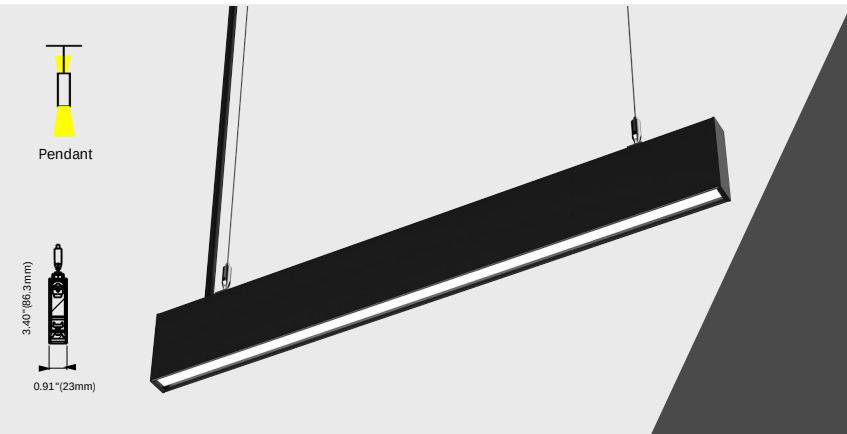


Sense Blade 091

Pendant

WISDOM LIGHT



The Sense Blade 091 Series is an ultra-slim linear luminaire for pendant and wall-mount use. It features advanced LED optics with 120° uplight for ceiling uniformity and flush PMMA lenses (35×90°, 55×90°, 70×90°) or 110° PC diffuser for flexible downlight control. Engineered optics ensure excellent cut-off and visual comfort, while a seamless transition between frame and light surface creates a floating light effect that enhances architectural integration. The series also supports an optional modular connection system, including dual-hub connectors with 240° rotatable functionality and straight linear connection accessories for flexible and seamless splicing.



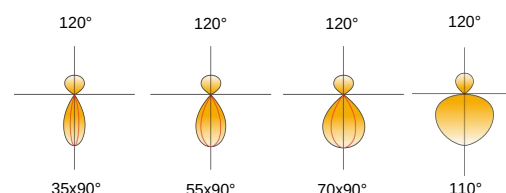
Features

- 0.9" ultra-slim aluminum profile
- Up + down light, 120° uplight & 35/55/70×90°, 110° downlight
- 240° rotatable joints for flexible angles
- Linkable for continuous linear runs
- 0-10V dimming, compatible with standard controls



| 240° rotatable, 2-hub connection

Beam Angles



Model	Length	Wattage Select	Lumen	Beam Angle	Efficacy	CCT Select	Voltage	Dimming	CRI
WL-12LSUD2FT25WB2DHSV(30K-35K-40K)VVV-YY-ZZ	2FT	15W/20W/25W	1500lm/ 2000lm/ 2500lm	110°/ 35×90°/ 55×90°/ 70×90°/	100lm/W (Black)	3000K 3500K 4000K	120-347V / 120-277V	0-10V (10-100%)	Ra>90
WL-12LSUD4FT50WB2DHSV(30K-35K-40K)VVV-YY-ZZ	4FT	30W/40W/50W	3000lm/ 4000lm/ 5000lm						
WL-12LSUD8FT50WB2DHSV(30K-35K-40K)VVV-YY-ZZ	8FT	60W/80W/100W	6000lm/ 8000lm/ 10000lm						

Order Guide

Sample Model#:Sense Blade 091-WL-12LSUD2FT25WB2DHSV(30K-35K-40K)-5590-BK-SP

Sense Blade 091	WL-12LSUD									
Product Family	Mode	Length	Wattage	Series	Dimming	Voltage	CCT	Beam Angle	Finish	Installation mode
Sense Blade 091	WL-12LSUD= Gen12 Linear Series Up&Down Light	2FT	25W=15W/20W/25W	B2= 3CCT Select, 3Watt Select	D= 0-10V (10%-100%)	HV= 120-347V UV= 120-277V	(30K-35K-40K)= 3000K/3500K/ 4000K CCT Select	VVV= 110=110° 5590=55×90° 3590=35×90° 7090=70×90°	BK=Black WH=White SA=Silver CUS=Custom	PD=Pendant
		4FT	50W=30W/40W/50W							
		8FT	60W=60W/80W/100W							

Sense Blade 091

Pendant

WISDOM LIGHT

Accessories

CABLE	MOUNTING ACCESSORIES	CANOPY TYPE	OTHER
3AC-5C=7'5-Core 300V Cable	STD=Suspension aircraft Kits	SCKB=5" Slim Canopy	R2H=Rotatable 2-Way Hub
3AC-6C=7'6-Core 300V Cable work with EM	SDS=Drywall Suspension Kits		SH= Straight Hub
	SCS=Drop Ceiling Suspension Kits		

Product Specifications

Construction

- Extruded aluminum housing
- Electrostatically applied polyester powder coat paint
- Standard 2FT,4F,8FT fixture available
- Ultra-slim (0.9"), discrete perimeter mounted luminaire.

