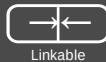
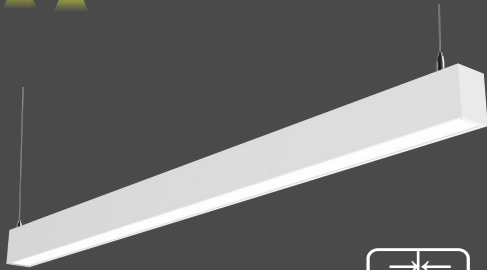


Dense 198

Pendant, Surface, Wall Mount, Recessed

WISDOM LIGHT

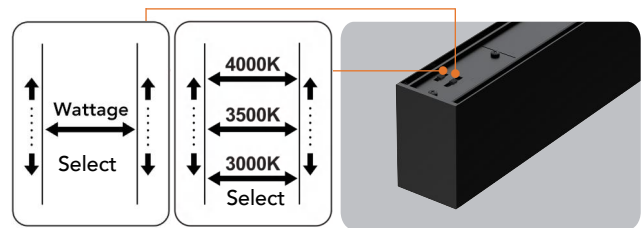


Dense 198 is a 1.97-inch-wide economy linear light. This direct light is available in 2FT, 4FT, and 8FT lengths and can be installed in continuous, seamless runs of any length. The H-shaped extruded aluminum housing supports various mounting methods, including pendant, recessed, surface, and wall mounting. Its soft and continuous illumination makes it an ideal luminaire for commercial, hospitality, and residential interior lighting applications.



PRODUCT FEATURES

- CRI: 80, PF>0.90, UGR<28,
- Pendant, Wall Mount, Surface Mount, Recessed
- B2-series: External dip-switch for 3-CCT, 3-Watt
- Seamless continuous runs or individuals
- PC diffuser producing soft light
- Connection patterns: "L" "T" "X" shape
- Smoothly 0-10 dimming (10-100%)



Model	Length	Watt select	Lumens	Efficacy	CCT Select	Voltage	Dimming	CRI
WL-17LSD2FT 20WB2DUV(XXK-XXK-XXK)-YY-ZZ	2FT	10W/15W/20W	1050lm/1575lm/2100lm	105lm/W	3000K 3500K 4000K	AC120-277V	0-10V (10-100%)	>80
WL-17LSD4FT 40WB2DUV(XXK-XXK-XXK)-YY-ZZ	4FT	20W/30W/40W	2100lm/3150lm/4200lm					
WL-17LSD8FT 80WB2DUV(XXK-XXK-XXK)-YY-ZZ	8FT	40W/60W/80W	4200lm/6300lm/8400lm					

* Remark: CRI 90 or 130lm/W are available.
Standard SDCM≤5 (Single CCT), SDCM≤7 (Mixed CCT); SDCM≤3 or SDCM≤5, are available.

Dense 198

Pendant, Surface, Wall Mount, Recessed

WISDOM LIGHT

Order Guide

Sample Model#: Dense-198-17LSD2FT20WB2DUV(XXK-XXK-XXK)-YY-ZZ

Luminaire ID	Mode	Length	Wattage	Series	Dimming	Power Voltage	CCT	Finish	Installation mode	AdditionalFunction
Dense 198	WL-17LSD	2FT	20W= 10W/15W/20W Select	B2= 3-CCT Select, 3-Watt Select	D= 0-10V (10%-100%)	UV= 120-277V	(XXK-XXK-XXK)= (30K-35K-40K)= 3000K/3500K/ 4000KCCT Select	YY= BK=Black WH=White SA=Silver CUS=Custom	ZZ= PD=Pendant WM= Wall Mount SM= Surface Mount RM=Recessed	Blank=Non [EM]=Emergency Backup [BM]=Mesh control
		4FT	40W= 20W/30W/40W Select							
		8FT	80W= 40W/60W/80W Select							

Accessories

MOUNTING ACCESSORIES	CANOPY TYPE	OTHER ACCESSORIES
STF=Aircraft Cable(F type)	SCKA=D5"XH0.8"Canopy	LBKB=Linckble bracket with hook
WMB=B-Type Wall Mount kits	SCKB=D5"XH0.31'Slim Canopy	8EM=8W Internal EM
RML=(C-type)Frangeless Recessed Mount	SCKC=D1.7"X0.31" Slim Canopy	MAC=Multi-Directional Power Hamess
RMG=Frame type Recessed Mount Kits	SDS=Drywall Canopy Kits	CBM=Wireless Control Box /Metal
SMC=Surface Mount bracket	SCS=Drop ceiling Canopy Kits	Pattern Options
CABLE	CANOPY FINISH	LLS=L-Shape (Lit-Pattern)
73AC-5C=7'5-core 300V Cable	BC=Black	TLS=T-Shape (Lit-Pattern)
73AC-6C=7'6-Core 300V Cable	WC=White	XLS=X-Shape (Lit-Pattern)
	SC=Sliver	

