

Sense Blade 091

Wall Mount

WISDOM LIGHT



Wallmount

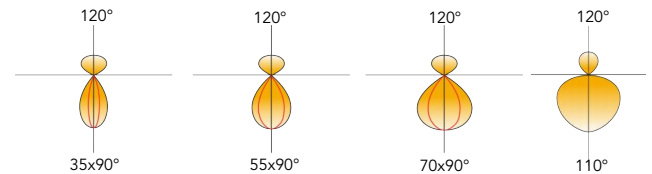


The Sense Blade 091 Series Linear Luminaire is an ultra-slim commercial wall-mount fixture featuring advanced LED optics for excellent performance. Its upper 120° wide-throw distribution ensures ceiling uniformity and room-filling illumination with exceptional cut-off and visual comfort.

A unique design incorporates a clear transition zone between the frame and the light-emitting portion of the fixture, creating the illusion of light floating in mid-air. Its slim profile makes it a perfect addition to all types of spaces. Available in 1 ft, 1.5 ft, and 2 ft lengths, corresponding to 15W, 22W, and 30W.

Features

Beam Angles



Up light 120° wide beam; down light with 35×90°, 55×90°, 70×90° flush PMMA lens, or 110° PC diffuser.

ITEM	Length	Wattage Select	Max Output Lumen	Beam Angle	Efficacy	CCT Select	Input Voltage	Dimmable	CRI
			Up 30%Down 70%						
WL-12LSUD1FT15WB3DHSV (30K-35K-40K)-WV-YY-WM	1'	7.5W/10W/15W	1500Lm	110°/ 35×90°/ 55×90°/ 70×90°/	100lm/W (Black)	3000K 3500K 4000K	120-347V / 120-277V	0-10V (10%-100%)	>90
WL-12LSUD1.5FT22WB3DHSV (30K-35K-40K)-VW-YY-WM	1.5'	11W/16.5W/22W	2200Lm						
WL-12LSUD2FT30WB3DHSV (30K-35K-40K)-WV-YY-WM	2'	20W/25W/30W	3000Lm						

* Remark: Standard Color Tolerance : ≤ 5SDCM (Single CCT) , ≤ 7SDCM (Mixed CCT) ; ≤ 3SDCM or ≤ 5SDCM, are available.

Order Guide

Sample Model#: Sense Blade 091WL-12LSUD1FT15WB3DHSV(30K-35K-40K)-3590-BK-WM

Sense Blade 091	WL-12LSUD									
Product Family	Model	Length	Wattage	Series	Dimming	Voltage	CCT	Beam angle	Finish	Installation mode
Sense Blade 091=0.91" width	WL-12LSUD=Gen12 Linear Series Up & Down Light	1FT	15W=7.5W/10W/15W Select	B3=3 CCT (Internal dip switch) 3WATTAGE (Internal dip switch)	D=0-10V (10%-100%)	HV=120-347V UV=120-277V	(30K-35K-40K)=3000K/3500K/4000K 3-CCT Select	VVV=110=110° 3590=35×90° 5590=55×90° 7090=70×90°	YY= BK=Black WH=White SA=Silver CUS=Custom	WM= Wall mount
		1.5FT	22W=11W/16.5W/22W Select							
		2FT	30W=20W/25W/30W Select							

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Product Specifications

Construction

- Extruded aluminum housing
- Electrostatically applied polyester powder coat paint
- Standard 1', 1.5', 2' fixture available
- Ultra-slim (0.9"), discrete perimeter mounted luminaire.

Light Engine

- Standard 3 CCT Selectable options, 3000K/3500K/4000K
- CRI Ra $\geq$ 90, Standard SDCM $\leq$ 5 (Single CCT), SDCM $\leq$ 7 (Mixed CCT) SDCM $\leq$ 3 or SDCM $\leq$ 5, are available.

LED Drivers

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

Mounting

- Wall Mount



Lengths

- Available in 1ft, 1.5ft, 2FT.
- Additional fixture lengths are available please consult factory.

