

Specification

KLE1011-ATEX



LED Explosion Proof Light



CE RoHS



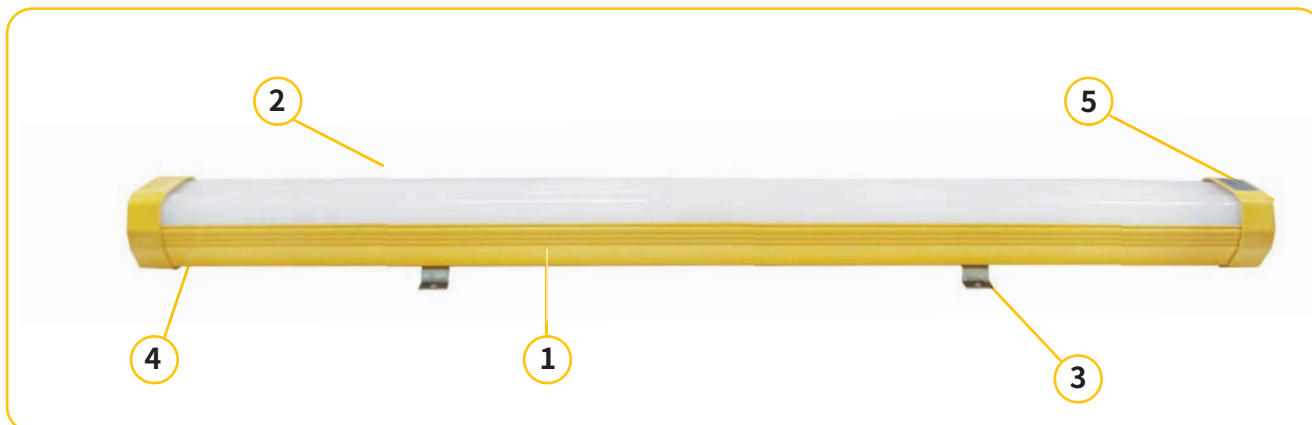
Classifications:

- ◆  II 2 G Ex eb mb op is IIC T5...T6 Gb
- ◆  II 2 D Ex op is tb IIIC T80°C Db
- ◆ LCIE 20 ATEX 3006 X
- ◆ ATEX-2014/34/EU
 - ◆ EN IEC 60079-0:2018
 - ◆ EN 60079-7:2015+A1:2018
 - ◆ EN 60079-31:2014
- ◆ EN 60079-18:2015+A1:2017
- ◆ EN 60079-28:2015
- ◆ $-40^{\circ}\text{C} \leq T_{amb} \leq +40^{\circ}\text{C}$ (for T6 or T80°C)
- ◆ $-40^{\circ}\text{C} \leq T_{amb} \leq +50^{\circ}\text{C}$ (for T5 or T80°C)
- ◆ LVD-2014/35/EU
- ◆ RoHS-2015/863/EU
- ◆ RoHS-2011/65/EU
- ◆ CNEX
- ◆ IK10
- ◆ IP66



LED Explosion Proof Light-KLE1011

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 6-12KV surge protection
- ◆ Feed-through capable
- ◆ Clear lens optional
- ◆ Enclosures attached to back brackets for pendant pole mount, pendant chain mount and 45 degree wall mount
- ◆ 5-year warranty

Standard Materials:

- ◆ Side cover:ADC12
- ◆ Gaskets: one-piece neoprene
- ◆ Brackets: stainless steel
- ◆ Body:6063 aluminum (less than 0.4% copper content) with yellow-painted
- ◆ 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°C and high temperature up to 50°C.
- 4 Best-in-class efficacy-Up to 110 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%

LED Explosion Proof Light-KLE1011

Catalog Number Logic

KLE1011 - U - 24 - C - 1 - 50 - XX

1

2

3

4

5

6

7

1 BASIC SERIES

◆ KLE1011

2 VOLTAGE/FREQUENCY

◆ U=100-277V 50/60Hz

3 LAMP WATTAGE

◆ 24=24 Watt ◆ 60=60 Watt
◆ 36=36 Watt ◆ 72=72 Watt
◆ 50=50 Watt ◆ 80=80 Watt

4 LENS

◆ C=Clear
◆ D=Diffused

5 NOMINAL FIXTURE LENGTH

◆ 1=300mm
◆ 2=600mm
◆ 4=1200mm

6 CCT

◆ 60=6000K CCT ◆ 50=5000K CCT
◆ 40=4000K CCT ◆ 30=3000K CCT

7 OPTIONS

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

Catalog logic is for explaining catalog number structure only.
Not all combinations are possible; consult factory for catalog numbers not listed in charts.