Product Specifications

Construction

- Precision cut housing extruded from 6063 aluminum
- PC end-caps ensure a robust and clean construction
- Nominal 2'- 8' illuminated sections with various connectors for continuous runs and shapes
- Standard white, black, silver and custom powder coating

Light Engine

- Standard 3-CCT Select, 3000K/3500K/4000K, 3500K/4000K/5000K are available
- Standard CRI $R_a \geq 80$, optional $R_a \geq 90$; Standard $SMCM \leq 5$ (Single CCT) or ≤ 7 SDCM (Mixed CCT); If SDCM ≤ 3 SDCM are available.
- 3-Watts select

LED Drivers

- Class II UL certified driver
- Traditional electronic drivers are available for AC120- 277V
- Flicker free $<30\%$, $PFC > 0.9$, $THD < 20\%$

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
- Wall Mount
- Surface Mount
- Recessed

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

Lengths

- Standard 2FT, 4FT, 8FT
- Any length is available, please consult factory.

Corners and Transition Pieces

- Corners and other transition pieces are fully luminous
- Constructed using precision mitered housing and lens components
- Extrusions are welded to ensure a precise and robust assembly
- Standard 90° horizontal corners as well as custom corners are available
- Consult online linear configurator or the factory for precise corner locations and for ordering
- Alternative transition pieces such as L's, T's, X's, etc. are also available

Electrical

- 0-10V Dimming provided as standard
- Dimming wires capped with wire nuts for non-dimming applications
- Battery backup options provided
- Default battery location is internal to the fixture
- Default emergency section is from 4ft to 8ft, except 2ft
- Estimated lumen output = battery wattage * nominal efficacy
- The EPC option will bypass local controls and dimming upon loss of normal power. This option is required when the fixture has both integrated sensors and emergency circuiting

Weight

- Approximately 1.2lbs per foot, Weight may vary depending on mounting and additional options selected

Environment

- Suited for damp location installations.
- Operating temperature range: $-25^{\circ}C$ to $50^{\circ}C$

Approvals

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

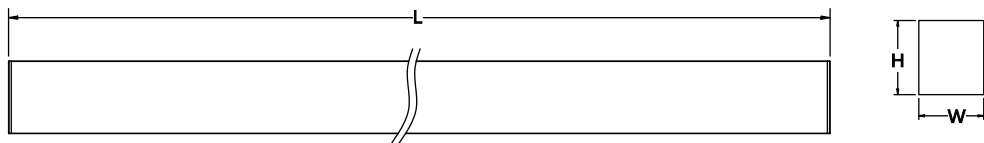
Warranty

- Five years warranty as standard.

