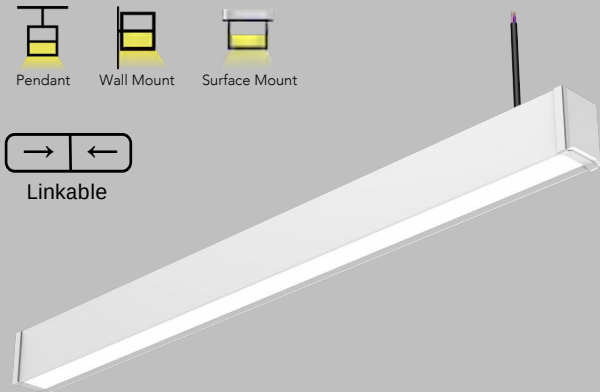
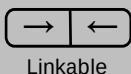


IP65 Dense 276

Pendant, Wall Mount, Surface Mount

WISDOM LIGHT



The Dense 276, an IP65-rated linear luminaire, is an ideal choice for long-term professional lighting applications in wet locations.

It features a unique triple-cavity extruded aluminum housing with a double-layer isolation end cap structure.

Mounting options include rigid stem pendant, recessed, wall, and surface mount.

Designed for demanding environments, this IP65-rated luminaire offers protection against moisture, wind, dust, oil, and insects.

The co-extruded gasketed lens is IK08-rated and features a clean design with no exposed fasteners.

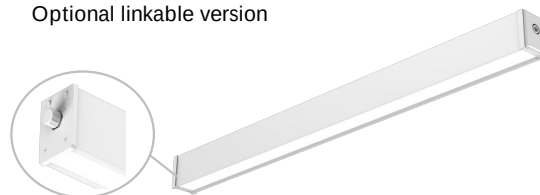


IP65

Features

- Fully waterproof and dustproof, ideal for long-term use in humid environments.
- Triple-cavity extruded aluminum housing for superior stability and heat dissipation.
- Co-extruded waterproof PC lens, impact-resistant, and long-lasting.
- Supports pendant, recessed, wall, and surface mounting for flexible installation.
- Optional linkable design, supports up to 7 units for large-area lighting.

Optional linkable version



Dense 276	Length	Wattage Select	Lumen	Nominal Efficacy	CCT Select	Input Voltage	Dimmable	CRI	Flicker	UGR
WL-22LSD2FT20WB3D1UV (XXK-XXK-XXK)-YY	2FT	10W/15W/20WSelect	1050Lm 1575Lm 2100Lm	105Lm/W	3000K/3500K/4000K Select or 3000K/4000K/5000K Select	AC120-277V	0-10V (1%-100%, dim to off)	>80	<5%	28
WL-22LSD4FT40WB3D1UV (XXK-XXK-XXK)-YY	4FT	20W/30W/40WSelect	2100Lm 3150Lm 4200Lm	105Lm/W						
WL-22LSD8FT80WB3D1UV (XXK-XXK-XXK)YY	8FT	40W/60W/80WSelect	4200Lm 6300Lm 8400Lm	105Lm/W						
WL-22LSD 8FT140WADUV(XXK)-YY	8FT	140W	14700Lm	105Lm/W	3000K-5000K Single CCT		0-10V (10%-100%)			
WL-22LSD4FT70WADUV(XXK)-YY	4FT	70W	7350lm	105Lm/W						