Electrical

- 0-10V Dimming provided as standard
- Dimming wires capped with wire-nuts for nondimming

Distribution

- Up light with 120°; down light with 110° (PC diffuser) or 35 $\times$ 90°, 55 $\times$ 90°, 70 $\times$ 90° flush PMMA lens.

Weight

- Approximately 0.4 lbs per foot

Environment

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

Approvals

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

Warranty

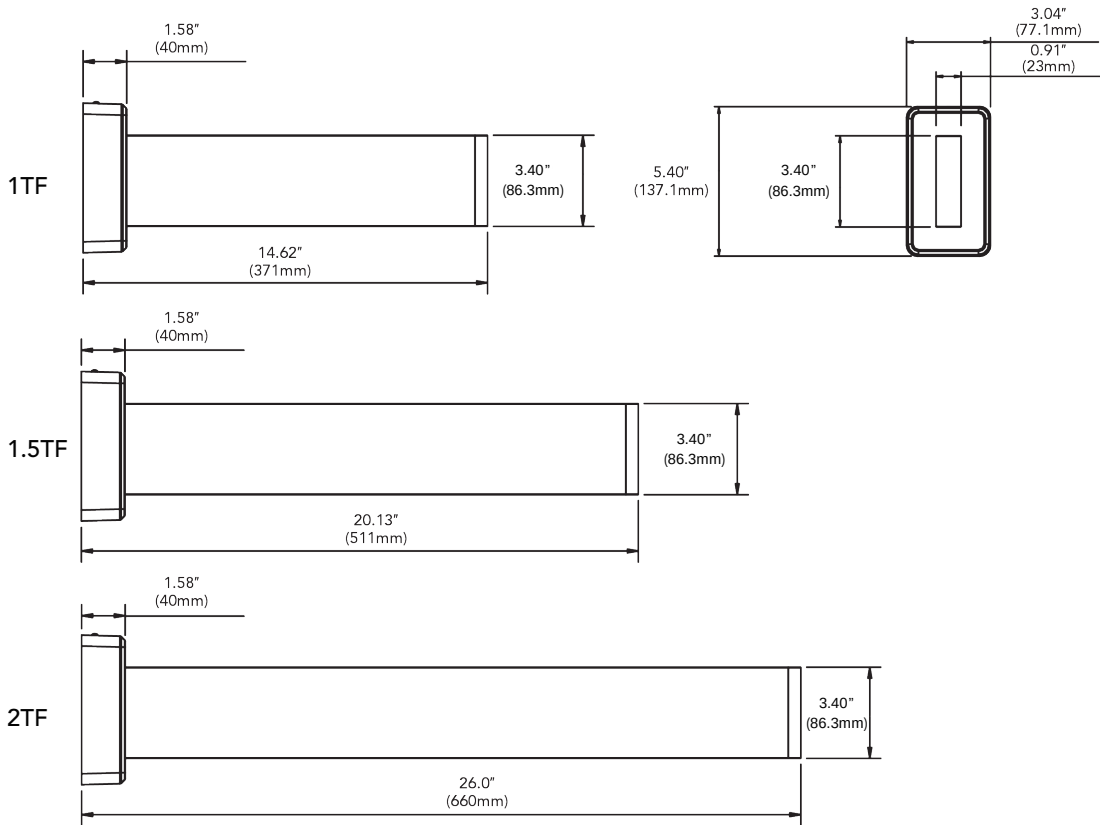
- Five year warranty standard. Optional ten year warranty available.

Sense Blade 091

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Dimension



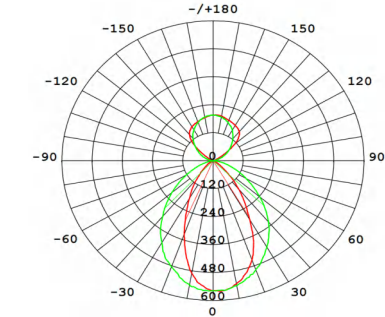
Performance

Lens	Lumen output
Up: 120° PC optic; Down: 110° (PC diffuser) or 35×90°, 55×90°, 70×90° (PMMA lens)	1500LM/FT,15W/FT

