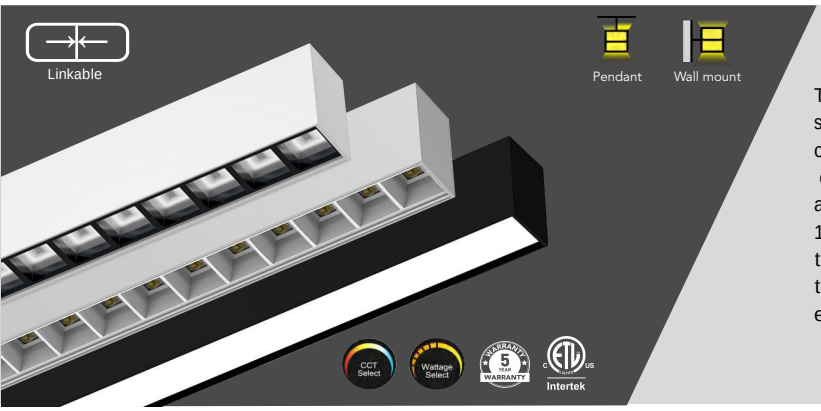
Sense 199

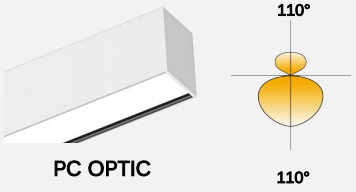
2"FLUSH GEN21 Linear Light

WISDOM LIGHT



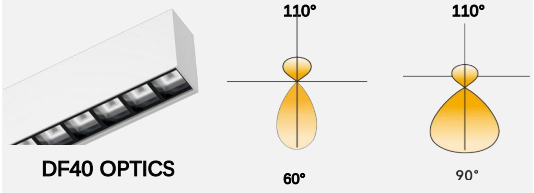
The Sense 199 product line embodies a deliberate, low-glare control system. Its standout feature is the dual-level optical control, providing exceptional visual comfort through both indirect and direct lighting distributions. Offering versatility, it comes in sizes of 2', 4', and 8', and supports continuous runs, boasting a diverse array of independently controllable direct/indirect distribution options. The Sense 199 is a modular design that can quickly replace either the entire lower module or the optical lens of the lower module, making it convenient for customers to reduce their inventory of finished products. The Sense 199 promises to enhance the user experience significantly while maintaining top-notch energy efficiency.

BEAM ANGLES



PC OPTIC

110° Beam Angle : Wide & uniform ambient lighting



DF40 OPTICS

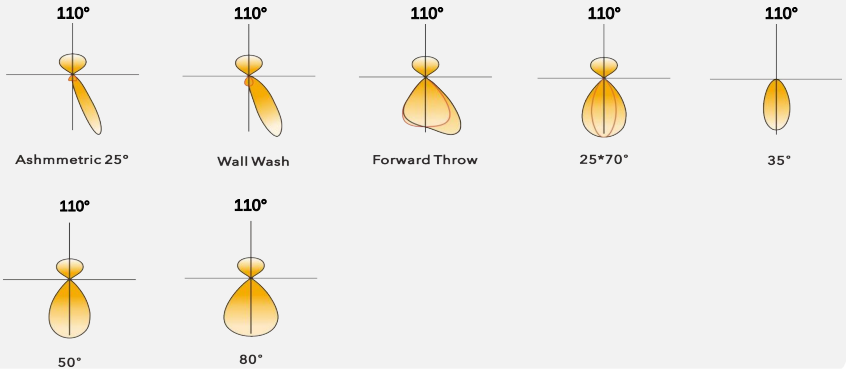
60° Beam Angle : Controlled beam for accent lighting

90° Beam Angle : Balanced output for general lighting



DAISY OPTICS

Asymmetric 25° : Forward-directed beam with reduced spill
Wall Wash : Uniform vertical surface illumination
Forward Throw : Enhanced forward light distribution
25×70° : Elongated beam for linear highlighting
35° : Soft focused light for subtle accents
50° : Balanced beam for flexible applications
80°: Wide distribution for soft ambient lighting