Light Engine

- Standard 3 CCT Selectable options, 3000K/3500K/4000K
- CRI Ra≥90, Standard SDCM≤5 (Single CCT)

LED Drivers

- LED system coupled with electrical Osram driver
- Traditional electronic drivers are available for 120- 347V
- Flicker free <5%, PFC>0.9, THD<20%

Mounting

- Pendant

Distribution

- Up light provides ceiling uniformity with 120° distribution, while down light offers either focused control with 35×90°, 55×90°, or 70×90° flush PMMA lenses, or a wide 110° beam using a PC diffuser.

Environment

- Suited for damp location installations.
- Operating temperature range:-25°C to 50°C

Approvals

- ETL - listed for damp location
- Tested to IESNA LM-79 and LM-80E

Warranty

- Five year warranty standard. Optional ten year warranty available.

Controls and Integrated Sensors

- Equipped standard with a 0-10V continuous dimming driver. Compatible with most standard dimming devices

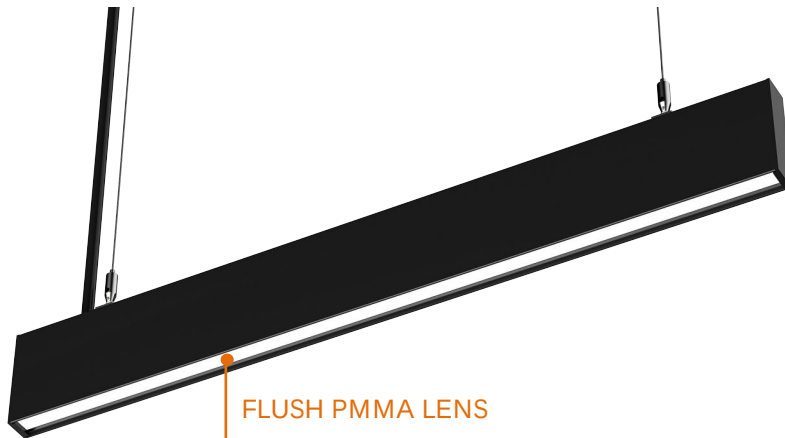
Lengths

- Available in 2FT,4FT,8FT
- Additional fixture lengths are available please consult factory.

Sense Blade 091

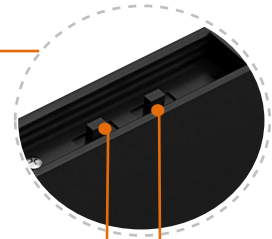
Pendant

WISDOM LIGHT



FLUSH PMMA LENS

Offers selectable optics including 35×90°, 55×90°, and 70×90° flush PMMA lens, as well as a 110° wide beam option with PC diffuser.

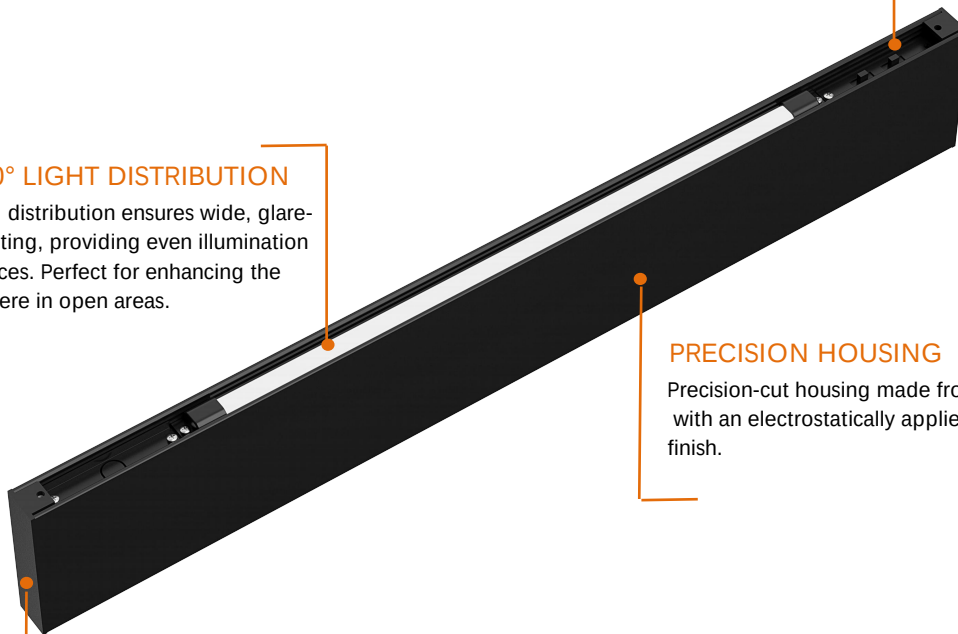


3-Watt Select

3-CCT Select

UPWARD 120° LIGHT DISTRIBUTION

The upward 120° distribution ensures wide, glare-free ambient lighting, providing even illumination across larger spaces. Perfect for enhancing the lighting atmosphere in open areas.

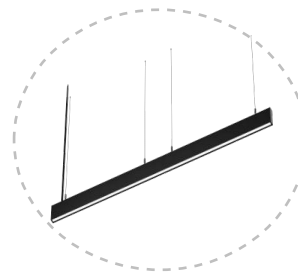


PRECISION HOUSING

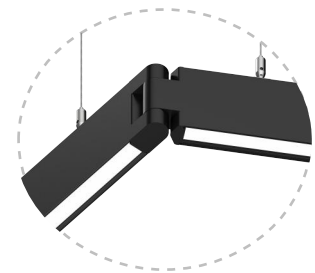
Precision-cut housing made from extruded 6063 aluminum with an electrostatically applied polyester powder coat finish.