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

Sense Blade 091-WL-12LSUD

Sense Blade 091-WL-12LSUD/1FT/15W/RA90/3000K/Black



AVERAGE BEAM ANGLE(50%):71.9 DEG

NOMINALFLUX(lm):1244.7,NOMINAL POWER(W):15W,lmax(cd):561.1,Efficay:84.67lm/W

Zonal Flux Diagram						
γ	C0	C45	C90	C135	C180	
10	536.3	545.7	544.5	527.9	489.5	
20	453.4	483.4	497.7	420.8	337.3	
30	292.9	380.6	428.5	286.7	190.6	
40	157.5	244.4	342.7	172.6	95.12	
50	56.92	141.4	243.8	97.78	38.15	
60	17.03	60.33	149.4	42.12	13.68	
70	3.597	15.05	77.26	13.08	2.676	
80	1.494	2.198	25.22	2.155	1.256	
90	1.125	1.460	0.2288	1.497	0.8881	
DEG	LUMINOUSINTENSITY:cd/klm					

Zonal Lumens		
γ	φ zone	φ total
00-10	51.94	51.94
10-20	137.3	189.3
20-30	176.4	365.7
30-40	166.4	532.1
40-50	127.7	659.8
50-60	80.75	740.5
60-70	38.91	779.5
70-80	13.28	792.7
80-90	2.637	795.4
UNIT:lm/klm		

LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	141	789
80	86	1453
75	83	1920
70	105	2259
65	204	2640
60	341	2988
55	547	3388
50	885	3792
45	1454	4142

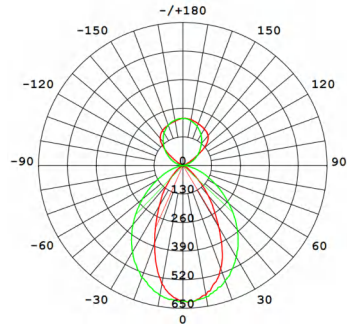
Sense Blade 091

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WISDOM LIGHT

Sense Blade 091-WL-12LSUD

Sense Blade 091-WL-12LSUD/1FT/15W/RA90/3500K/Black



AVERAGE BEAM ANGLE(50%):72.2 DEG

NOMINALFLUX(lm):1380.16,NOMINAL POWER(W):15W,lmax(cd): 623.1,Efficay:95.84lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	597.9	606.9	606.1	588.7	546.3
20	499.7	537.4	557.1	470.1	375.6
30	322.2	428.8	482.0	325.5	214.2
40	175.2	274.9	382.5	196.0	107.6
50	63.25	159.1	272.9	110.5	43.03
60	19.17	67.68	168.3	47.35	15.39
70	4.150	17.08	86.89	14.68	3.027
80	1.734	2.523	28.31	2.467	1.471
90	1.282	1.652	0.2157	1.698	1.036

DEG LUMINOUSINTENSITY:cd/klm

Zonal Lumens

γ	Φ_{zone}	Φ_{total}
00-10	57.55	57.55
10-20	152.6	210.2
20-30	197.1	407.2
30-40	186.1	593.4
40-50	143.2	736.6
50-60	90.54	827.1
60-70	43.66	870.8
70-80	14.88	885.7
80-90	3.014	888.7

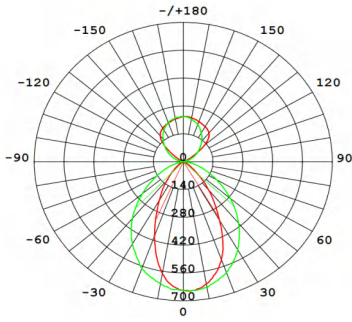
UNIT:lm/klm

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	165	911
80	100	1630
75	96	2125
70	121	2541
65	232	2947
60	383	3367
55	611	3795
50	984	4246
45	1624	4626