* Remark: CRI 90 are available,

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

IP65 Dense 276

Pendant, Wall Mount, Surface Mount

WISDOM LIGHT

Order Guide

Sample Model#: Dense 276 WL-22LSD4FT40WB3D1UV(30K-35K-40K)-WH

Dense 276	WL-22LSD								
Luminaire ID	Product Name	Length	Wattage	Series	Dimming	Voltage	CCT(SDCM<5)	Finish	Wiring Exit Type
Dense 276 = 2.75 " width	WL-22LSD = Gen22 IP65 Linear Down Light Only	2FT — 20W=10W/15W/20W Select 4FT — 40W=20W/30W/40W Select — 70W=70W 8FT — 80W=40W/60W/80W Select — 140W=140W		B3=3CCT Select (Internal dip-switch) 3Watt Select (Internal dip-switch) A=Single CCT	D1=0-10V (1%-100%) D=0-10V (10%-100%)	UV=120-277V	(30K-35K-40K)= 3000K/3500K/4000K 3 CCT Select (30K-40K-50K)= 3000K/4000K/5000K 3 CCT Select XXK=3000K/3500K/ 4000K/5000K Single	YY= BK=Black WH=White SA=Silver	U = Top exit (Standard version, non-linkable) S = Side exit (Linkable version)-Option

Accessories

Mounting Accessories	Other Accessories
NPT=1/2'&3/4 NPT stem Pendant	AC07=5-Core 300VCable 7FT,L=2.13m
SMB=B-Type Surface Mount	AC12=5-Core 300V Cable 12FT,L=3.66m
WMB=B-type wall mount	EM=Emergency backup(Ext erior)
RMG=Frame Type Recessed Mount Kits	UDF=Upper Decorative Film



AC07=
5-Core 300V Cable 7FT,L=2.13m
AC12=
5-Core 300V Cable 12FT,L=3.66m



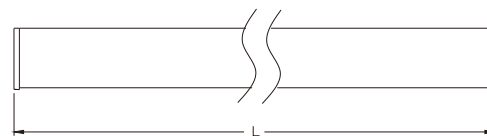
EM=Emergency backup



UDF=Upper Decorative Film
Made of PET material, is designed to prevent dust accumulation in the top slot during hoisting or installation.The standard length is 2FT,could be cut to any length

Dimension

Size	L=Length	W=Width	H=Height
2'	24.88" (632mm)	2.99"(76mm)	3.78"(96mm)
4'	48.50" (1232mm)		
8'	95.75" (2432mm)		



IP65 Dense 276

Pendant, Wall Mount, Surface Mount

WISDOM LIGHT

Product Specifications

Construction

- Precision cut housing extruded from 6063 aluminum
- Die-casting end-caps ensure a robust and clean construction
- Nominal 2'-8' illuminated sections for continuous runs
- Standard white, black, silver and custom powder coat paint
- Co-extruded stabilized gaskets run the length of the diffusers to prevent water and dust intrusion.

Light Engine

- Standard 3 CCT select, 3000K/3500K/4000K
- CRI $R_a \geq 80$ or $R_a \geq 90$, Standard Color accuracy:
 - $\leq 5SDCM$ (Single CCT), $\leq 7SDCM$ (Mixed CCT)
 - $\leq 3SDCM$ or $\leq 5SDCM$, are available

LED Drivers

- Class II UL certified driver
- Traditional electronic drivers are available for AC120- 277V
- Flicker free $<5\%$, $PFC > 0.9$, $THD < 20\%$

Controls and Integrated Sensors

- Equipped standard with a 0-10V continuous dimming driver. Compatible with most standard dimming devices
- Additional control types are available (DALI & Lutron)

Mounting

- Pendant
- Surface Mount
- Wall Mount

LINKABLE FUNCTION

- Max number after interconnection
 - 2FT=7 units 4FT=7 units 8FT=4 units
- Total connected load is $<420W$ at 120V & $<960W$ at 277V

Lumen Maintenance

- 90% (L90) of initial light output at 36,000+ hrs
- 70% (L70) of initial light output at 54,000+ hrs
- Derived from TM-21 standard @25°C for worst case operating conditions

Lengths

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

Electrical

- 0-10V Dimming provided as standard
- Exterior Battery backup options provided

Weight

- Approximately 1.87lbs per foot, Weight may vary depending on mounting and additional options selected

Environment

- Suited for wet location installations.
- Operating temperature range: $-25^{\circ}C$ to $50^{\circ}C$ (for 70W and 140W models, the operating temperature range is $-25^{\circ}C$ to $40^{\circ}C$).

