KLE1011

CIP LIGHTING

Linear LED Lighting for Hazardous Locations

- Class I, Division 2, Groups A, B, C & D
- Class II, Division 2, Groups F & G
- Class III
- UL 844 Hazardous Locations
- UL 1598 Wet Locations
- UL 8750 LED Safety
- CSA C22.2 No. 250.0-08
- CSA C22.2 No. 137-M1981
- -40℉(-40℃) to 131℉(55℃) Ambient Temperature
- IP66
- DLC Listed
- CNEX
- ATEX
- CE&RoHS
- IK10

Charlotte International Partners Inc. 1740 First Baxter Crossing, Fort Mill SC 29708 USA
info@ciplighting.com 1-803-396-1439 www.ciplighting.com

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Key Features:

1. Low-profile, lightweight design, high quality aluminum housing
2. Impact resistant clear lens with Bayer original material
3. Stainless steel bracket for ceiling mount
4. Professional light distribution, uniform illumination through the entire space
5. With single-ended feedthrough or double-ended feedthrough optional

Additional Features:

- Standard 4KV surge protection
- Feed-through capable
- Enclosures attached to back brackets for pendant pole mount, pendant chain mount and 45 degree wall mount.
- Diffused lens option
- 5-year warranty

Standard Materials:

- Body:6063 aluminum (less than 0.4% copper content) with grey-painted or yellow-painted finish options.
- Side cover:ADC12
- Gaskets: one-piece neoprene
- Brackets: stainless steel
- Lens: polycarbonate

Features & Benefits:

1. Environmentally Friendly 50,000 hrs lifetime
2. Superior color rendering index compared to HPS, LPS or MV
3. Low temperature applications to -40℉ (-40℃) and high temperature up to 131℉(55℃)
4. Best-in-class efficacy-Up to 140 lumens per watt
5. Professional light distribution design, uniform and comfortable lighting
6. Temperature compensation technology for longer life
7. Low maintenance costs and power consumption reduced by over 50%

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Catalog Number Logic

KLE1011 - U - 36 - C - 2 - 50 - XX

1 2 3 4 5 6 7

1 BASIC SERIES

2 VOLTAGE/FREQUENCY
U=90-305V 50/60Hz

3 LAMP WATTAGE
36=36 Watt
56=56 Watt

4 LENS
C=Clear
D=Diffused

5 NORMAL FIXTURE LENGTH
2=2 Feet
4=4 Feet

6 CCT
50=5000K CCT(recommend)
40=4000K CCT
30=3000K CCT

7 OPTIONS
PP= Pendant Pole Mount
PC=Pendant Chain Mount
CA=Ceiling Mount A
CB=Ceiling Mount B
WA=Wall Mount A
WB=Wall Mount B
BC=Beam Clamp Mount
PM=Pole Mount

Model:KLE1011

Ex II 2 G Ex emb IIC T6 Gb

Ex II 2 D Ex tb IIIC T80℃ Db IP66

-40℉ (-40℃) <Ta<131℉(55℃), IP66

Mounting Hardware not include. Please see options for mounting selections.

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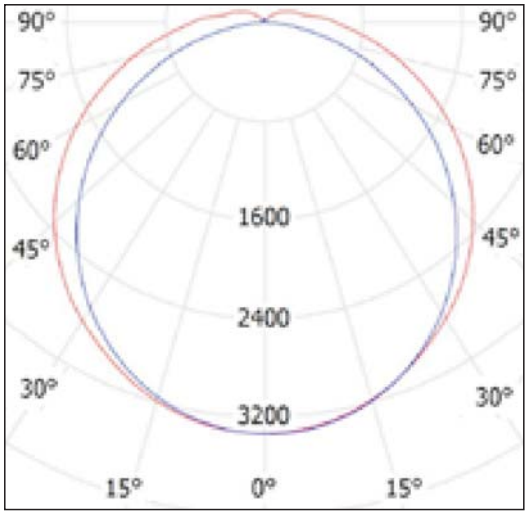
Certification Guide

