

KFL- LED FLOODLIGHT



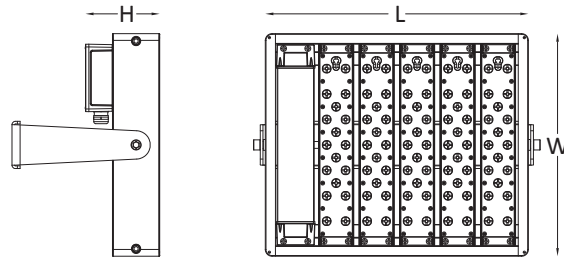
Certified by TUV-sud according to the following standards:

- 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(KFL-*-U Models)
 CB:No. : SG-LE-00945(KFL-*-U 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 lighting

KFL- LED FLOODLIGHT

ORDERING INFORMATION

Example 1: KFL-60-U-T5M-50K-BK-00

Example 2: KFL-200-UH-T5L-50K-BK-00

Product ID	Power (W)	Voltage	or	Product ID	Power (W)	Voltage	Optic Lens	CCT* (ANSI)	Housing Color**	Lighting Control
KFL	60 60W	U-120-277	or	KFL	80 80W	UH - 480	T1M	30K	BK	BLANK
	90 90W				120 120W		T2M	3045	Black (RAL:9011)	Not required
							T3M	±175K		
							T3L	40K	GR	PC
	120 120W				160 160W		T4S	3985	Grey (RAL:7004)	Photocell
							T5U	±275K		MS
	150 150W				200 200W		T5V	50K	WH	Motion Sensor
							T5W	5028	White (RAL:9010)	PCMS
	180 180W				240 240W		T5S	±283K		Photocell+
							T5M	57K	BZ	Motion Sensor
210 210W	280 280W	T5L	5665	Bronze (RAL:8017)	DC					
		T5D	±355K		DALI					
240 240W	320 320W				DM					
270 270W					1-10V dimming					
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, 5: DALI control is not available.
 3, 4: Photocell and motion sensing are available based on customization request.
 5: Photocell is available based on customization request.

KFL- LED FLOODLIGHT

BRIEF SPECIFICATIONS

Model No.	KFL-60	KFL-90	KFL-120	KFL-150	KFL-180	KFL-210	KFL-240	KFL-270	KFL-300
Lumens @ 5000K	7214	11132	15513	18502	21988	26528	29475	33197	36610
Power	60W	90W	120W	150W	180W	210W	240W	270W	300W
Net Weight	4.97kg	6.10kg	7.01kg	7.74kg	10.13kg	10.96kg	12.23kg	12.98kg	13.68kg
Gross Weight	5.62kg	6.85kg	7.89kg	8.71kg	11.21kg	12.09kg	13.40kg	14.20kg	14.96kg
Dimensions (L x W x H)	210 x 330 x 110mm	270 x 330 x 100mm	330 x 330 x 110mm	390 x 330 x 100mm	510 x 330 x 110mm	570 x 330 x 110mm	630 x 330 x 110mm	690 x 330 x 110mm	750 x 330 x 110mm
Carton Dimensions (L x W x H)	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.	KFL-80	KFL-120	KFL-160	KFL-200	KFL-240	KFL-280	KFL-320
Lumens @ 5000K	8027	11763	15604	19240	23572	27025	31368
Power	80W	120W	160W	200W	240W	280W	320W
Net Weight	4.97kg	6.10kg	7.01kg	8.80kg	10.13kg	10.96kg	12.23kg
Gross Weight	5.62kg	6.85kg	7.89kg	9.77kg	11.21kg	12.09kg	13.40kg
Dimensions (L x W x H)	210 x 330 x 110mm	270 x 330 x 110mm	330 x 330 x 110mm	450 x 330 x 110mm	510 x 330 x 110mm	570 x 330 x 110mm	630 x 330 x 110mm
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. KFL-*-U: 530mA
2. KFL-*-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 (KFL-*-U models): 110 lm/w (5000K CCT, Ra>70).
6. Typical Luminous Efficacy (KFL-*-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.