Sense Blade 091-WL-12LSUD

Sense Blade 091-WL-12LSUD/1FT/15W/RA90/4000K/Black



AVERAGE BEAM ANGLE(50%):72.7 DEG

NOMINALFLUX(lm):1459.61,NOMINAL POWER(W):15W,lmax(cd): 653.9,Efficay:99.29lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	623.8	640.9	643.3	615.7	570.3
20	523.4	571.8	593.7	500.3	397.4
30	339.7	454.7	510.5	346.5	227.6
40	184.3	290.5	404.1	208.5	114.1
50	67.56	168.3	289.8	117.6	45.74
60	20.44	72.06	178.4	50.51	16.40
70	4.426	18.05	92.29	15.62	3.273
80	1.897	2.721	29.79	2.670	1.590
90	1.413	1.773	0.2576	1.816	1.133

DEG LUMINOUSINTENSITY:cd/klm

Zonal Lumens

γ	Φ_{zone}	Φ_{total}
00-10	60.40	60.40
10-20	160.6	221.0
20-30	208.1	429.1
30-40	196.9	626.0
40-50	151.8	777.9
50-60	96.02	873.9
60-70	46.19	920.1
70-80	15.74	935.8
80-90	3.227	939.1

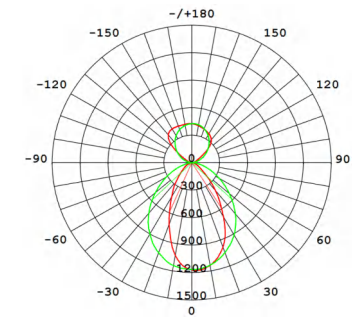
UNIT:lm/klm

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	180	960
80	109	1716
75	104	2246
70	129	2698
65	247	3107
60	409	3568
55	651	4023
50	1051	4508
45	1712	4906

Sense Blade 091-WL-12LSUD

Sense Blade 091-WL-12LSUD/2FT/30W/RA90/3000K/White



AVERAGE BEAM ANGLE(50%):75.3 DEG

NOMINALFLUX(lm):2985.28,NOMINAL POWER(W):30W,lmax(cd): 1179,Efficay:104.75lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	1140	1150	1135	1091	1028
20	980.7	1032	1044	871.3	715.1
30	681.3	844.7	909.8	609.2	434.9
40	393.8	574.1	728.9	390.1	249.9
50	176.7	353.4	527.5	246.1	134.0
60	87.42	176.2	338.8	128.6	77.51
70	43.11	69.61	182.5	63.37	37.50
80	18.56	25.04	66.42	25.78	15.70
90	2.324	5.981	3.364	6.447	2.365

DEG LUMINOUSINTENSITY:cd/klm

Zonal Lumens

γ	Φ_{zone}	Φ_{total}
00-10	108.8	108.8
10-20	290.4	399.2
20-30	382.7	781.8
30-40	377.8	1160
40-50	306.6	1466
50-60	212.2	1678
60-70	120.7	1799
70-80	53.78	1853
80-90	13.82	1867

UNIT:lm/klm

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	1018	3018
80	1069	3825
75	1190	4622
70	1261	5336
65	1506	6031
60	1748	6776
55	2124	7519
50	2749	8207
45	3882	8895

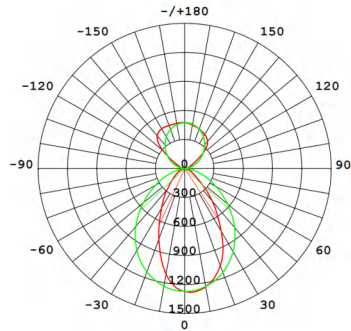
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Sense Blade 091-WL-12LSUD

Sense Blade 091-WL-12LSUD/2FT/30W/RA90/3500K/White



AVERAGE BEAM ANGLE(50%):75.5 DEG

NOMINALFLUX(lm):3281.31,NOMINAL POWER(W):30W,lmax(cd): 1281,Efficay:119.76lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	1241	1251	1238	1185	1108
20	1068	1132	1143	948.3	777.0
30	747.4	928.0	990.5	669.3	475.5
40	435.4	633.8	795.1	429.1	273.2
50	193.4	390.2	575.1	269.3	147.1
60	95.76	194.1	367.2	142.5	84.56
70	47.30	75.83	200.6	69.51	40.97
80	20.37	27.32	72.03	28.25	17.30
90	2.652	6.424	3.645	7.000	2.802