MODULAR CONNECTIVITY & ROTATABLE DESIGN

This luminaire supports seamless linear connection for continuous lighting arrangements. It also allows for a maximum of 240° rotational connectivity, offering flexibility in both straight-line and angled installation

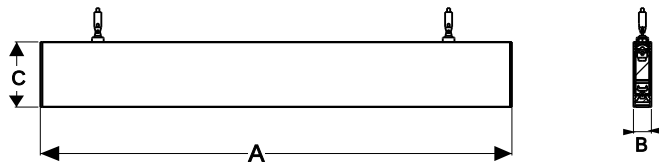


Seamless straight line connection



240° rotatable connection

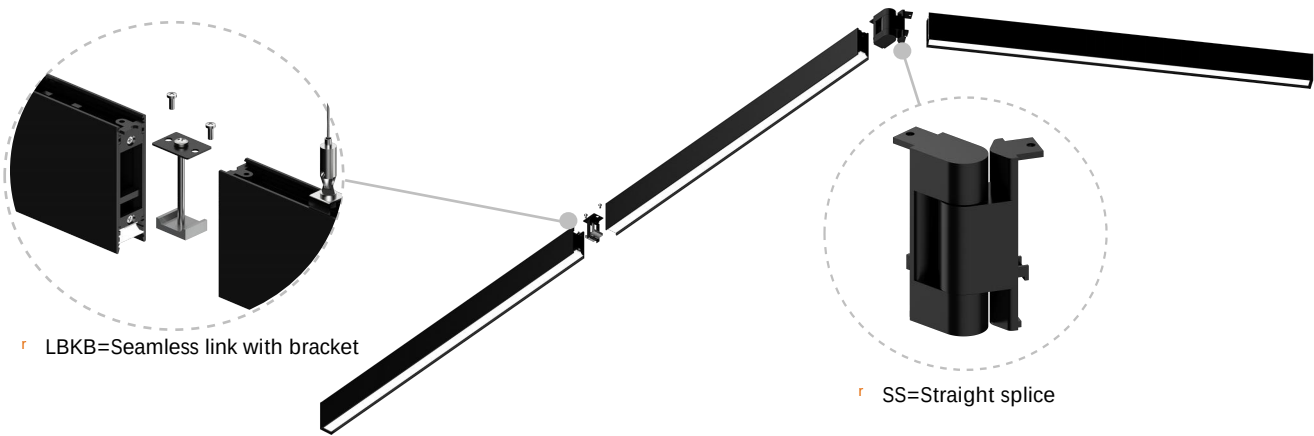
Dimensions



MODEL	A	B	C
WL-12LSUD2FT25WB2DHV	23.86" (606mm)	0.91"(23mm)	3.40"(86.3mm)
WL-12LSUD4FT50WB2DHV	47.48" (1206mm)	0.91"(23mm)	3.40"(86.3mm)
WL-12LSUD8FT100WB2DHV	94.72" (2406mm)	0.91"(23mm)	3.40"(86.3mm)

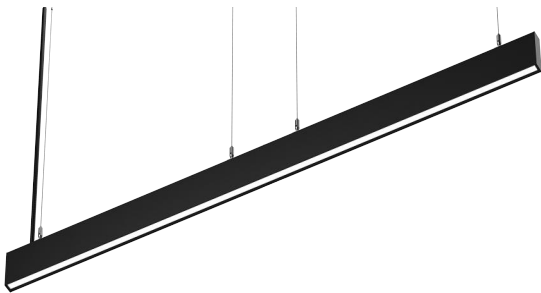
R2HC=Rotatable 2-Hub Connector
SS=Straight splice

Linkable Functions



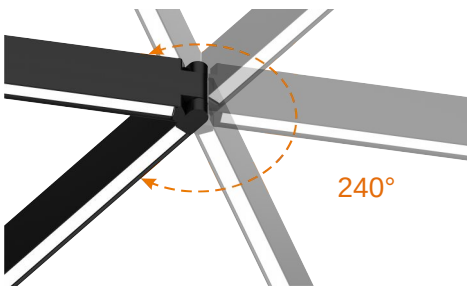
SEAMLESS LINEAR CONNECTION

This luminaire supports seamless linear connection, allowing multiple units to be linked together in a straight line for continuous, uniform lighting. The design ensures smooth integration, ideal for long, uninterrupted lighting runs in commercial and architectural spaces.



ROTATABLE CONNECTIVITY

This luminaire features a flexible design with up to 240° of rotational connectivity, allowing for versatile configurations. Whether arranged in a straight line or at an angle, the rotatable feature ensures easy adjustment to meet various lighting needs and spatial layouts.

