square  
200x200mm updown light

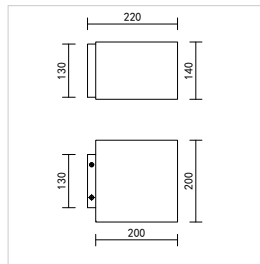


## Wall updown light Reflector version

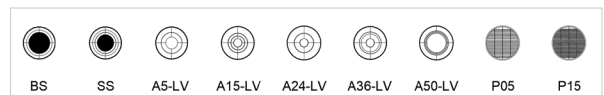


CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-WSP2*27WA3Q6-SS	2*27		3	6		
SP200-WSP2*27WA4Q7-LV	2*27		4	7		
SP200-WSF2*36WA8Q16-LV	2*36		8	16		
SP200-WSF2*36WA13Q24-LV	2*36		13	24		
SP200-WSF2*36WA20Q36-LV	2*36		20	36		
SP200-WSF2*36WA32Q48-LV	2*36		32	48		
SP200-WSF2*36WA49Q68-LV	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 updown light Lens version



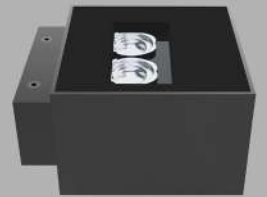
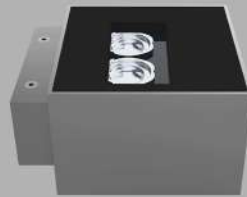
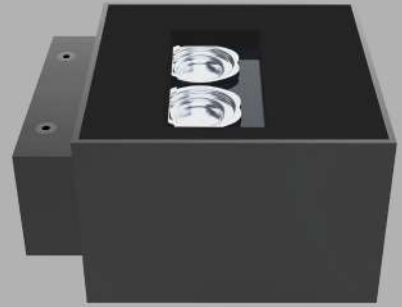
CODE	WATT (W)	Idensity (cd)	FWHM (°)	FA (°)	Without LOUVER (lm)	With LOUVER (lm)
SP200-WS2x36WA10-LV	2*36		10			
SP200-WS2x36WA15-LV	2*36		15			
SP200-WS2x36WA24-LV	2*36		24			
SP200-WS2x36WA36-LV	2*36		36			
SP200-WS2x36WA50-LV	2*36		50			
SP200-WS2x36WA10-LV-RGBW	2*36		10			
SP200-WS2x36WA15-LV-RGBW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



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%.

Wall square

150x150mm ceiling washer light



Wall square  
200x200mm ceiling washer light



Wall square

200x200mm ceiling washer light