Compliance

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

Warranty

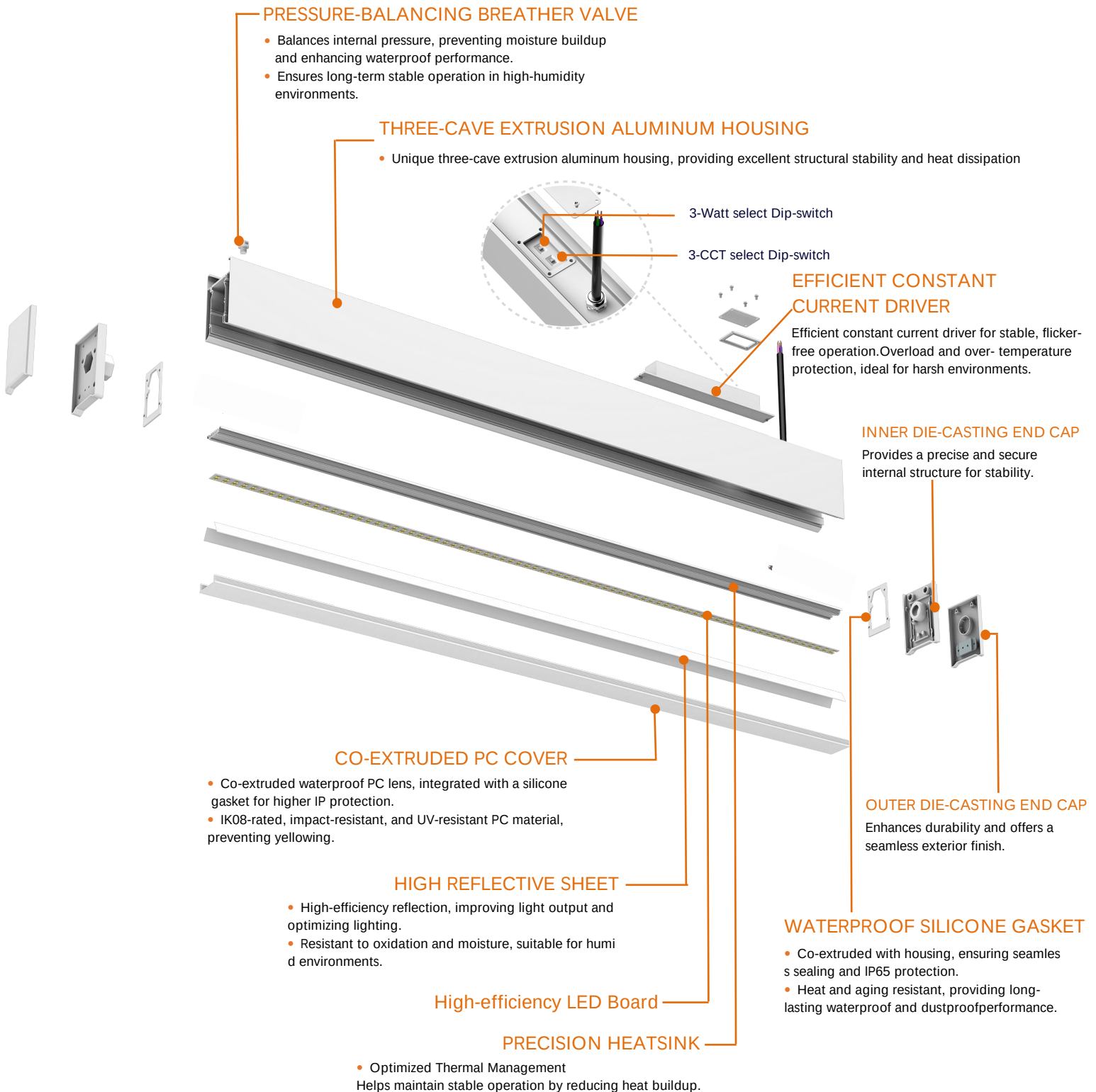
- Five year warranty standard. Optional ten year warranty available

