

Sense 375

Suspending, Wall mount

WISDOM LIGHT



Spotless Diffuser



Prismatic diffuser



Batwing film

CCT
SELECT



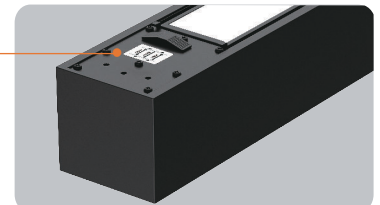
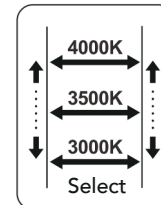
The Sense product line embodies a deliberate, low-glare control system. Its standout feature is the dual-level optical control, providing exceptional visual comfort through both indirect and direct lighting distributions, complete with a built-in programmer. Offering versatility, it comes in sizes of 2', 4', 8', and support continuous runs, boasting a diverse array of independently controllable direct/indirect distribution options.

Sense 375 promises to enhance user experience significantly while maintaining top-notch energy efficiency.

Sense 375	Length	Wattage	Max Output Lumen Up 30% Down 70%	Nominal Efficacy	CCT Select	Input Voltage	Dimmable	CRI
WL-8LSUD2FT25WBD1HV	2'	25W	3000lm	120lm/W	3000K 3500K 4000K	AC120-347V	(1%-100%) 0-10V	Ra>80
WL-8LSUD4FT50WBD1HV	4'	50W	6000lm					
WL-8LSUD8FT100WBD1HV	8'	100W	12000lm					

Order Guide

Sample Model#: Sense 375-WL-8LSUD4FT50WBD1HV(30K-35K-40K)-BK-SF



Sense 375	WL-8LSUD								
Luminaire ID	Series	Length	Wattage	Dip-Switch	Dimming	Voltage	CCT(SDCM<5)	Finish	Installation mode
Sense 375 = 3.75" width	WL-8LSUD = Gen8 Linear Series Up & Down Light	2FT 4FT 8FT	25W 50W 100W	B=3CCT Select	D1=1% 0-10V POE = PoE Compatible DA = DALI i2	HV=120-347V LV=48V	(30K-35K-40K) = 3000K/3500K/4000K 3 CCT Select (30K-40K-50K) = 3000K/4000K/5000K 3 CCT Select	BK = Black WH = White SA = Silver CUS = Custom	SP= Suspended air craft cable SC=Suspended Canopy and aircraft cable SM=Surface Mount
Additional Function									
Blank=NON		[EM]=Emergency Driver		[MS]= Microwave sensor		[PIR]=Infrared sensor		[EM,MS]= Emergency Driver +Infrared sensor	
								EM,PIR= Emergency Driver +Infrared sensor	

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

We reserve the right to change specifications.

1/9

FILE NAME: Sense 375
Jan 20, 2024

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www.wisdomled.com

Contact us for the latest product information.

Sense 375

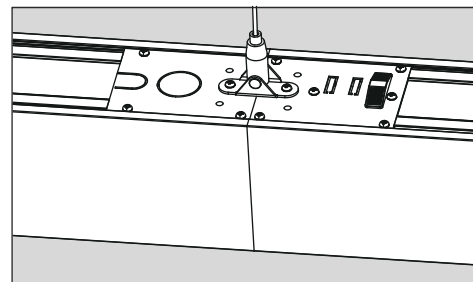
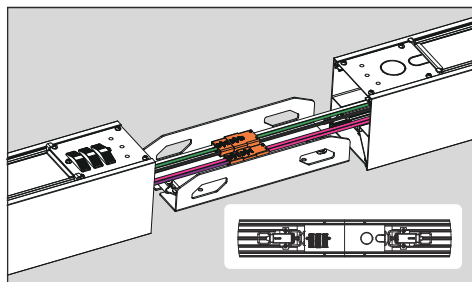
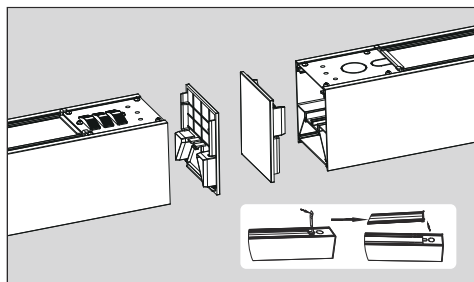
Suspendant, Wall mount