Dense 198

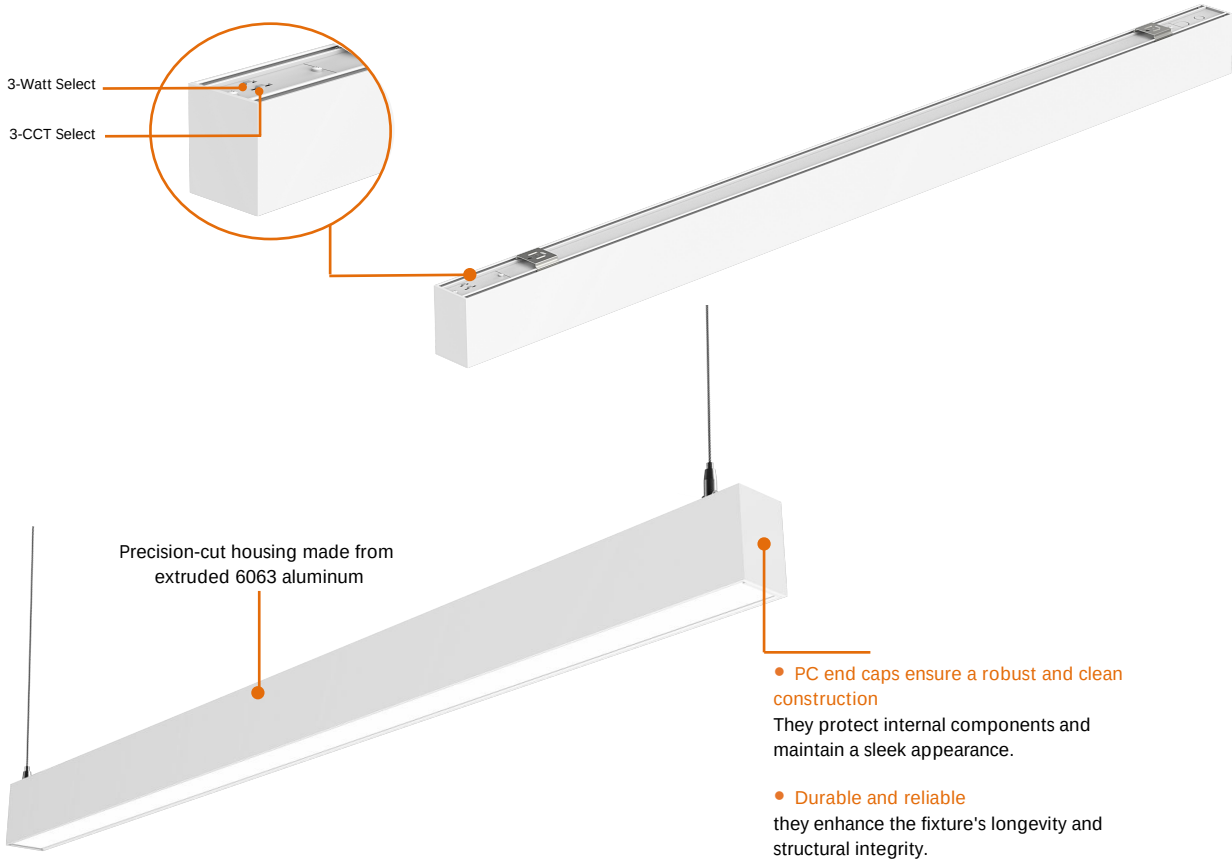
Pendant, Wall Mount

Dimension



MODEL	L=Length	W=Width	H=Height
WL-17LSD2FT20WB2DUV(XXK-XXK-XXK)-YY-ZZ	23.85"(606mm)	1.97"(50mm)	2.75"(70mm)
WL-17LSD4FT40WB2DUV(XXK-XXK-XXK)-YY-ZZ	47.67"(1206mm)		
WL-17LSD8FT80WB2DUV(XXK-XXK-XXK)-YY-ZZ	94.72"(2406mm)		

Features

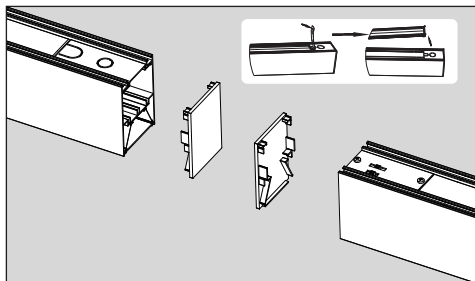


Dense 198

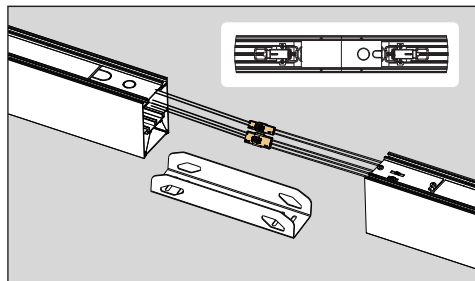
Pendant, Surface, Wall Mount, Recessed

WISDOM LIGHT

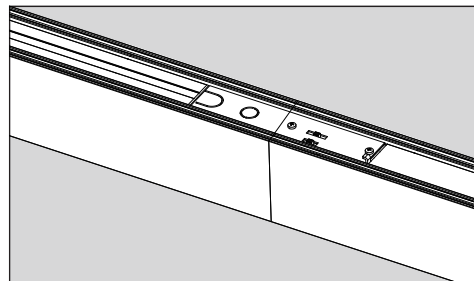
Quick linkable function



Step 1. Remove the end caps and open the upper metal cover with tool

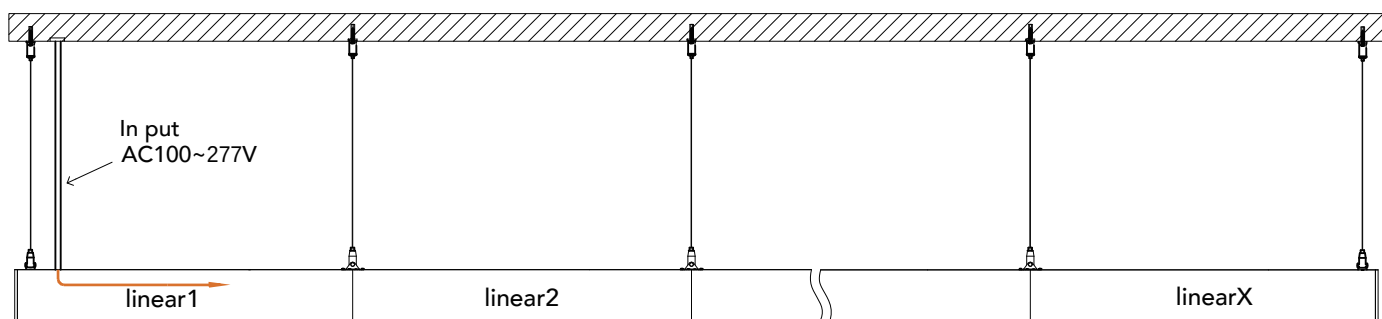


Step 2. Insert splicing bracket, Connect wiring via male/female quick connectors
Slide lamp together, and fasten bracket with included buckles