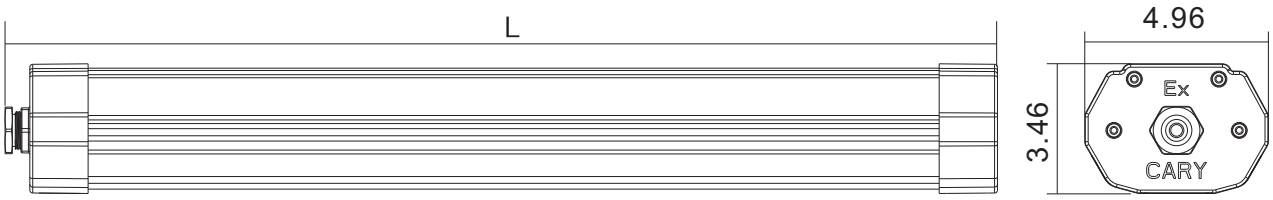
Model	Length	Wattage	Operating Voltage	Total Lumens	Lumen per Watt	CRI	CCT *	Comparable Flourescent Luminaire	Ambient Temperature	Class I, Div. 2, Group A,B,C&D	Class II, Div. 2, Group F & G Class III	Simultaneous Presence	Supply Wire Suitable Temperature
KLE1011U36C2	2 ft	36W	90-305V 50/60Hz	4572	127	75	5021	2X24W T5H0/2X35W TI2H0	-40℉<Tamb<131℉/ -40℃<Tamb<55℃	T6	T6	T6	80℃
KLE1011U36C4	4 ft	36W	90-305V 50/60Hz	5040	140	75	5060	2X24W T5H0/2X35W TI2H0	-40℉<Tamb<131℉/ -40℃<Tamb<55℃	T6	T6	T6	80℃
KLE1011U56C4	4 ft	56W	90-305V 50/60Hz	7392	132	74	5023	2X54W T5H0/2X60W TI2H0	-40℉<Tamb<131℉/ -40℃<Tamb<55℃	T6	T6	T6	80℃
KLE1011U36D2	2 ft	36W	90-305V 50/60Hz	3456	96	75	5026	2X24W T5H0/2X35W TI2H0	-40℉<Tamb<131℉/ -40℃<Tamb<55℃	T6	T6	T6	80℃
KLE1011U36D4	4 ft	36W	90-305V 50/60Hz	3888	108	74	5005	2X24W T5H0/2X35W TI2H0	-40℉<Tamb<131℉/ -40℃<Tamb<55℃	T6	T6	T6	80℃
KLE1011U56D4	4 ft	56W	90-305V 50/60Hz	5824	104	75	5028	2X54W T5H0/2X60W TI2H0	-40℉<Tamb<131℉/ -40℃<Tamb<55℃	T6	T6	T6	80℃

* All values typical unless otherwise stated (tolerance +/- 10%)

Photometric Data



Fixture Dimensions(inches)



KLE1011 Series	Dimensions(inches)	Net Weight(lbs.)	Boxed Weight(lbs.)	Shipping Volume(cu. ft.)
2 ft. models	L=26.8	9.48	10.14	0.84
4 ft. models	L=50.4	16.3	17.64	1.53

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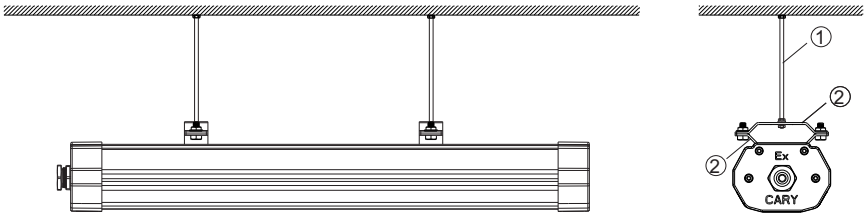
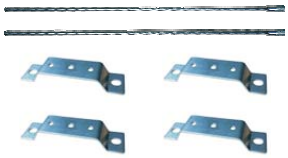
Accessories

Pendant Pole Mount

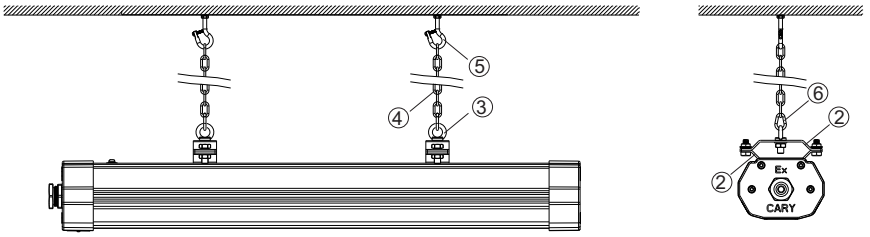




Pendant Pole Mount
Catalog Number:1011001
Qty: 1 kit
Shipping Weight: 1.4 lbs/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering	Part Qty.	Material	Weight(lbs/pcs)
Pendant Pole Mount	1011001	①	M8 Screw Pole(L=500MM)	1011009	2	SUS304	0.44
		②	Bracket	1011008	4	SUS304	0.13

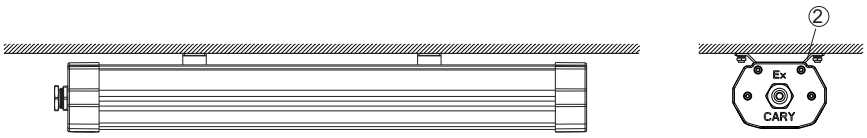
Pendant Chain Mount



Pendant Chain Mount
Catalog Number:1011002
Qty: 1 kit
Shipping Weight: 1.44 lbs/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering Code	Part Qty.	Material	Weight(lbs/pcs)
Pendant Chain Mount	1011002	②	Bracket	1011008	4	SUS304	0.13
		③	Lifting Bolt	1011010	2	SUS304	0.07
		④	Pendant Chain	1011011	2	SUS304	0.22
		⑤	Expansion Hook	1011012	2	SUS304	0.13
		⑥	Hanging buckle	1011013	2	SUS304	0.04