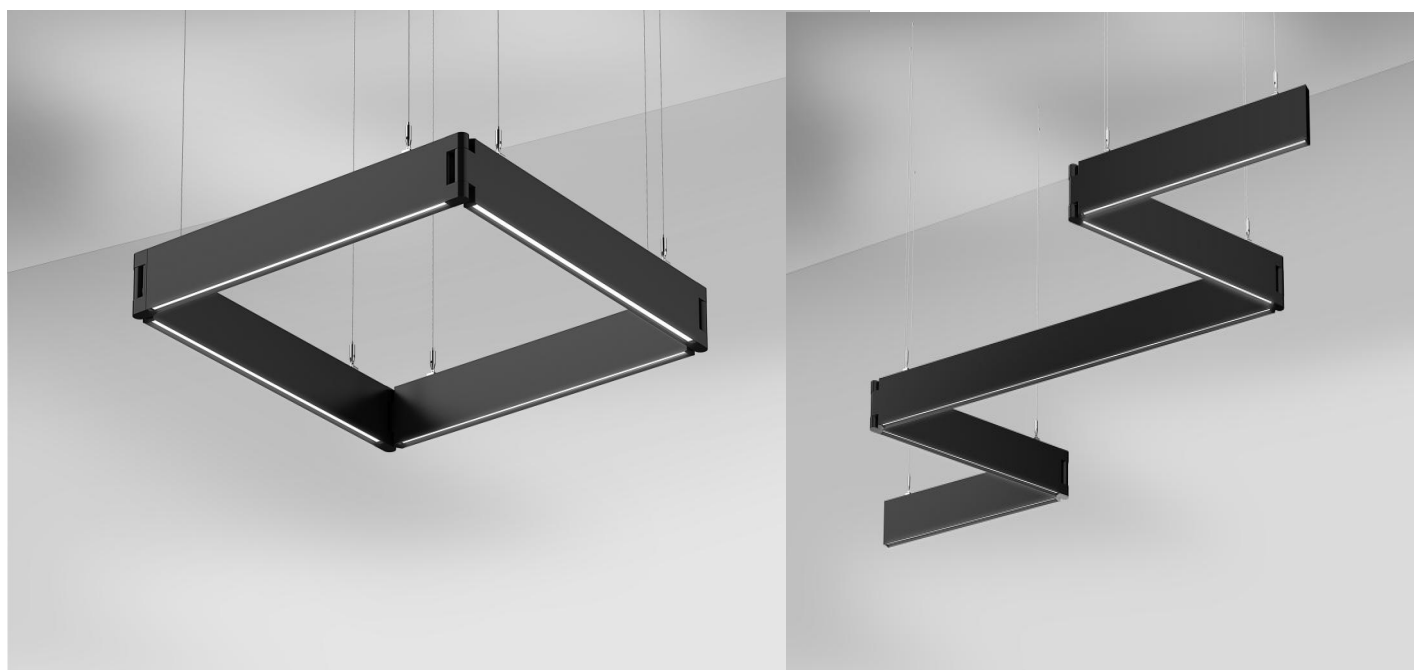
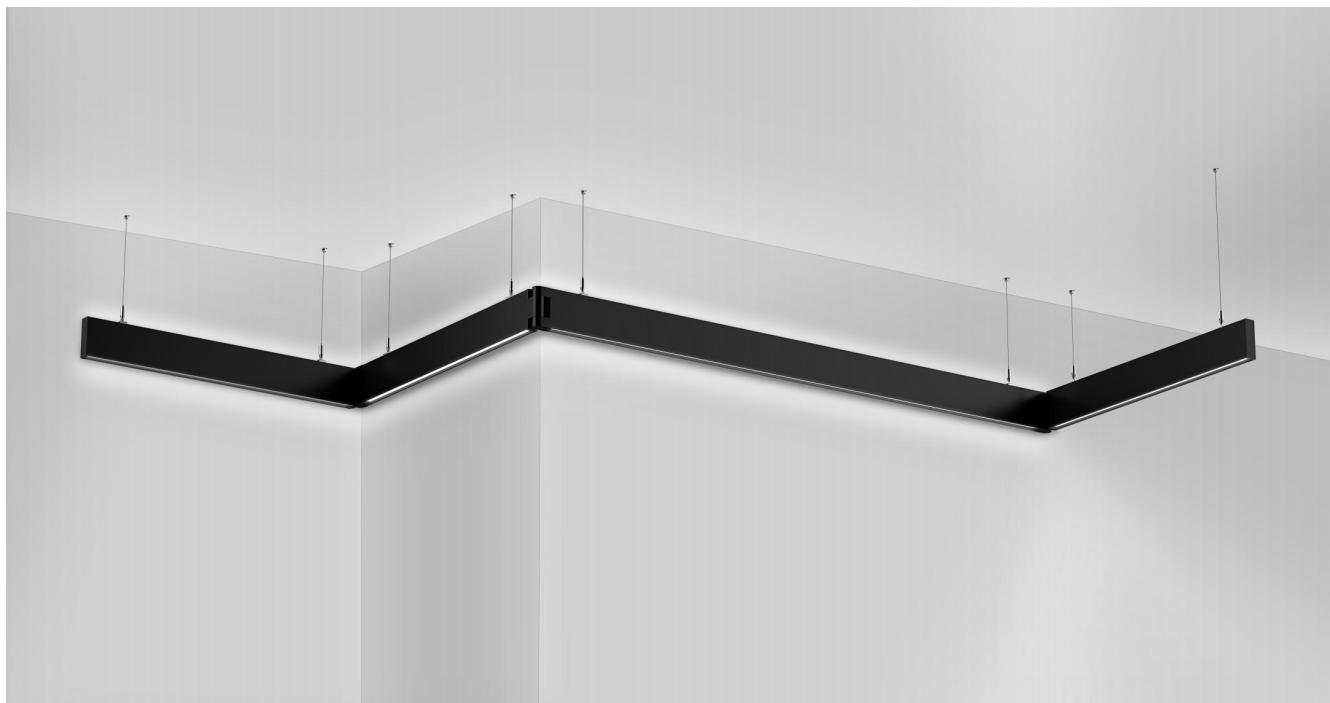