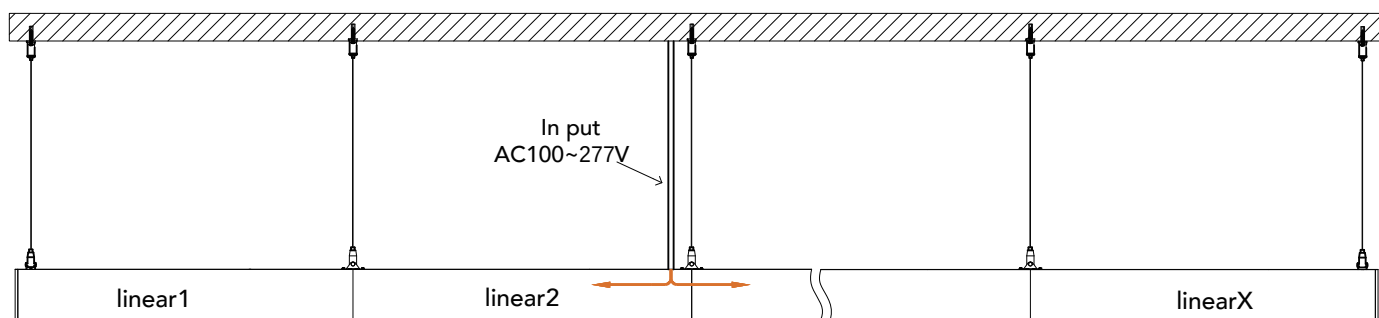


Step 3. Put the upper metal cover assembly back together, and adjustable the aircraft cable to the target position

Single Direction



Multi-Direction



Max number after interconnection 2FT= 7 units 4FT=7 units 8FT=4 units

Total connected load is <420W at 120V & <960W at 277V

* For Multi-Direction wiring requires use of accessory MAC (see page 8)



LBKB(Link Bracket with Hook)