IP65 Dense 276

Pendant, Wall Mount, Surface Mount

WISDOM LIGHT

Standard Version Features



IP65 Dense 276

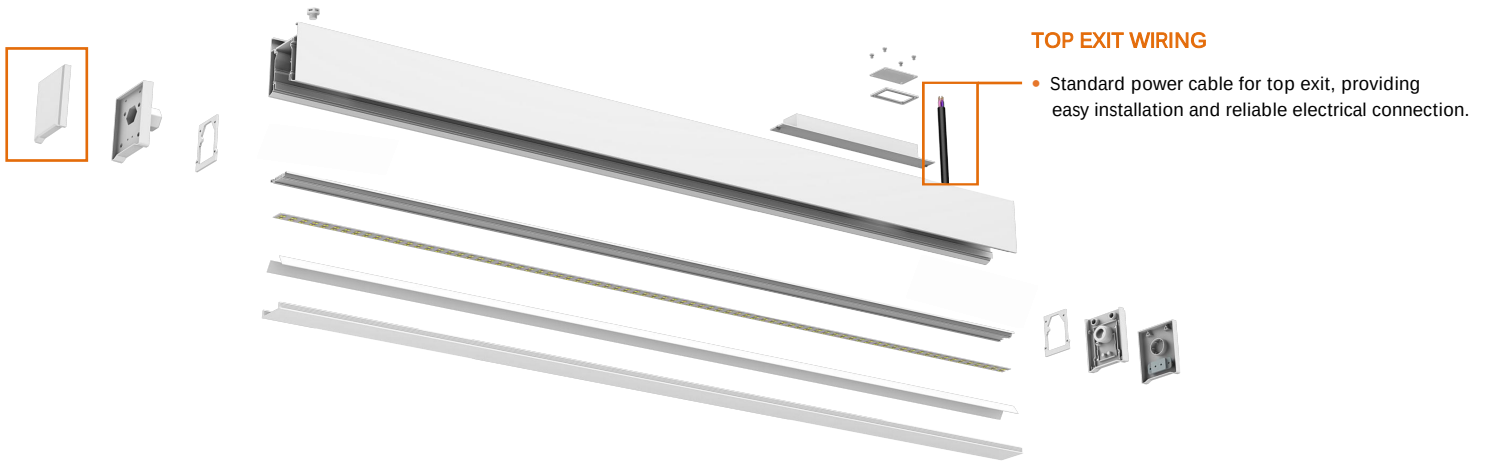
Pendant, Wall Mount, Surface Mount

WISDOM LIGHT

WIRING EXIT TYPE

| U = Top Exit (Standard Version, Non-Linkable)

- Description: The standard version with top exit wiring, designed for individual installations where seamless connection is not required.
- Use Case: Ideal for standalone installations, providing a clean and simple wiring solution.

