



KLE1016

LED Explosion proof Light

-  II 2 G Ex d IIC T6 Gb
-  II 2 D Ex tb IIIIC T80°C Db IP66
- -40°C to 55°C Ambient Temperature
- ATEX-2014/34/EU
EN 60079-0:2012+A11:2013
EN 60079-1:2014
EN 60079-31:2014
- EMC-2014/30/EU
- LVD-2014/35/EU
- RoHS-2011/65/EU

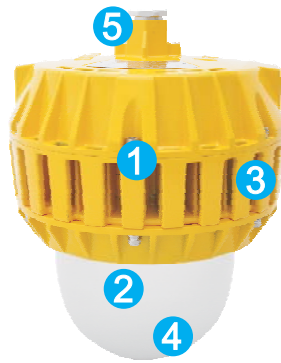


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Key Features:

- 1 High quality aluminum alloy housing
- 2 Impact resistant tempered glass lens
- 3 Professional thermal design with ventilation matrix
- 4 Professional light distribution design, uniform and comfortable lighting
- 5 Double seal to ensure no water intake in harsh environment



Additional Features:

- Surge protection: 6KV line to line, 12KV line to ground
- Standard: Ceiling mount with U-bracket optional
- 3-year warranty

Standard Materials:

- Body: ADC12, yellow-painted or grey-painted finish for options
- Gaskets: silicone
- Lens: tempered glass, clear or diffused for options

Features & Benefits:

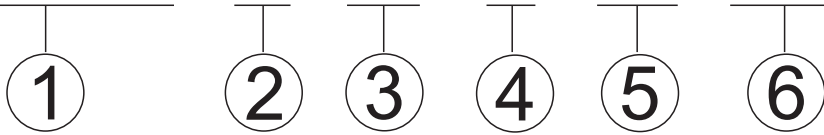
- 1 Environmentally Friendly 50,000 hrs lifetime
- 2 Superior color rendering index compared to HPS, LPS or MV
- 3 Low temperature applications to -40°C and high temperature up to 55°C
- 4 Professional light distribution design, uniform and comfortable lighting
- 5 Temperature compensation technology for longer life
- 6 Low maintenance costs and power consumption reduced by over 50%

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Catalog Number Logic

KLE1016 - U - 24 - C - 50 - XX



1 BASIC SERIES

4 LENS
C = Clear
D = Diffused

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

5 CCT
60 = 6000K CCT
50 = 5000K CCT (recommend)
40 = 4000K CCT

3 LAMP WATTAGE
24 = 24 Watt
36 = 36 Watt
50 = 50 Watt
60 = 60 Watt
70 = 70 Watt
80 = 80 Watt

6 OPTIONS
PP = Pendant Pole Mount
CM = Ceiling Mount
WA = Wall Mount A
WB = Wall Mount B
PM = Pole Mount

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

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

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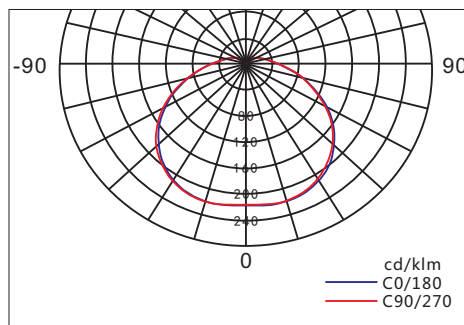
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Certification Guide