Dense 198

Pendant, Surface, Wall Mount, Recessed

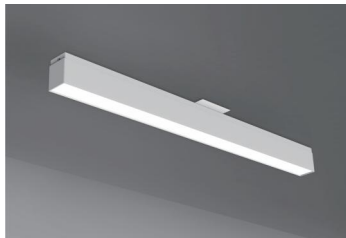
WISDOM LIGHT

Mounting Options

| Wall Mount



| Surface



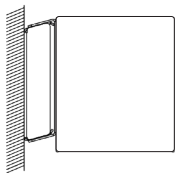
| Recessed



| Pendant

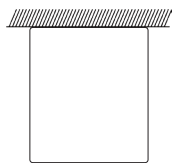


| Wallmount



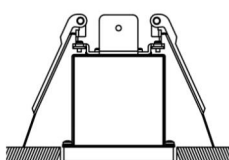
1. WMB-Wall Mount Kits B-Type

| Surface Mount

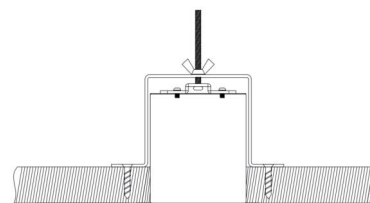


2. SMC=C-Type Surface Mount

| Recessed



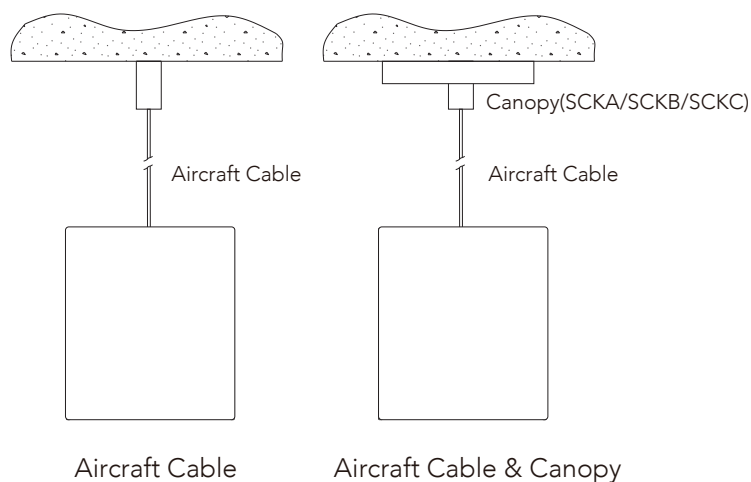
3. RMG=Frame Type Recessed Mount Kits



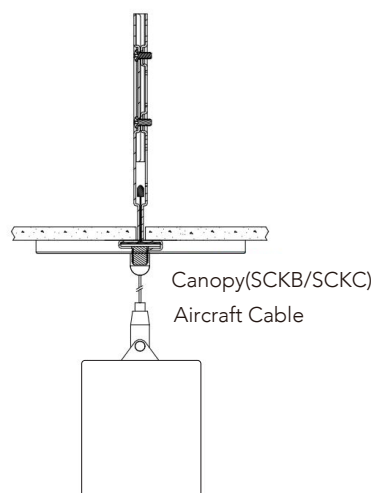
3.2 RML=C-type Flangeless recessed

| Pendant

4.1 Dry Ceiling Suspension



4.2 Drop Ceiling Suspension

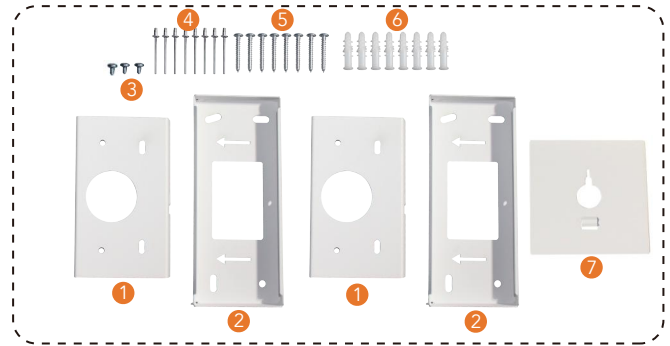


Dense 198

Pendant, Surface, Wall Mount, Recessed

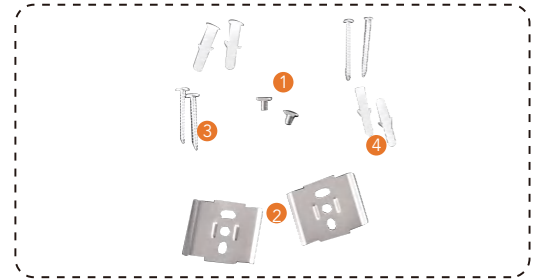
WISDOM LIGHT

1.WMB-Wall Mount Kits B-Type



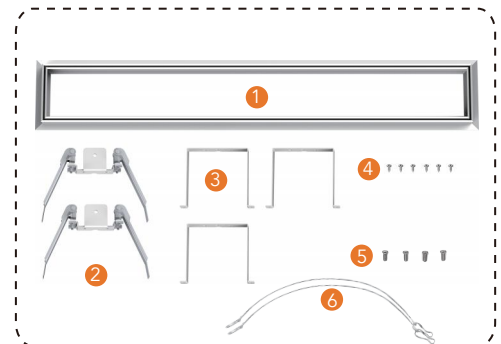
1	B Wall-mount Bracket-1(On fixture)	2PCS	4	Rivet	8PCS	7	Decorative plate	1PCS
2	B Wall-mount Bracket-2(On wall)	2PCS	5	Screw BA4x30MM	8PCS			
3	Screw PM4x6MM	3PCS	6	Plastic Anchor	8PCS			

2.SMC=C-Type Surface Mount Kits



1	Bracket	2pcs (2'4') 3pcs (8')
2	Screw PA4*30	4pcs (2'4') 6pcs (8')
3	Plastic Anchor	4pcs (2'4') 6pcs (8')

3.RMG-Frame Type Recessed Mount Kits



Recommended hole size		
Fixture Size	Length(in)	Width(in)
2FT	24.73	2.82
4FT	48.34	2.82
8FT	95.61	2.82

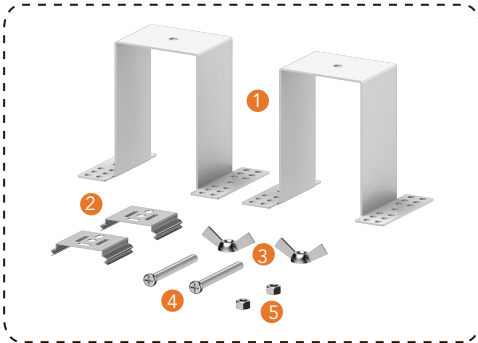
1	Recessed Frame	1PCS	4	ScrewPB3.5*8	4pcs(2') 6pcs(3'4') 10pcs(6'8')
2	Fixture Spring Clips	2pcs(2'3'4') 3pcs(6'8')	5	Screw PM4*8	4pcs(2'3'4') 6pcs(6'8')
3	U Bracket	2pcs(2')3pcs(3'4') 5pcs(6'8')	6	Safety Cable	2pcs(2'3'4') 3pcs(6'8')

Dense 198

Pendant, Surface, Wall Mount, Recessed

WISDOM LIGHT

3.2RML- C-Type/Flangeless Recessed Mount



1	U Bracket	2PCS	4	Screw PM5*50	2PCS
2	Fixed Bracket	2PCS	5	Lock Washer	2PCS
3	M5 Wing nut	2PCS			

Canopy Type Power feed/None Power feed

4.1 Dry Ceiling Suspension

SCKA D5"*H0.8"