Sense Blade 091

Pendant

WISDOM LIGHT

Applications



Sense Blade 091

Pendant

Canopy Type

Power feed/None Power feed

| SCKB = 5" Slim Canopy -Slim D5"*H0.3"



Non Power feed



Power feed

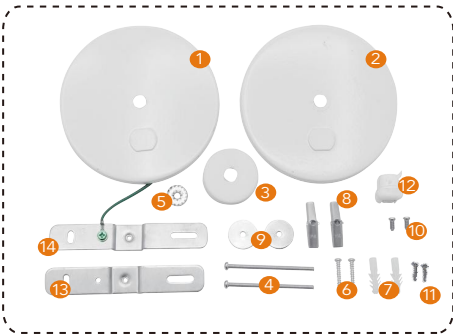
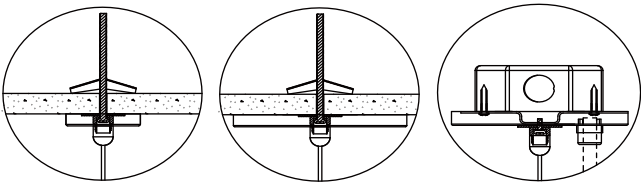
STE-Aircraft Cable--E type

1	E Type Aircraft Cable	2PCS
2	Screw BA4*30	4PCS
3	Plastic Anchor	2PCS



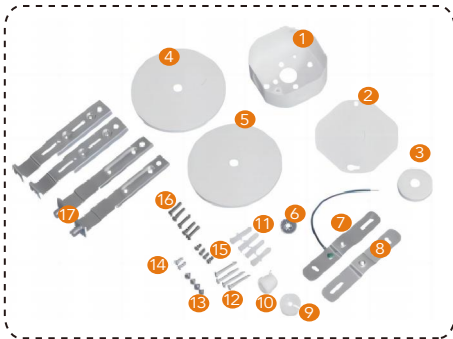
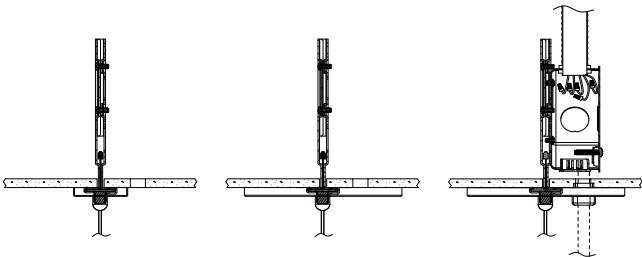
Mounting accessories

SDS-Drywall Suspension Kits



1	5" Slim Canopy (Non-Power feed)	1PCS	4	Screw PM4*70	2PCS	7	Plastic Anchor	4PCS	10	Screw PM4*10	2PCS	13	U Bracket with Ground	1PCS
2	5" Slim Canopy (Power feed)	1PCS	5	Lock Washer	1PCS	8	Butterfly Anchor	2PCS	11	Screw 8#-32*1-3/4	2PCS	14	U Bracket	1PCS
3	1.7" Slim Canopy	1PCS	6	Screw PA4*30	4PCS	9	Flat Washer	2PCS	12	Wire buckle	1PCS			

SCS-Drop Ceiling Suspension Kits



1	4" J-box	1PCS	5	5" Slim Canopy (Power feed)	1PCS	9	Plastic Grommet	1PCS	13	Screw PB4*5	2PCS	17	T-Grid Clips	2 Sets
2	4" J-box Plate	1PCS	6	Lock Washer	1PCS	10	Wire buckle	1PCS	14	Screw PM4*10	2PCS			
3	1.7" Slim Canopy	1PCS	7	U Bracket with Ground	1PCS	11	Plastic Anchor	4PCS	15	Screw PM4*8	4PCS			
4	5" Slim Canopy (Non-Power feed)	1PCS	8	U Bracket	1PCS	12	Screw BA4*30	4PCS	16	Screw 8-32*1-3/4	6PCS			

Sense Blade 091

Wall Mount

WISDOM LIGHT

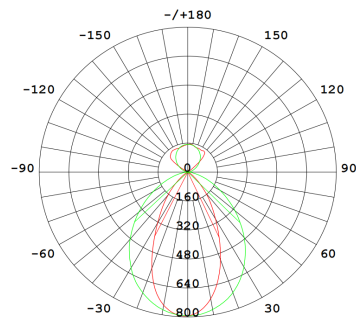
Performance

Lens	Lumen output
Up & Down PMMA lens	1500LM/FT,15W/FT

Above are subject to 3000K, white housing . All efficacy is $\pm 5\%$ base on different CCT and lighting distributions. For other CCT, housing color etc, please check the IES file to gain the accurate data

