

KCL- LED CANOPY LIGHT / HIGH/LOW BAY



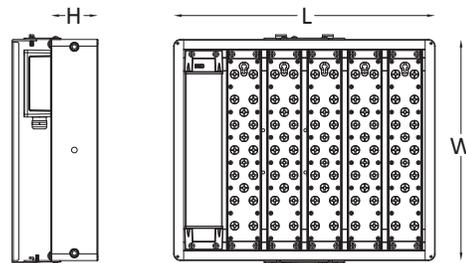
Certified by TUV-sud according to the following standards:

- IEC /EN 60598-1: 2008
- IEC /EN 60598-2-3/A1: 2011
- EN 62493:2010
- IEC62471: 2008
- IEC62471-2:2009
- EN 55015: 2013
- EN61547:2009
- EN61000-3-2/A2:2009
- EN 61000-3-3:2013
- (EU) 1194/2012:2012-12-12
- (EC) 244/2009:2009-03-18

ENEC: No.: U6140888771008 (KCL Models)
 CB:No. : SG-LE-00945 (KCL Models)

Ik08 rating, 1000 hours salt mist test reports are furnished upon request.

DIMENSIONAL DRAWING



FEATURES & BENEFITS

- 1) Based on the most successful product development, manufacturing and application expertise and experience.
- 2) Powered by the worldwide best LED, LED drivers, and other key components.
- 3) Meet all the major product qualifications.
- 4) Sufficient optics solutions at option to meet almost all lighting standards.
- 5) Modular mechanical construction, and the most thoughtful design, make the product the most user friendly and easiest for assembly, maintenance and installation.
- 6) The most competitive in cost performance, and one of the best ownership costs. 10 years limited warranty, free from maintenance for 10 years at least, the most competitive in operating cost, soonest in return on investment (ROI) or payback.
- 7) Environmentally friendly packaging materials (EPE).

APPLICATIONS

Commercial and industrial low bay / high bay lighting.

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ORDERING INFORMATION

Example 1: KCL-30-U-T5M-50K-BK-00

Example 2: KCL-200-UH-T5L-50K-BK-DM

Product ID	Power (W)	Voltage	OR	Product ID	Power (W)	Voltage	Optic Lens	CCT* (ANSI)	Housing Color**	Lighting Control
KCL	30	U-120-277		KCL	80	UH-480	T1M	30K	BK Black (RAL:9011)	BLANK Not required
	30W				80W		T2M	3045		
	60				120		T3M	±175K		
	60W				120W		T3L	40K	GR Grey (RAL:7004)	DC DALI
	90				160		T4S	3985		
	90W				160W		T5U	±275K		
	120				200		T5V	50K	WH White (RAL:9010)	DM 1-10V dimming
	120W				200W		T5W	5028		
	150				240		T5S	±283K		
	150W				240W		T5M	57K	BZ Bronze (RAL:8017)	
	180				280		T5L	5665		
	180W				280W		T5D	±355K		
210	320									
210W	320W									
240										
240W										
270										
270W										
300										
300W										

Notes:

- **CCT*:**
 - LEDs at 5000k CCT are always in stock largely to support prompt delivery of finished products.
 - LEDs at 3000k, 4000k, 5700k CCT are in stock as well, but the quantity is small to meet small needs, and the shipment for the finished products with these LEDs cannot be made sooner than those with LEDs at 5000k CCT.
 - LEDs at CCT or wavelength (unit nm) which is not in stock are available upon request, but the lead time for the finished products with these types of LEDs cannot be soon, also the unit price is higher.

- **Housing Color**:**
 - BK (Black) housings are always in stock largely to support prompt delivery of finished products.
 - GR (Grey), WH (White), BZ (Bronze) housing are available too, and the unit price of the finished product with these types of housings may be different from that with black housing, but the lead time is longer relatively.
 - Other housing colors which are not mentioned can be customized, but the unit price is higher, the lead time is much longer.

- **Optic Lens Options:**

1) T1M: Type I Medium	7) T5V: 25°
2) T2M: Type II Medium	8) T5W: 40°
3) T3M: Type III Medium	9) T5S: 60°
4) T3L: Type III Long	10) T5M: 90°
5) T4S: Type IV Short	11) T5L: 120°
6) T5U: 10°	12) T5D: (frosted front cover, glare resistant)

- 1, 2, 3, 4, 7: DALI control is not available.
- 5, 6: Photocell and motion sensing are available based on customization request.
- 7: Photocell is available based on customization request.