Non Power feed



Power feed

SCKB Slim D5"*H0.3"



Non Power feed



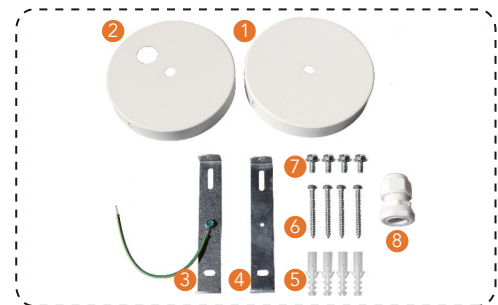
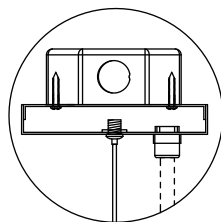
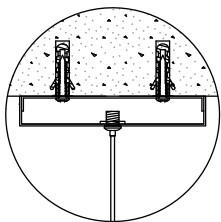
Power feed

SCKC Slim D1.7"*H0.3"



Non Power feed

SCKA-5" Standard Canopy Kits



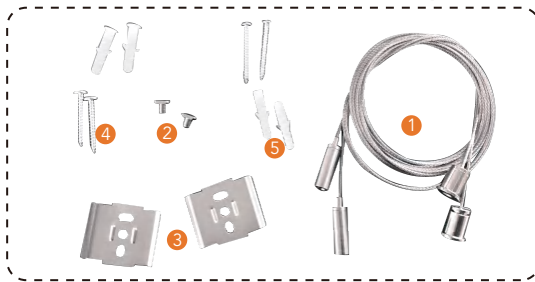
1	Non-power feed round canopy (5 inches)	1PCS	5	Plastic Anchor	1PCS
2	Power feed round canopy (5 inches)	1PCS	6	Screw PA4*30	4PCS
3	U Bracket with Ground	2PCS	7	Screw M4*8	4PCS
4	U Bracket	1PCS	8	Waterproof Connector	1PCS

Dense 198

Pendant, Surface, Wall Mount, Recessed

WISDOM LIGHT

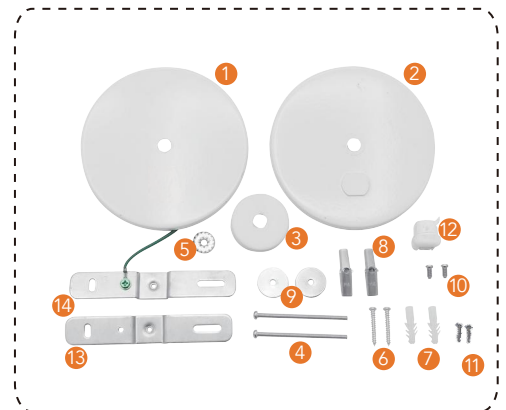
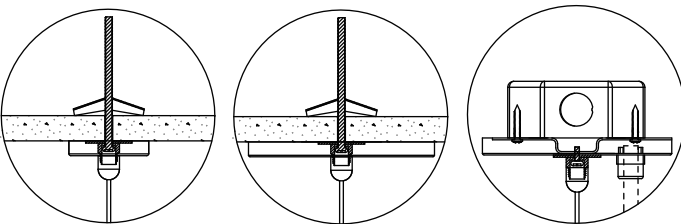
STF-Aircraft Cable Kits-F Type



1	F Type Aircraft cable	2PCS
2	T-shaped screw M5*6	2PCS
3	Bracket	2PCS
4	Screw PA4*30	4PCS
5	Plastic Anchor	4PCS

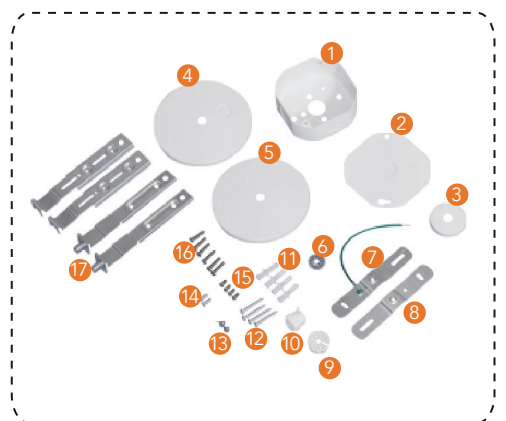
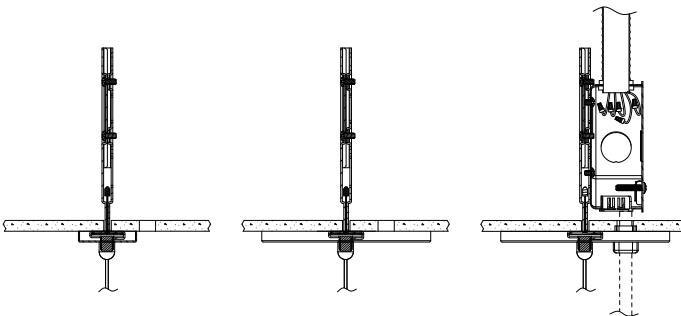
4.2 Drop Ceiling Suspension

SDS-Drywall Canopy 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 Canopy 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			

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

We reserve the right to change specifications.