SenseBlade091-WL-12LSUD

SenseBlade091-WL-12LSUD/2FT/15W/RA90/3000K/Black



AVERAGE BEAM ANGLE(50%):71.6 DEG

NOMINALFLUX(lm):1499.45,NOMINAL POWER(W):15W,lmax(cd):800.9,Efficay:95.51lm/W

Zonal Flux Diagram					
γ	C0	C45	C90	C135	C180
10	710.2	738.5	770.4	782.7	746.7
20	515.5	605.6	708.6	689.3	566.0
30	298.9	420.8	604.1	515.4	325.2
40	153.6	254.2	472.8	316.4	165.3
50	54.75	139.3	331.8	179.0	55.03
60	16.40	55.81	200.8	72.94	15.24
70	3.347	13.37	98.30	15.72	2.779
80	1.212	1.724	27.37	1.915	1.038
90	0.5613	1.044	0.1119	1.248	0.6092
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

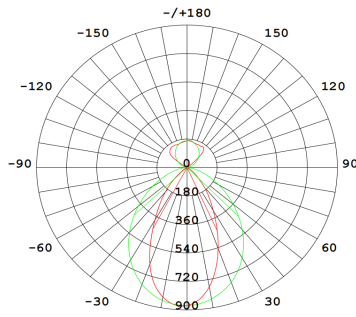
γ	Φ zone	Φ total
00-10	73.64	73.64
10-20	194.9	268.5
20-30	247.7	516.2
30-40	230.5	746.7
40-50	176.7	923.4
50-60	112.9	1036
60-70	55.40	1092
70-80	20.25	1112
80-90	3.618	1116
UNIT:lm/klm		

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	545	4076
80	436	9852
75	428	14306
70	612	17964
65	1228	21568
60	2050	25098
55	3312	28691
50	5323	32261
45	8432	35420

SenseBlade091-WL-12LSUD

SenseBlade091-WL-12LSUD/2FT/15W/RA90/3500K/Black



AVERAGE BEAM ANGLE(50%):71.8 DEG

NOMINALFLUX(lm):1652.36,NOMINAL POWER(W):15W,lmax(cd):879.6,Efficay:105.25lm/W

Zonal Flux Diagram					
γ	C0	C45	C90	C135	C180
10	765.9	799.0	843.5	858.5	831.3
20	544.6	641.1	772.2	752.3	650.4
30	314.4	441.1	659.7	562.3	386.7
40	160.0	266.1	513.5	347.5	200.1
50	57.27	145.0	360.0	195.8	66.21
60	18.00	58.02	218.0	79.95	17.23
70	3.664	14.50	107.0	17.14	3.126
80	1.320	1.874	29.76	2.066	1.165
90	0.5959	1.120	0.1284	1.349	0.6696
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

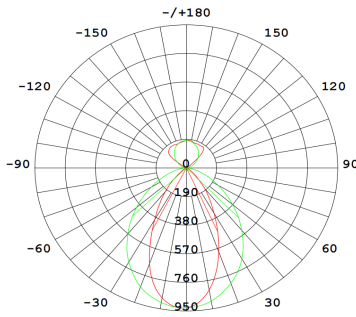
γ	Φ zone	Φ total
00-10	80.91	80.91
10-20	214.1	295.0
20-30	273.4	568.4
30-40	255.5	823.9
40-50	196.0	1020
50-60	124.8	1145
60-70	61.13	1206
70-80	22.32	1228
80-90	3.985	1232
UNIT:lm/klm		

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	594	4435
80	475	10710
75	465	15547
70	670	19556
65	1346	23381
60	2250	27253
55	3553	31215
50	5568	35002
45	8698	38569

SenseBlade091-WL-12LSUD

SenseBlade091-WL-12LSUD/2FT/15W/RA90/4000K/Black



AVERAGE BEAM ANGLE(50%):158.9 DEG

NOMINALFLUX(lm):1760.31,NOMINAL POWER(W):15W,lmax(cd):932.6,Efficay:112.12lm/W

Zonal Flux Diagram					
γ	C0	C45	C90	C135	C180
10	823.1	855.9	897.1	906.5	876.5
20	593.3	689.8	815.4	784.9	676.5
30	347.7	479.3	696.8	578.8	399.8
40	179.9	291.3	540.0	357.1	205.3
50	66.03	160.7	379.1	199.7	65.22
60	20.44	65.38	229.8	78.67	16.98
70	4.288	16.76	112.6	16.65	2.815
80	1.491	2.106	31.14	2.193	1.144
90	0.6543	1.205	0.1356	1.386	0.6556
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

γ	Φ zone	Φ total
00-10	86.13	86.13
10-20	227.6	313.7
20-30	290.3	604.0
30-40	271.5	875.5
40-50	208.4	1084
50-60	132.6	1217
60-70	64.87	1281
70-80	23.65	1305
80-90	4.229	1309
UNIT:lm/klm		

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	646	4698
80	536	11207
75	506	16409
70	784	20570
65	1572	24592
60	2555	28725
55	4038	32907
50	6420	36857
45	9800	40699