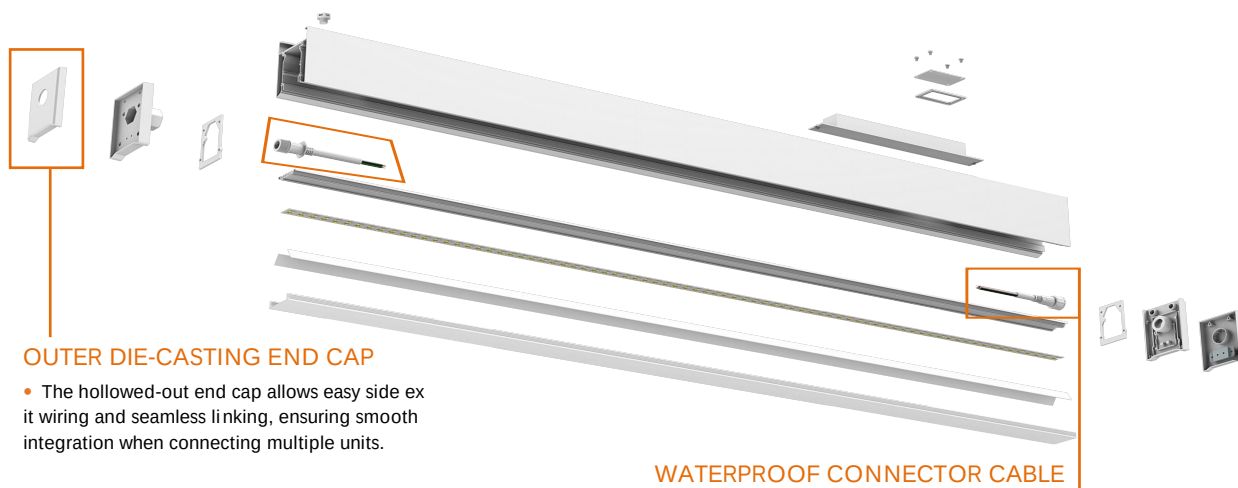


TOP EXIT WIRING

- Standard power cable for top exit, providing easy installation and reliable electrical connection.

| S = Side Exit (Linkable Version)-Option

- Description: The linkable version with side exit wiring, designed for seamless, continuous connections. This version allows multiple units to be connected without gaps, enabling versatile and expansive lighting designs.
- Use Case: Perfect for projects that require long, uninterrupted lighting stretches, offering flexibility and ease of installation.



OUTER DIE-CASTING END CAP

- The hollowed-out end cap allows easy side exit wiring and seamless linking, ensuring smooth integration when connecting multiple units.

WATERPROOF CONNECTOR CABLE

- High-quality waterproof connectors ensure safe and reliable electrical connections.
- Corrosion and moisture resistant for outdoor and harsh environments.