Model	Dimension	Watt select	Lumens	Beam Angles	Nominal Efficacy	CCT Select	Voltage	Dimming	CRI
WL-21LSUD2FT25WED1HV (XXK-XXK-XXK)-XXXX-YY-ZZ	2FT	15W/20W/25W	1725Lm/2300Lm/2875Lm	110° 35° 50° 80° 60° 90° Wall Wash Ashmmetric Forward Throw	115 lm/W	3000K 3500K 4000K	AC120-347V	0-10V (1-100%)	>80
WL-21LSUD4FT50WED1HV (XXK-XXK-XXK)-XXXX-YY-ZZ	4FT	30W/40W/50W	3450Lm/4600Lm/5750Lm						
WL-21LSUD8FT100WED1HV (XXK-XXK-XXK)-XXXX-YY-ZZ	8FT	60W/80W/100W	6900Lm/9200Lm/11500Lm						

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

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Email. sales@wisdomled.net
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Contact us for the latest product information.

Sense 199

2"FLUSH GEN21 Linear Light

WISDOM LIGHT

Order Guide

Sample Model#: Sense 199-WL-21LSUD4FT50WED1HV(30K-35K-40K)060-YY-ZZ

Sense 199	WL-21LSUD									
Luminaire ID	Mode	Length	Wattage	Series	Dimming	Voltage	CCT	Beam angle	Finish	Installation Mode
Sense 199	WL-21LSUD	2FT 4FT 8FT	25W= 15W/20W/25W Select 50W= 20W/30W/40W Select 100W= 60W/80W/100W Select	E= 3 CCT Select, 3 Watt Select, 3 Up & Down Proportion	D1= 0-10V (1%-100%)	HV= 120-347V	(XXK-XXK-XXK)= (30K-35K-40K)= 3000K/3500K/ 4000K CCT Select	XXXX= 035=35° 050=50° 060=60° 080=80° 090=90 110=110° WAL=Wall wash ASY=Asymmetric 25° FRT=Forward Throw	YY= BK=Black WH=White CUS=Custom	ZZ= SP= Suspended air craftcable SC= Suspended Canopy and aircraft cable WM= Wall Mount

Accessories

MOUNTING ACCESSORIES	CANOPY TYPE	PATTERN
STF=Aircraft Cable(F type)	SCKA=D5"XH0.8"Canopy	LLS=L-Shape Connector(Lit-Pattern with Up&Down light)
SDS=DrywallPendant mount	SCKB=D5'XH0.31"Slim Canopy	TLS=T-Shape Connector(Lit-Pattern with Up&Down light)
SCS=Drop ceiling Pendant mount	SCKC=D1.7"×0.31"Slim Canopy	XLS=X-Shape Connector(Lit-Pattern with Up&Down light))
WMB=B-type wall mount	CANOPY FINISH	CLS=120°-Shape Connector(Lit-Pattern with Up&Down light))
CABLE	BC=Black	YLS=Y-Shape Connector(Lit-Pattern with Up&Down light))
73AC-5C=7'5-core 300V Cable	WC=White	OTHER ACCESSORIES
73AC-6C=7'6-core 300V Cable	CUS=Custom	LBKB=Linckble bracket with hook
76AC-5C=7'5-core 600V Cable		MAC=Multi-Directional Power Harness
76AC-6C=7'6-core 600V Cable		CBM=Wireless Control Box /Metal



| 73AC-5C=7'5-core 300V Cable
73AC-6C=7'6-core 300V Cable
76AC-5C=7'5-core 600V Cable
76AC-6C=7'6-core 600V Cable



| CBM(Wireless Control Box /Metal)



| LBKB=Linckble bracket with hook

Sense 199

2"FLUSH GEN21 Linear Light

WISDOM LIGHT

Product Specifications

Construction

- Precision cut housing extruded from 6063 aluminum
- PC end-capsensure 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 Ra≥80, optional Ra≥90;Standard SMCM ≤ 5 or ≤ 7SDCM(Mixed CCT);If SDCM ≤ 3SDCM are available.
- 3-Up&down Proportion select:Up 0%,Down100%/Up 30%, Down 70%/Up 50%,Down 50%
- 3-Watts select

LED Drivers

- Class II UL certified driver
- Traditional electronic drivers are available for AC120- 347V
- 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
- 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 &<1200W at 347V

Lengths

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

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 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 1.3lbs per foot, Weight may vary depending on mounting and additional options selected

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-80

Warranty

- Five years warranty as standard.