WISDOM LIGHT

Accessories

LENS	Mounting Accessories	Canopy Type	Canopy Finish	Other Accessories
PCD = PC Diffuser(Standard)	STA=Aircraft Rope(A type)	SCKA = 5" Standard Canopy	BC = Black Canopy	LBKB = Metal Splice
BVF = UGR<22 FILM(with transpant PC)	STB=Aircraft Rope(B type)	SCKB = 5" Slim Canopy	WC = White Canopy	73AC-5C = 7' 5-Core 300V Cable
BVB = Batwing Film for down (with transpant PC)	SDS=Drywall Pendant mount	SCKC = 1.7" Slim Canopy	SC = Sliver Canopy	76AC-5C = 7' 5-Core 600V Cable
BLU = Batwing lens for UP	SCS=Drop ceiling Pendant mount			73AC-6C = 7' 6-Core 300V Cable
	NPT=NPT stem Pendant			76AC-6C = 7' 6-Core 600V Cable
	WMB=B-type wall mount			LBK = Internal Linkable Cable Kits
				8EM = 8W Internal EM
				UC=Upper Metal Cover

Quick linkable function

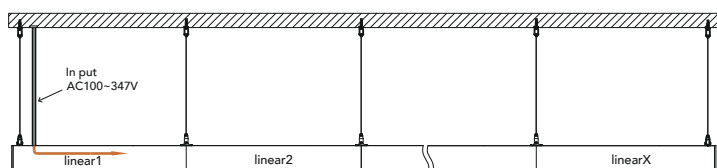


Step 1. Remove the end caps and open the upper metal cover with tool

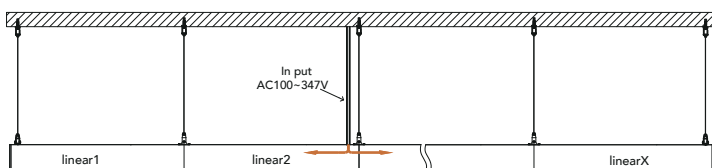
Step 2. Insert splicing bracket, Connect wiring via male/female quick connects, Slide lamp together, and fasten bracket with included buckles

Step 3. Screw on aircraft cable (Fixed aircraft cable bridged across the fixture seam is recommended)

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

LBKB(Link Bracket with Hook)