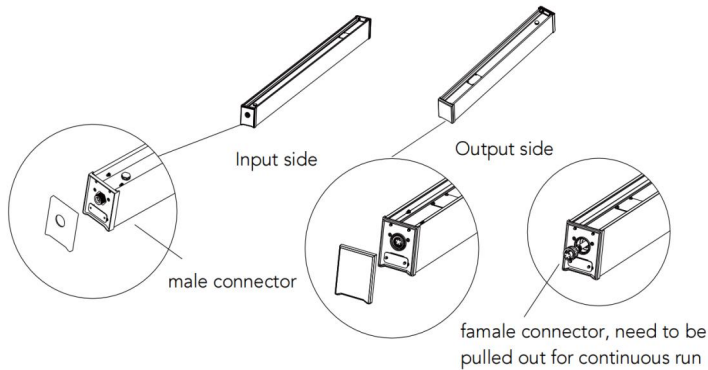
IP65 Dense 276

Pendant, Wall Mount, Surface Mount

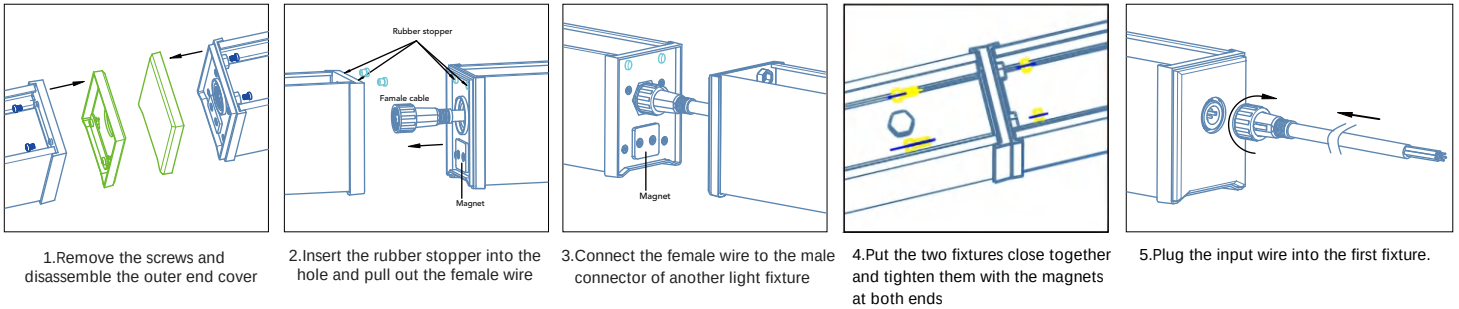
WISDOM LIGHT

Linkable Version

Note: The input side connect the input wire, the output side used for continuous run, to connect the middle or end fixtures

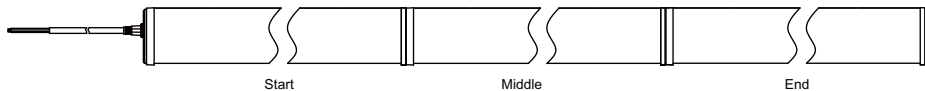


Quick linkable function



Single Direction

Input 120-277V



| Max number after interconnection 2FT= 7 units 4FT=7 units 8FT=4 units
Total connected load is <420W at 120V & <960W at 277V

IP65 Dense 276

Pendant, Wall Mount, Surface Mount

Accessory Options

1.1 NPT-1/2" & 3/4 NPT Pendant



1	Pendant Bracket	1PCS	4	ScrewM4x50mm	4PCS	7	Screw PM4*50mm	6PCS	10	M10 nut	4PCS
2	Canopy	2PCS	5	Screw BA4x30mm	4PCS	8	Stem (linckable standard length 1FT)	4PCS	11	Screw PWM4x8mm	2PCS
3	U Bracket	4PCS	6	Plastic Anchor	4PCS	9	Cored screw M10X20mm	4PCS			

1.2 SMB - B-Type Surface Mount



1	Surface mount bracket	1PCS
2	Junction box cover	1PCS
3	Screw PM4X70mm	4PCS
4	Plastic Anchor	4PCS
5	Screw PM4X6mm	6PCS

1.3 WMB-B-Type Wall Mount kits



1	Wall-mount Bracket	2PCS
2	Junction box cover	1PCS
3	PA4*30MM	4PCS
4	Plastic Anchor	4PCS
5	Screw PM4X6mm	6PCS

IP65 Dense 276

Pendant, Wall Mount, Surface Mount

WISDOM LIGHT

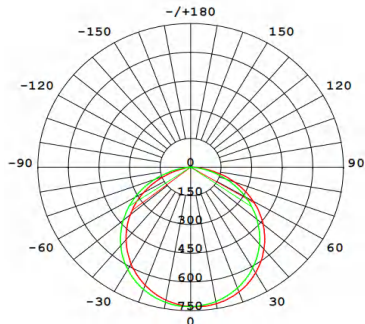
Light distribution

Housing & CCT	Lumen output	
	Standard	High Power
White & 3000K	1150LM/FT,10W/FT	2580LM/FT,22.5W/FT

All efficacy is $\pm 5\%$ base on different CCT and lighting distributions. For other lens, CCT, housing color etc. please check the IES file to gain