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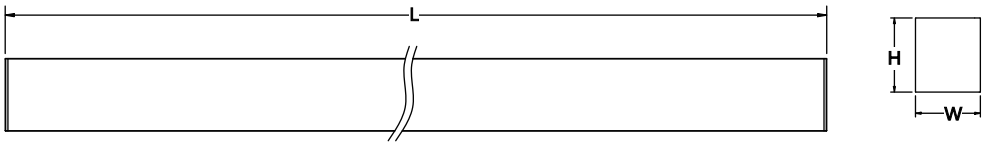
Contact us for the latest product information.

Sense 199

2"FLUSH GEN21 Linear Light

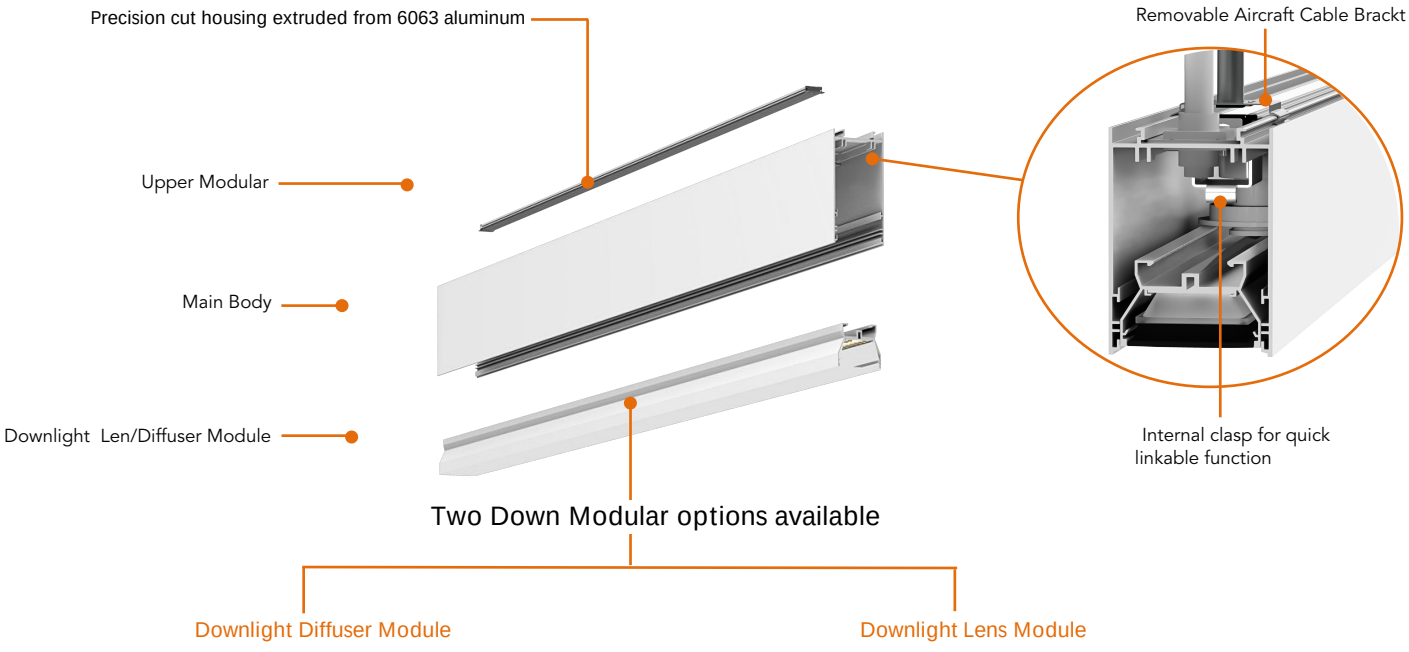
WISDOM LIGHT

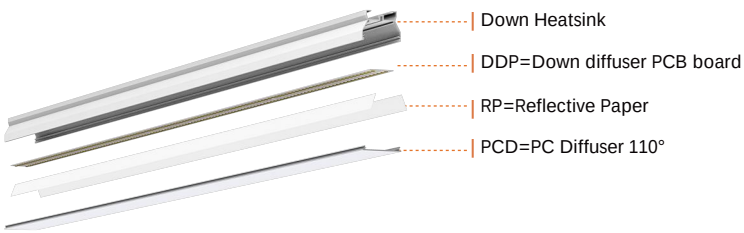
Dimension

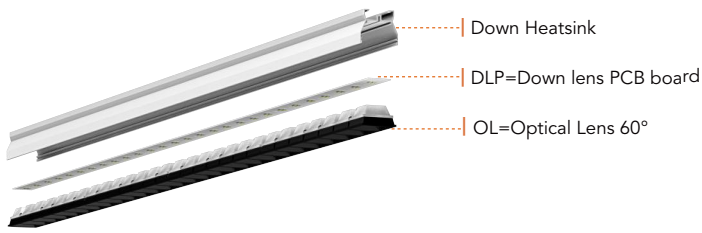


MODEL	L=Length	W=Width	H=Height
WL-21LSUD2FT25WE3D1HV	22.3"(566mm)	2.05"(52mm)	3.35"(85mm)
WL-21LSUD4FT50WE3D1HV	44.3"(1126mm)		
WL-21LSUD8FT100WE3D1HV	88.4"(2246mm)		

Features







The down diffuser modular can be easy modified to down lens modular by changing the down diffser PCB board ,reflective paper, pc diffuser to down lens PCB board, optical lens. And vice versa.