*For Multi-Direction wiring requires use of accessory MAC



Sense 375

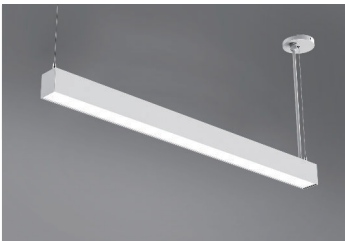
Suspended, Wall Mount

Mounting Options

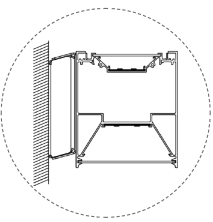
| Wall Mount



| Pendant

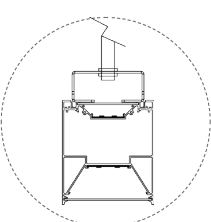


| Wallmount

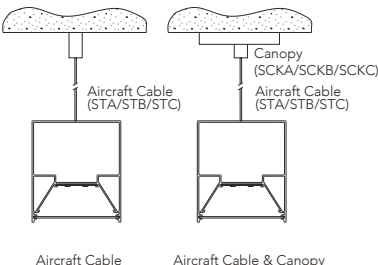


1. WMB-Wall Mount Kits B-Type

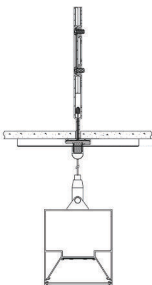
| Pendant



2.1 NPT Stem Suspension

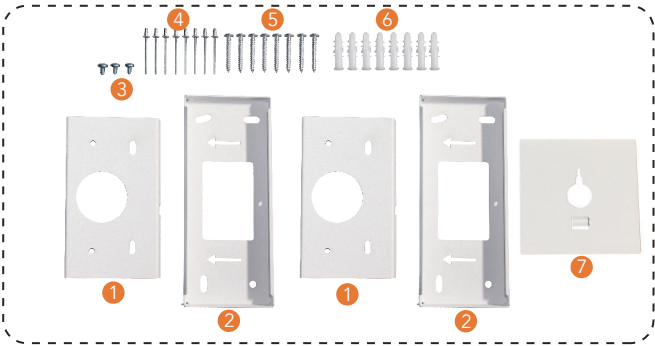
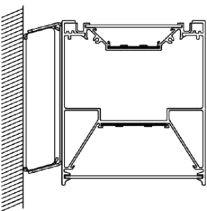


2.2 Dry ceiling Suspension



2.3 Drop ceiling Suspension

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			

Sense 375

Suspended, Wall Mount

WISDOM LIGHT

2.1 NPT-1/2''& 3/4 NPT Pendant Hanger Kits



1	3/4" Pendant Fixed Bracket	2PCS
2	1/2" Pendant Fixed Bracket	2PCS
3	Screw PM4*8	8PCS

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

2.2 | STA-Aircraft Cable Kits-A Type

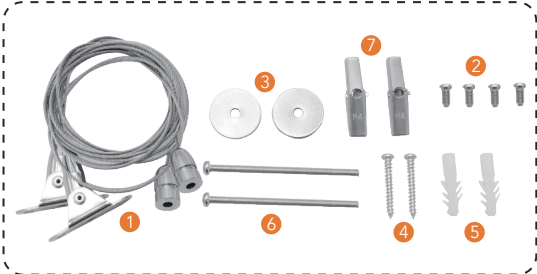


1	A Type Aircraft Cable	2PCS	3	Plastic Anchor	2PCS
2	Screw BA4*30	2PCS	4	Screw PM4*8	4PCS

Reference Table for Aircraft Cable, Canopy, and Housing

	SCKA	SCKB	SCKC
STA	V	V	X
STB	V	V	V

| STB-Aircraft Cable Kits-B Type



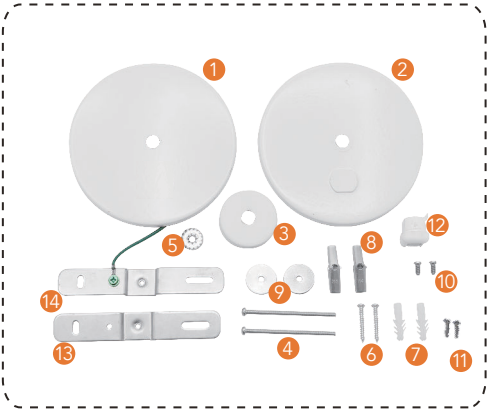
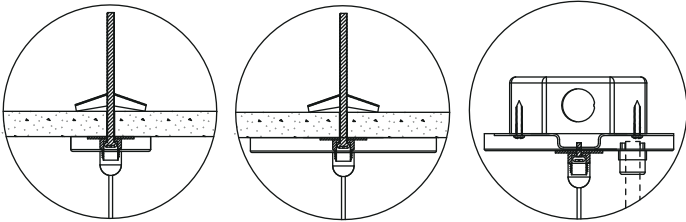
1	B Type Aircraft Cable	2PCS
2	Screw PM4*8	4PCS
3	Flat Washer	2PCS
4	Screw PA4*30	2PCS
5	Plastic Anchor	2PCS
6	Screw PM4*70	2PCS
7	Butterfly Anchor	2PCS

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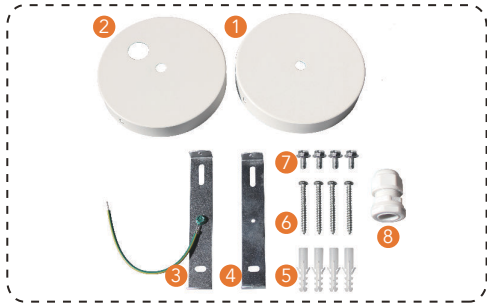
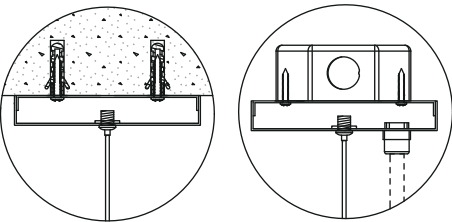
WISDOM LIGHT