DEG LUMINOUSINTENSITY:cd/klm

Zonal Lumens

γ	Φ_{zone}	Φ_{total}
00-10	118.3	118.3
10-20	315.5	433.8
20-30	417.6	851.4
30-40	413.5	1265
40-50	335.9	1601
50-60	231.8	1833
60-70	132.0	1965
70-80	59.02	2024
80-90	15.25	2039

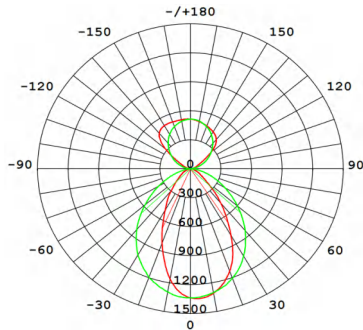
UNIT:lm/klm

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	1135	3239
80	1173	4148
75	1303	5042
70	1383	5865
65	1644	6593
60	1915	7343
55	2322	8126
50	3009	8947
45	4267	9698

Sense Blade 091-WL-12LSUD

Sense Blade 091-WL-12LSUD/2FT/30W/RA90/4000K/White



AVERAGE BEAM ANGLE(50%):75.6 DEG

NOMINALFLUX(lm):3494.13,NOMINAL POWER(W):30W,lmax(cd): 1348,Efficay:124.79lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	1307	1318	1302	1243	1160
20	1127	1196	1206	997.3	818.1
30	795.1	982.4	1044	711.6	500.7
40	462.0	671.9	835.6	455.5	288.6
50	204.9	413.5	603.3	285.0	155.2
60	101.6	205.7	386.8	151.5	89.29
70	49.76	80.14	210.6	73.30	43.32
80	21.70	28.76	75.56	29.80	18.33
90	2.892	6.688	3.612	7.313	3.093

DEG LUMINOUSINTENSITY:cd/klm

Zonal Lumens

γ	Φ_{zone}	Φ_{total}
00-10	124.4	124.4
10-20	331.7	456.1
20-30	440.7	896.8
30-40	436.8	1334
40-50	354.7	1688
50-60	244.9	1933
60-70	139.3	2072
70-80	62.28	2135
80-90	16.24	2151

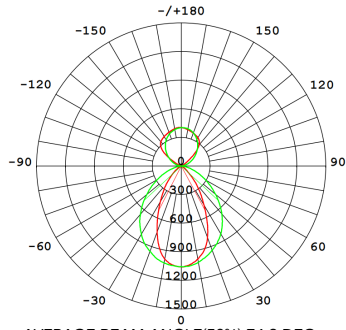
UNIT:lm/klm

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	1202	3439
80	1250	4351
75	1378	5288
70	1455	6158
65	1733	6944
60	2032	7735
55	2462	8560
50	3187	9385
45	4515	10177

Sense Blade 091-WL-12LSUD

Sense Blade 091-WL-12LSUD/2FT/30W/RA90/3000K/Black



AVERAGE BEAM ANGLE(50%):74.2 DEG

NOMINALFLUX(lm):2475.05,NOMINAL POWER(W):30W,lmax(cd):1060,Efficay:89.03lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	990.7	1007	1024	1023	991.4
20	797.7	876.2	940.1	870.6	735.0
30	471.2	643.4	821.3	617.4	437.8
40	232.2	388.6	655.6	385.2	234.5
50	74.19	212.2	465.6	221.8	90.19
60	22.55	73.88	289.5	99.59	29.92
70	2.954	16.03	144.4	29.27	5.360
80	1.420	2.158	41.57	2.777	1.983
90	0.8775	1.409	0.0258	1.588	1.176

DEG LUMINOUSINTENSITY:cd/klm

Zonal Lumens

γ	Φ_{zone}	Φ_{total}
00-10	98.59	98.59
10-20	265.4	364.0
20-30	342.9	706.9
30-40	321.2	1028
40-50	247.3	1275
50-60	157.4	1433
60-70	78.02	1511
70-80	27.53	1538
80-90	4.389	1543