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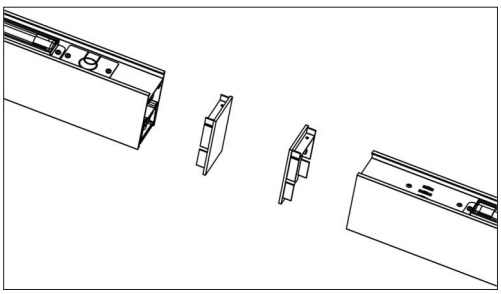
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Sense 199

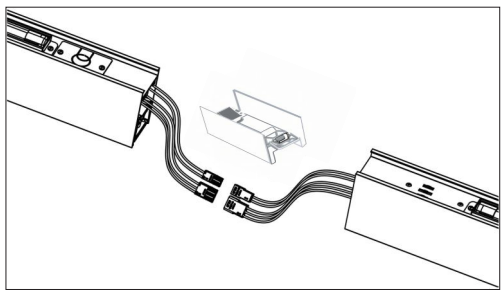
2"FLUSH GEN21 Linear Light

WISDOM LIGHT

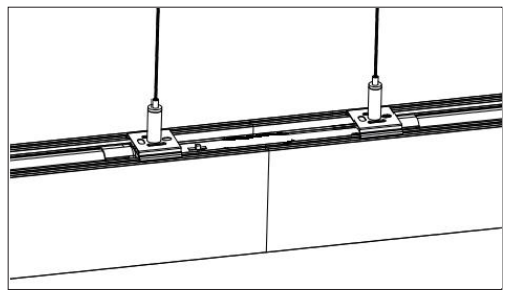
Quick linkable function



Step 1: Remove the end cap of the two fixtures

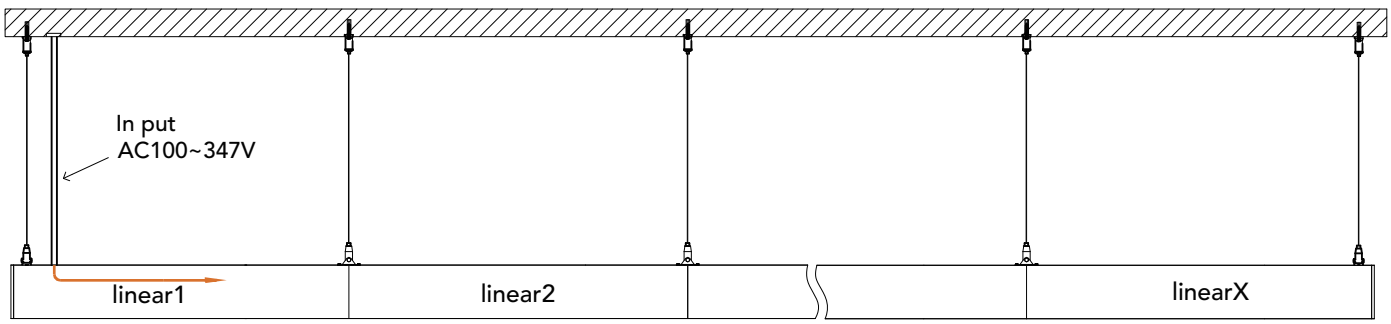


Step 2: Connect wiring viaincluded quick connects, insert linkable bracket,slide the fixtures together by the internal magnets.