SDS-Drywall Suspension Kits



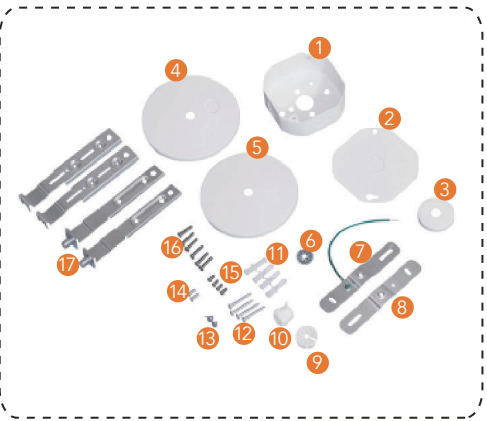
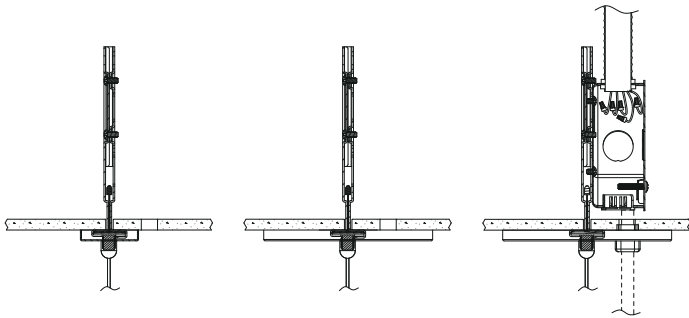
1	5" Slim Canopy (Non-Power feed)	1PCS	4	Screw PM4*70	2PCS	7	Plastic Anchor	4PCS	10	Screw PM4*10	2PCS	13	U Bracket with Ground	1PCS
2	5" Slim Canopy (Power feed)	1PCS	5	Lock Washer	1PCS	8	Butterfly Anchor	2PCS	11	Screw 8#-32*1-3/4	2PCS	14	U Bracket	1PCS
3	1.7" Slim Canopy	1PCS	6	Screw PA4*30	4PCS	9	Flat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

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

2.3 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			

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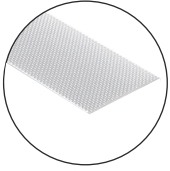
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Sense 375

Suspended, Wall Mount

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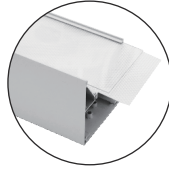
Lens & Diffusers



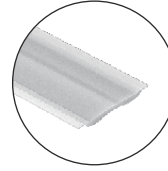
(1) PPC=Prismatic
PC Diffuser



(2) BVF=UGR < 22 Film



(3) BVB = Batwing Film
for down light



(4) BDO=(Upper Batwing Optic)
(New PCB board) L=Any

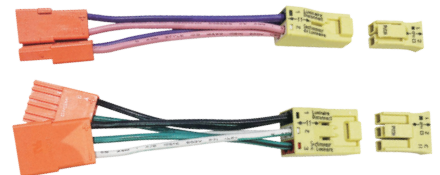
Wire accessories



3AC-5C: 5-Cores 300V
3AC-6C: 6-Cores 300V
6AC-5C: 5-Cores 600V
6AC-6C: 6-Cores 600V



LBK=Internal Linkable
cable kits



MAC(Multi-direction harness)
Wire Harness Kit for Mulidirectional 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



MCD=Mesh control Driver

BM (Bluetooth+ PIR Sensor+Daylight)
Bluetooth mesh control for Lanl system
It Must work with CBM box

CBM(Wireless Control Box /Metal)