9/ 11

FILE NAME: Dense 198
Mar 01, 2025

Tel. +86 755 222 16523
Email. sales@wisdomled.net
www.wisdomled.com

Contact us for the latest product information.

Dense 198

Pendant, Surface, Wall Mount, Recessed

WISDOM LIGHT

Accessories

Lit-Pattern Connectors



LLS(L-Shape)

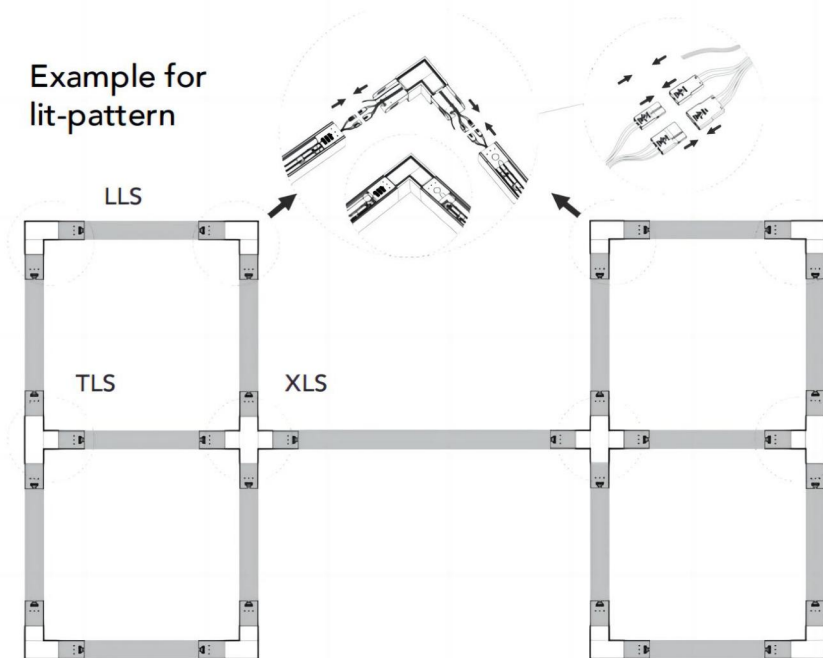


TLS(T-Shape)



XLS(X-Shape)

Example for lit-pattern



Wire accessories



3AC-5C: 5-Cores 300V

3AC-6C: 6-Cores 300V



MAC(Multi-direction harness)

Wire Harness Kit for Multidirectional Power feed.
Used in conjunction with an input power cord,
when the feed location is in center of run.

Emergency Backup



8EM(8W EM) Internal



CBM(Wireless Control Box / Metal)

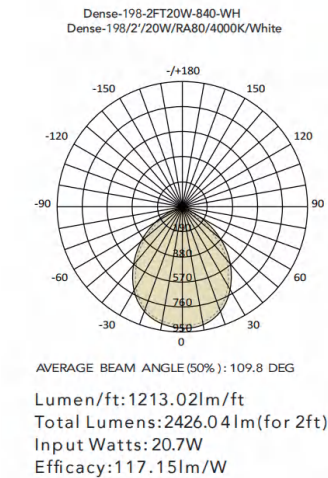
Dense 198

Pendant, Surface, Wall Mount, Recessed

WISDOM LIGHT

Housing & CCT	Lumen output
White & 3000K	115LM/FT, 10W/FT

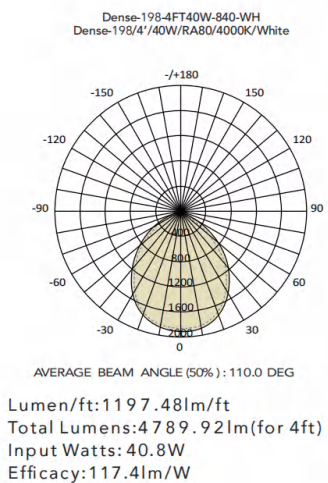
All efficacy is $\pm 5\%$ base on different CCT and housing finish. For other CCT, housing finish please check the IES file to gain the accurate data.