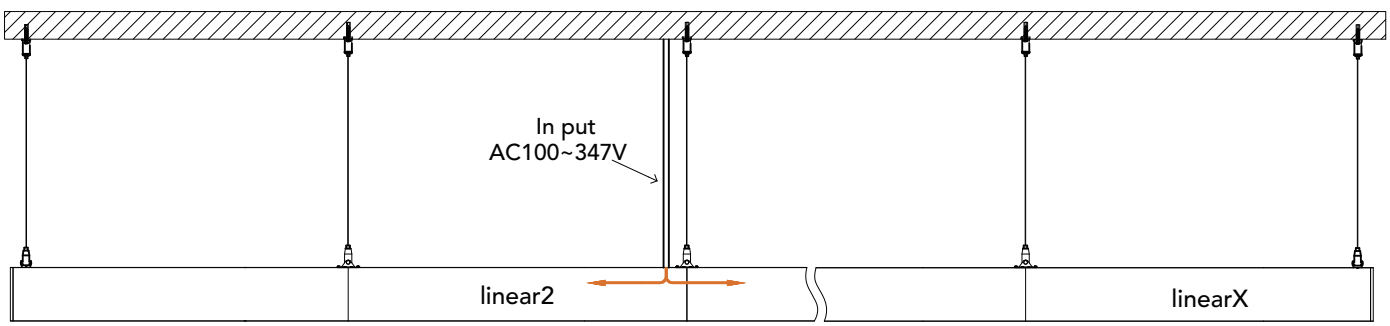


Step 3 : Install the aircraft cable, and adjust to the target position

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 & <1200W at 347V

* For Multi-Direction wiring requires use of accessory MAC



MAC(Multi-direction harmness)

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

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Mounting Options

Pendant

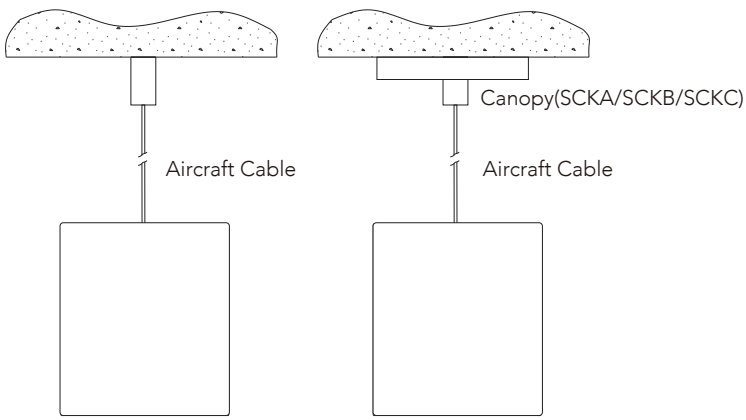


Wall Mount



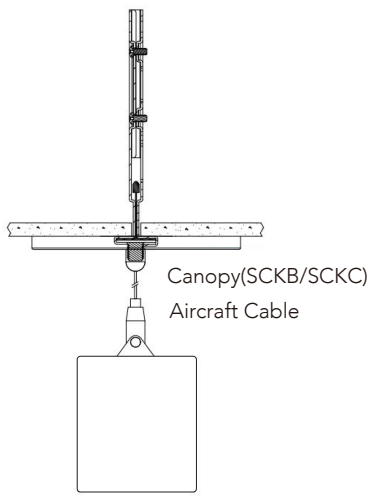
Pendant

1.Dry Ceiling Suspension

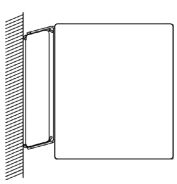


Aircraft Cable　　Aircraft Cable & Canopy

2. Drop Ceiling Suspension



Wallmount



WMB-Wall Mount
Kits B-Type

1.Dry Ceiling Suspension

| Canopy Type Power feed/None Power feed

SCKA D5"*H0.8"