Certification Guide:

Model	Length	Wattage	Operating Voltage	Total Lumens	Lumen per Watt	CRI	CCT *	Ambient Temperature	Ex-mark for Gas	Ex-mark for Dust	Supply Wire Suitable Temperature
KLE1011U24C1	385mm	24W	100-277V 50/60Hz	2712	113	75	5034	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
KLE1011U36C2	685mm	36W	100-277V 50/60Hz	4212	117	75	5021	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
KLE1011U36C4	1285mm	36W	100-277V 50/60Hz	4680	130	75	5060	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
KLE1011U50C4	1285mm	50W	100-277V 50/60Hz	6250	125	75	5046	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
KLE1011U60C4	1285mm	60W	100-277V 50/60Hz	7380	123	75	5038	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
KLE1011U72C4	1285mm	72W	100-277V 50/60Hz	8424	117	74	5023	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
KLE1011U80C4	1285mm	80W	100-277V 50/60Hz	9120	114	75	5020	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
KLE1011U24D1	385mm	24W	100-277V 50/60Hz	2280	95	75	5034	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
KLE1011U36D2	685mm	36W	100-277V 50/60Hz	3456	96	75	5021	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
KLE1011U36D4	1285mm	36W	100-277V 50/60Hz	3888	108	74	5005	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
KLE1011U50D4	1285mm	50W	100-277V 50/60Hz	5250	105	75	5052	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
KLE1011U60D4	1285mm	60W	100-277V 50/60Hz	6180	103	75	5012	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
KLE1011U72D4	1285mm	72W	100-277V 50/60Hz	6912	96	74	5023	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C
KLE1011U80D4	1285mm	80W	100-277V 50/60Hz	7600	95	75	5026	-40°C<Tamb<50°C	Ex eb mb op is IIC T5...T6 Gb	Ex op is tb IIIC T80°C Db	80°C

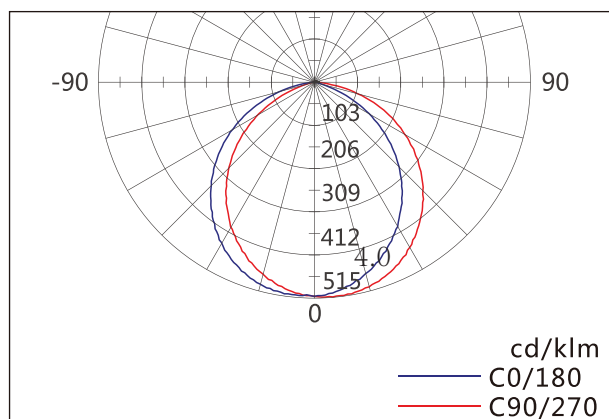
* All values typical unless otherwise stated (tolerance +/- 10%)

LED Explosion Proof Light-KLE1011

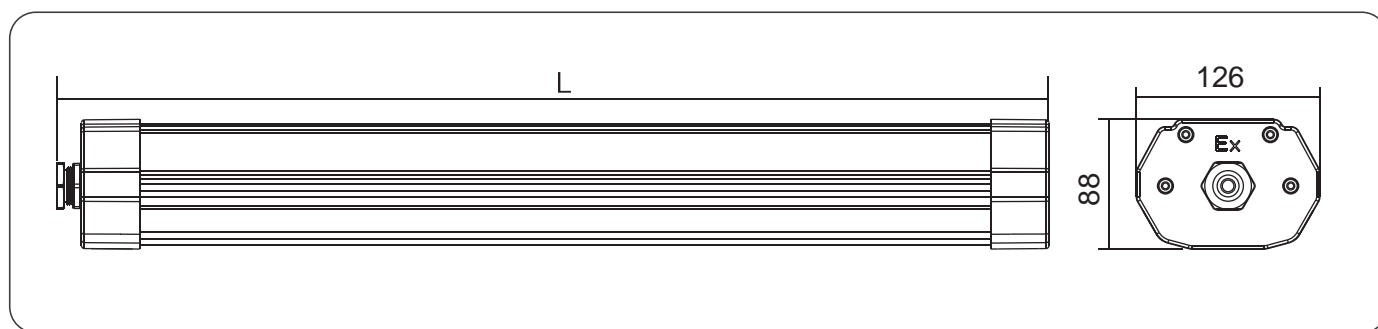
Technical Data for Emergency:

Dimensions for Lighting	1285mm(36/50/60/72/80W)	Emergency Time	90Minutes
Input Voltage	100-277VAC, 50/60Hz	Recharge Time	24Hours
Output Voltage	25-48VDC	Battery Type	Ni-MH (Built-in)
Emergency Power	15W Max	Temperature Rating (Ambient)	0°C<Tamb<50°C

Photometric Data:



Fixture Dimensions(mm):

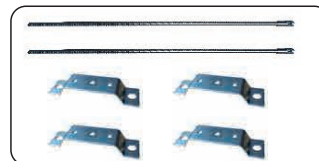
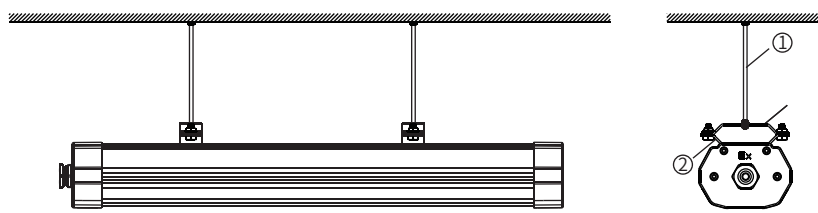


KLE1011 Series	Dimensions(mm)	Net Weight(Kg)	Boxed Weight(Kg)	Shipping Volume(m ³)
300mm models	L=385	2.8	4.0	0.014
600mm models	L=685	4.5	6.0	0.035
1200mm models	L=1285	7.5	9.7	0.063

LED Explosion Proof Light-KLE1011

Accessories:

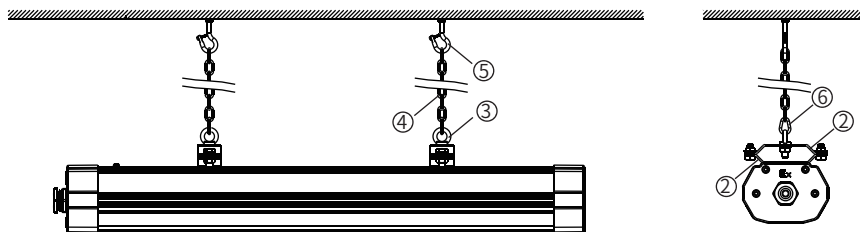
Pendant Pole Mount



Pendant Pole Mount
 Catalog Number:1011001
 Qty: 1 kit
 Shipping Weight: 0.64Kg/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering	Part Qty.	Materies	Weight(Kg/pcs)
Pendant Pole Mount	1011001	①	M8 Screw Pole(L=500MM)	1011009	2	SUS304	0.2
		②	Bracket	1011008	4	SUS304	0.06

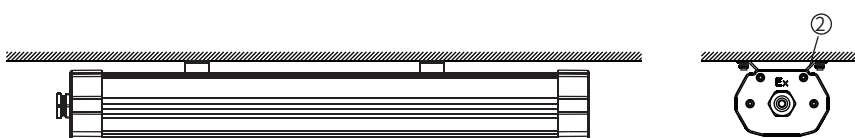
Pendant Chain Mount



Pendant Chain Mount
 Catalog Number:1011002
 Qty: 1 kit
 Shipping Weight: 0.66 Kg/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering	Part Qty.	Materies	Weight(Kg/pcs)
Pendant Pole Mount	1011002	②	Bracket	1011008	4	SUS304	0.06
		③	Lifting Bolt	1011010	2	SUS304	0.03
		④	Pendant Chain	1011011	2	SUS304	0.1
		⑤	Expansion Hook	1011012	2	SUS304	0.06
		⑥	Hanging buckle	1011013	2	SUS304	0.02

Ceiling Mount A

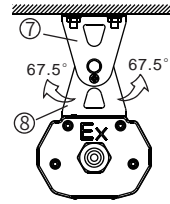
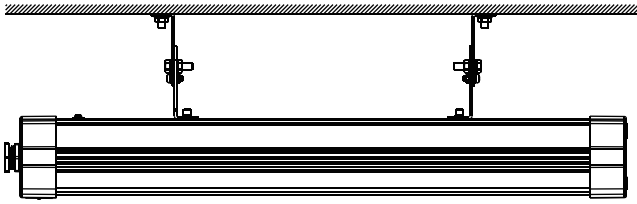