Ceiling Mount A



Ceiling Mount A
Catalog Number:1011003
Qty: 1 kit
Shipping Weight: 0.26 lbs/kit

Mounting Type	Ordering Code	Part SN	Part Name	Ordering Code	Part Qty.	Material	Weight(lbs)
Ceiling Mount A	1011003	②	Bracket	1011008	2	SUS304	0.13

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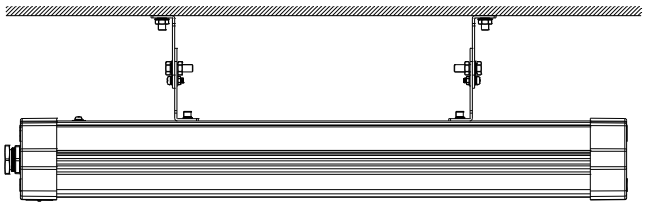
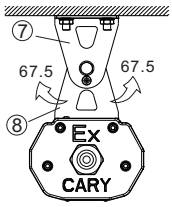
Ceiling Mount B (adjustable angles)

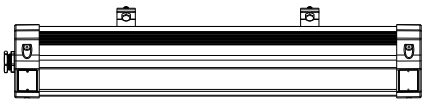


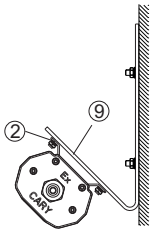


Ceiling Mount B
Catalog Number:1011004
Qty: 1 kit
Shipping Weight: 1.04 lbs/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering Code	Part Qty.	Material	Weight(lbs/pcs)
Ceiling Mount B (adjustable angles)	1011004	⑦	Bracket	1011014	2	SUS304	0.26
		⑧	Bracket	1011015	2	SUS304	0.26

Wall Mount A

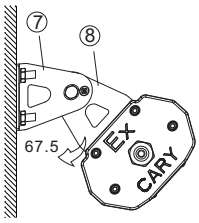




Wall Mount A
Catalog Number:1011005
Qty: 1 kit
Shipping Weight: 0.62 lbs/kit

Mounting Type	Ordering Code	Part SN	Part Name	Ordering Code	Part Qty.	Material	Weight(lbs/pcs)
Wall Mount A	1011005	⑨	V-Shape Bracket	1011016	2	SUS304	0.18
		②	Bracket	1011008	2	SUS304	0.13

Wall Mount B (adjustable angles)



Wall Mount B
Catalog Number:1011004
Qty: 1 kit
Shipping Weight: 1.04 lbs/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering Code	Part Qty.	Material	Weight(lbs/pcs)
Ceiling Mount B (adjustable angles)	1011004	⑦	Bracket	1011014	2	SUS304	0.26
		⑧	Bracket	1011015	2	SUS304	0.26

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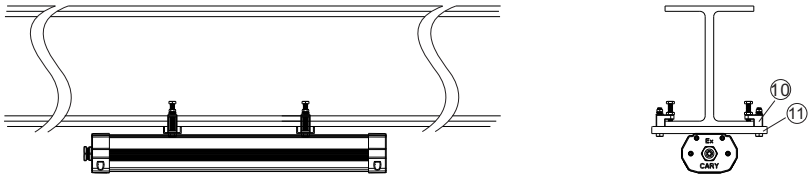
Beam Clamp Mount

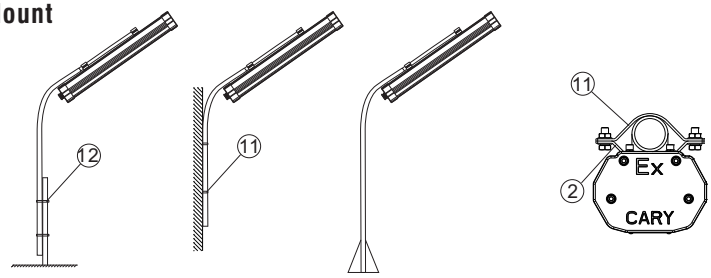


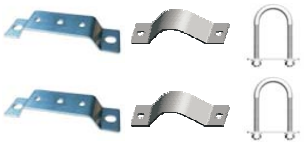
Beam Clamp Mount
Catalog Number:1011006
Qty: 1 kit
Shipping Weight: 1.4 lbs/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering Code	Part Qty.	Material	Weight(lbs/pcs)
Beam Clamp Mount	1011006	⑩	Beam Clamp	1011017	4	SUS304	0.26
		⑪	Aluminum Groove *	1011018	2	6063	0.18

* Suitable for steel I-beam with 4.33-8.26 inches width.

Pole Mount





Pole Mount
Catalog Number:1011007
Qty: 1 kit
Shipping Weight: 0.74 lbs/kit

Mounting Type	Ordering Code	Part SN	Part Name	Ordering	Part Qty.	Material	Weight(lbs/pcs)
Pole Mount	1011007	②	Bracket	1011008	2	SUS304	0.13
		⑪	Hoop	1011019	2	SUS304	0.11
		⑫	U-Shape Pipe Clamp	1011020	2	SUS304	0.13

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