Non Power feed



Power feed

SCKB Slim D5"*H0.3"



Non Power feed



Power feed

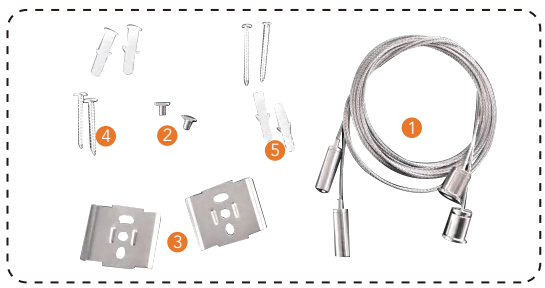
SCKC Slim D1.7"*H0.3"



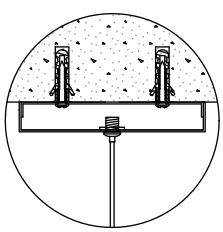
Non Power feed

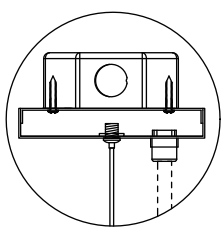
| STF-Aircraft Cable Kits-F Type

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



| SCKA-5'' Standard Canopy Kits









1	Non-power feed round canopy (5 inches)	1PCS	5	Plastic Anchor	1PCS
2	Power feed round canopy (5inches)	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

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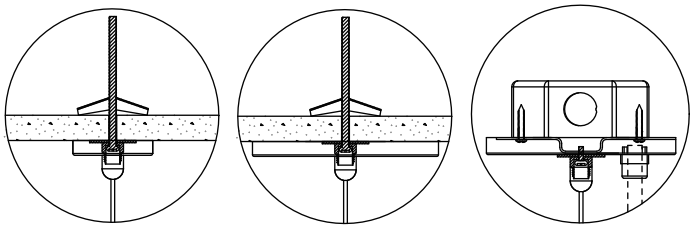
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Sense 199

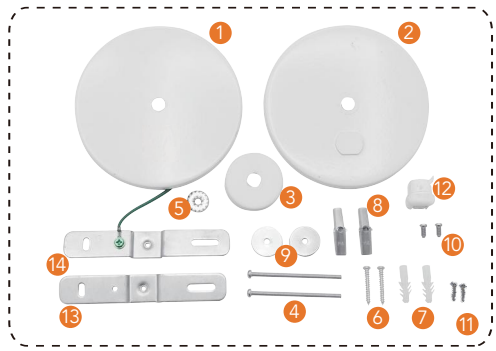
2"FLUSH GEN21 Linear Light

WISDOM LIGHT

| SDS-Drywall Suspension Kits



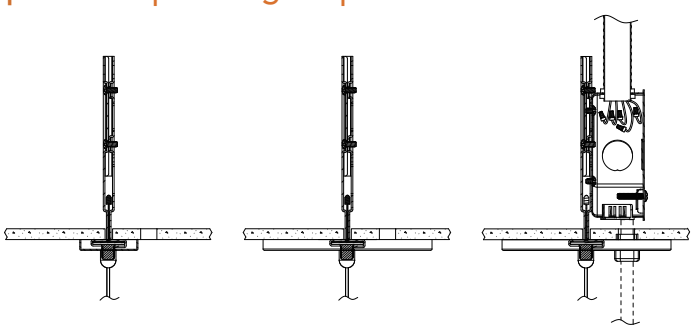




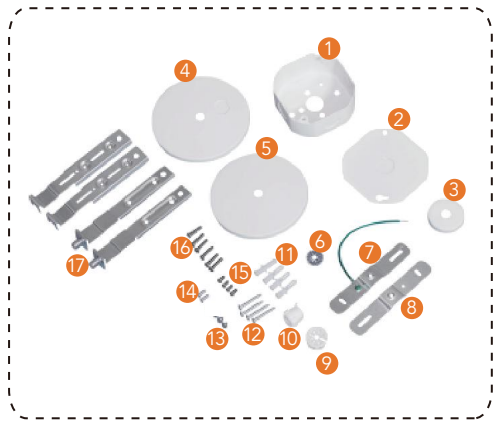
1	5''Slim Canopy (Non-Power feed)	1PCS	4	Screw PM4*70	2PCS	7	Plastic Anchor	4PCS	10	Screw PM4*10	2PCS	13	U Bracket with Ground	1PCS
2	5''Slim Canopy (Power feed)	1PCS	5	Lock Washer	1PCS	8	Butterfly Anchor	2PCS	11	Screw 8#-32*1-3/4	2PCS	14	U Bracket	1PCS
3	1.7''Slim Canopy	1PCS	6	Screw PA4*30	4PCS	9	Flat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