UNIT:lm/klm

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	126	1135
80	82	2394
75	89	3358
70	86	4221
65	195	5018
60	451	5790
55	713	6532
50	1154	7244
45	1889	7924

Sense Blade 091

Wall Mount

WISDOM LIGHT

SenseBlade091-WL-12LSUD

NOMINALFLUX(lm):2727.28,NOMINAL POWER(W):30W,lmax(cd):1180,Efficay:100.64lm/W

SenseBlade091-WL-12LSUD/2FT/30W/RA90/3500K/Black

Zonal Flux Diagram

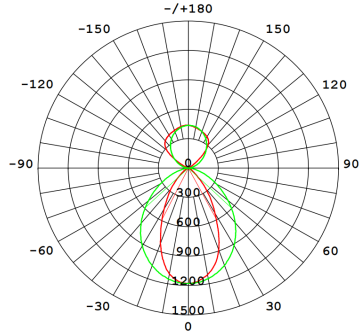
γ	C0	C45	C90	C135	C180
10	1105	1128	1146	1136	1099
20	888.3	981.5	1057	968.2	818.8
30	531.4	725.1	912.5	689.2	487.5
40	264.0	436.1	728.0	431.1	261.6
50	82.05	238.8	517.2	246.2	100.6
60	25.27	83.30	318.4	110.8	33.32
70	3.323	18.05	160.3	32.54	6.037
80	1.587	2.416	46.56	3.123	2.208
90	0.9891	1.571	0.0332	1.760	1.348
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

γ	φ zone	φ total
00-10	109.9	109.9
10-20	295.3	405.2
20-30	382.0	787.2
30-40	358.5	1146
40-50	276.2	1422
50-60	175.3	1597
60-70	86.55	1684
70-80	30.62	1714
80-90	4.859	1719
UNIT:lm/klm		

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	140	1280
80	91	2681
75	99	3749
70	97	4688
65	220	5535
60	505	6368
55	799	7216
50	1276	8046
45	2142	8831



SenseBlade091-WL-12LSUD

NOMINALFLUX(lm):2898.34,NOMINAL POWER(W):30W,lmax(cd):1255,Efficay:103.51lm/W

SenseBlade091-WL-12LSUD/2FT/30W/RA90/4000K/Black

Zonal Flux Diagram

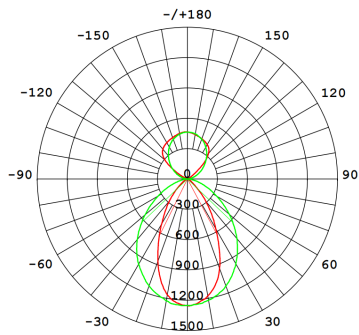
γ	C0	C45	C90	C135	C180
10	1174	1203	1218	1204	1165
20	940.9	1048	1127	1028	865.3
30	567.8	772.4	967.8	733.8	521.3
40	284.1	466.3	769.8	457.4	279.7
50	88.19	254.9	547.8	261.6	107.4
60	26.88	88.66	335.4	117.9	35.59
70	3.558	19.11	169.5	34.51	6.436
80	1.701	2.578	49.57	3.290	2.341
90	1.108	1.680	0.0357	1.692	1.415
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

γ	φ zone	φ total
00-10	116.8	116.8
10-20	313.8	430.6
20-30	406.0	836.7
30-40	381.4	1218
40-50	293.8	1512
50-60	186.1	1698
60-70	91.70	1790
70-80	32.79	1822
80-90	5.438	1828
UNIT:lm/klm		

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	154	1357
80	98	2855
75	106	3990
70	104	4956
65	234	5837
60	538	6708
55	851	7602
50	1372	8522
45	2304	9333



Sense Blade 091

Wall Mount

WISDOM LIGHT

Pendant Mount Optional



Product design and development is an ongoing process at Shenzhen Wisdom Light Co.,Ltd.

We reserve the right to change specifications.

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FILE NAME: Sense Blade 091
May 07 , 2025

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Contact us for the latest product information.