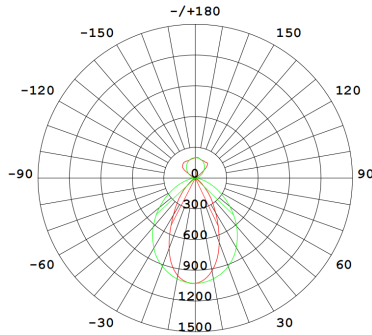
Sense Blade 091

Wall Mount

WISDOM LIGHT

SenseBlade091-WL-12LSUD

SenseBlade091-WL-12LSUD/2FT/20W/RA90/3000K/Black



AVERAGE BEAM ANGLE(50%):71.7 DEG

NOMINALFLUX(lm):1941.67,NOMINAL POWER(W):20W,Imax(cd):1032,Efficay:94.72lm/W

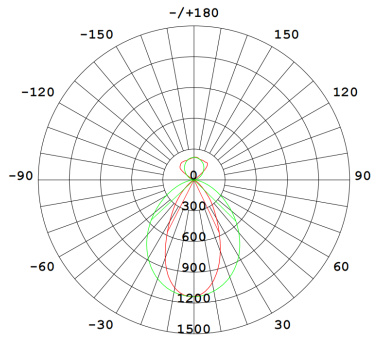
Zonal Flux Diagram					
γ	C0	C45	C90	C135	C180
10	919.5	955.9	998.0	1002	965.7
20	669.2	784.7	918.1	870.1	730.7
30	388.9	546.0	783.4	633.1	419.7
40	199.5	330.0	613.7	382.4	212.7
50	71.39	182.5	431.9	214.6	70.80
60	21.31	72.42	261.8	87.06	19.59
70	4.378	17.39	127.3	19.80	3.562
80	1.594	2.216	35.39	2.418	1.351
90	0.7497	1.340	0.1481	1.615	0.8115
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens		
γ	Φ zone	Φ total
00-10	95.32	95.32
10-20	252.4	347.7
20-30	320.5	668.3
30-40	297.6	965.8
40-50	228.2	1194
50-60	146.1	1340
60-70	71.82	1412
70-80	26.13	1438
80-90	4.673	1443
UNIT:lm/klm		

LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	722	5259
80	574	12737
75	558	18398
70	800	23259
65	1600	28094
60	2664	32729
55	4309	37424
50	6941	41994
45	10958	46071

SenseBlade091-WL-12LSUD

SenseBlade091-WL-12LSUD/2FT/20W/RA90/3500K/Black



AVERAGE BEAM ANGLE(50%):71.8 DEG

NOMINALFLUX(lm):2147.79,NOMINAL POWER(W):20W,Imax(cd):1143,Efficay:107.39lm/W

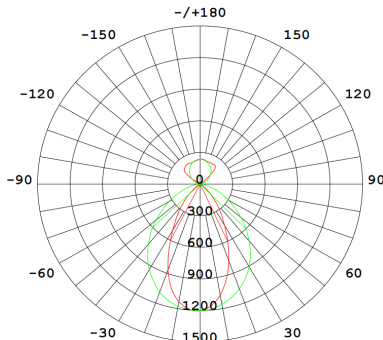
Zonal Flux Diagram					
γ	C0	C45	C90	C135	C180
10	1017	1055	1100	1107	1068
20	740.7	862.5	1008	958.0	810.3
30	432.5	601.0	861.4	697.0	468.9
40	222.4	364.9	671.4	423.9	238.6
50	79.17	201.6	471.3	237.1	78.66
60	23.80	80.31	285.7	96.22	21.69
70	4.855	19.23	139.7	21.69	3.924
80	1.750	2.461	38.66	2.662	1.481
90	0.7999	1.472	0.1674	1.738	0.8662
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens		
γ	Φ zone	Φ total
00-10	105.5	105.5
10-20	279.4	384.9
20-30	355.3	740.1
30-40	330.6	1071
40-50	253.8	1325
50-60	162.2	1487
60-70	79.54	1566
70-80	29.03	1595
80-90	5.180	1601
UNIT:lm/klm		

LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	787	5793
80	630	13915
75	616	20241
70	887	25533
65	1783	30595
60	2975	35709
55	4806	40861
50	7698	45824
45	12225	50454

SenseBlade091-WL-12LSUD

SenseBlade091-WL-12LSUD/2FT/20W/RA90/4000K/Black



AVERAGE BEAM ANGLE(50%):71.9 DEG

NOMINALFLUX(lm):2280.48,NOMINAL POWER(W):20W,Imax(cd):1207,Efficay:111.24lm/W

Zonal Flux Diagram					
γ	C0	C45	C90	C135	C180
10	1068	1111	1159	1170	1133
20	774.8	901.3	1059	1008	867.5
30	451.7	627.0	905.0	735.8	506.9
40	230.9	381.2	703.1	449.7	260.1
50	81.88	209.9	492.7	251.0	87.05
60	24.59	83.18	299.3	102.2	23.69
70	4.957	19.75	146.4	22.97	4.367
80	1.801	2.571	40.67	2.796	1.596
90	0.8265	1.543	0.1865	1.816	0.9144
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens		
γ	Φ zone	Φ total
00-10	111.5	111.5
10-20	295.1	406.6
20-30	375.9	782.5
30-40	350.5	1133
40-50	269.3	1402
50-60	172.0	1574
60-70	84.23	1659
70-80	30.71	1689
80-90	5.487	1695
UNIT:lm/klm		

LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	808	6066
80	648	14637
75	643	21089
70	906	26751
65	1826	32035
60	3074	37412
55	4969	42838
50	7961	47909
45	12706	52920