2. Drop Ceiling Suspension

| SCS-Drop Ceiling Suspension Kits



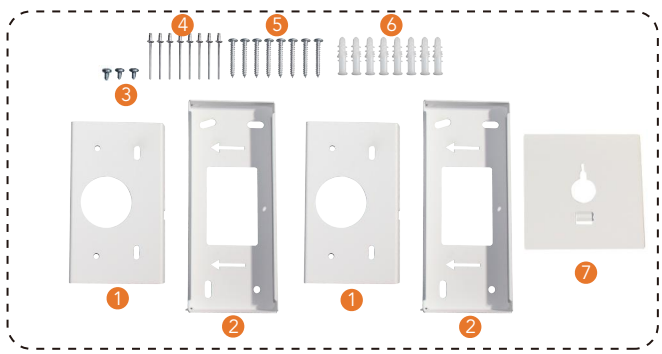




1	4" J-box	1PCS	5	5''Slim Canopy (Power feed)	1PCS	9	Plastic Grommet	1PCS	13	Screw PB4*5	2PCS	17	T-Grid Clips	2 Sets
2	4" J-box Plate	1PCS	6	Lock Washer	1PCS	10	Wire buckle	1PCS	14	Screw PM4*10	2PCS			
3	1.7''Slim Canopy	1PCS	7	U Bracket with Ground	1PCS	11	Plastic Anchor	4PCS	15	Screw PM4*8	4PCS			
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			

| 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			

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Sense 199

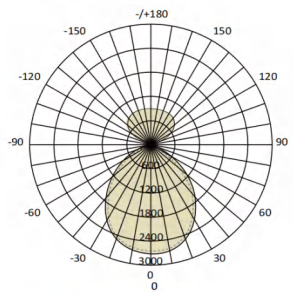
2"FLUSH GEN21 Linear Light

WISDOM LIGHT

Housing & CCT	Lumen output		
	UP 0% Down 100%	UP 30% Down 70%	UP 50% Down 50%
White & 3000K	1438LM/FT,12.5W/FT	1480LM/FT,12.5W/FT	1460LM/FT,12.5W/FT

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

Sense-199-2FT25W-840-WH30
Sense-199'2'/25W/RA80/4000K/White/Up30%,Down 70%



AVERAGE BEAM ANGLE (50%) : 107.3 DEG

Lumen/ft:1449.20lm/ft
Total Lumens:2898.41lm(for 2ft)
Input Watts: 25.4W
Efficacy:114.11lm/W

Zonal Flux Diagram

Y	C0	C45	C90	C135	C180
10	718.3	715.3	709.9	710.0	709.1
20	676.7	671.1	659.5	658.6	659.7
30	609.2	602.2	584.8	585.0	586.3
40	522.3	512.3	492.6	491.6	494.6
50	417.4	409.8	387.6	386.7	386.4
60	303.8	297.3	277.1	272.7	271.2
70	188.3	182.6	166.2	159.8	155.6
80	77.04	74.67	63.01	55.43	46.87
90	8.363	10.04	1.878	2.427	0.8131
DEG	LUMINOUS INTENSITY:cd				

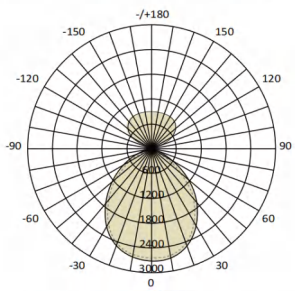
Zonal Lumens

Y	Φ zone	Φ total
0-10	69.06	69.06
10-20	196.6	265.6
20-30	294.4	560.0
30-40	349.5	909.5
40-50	356.3	1266
50-60	315.2	1581
60-70	235.0	1816
70-80	131.2	1947
80-90	31.00	1978