Zonal Flux Diagram					
Y	C0	C45	C90	C135	C180
5	896.1	896.6	900.2	904.8	904.4
10	877.0	879.9	885.8	896.1	894.8
15	850.4	854.0	864.0	878.0	876.7
20	817.0	820.9	834.1	852.1	850.1
25	776.4	782.4	799.7	818.1	815.1
30	729.5	733.7	755.2	777.1	774.7
35	676.3	683.2	704.5	729.0	726.5
40	618.2	625.5	648.0	675.7	672.6
45	552.8	563.0	586.4	616.4	613.5
50	483.9	495.5	521.2	553.1	547.6
55	412.6	424.9	451.7	484.5	478.1
60	339.0	351.1	380.0	413.3	405.6
65	264.6	276.4	306.9	339.7	331.4
70	191.0	201.9	234.0	264.3	255.9
75	120.7	130.6	162.7	190.1	182.0
80	54.59	63.83	94.49	118.9	110.2
85	4.645	9.891	34.56	54.55	44.57
90	0.1436	0.1596	0.1260	4.057	3.511
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens		
Y	Φ zone	Φ total
0-5	21.57	21.57
5-10	63.90	85.47
10-15	103.9	189.3
15-20	140.0	329.3
20-25	171.1	500.4
25-30	196.1	696.5
30-35	214.4	910.9
35-40	225.2	1136
40-45	228.4	1365
45-50	223.7	1588
50-55	211.4	1800
55-60	192.0	1992
60-65	166.5	2158
65-70	136.0	2294
70-75	102.0	2396
75-80	66.78	2463
80-85	32.75	2496
85-90	7.464	2503

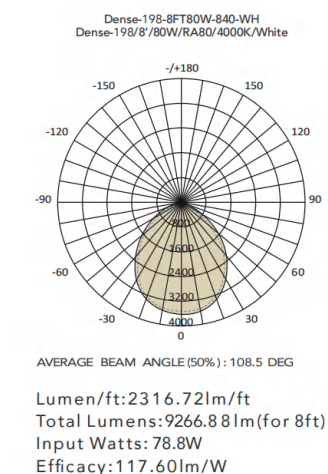
Luminance cd./lm 21		
G(°/DEG)	C0/180	C90/270
85	2128	15880
80	12554	21794
75	18615	25179
70	22302	27404
65	25006	29083
60	27075	30440
55	28726	31543
50	30063	32476
45	31220	33218



Zonal Flux Diagram					
Y	C0	C45	C90	C135	C180
5	1867	1876	1889	1900	1897
10	1823	1841	1868	1889	1882
15	1763	1790	1829	1859	1849
20	1687	1721	1774	1812	1798
25	1597	1638	1701	1747	1730
30	1494	1541	1612	1665	1647
35	1380	1431	1509	1570	1549
40	1252	1309	1393	1460	1441
45	1112	1175	1268	1340	1322
50	966.6	1032	1128	1210	1184
55	816.5	883.5	984.9	1067	1041
60	662.2	728.0	834.2	917.0	891.5
65	505.2	571.6	680.5	763.2	738.1
70	354.3	415.2	525.3	605.0	582.2
75	210.6	266.8	373.3	446.6	428.1
80	77.19	128.1	227.2	294.9	277.9
85	6.719	20.38	91.42	154.8	137.4
90	0.3234	0.2856	0.2692	30.08	19.31
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens		
Y	Φ zone	Φ total
0-5	45.11	45.11
5-10	133.7	178.8
10-15	217.3	396.1
15-20	293.0	689.1
20-25	358.2	1047
25-30	410.7	1458
30-35	448.9	1907
35-40	471.8	2379
40-45	478.5	2857
45-50	468.8	3326
50-55	443.4	3769
55-60	403.7	4173
60-65	351.1	4524
65-70	287.8	4812
70-75	217.5	5030
75-80	144.4	5174
80-85	74.18	5248
85-90	21.81	5270

Luminance cd./lm 21		
G(°/DEG)	C0/180	C90/270
85	2567	34997
80	14801	43655
75	27098	48117
70	34490	51241
65	39807	53718
60	44101	55662
55	47399	57288
50	50071	58556
45	52376	59808



Zonal Flux Diagram					
Y	C0	C45	C90	C135	C180
10	3562	3565	3537	3521	3476
20	3383	3385	3342	3304	3222
30	3068	3081	3022	2964	2852
40	2654	2673	2606	2532	2391
50	2148	2189	2110	2034	1853
60	1589	1643	1573	1474	1282
70	1007	1070	1011	904.7	714.0
80	452.4	512.1	479.1	363.2	177.3
90	22.47	26.29	15.91	8.692	2.478
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens		
Y	Φ zone	Φ total
0-10	339.9	339.9
10-20	968.5	1308
20-30	1454	2762
30-40	1732	4494
40-50	1773	6266
50-60	1577	7844
60-70	1184	9028
70-80	671.8	9700
80-90	164.3	9864

Luminance cd./lm 21		
G(°/DEG)	C0/180	C90/270
85	12894	15625
80	15506	16424
75	16707	17022
70	17528	17590
65	18236	18168
60	18912	18724
55	19426	19163
50	19888	19537
45	20309	19914