Sense 375

Suspendant, Wallmount

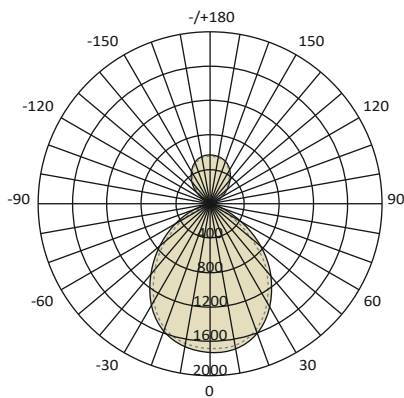
WISDOM LIGHT

Performance

Lens	Lumen output
	UP 30% Down 70%
Up & Down PC Diffuser	1530LM/FT,12.5W/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

Sense 375-4FT50W-840-BK-110
Sense 375/4'/50W/RA80/3000K/Black/Beam angle 110°
Up30%,Down 70%



AVERAGE BEAM ANGLE (50%): 104.8 DEG

Lumen/ft:1478.68lm/ft

Total Lumens:5914.73lm(for 4ft)

Input Watts: 50.0W

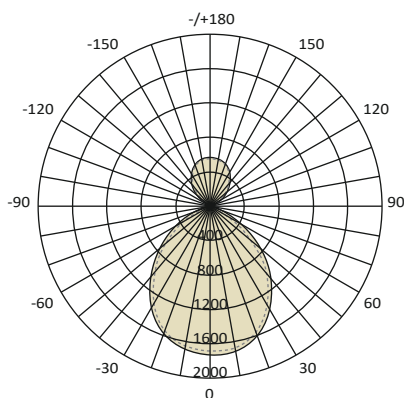
Efcacy:120.71lm/W

Zonal Flux Diagram					
Y	C0	C45	C90	C135	C180
10	1677	1663	1648	1649	1660
20	1566	1547	1525	1519	1533
30	1392	1372	1343	1336	1350
40	1175	1154	1121	1113	1127
50	926.3	909.3	874.3	866.3	876.1
60	667.8	649.5	612.9	603.1	613.5
70	415.7	394.0	355.9	345.4	355.4
80	176.3	157.0	126.8	112.1	119.0
90	1.686	7.661	3.850	3.055	0.8860
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens		
Y	Φ zone	Φ total
0-10	160.9	160.9
10-20	456.1	617.0
20-30	677.6	1295
30-40	796.9	2092
40-50	803.5	2895
50-60	704.3	3599
60-70	520.9	4120
70-80	292.1	4412
80-90	69.29	4482

Luminance cd.lm 21		
G(DEG)	C0/180	C90/270
85	4620	2719
80	7049	5071
75	7912	6314
70	8440	7225
65	8889	7936
60	9275	8512
55	9655	9017
50	10007	9445
45	10358	9817

Sense 375-4FT50W-840-BK-110
Sense 375/4'/50W/RA80/3500K/Black/Beam angle 110°
Up30%,Down 70%



AVERAGE BEAM ANGLE (50%): 104.8 DEG

Lumen/ft:1474.49lm/ft

Total Lumens:5897.97lm(for 4ft)

Input Watts: 50.0W

Efcacy:123.65lm/W

Zonal Flux Diagram					
Y	C0	C45	C90	C135	C180
10	1699	1688	1677	1678	1681
20	1589	1572	1551	1548	1551
30	1414	1394	1368	1362	1366
40	1193	1173	1144	1135	1139
50	941.5	925.8	891.7	883.6	884.3
60	680.8	662.1	625.7	615.7	617.4
70	425.0	401.7	363.7	352.4	357.0
80	180.7	160.4	129.9	114.0	117.9
90	1.640	7.272	3.729	3.002	0.8836
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens		
Y	Φ zone	Φ total
0-10	163.4	163.4
10-20	463.1	626.5
20-30	688.0	1314
30-40	809.2	2124
40-50	815.9	2940
50-60	715.5	3655
60-70	529.1	4184
70-80	296.6	4481
80-90	70.26	4551