Luminance cd.lm 21

G(DEG)	C0/180	C90/270
85	5053	3369
80	7042	5760
75	8062	6890
70	8739	7712
65	9255	8324
60	9645	8797
55	9983	9201
50	10308	9572
45	10614	9913

Sense-199-4FT50W-840-WH-30
Sense-199'4'/50W/RA80/4000K/White/-Up30%,Down 70%



AVERAGE BEAM ANGLE (50%) : 107.4 DEG

Lumen/ft:1467.75lm/ft
Total Lumens:5871.02lm(for 4ft)
Input Watts: 50.3W
Efficacy:116.72lm/W

Zonal Flux Diagram

Y	C0	C45	C90	C135	C180
5	1645	1607	1586	1588	1618
10	1631	1565	1531	1528	1579
15	1601	1513	1476	1462	1526
20	1555	1456	1421	1389	1448
25	1494	1392	1366	1297	1332
30	1417	1323	1312	1190	1238
35	1330	1249	1257	1095	1140
40	1231	1173	1202	1010	1031
45	1123	1095	1147	929.1	914.4
50	1003	1017	1025	846.9	793.4
55	878.0	936.1	902.9	764.7	668.7
60	748.2	799.4	780.9	639.9	541.9
65	616.3	665.0	658.9	520.8	415.6
70	481.4	534.7	536.8	406.8	291.7
75	350.4	408.4	414.8	297.3	172.9
80	223.7	285.3	292.8	193.4	60.06
85	103.6	165.2	170.8	95.40	4.962
90	9.906	46.94	48.73	0.8755	9.814
DEG	LUMINOUS INTENSITY:cd				

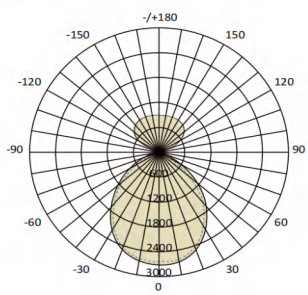
Zonal Lumens

Y	Φ zone	Φ total
0-5	38.58	38.58
5-10	112.4	151.0
10-15	180.0	331.0
15-20	239.8	570.8
20-25	289.8	860.6
25-30	329.4	1190
30-35	359.3	1549
35-40	379.2	1928
40-45	389.1	2318
45-50	386.8	2704
50-55	368.9	3073
55-60	338.7	3412
60-65	298.5	3710
65-70	250.8	3961
70-75	198.3	4160
75-80	143.4	4303
80-85	88.68	4392
85-90	36.46	4428

Luminance cd.lm 21

G(DEG)	C0/180	C90/270
85	15239	25118
80	16519	21616
75	17355	20548
70	18046	20123
65	18696	19988
60	19185	20023
55	19624	20182
50	20012	20443
45	20354	20796

Sense-199-8FT100W-840-WH-30
Sense-199'8'/100W/RA80/4000K/White/-Up30%,Down 70%



AVERAGE BEAM ANGLE (50%) : 108.6 DEG

Lumen/ft:1466.04lm/ft
Total Lumens:11728.32lm(for 8ft)
Input Watts: 99.3W
Efcacy:118.11lm/W

Zonal Flux Diagram

Y	C0	C45	C90	C135	C180
10	3236	3246	3245	3246	3212
20	3046	3063	3069	3059	2997
30	2741	2772	2772	2763	2678
40	2347	2387	2392	2379	2274
50	1874	1938	1939	1928	1792
60	1353	1432	1449	1422	1273
70	824.3	907.9	934.4	900.0	749.1
80	323.9	405.4	445.4	399.6	248.9
90	10.14	18.71	20.00	16.98	3.873
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

Y	Φ zone	Φ total
0-10	244.3	244.3
10-20	695.8	940.1
20-30	1044	1985
30-40	1244	3229
40-50	1274	4502
50-60	1134	5636
60-70	851.7	6488
70-80	484.2	6972
80-90	115.6	7087

Luminance cd.lm 21

G(DEG)	C0/180	C90/270
85	311.4	311.4
80	887.2	1199
75	1331	2530
70	1586	4116
65	1624	5740
60	1446	7186
55	1086	8272
50	617.7	8889
45	147.9	9037

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

Contact us for the latest product information.

NOTES