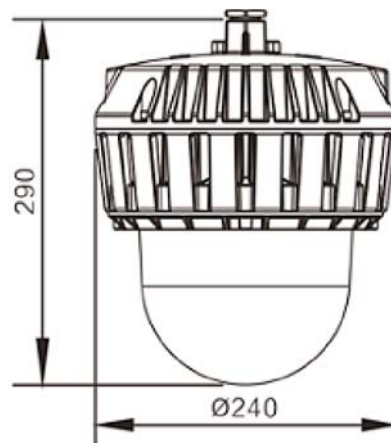
Model	Wattage	Operating Voltage	Total Lumens	Lumen per Watt	CRI	CCT *	Ambient Temperature	Ex-mark for Gas	Ex-mark for Dust	Supply Wire Suitable Temperature
KLE1016U24C	24W	90-305V 50/60Hz	2350	98	74	5038	-40℃<Tamb<55℃	Ex II 2 G Ex d IIC T6 Gb	Ex II 2 D Ex tb IIIC T80℃ Db IP66	80℃
KLE1016U36C	36W	90-305V 50/60Hz	3540	98	74	5022	-40℃<Tamb<55℃	Ex II 2 G Ex d IIC T6 Gb	Ex II 2 D Ex tb IIIC T80℃ Db IP66	80℃
KLE1016U50C	50W	90-305V 50/60Hz	4900	98	75	5056	-40℃<Tamb<55℃	Ex II 2 G Ex d IIC T6 Gb	Ex II 2 D Ex tb IIIC T80℃ Db IP66	80℃
KLE1016U60C	60W	90-305V 50/60Hz	5880	97	74	5044	-40℃<Tamb<55℃	Ex II 2 G Ex d IIC T6 Gb	Ex II 2 D Ex tb IIIC T80℃ Db IP66	80℃
KLE1016U70C	70W	90-305V 50/60Hz	6860	97	75	5028	-40℃<Tamb<55℃	Ex II 2 G Ex d IIC T6 Gb	Ex II 2 D Ex tb IIIC T80℃ Db IP66	80℃
KLE1016U80C	80W	90-305V 50/60Hz	7840	97	75	5030	-40℃<Tamb<55℃	Ex II 2 G Ex d IIC T6 Gb	Ex II 2 D Ex tb IIIC T80℃ Db IP66	80℃
KLE1016U24D	24W	90-305V 50/60Hz	2090	87	74	5054	-40℃<Tamb<55℃	Ex II 2 G Ex d IIC T6 Gb	Ex II 2 D Ex tb IIIC T80℃ Db IP66	80℃
KLE1016U36D	36W	90-305V 50/60Hz	3130	87	74	5047	-40℃<Tamb<55℃	Ex II 2 G Ex d IIC T6 Gb	Ex II 2 D Ex tb IIIC T80℃ Db IP66	80℃
KLE1016U50D	50W	90-305V 50/60Hz	4300	86	75	5050	-40℃<Tamb<55℃	Ex II 2 G Ex d IIC T6 Gb	Ex II 2 D Ex tb IIIC T80℃ Db IP66	80℃
KLE1016U60D	60W	90-305V 50/60Hz	5160	86	74	5040	-40℃<Tamb<55℃	Ex II 2 G Ex d IIC T6 Gb	Ex II 2 D Ex tb IIIC T80℃ Db IP66	80℃
KLE1016U70D	70W	90-305V 50/60Hz	6020	86	75	5020	-40℃<Tamb<55℃	Ex II 2 G Ex d IIC T6 Gb	Ex II 2 D Ex tb IIIC T80℃ Db IP66	80℃
KLE1016U80D	80W	90-305V 50/60Hz	6880	86	75	5033	-40℃<Tamb<55℃	Ex II 2 G Ex d IIC T6 Gb	Ex II 2 D Ex tb IIIC T80℃ Db IP66	80℃

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

Photometric Data



Fixture Dimensions(mm)



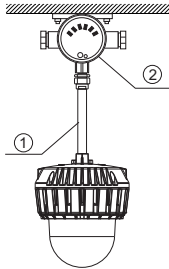
KLE1016	Dimensions(mm)	Net Weight(kg)	Boxed Weight(kg)	Shipping Volume(m ²)
	φ240*H290	8	9.4	0.0342

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Accessories

Pendant Pole Mount

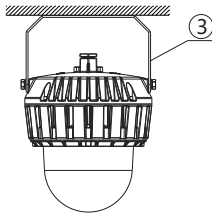


Pendant Pole Mount
 Catalog Number:1016001
 Qty: 1 kit
 Shipping Weight: 1.1 kg/kit

Mounting Type	Ordering	Part SN	Part Name	Ordering	Part Qty.	Material	Weight(kg/pcs)
Pendant Pole Mount	1016001	①	Pole(L=100MM) ^a	1016006	1	Q235	0.7
		②	Explosion proof wiring box ^b	1016007	1	ADC12	0.4

a: Other length of the pole, must be noted before order.
 b: The explosion proof wiring box: Customer owned.

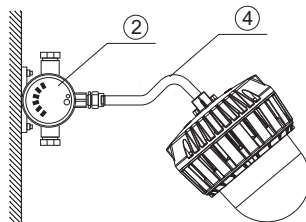
Ceiling Mount



Ceiling Mount
 Catalog Number:1016002
 Qty: 1 kit
 Shipping Weight: 0.5 kg/kit

Mounting Type	Ordering Code	Part SN	Part Name	Ordering Code	Part Qty.	Material	Weight(kg/pcs)
Ceiling Mount A	1016002	③	U-Bracket	1016008	1	Q235	0.5

Wall Mount A



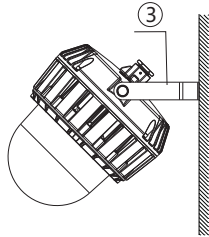
Wall Mount A
 Catalog Number:1016003
 Qty: 1 kit
 Shipping Weight: 0.8 kg/kit

Mounting Type	Ordering Code	Part SN	Part Name	Ordering Code	Part Qty.	Material	Weight(kg/pcs)
Wall Mount A	1016003	②	Explosion proof wiring box	1016007	1	ADC12	0.4
		④	Bend bar	1016009	1	Q235	0.4

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Wall Mount B



Wall Mount B

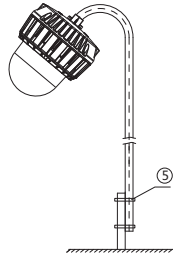
Catalog Number:1016002

Qty: 1 kit

Shipping Weight: 0.5 kg/kit

Mounting Type	Ordering Code	Part SN	Part Name	Ordering Code	Part Qty.	Material	Weight(kg/pcs)
Wall Mount B	1016004	③	U-Bracket	1016008	1	Q235	0.5

Pole Mount



Pole Mount

Catalog Number:1016005

Qty: 1 kit

Shipping Weight: 0.06 kg/kit

Mounting Type	Ordering Code	Part SN	Part Name	Ordering Code	Part Qty.	Material	Weight(kg/pcs)
Pole Mount	1016005	⑤	U-Shape Pipe Clamp	1011020	2	SUS304	0.06