Dense-276

Dense-276/2FT/20W/RA80/3500K/White



AVERAGE BEAM ANGLE(50%):111.2 DEG

NOMINALFLUX(lm):2029.48,NOMINAL POWER(W):20W,lmax(cd): 730.1,Efficay:103.02 lm/W

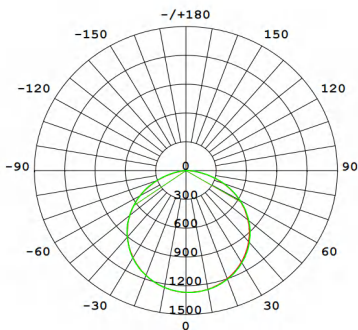
Zonal Flux Diagram					
γ	C0	C45	C90	C135	C180
10	724.0	720.	712.	709.4	705.2
20	0693.0	3685.	5671.	665.1	655.8
30	0637.2	5627.	7608.	598.7	585.3
40	559.4	2547.	0525.	512.7	493.9
50	464.7	8451.	1424.	411.5	388.2
60	353.4	7340.	6310.	296.6	269.5
70	230.9	6218.	3188.	172.5	138.9
80	95.88	392.	168.	51.06	12.77
90	0.8126	0.7373	0.1574	0.1818	0.0509
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens		
γ	Φ_{zone}	Φ_{total}
00-10	68.88	68.88
10-20	197.0	265.8
20-30	297.8	563.7
30-40	358.1	921.8
40-50	370.2	1292
50-60	332.1	1624
60-70	247.9	1872
70-80	130.1	2002
80-90	23.18	2025
UNIT:lm/klm		

LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4662	3175
80	6586	4722
75	7615	5798
70	8054	6550
65	8282	7036
60	8431	7390
55	8555	7656
50	8623	7865
45	8676	8031

Dense-276

Dense-276/4FT/40W/RA80/3500K/White



AVERAGE BEAM ANGLE(50%):113.8 DEG

NOMINALFLUX(lm):3025.58 ,NOMINAL POWER(W):40W,lmax(cd): 1272,Efficay:110.53lm/W

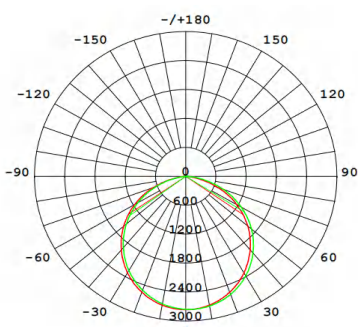
Zonal Flux Diagram					
γ	C0	C45	C90	C135	C180
10	1255	1264	1258	1244	1236
20	1198	1214	1203	1177	1162
30	1100	1123	1108	1072	1048
40	966.6	994.8	976.8	932.3	902.3
50	803.1	834.2	812.5	763.6	727.4
60	612.3	645.6	618.7	567.6	526.7
70	396.1	433.3	401.0	350.6	303.2
80	170.8	205.7	175.4	125.6	81.17
90	1.447	14.26	9.811	0.8279	0.2636
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens		
γ	Φ_{zone}	Φ_{total}
00-10	120.0	120.0
10-20	344.0	464.0
20-30	522.4	986.4
30-40	632.9	1619
40-50	660.8	2280
50-60	602.1	2882
60-70	461.2	3343
70-80	257.2	3601
80-90	58.43	3659
UNIT:lm/klm		

LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	78387	88494
80	99349	100357
75	110468	110418
70	117015	116493
65	121333	120453
60	123721	122945
55	125252	124553
50	126240	125585
45	126888	126303

Dense-276

Dense-276/4FT/70W/RA80/4000K/White



AVERAGE BEAM ANGLE(50%):110.9 DEG

NOMINALFLUX(lm):7635.96,NOMINAL POWER(W):75W,lmax(cd): 2765,Efficay:102.36lm/W

Zonal Flux Diagram					
γ	C0	C45	C90	C135	C180
10	2711	2727	2730	2728	2711
20	2557	2592	2603	2597	2556
30	2310	2364	2382	2375	2313
40	1987	2056	2077	2070	1991
50	1608	1681	1705	1700	1610
60	1165	1250	1267	1271	1174
70	675.5	774.9	793.3	798.	691.
80	176.2	285.2	308.0	5305.6	2187.4
90	0.6318	0.8398	3.834	0.9876	0.1842
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens		
γ	Φ_{zone}	Φ_{total}
00-10	260.9	260.9
10-20	745.9	1007
20-30	1127	2134
30-40	1353	3487
40-50	1397	4884
50-60	1252	6136
60-70	932.7	7069
70-80	480.0	7549
80-90	71.36	7620
UNIT:lm/klm		