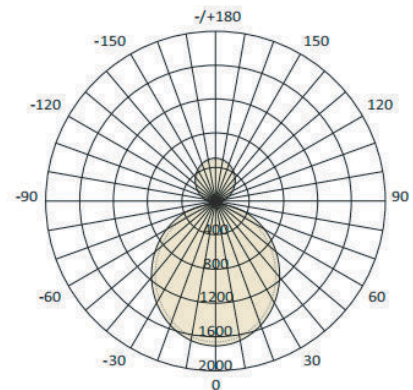
Luminance cd.lm 21		
G(DEG)	C0/180	C90/270
85	4874	2819
80	7227	5193
75	8093	6463
70	8629	7385
65	9054	8103
60	9456	8691
55	9839	9214
50	10171	9634
45	10518	10028

Sense 375

Suspending, Wallmount



Sense 375-4FT50W-840-BK-110
Sense 375/4'/50W/RA80/4000K/Black/Beam angle 110°
Up30%,Down 70%



AVERAGE BEAM ANGLE (50%): 104.8 DEG

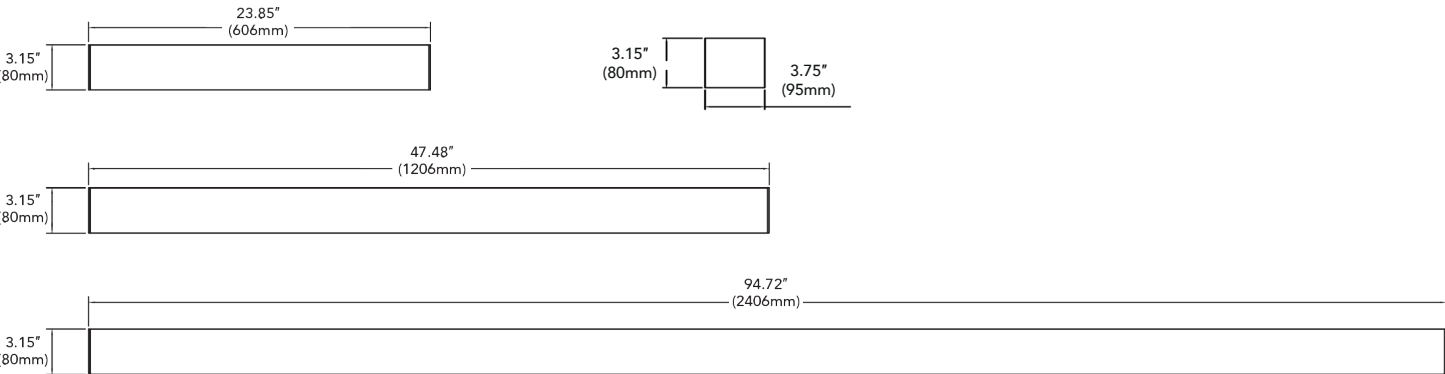
Lumen/ft:1478.68lm/ft
Total Lumens:5914.73lm(for 4ft)
Input Watts: 50W
Efficacy:120.71lm/W

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DEG	LUMINOUS INTENSITY:cd				

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Luminance cd./lm 21		
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65	8889	7936
60	9275	8512
55	9655	9017
50	10007	9445
45	10358	9817

Dimension



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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 coat paint

Light Engine

- Standard 3 CCT Selectable options, 3000K/3500K/4000K
- CRI ≥80CRI or 90CRI
- 3 UP & DOWN PROPORTION
- Up 0%,Down100%/Up 30%,Down 70%/Up 50%,Down 50%

LED Drivers

- Class II UL certified driver
- Traditional electronic drivers are available for 120- 277V and 120-347V

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) at an additional cost

Mounting

- Suspended
- 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

- Available in 2FT,4FT, 8FT length
- Additional fixture lengths are 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 T's, Y's, X's, etc. are also available

Lumen Maintenance

- 90% (L90) of initial light output at 61,000+ hrs
- 70% (L70) of initial light output at 237,000+ hrs
- Derived from TM-21 standard @25°C for worst case operating conditions

Electrical

- Dimming provided as standard
- Dimming wires capped with wire-nuts for nondimming applications
- Optional battery backup options provided
- Default battery location is internal to fixture
- Default emergency section is 4ft in length and located at the beginning of the fixture unless designated elsewhere
- Estimated lumen output = battery wattage*min efficacy (see performance table)
- 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 1.8 lbs 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
- DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details and listed configurations.



Warranty

Five year warranty standard. Optional ten year warranty available