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BRIEF SPECIFICATIONS

Model No.	KCL-30	KCL-60	KCL-90	KCL-120	KCL-150	KCL-180	KCL-210	KCL-240	KCL-270	KCL-300
Lumens @ 5000K	3585	7214	11132	15513	18502	21988	26528	29475	33197	36610
Power	30W	60W	90W	120W	150W	180W	210W	240W	270W	300W
Net Weight	4.84Kg	4.84Kg	5.83Kg	6.49Kg	7.16Kg	9.18Kg	9.82Kg	10.8Kg	11.58Kg	12.24Kg
Gross Weight	5.49Kg	5.49Kg	6.58Kg	7.34Kg	8.13Kg	10.21Kg	10.97Kg	11.92Kg	12.77Kg	13.49Kg
Dimensions (L x W x H)	210 x 330 x 128mm	210 x 330 x 128mm	270 x 330 x 128mm	330 x 330 x 128mm	390 x 330 x 128mm	510 x 330 x 128mm	570 x 330 x 128mm	630 x 330 x 128mm	690 x 330 x 128mm	750 x 330 x 128mm
Carton Dimensions (L x W x H)	315 x 425 x 160mm	315 x 425 x 160mm	375 x 425 x 160mm	435 x 425 x 160mm	495 x 425 x 160mm	615 x 425 x 160mm	675 x 425 x 160mm	735 x 425 x 160mm	795 x 425 x 160mm	855 x 425 x 160mm
Input	120-277V AC or 220-240V AC 50/60Hz									

Model No.	KCL-80	KCL-120	KCL-160	KCL-200	KCL-240	KCL-280	KCL-320
Lumens @ 5000K	8027	11763	15604	19240	23572	27025	31368
Power	80W	120W	160W	200W	240W	280W	320W
Net Weight	4.84Kg	5.83Kg	6.49Kg	8.22Kg	9.18Kg	9.82Kg	10.8Kg
Gross Weight	5.49Kg	6.58Kg	7.34Kg	9.19Kg	10.21Kg	10.97Kg	11.92Kg
Dimensions (L x W x H)	210 x 330 x 128mm	270 x 330 x 128mm	330 x 330 x 128mm	450 x 330 x 128mm	510 x 330 x 128mm	570 x 330 x 128mm	630 x 330 x 128mm
Carton Dimensions (L x W x H)	315 x 425 x 160mm	375 x 425 x 160mm	435 x 425 x 160mm	555 x 425 x 160mm	615 x 425 x 160mm	675 x 425 x 160mm	735 x 425 x 160mm
Input	347-480V AC 50/60Hz						

Drive current

1. KCL-*-U: 530mA
2. KCL-*-UH: 700mA

General specifications for all the above items:

Electrical:

1. Power Factor: >0.95 at full load.
2. Total Harmonic Distortion: <20% at full load.

Lifetime per TM21 and working temperature:

3. Reported L70 Lifetime: >60,000 hours .
Calculated L70 Lifetime: >100,000 hours.
4. Ambient Temperature (Ta): -40 to 50 degrees celcius (-40 to 122 degrees Fahrenheit).

Typical Luminous Efficacy:

5. Typical Luminous Efficacy (KCL-U models): 110 lm/w (5000K CCT, Ra>70).
6. Typical Luminous Efficacy (KCL-UH models): 100 lm/w (5000K CCT, Ra>70).
7. System Efficacy and power are customized, e.g. 130 lm/W.

Materials:

8. LED option: CREE or PHILIPS Lumileds.
9. LED Driver Origin: PHILIPS or MEANWELL.
10. Worldwide top brand quick connector for tool-free wiring, and terminal block for easiest wiring.
11. Extruded aluminium LED driver compartment with die cast aluminium end cap, and led light bar end caps with corrosion resistant powder coating. Extruded aluminium alloy heat sink with anodized finish. 304 graded stainless steel protective cover to protect UV resistant polycarbonate lenses.