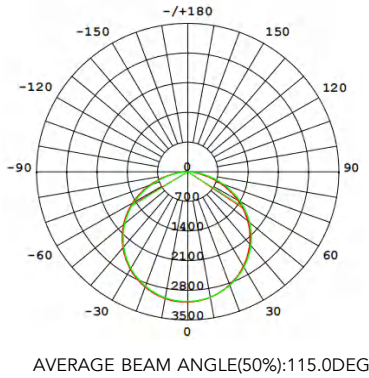
LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	956	14742
80	12078	21113
75	19497	24956
70	23513	27614
65	26218	29115
60	27740	30155
55	28845	30975
50	29780	31583
45	30380	31959

IP65 Dense 276

Pendant, Wall Mount, Surface Mount

WISDOM LIGHT

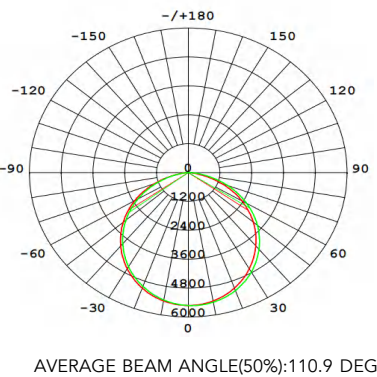
Dense-276
Dense-276/8FT/80W/RA80/4000K/White



NOMINALFLUX(lm):8954.09,NOMINAL POWER(W):80W,lmax(cd) : 3077,Efficay:107.88lm/W

Zonal Flux Diagram						Zonal Lumens			LUMINANCE cd/(m2)		
γ	C0	C45	C90	C135	C180	γ	Φzone	Φtotal	G(DEG)	C0/180	C90/270
10	3007	2997	3005	3022	3037	00-10	290.0	290.0	85	4606	16669
20	2837	2832	2848	2884	2895	10-20	832.3	1122	80	14929	20712
30	2576	2577	2601	2654	2659	20-30	1267	2389	75	20252	23849
40	2233	2240	2272	2340	2338	30-40	1539	3928	70	23306	25829
50	1818	1833	1870	1952	1940	40-50	1614	5541	65	25410	27164
60	1337	1360	1402	1498	1475	50-60	1478	7019	60	26735	28043
70	797.1	837.4	883.4	989.4	946.6	60-70	1139	8158	55	27619	28642
80	259.2	306.2	359.7	445.8	376.5	70-80	642.3	8800	50	28286	29098
90	0.7834	2.088	8.343	4.735	1.339	80-90	140.6	8941	45	28765	29406
DEG	LUMINOUSINTENSITY:cd/klm					UNIT:lm/klm					

Dense-276
Dense-276/8FT/140W/RA80/4000K/White



NOMINALFLUX(lm):15271,NOMINAL POWER(W):140W,lmax(cd) : 5526,Efficay:102.35lm/W

Zonal Flux Diagram						Zonal Lumens			LUMINANCE cd/(m2)		
γ	C0	C45	C90	C135	C180	γ	Φzone	Φtotal	G(DEG)	C0/180	C90/270
10	5412	5451	5464	5463	5413	00-10	521.8	521.8	85	1435	22112
20	5104	5181	5211	5200	5103	10-20	1492	2013	80	18118	31670
30	4611	4725	4768	4756	4618	20-30	2253	4267	75	29245	37434
40	3966	4110	4156	4145	3975	30-40	2705	6972	70	35269	41421
50	3210	3360	3413	3404	3213	40-50	2794	9767	65	39327	43672
60	2326	2498	2535	2546	2345	50-60	2505	12271	60	41609	45232
70	1349	1549	1588	1599	1380	60-70	1865	14136	55	43267	46463
80	351.7	570.2	616.4	611.9	374.2	70-80	960.8	15097	50	44670	47375
90	1.261	1.679	7.673	1.978	0.3676	80-90	143.0	15240	45	45571	47939
DEG	LUMINOUSINTENSITY:cd/klm					UNIT:lm/klm					