Sense Blade 091

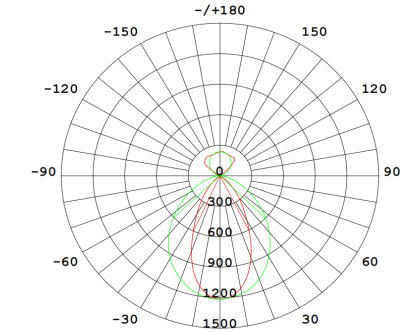
Wall Mount

WISDOM LIGHT

SenseBlade091-WL-12LSUD

NOMINALFLUX(lm):2304.64,NOMINAL POWER(W):25W,lmax(cd) : 1214,Efficay:94.07lm/W

SenseBlade091-WL-12LSUD/2FT/25W/RA90/3000K/Black



AVERAGE BEAM ANGLE(50%):72.2 DEG

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	1124	1156	1178	1155	1103
20	855.3	977.0	1082	973.3	790.4
30	512.3	700.6	922.6	679.8	440.8
40	273.8	430.8	724.2	404.6	215.3
50	103.9	242.3	517.4	222.8	63.97
60	31.41	105.3	318.3	82.33	17.54
70	7.364	27.37	159.4	17.03	2.924
80	2.199	2.584	48.78	2.360	1.348
90	0.9163	1.545	0.2163	1.745	0.8199
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

γ	φzone	φtotal
00-10	112.6	112.6
10-20	297.9	410.5
20-30	377.5	788.0
30-40	351.0	1139
40-50	271.3	1410
50-60	175.4	1586
60-70	87.56	1673
70-80	33.11	1706
80-90	6.561	1713
UNIT:lm/klm		

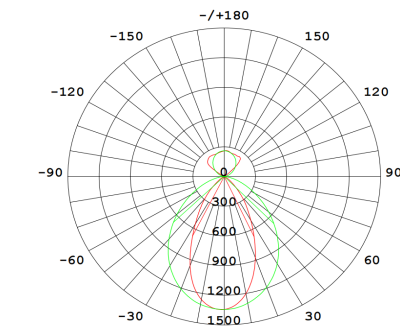
LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	901	9374
80	791	17556
75	712	23895
70	1346	29122
65	2471	34456
60	3926	39793
55	6311	45191
50	10105	50313
45	15466	54880

SenseBlade091-WL-12LSUD

NOMINALFLUX(lm):2540.04,NOMINAL POWER(W):25W,lmax(cd) : 1351,Efficay:106.72lm/W

SenseBlade091-WL-12LSUD/2FT/25W/RA90/3500K/Black



AVERAGE BEAM ANGLE(50%):71.9 DEG

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	1201	1247	1300	1309	1262
20	874.1	1019	1190	1131	959.4
30	510.6	710.5	1017	823.8	556.0
40	263.4	431.8	792.5	501.3	283.4
50	93.49	238.5	557.1	280.4	94.04
60	28.05	94.97	337.4	113.8	25.84
70	5.700	22.60	164.9	25.68	4.672
80	2.087	2.900	45.83	3.155	1.754
90	0.9586	1.742	0.2037	2.098	1.027
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

γ	φzone	φtotal
00-10	124.7	124.7
10-20	330.1	454.8
20-30	420.0	874.8
30-40	391.1	1266
40-50	300.4	1566
50-60	192.1	1758
60-70	94.08	1852
70-80	34.35	1887
80-90	6.137	1893
UNIT:lm/klm		

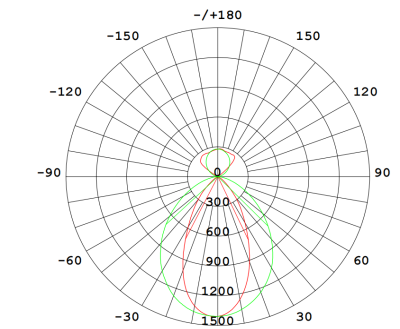
LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	941	6820
80	751	16493
75	729	23858
70	1042	30130
65	2107	36184
60	3506	42178
55	5684	48287
50	9090	54167
45	14506	59599

SenseBlade091-WL-12LSUD

NOMINALFLUX(lm):2675.63,NOMINAL POWER(W):25W,lmax(cd) : 1415,Efficay:109.66lm/W

SenseBlade091-WL-12LSUD/2FT/25W/RA90/4000K/Black



AVERAGE BEAM ANGLE(50%):71.9 DEG

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	1257	1304	1358	1371	1323
20	916.0	1062	1240	1181	1007
30	536.9	741.0	1060	860.9	587.1
40	276.4	451.1	822.7	526.0	299.5
50	98.65	249.2	577.3	293.5	98.96
60	29.53	99.17	350.4	119.1	27.00
70	6.002	23.61	171.3	26.74	4.875
80	2.179	3.033	47.30	3.278	1.834
90	0.9960	1.808	0.2304	2.139	1.057
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

γ	φzone	φtotal
00-10	130.7	130.7
10-20	345.9	476.5
20-30	440.4	917.0
30-40	410.8	1328
40-50	315.7	1643
50-60	201.7	1845
60-70	98.63	1944
70-80	36.02	1980
80-90	6.435	1986
UNIT:lm/klm		

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	985	7030
80	784	17024
75	765	24776
70	1097	31294
65	2214	37446
60	3692	43797
55	5973	50109
50	9592	56128
45	15232	61933

Sense Blade 091

Pendant

WISDOM LIGHT

Wall Mount Optional