Ceiling Mount A
 Catalog Number:1011003
 Qty: 1 kit
 Shipping Weight: 0.12 kg/kit

Mounting Type	Ordering Code	Part SN	Part Name	Ordering Code	Part Qty.	Materies	Weight((Kg/pcs)
Ceiling Mount A	1011003	②	Bracket	1011008	2	SUS304	0.06

LED Explosion Proof Light-KLE1011

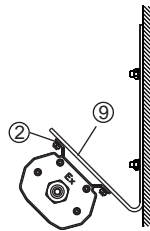
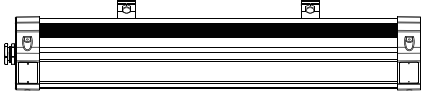
Ceiling Mount B (adjustable angles)



Ceiling Mount B
 Catalog Number:1011004
 Qty: 1 kit
 Shipping Weight: 0.48 Kg/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering	Part Qty.	Materies	Weight(Kg/pcs)
Ceiling Mount B (adjustable angles)	1011004	⑦	Bracket	1011014	2	SUS304	0.12
		⑧	Bracket	1011015	2	SUS304	0.12

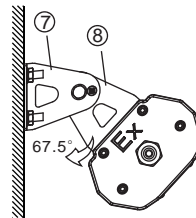
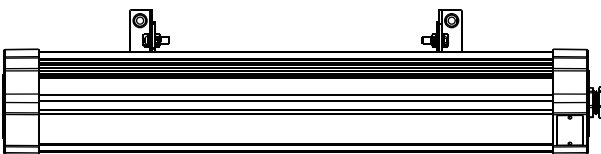
Wall Mount A



Wall Mount A
 Catalog Number:1011005
 Qty: 1 kit
 Shipping Weight: 0.28 Kg/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering	Part Qty.	Materies	Weight(Kg/pcs)
Wall Mount A	1011005	⑨	V-Shape Bracket	1011016	2	Q235	0.08
		②	Bracket	1011008	2	SUS304	0.06

Wall Mount B (adjustable angles)

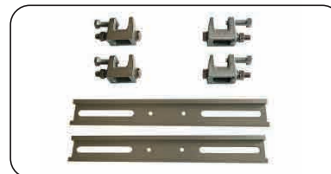
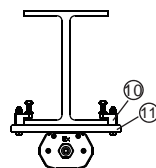
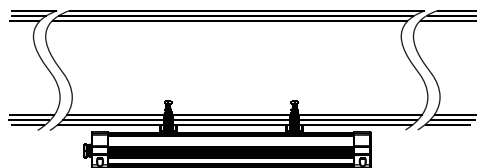


Wall Mount B
 Catalog Number:1011004
 Qty: 1 kit
 Shipping Weight: 0.48 Kg/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering	Part Qty.	Materies	Weight(Kg/pcs)
Ceiling Mount B (adjustable angles)	1011004	⑦	Bracket	1011014	2	SUS304	0.12
		⑧	Bracket	1011015	2	SUS304	0.12

LED Explosion Proof Light-KLE1011

Beam Clamp Mount

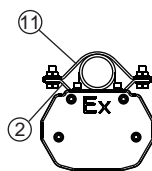
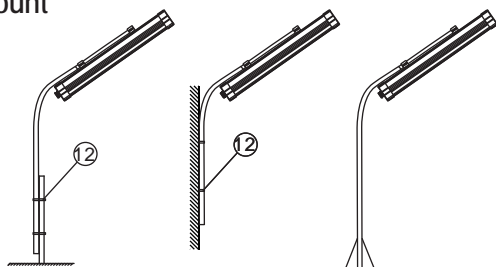


Beam Clamp Mount
 Catalog Number:1011006
 Qty: 1 kit
 Shipping Weight: 0.64 Kg/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering	Part Qty.	Materies	Weight(Kg/pcs)
Beam Clamp Mount	1011006	⑩	Beam Clamp	1011017	4	SUS304	0.12
		⑪	Aluminum Groove *	1011018	2	6063	0.08

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

Pole Mount



Pole Mount
 Catalog Number:1011007
 Qty: 1 kit
 Shipping Weight: 0.34 Kg/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering	Part Qty.	Materies	Weight(Kg/pcs)
Pole Mount	1011007	②	Bracket	1011008	2	SUS304	0.06
		⑪	Hoop	1011019	2	SUS304	0.05
		⑫	U-Shape Pipe Clamp	1011020	2	SUS304	0.06

Wiring Diagram:

