

COOL FIN LED MODULAR ROADWAY / AREA HYBRID SERIES







cULus and DLC QPL listed. (UL File No.: E467349)





₹ CE CB IP67 IK08 ErP €





I EC/EN 60598-2-3/A1: 2011 EN 62493:2010 IEC62471:2008 IEC62471-2:2009

EN 55015: 2013

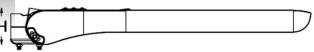
EN61547:2009 EN61000-3-2/A2:2009

EN 61000-3-3:2013 (EU) 1194/2012:2012-12-12

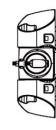
(EC) 244/2009:2009-03-18

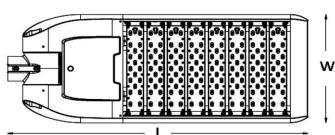
ENEC: No.: U6140888771007 (SLA models) CB: No.: SG-LE-00951 (SLA models)

Ik08 rating, 3G vibration, 1000 hours salt mist test reports are furnished upon request.









Features & Benefits

- Based on the most successful product development, manufacturing and application expertise and experience.
- Powered by the worldwide best LED, LED drivers, and other key components.
- cULus, DLC listed, and certified as per CE (lvd, emc, RoHs, Erp directives), CB, ENEC standards.
- Sufficient optics solutions at option to meet almost all roadway/street and area lighting application standards.
- Modular mechanical construction, and the most thoughtful design, make the product the most user friendly and easiest for assembly, maintenance and installation.
- 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.
- Environmentally friendly packaging materials (EPE).

Applications

Municipal and rural street, roadway, or area lighting.







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Brief Specifications-120-277V AC or 220-240V

Model No.	CFSLPMHB60	CFSLPMHB90	CFSLPMHB120	CFSLPMHB150	CFSLPMHB180	CFSLPMHB210	CFSLPMHB240	CFSLPMHB270	CFSLPMHB300
No. of LEDs	36	54	72	90	108	126	144	162	180
Power	60W	90W	120W	150W	180W	210W	240W	270W	300W
Net Weight	7.09kg	8.22kg	8.88kg	9.47kg	10.83kg	11.47kg	12.49kg	13.12kg	13.88kg
E PA (1 Fixture at 0° mount)	0.5sq. ft.	0.54sq. ft.	0.59sq. ft.	0.63sq. ft.	0.67sq. ft.	0.72sq. ft.	0.76sq. ft.	0.8sq. ft.	0.84sq. ft.
Gross Weight	8.16kg	9.35kg	10.05kg	10.73kg	12.15kg	12.84kg	13.91kg	14.64kg	15.44kg
Dimensions (L x W x H)	523 x 345 x 116(mm)	583 x 345 x 116(mm)	643 x 345 x 116(mm)	703 x 345 x 116(mm)	763 x 345 x 116(mm)	823 x 345 x 116(mm)	883 x 345 x 116(mm)	943 x 345 x 116(mm)	1033 x 345 x 116(mm)
Carton Dimensions (L x W x H)	315 x 425 x 160mm	375 x 425 160mm	435 x 425 x 160mm	495 x 425 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							

Drive current:530mA

Brief Specifications-347-480V AC 50/60Hz

•			•					
Model No.	CFSLPMHBC80	CFSLPMHBC120	CFSLPMHBC160	CFSLPMHBC200	CFSLPMHBC240	CFSLPMHBC280	CFSLPMHBC320	
No. of LEDs	36	54	72	90	108	126	144	
Nominal Power	80W	120W	160W	200W	240W	280W	320W	
Net Weight	7.09kg	8.22kg	8.88kg	10kg	10.83kg	11.47kg	12.49kg	
E PA (1 Fixture at 0° mount)	0.5sq. ft.	0.54sq. ft.	0.59sq. ft.	0.63sq. ft.	0.67sq. ft.	0.72sq. ft.	0.76sq. ft.	
Gross Weight	8.16kg	9.35kg	10.05kg	11kg	12.15kg	12.84kg	13.91kg	
Dimensions (L x W x H)	4461	583 x 345 x 116(mm)	643 x 345 x 116(mm)	703 x 345 x 116(mm)	763 x 345 x 116(mm)	823 x 345 x 116(mm)	883 x 345 x 116(mm)	
Carton Dimensions (L x W x H)		655 x 425 x 160(mm)	715 x 425 x 160(mm)	775x 425 x 160(mm)	835 x 425 x 160(mm)	895 x 425 x 160(mm)	955 x 425 x 160(mm)	
Input	347-480V A C 50/60Hz							



Drive current:700mA

General Specifications

Electrical:

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

Lifetime per TM21 and working temperature:

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

Typical Luminous Efficacy:

- Typical Luminous Efficacy(120V): 110 lm/w (5000K CCT, Ra>70).
- Typical Luminous Efficacy(347V): 100 lm/w (5000K CCT, Ra>70).
 System Efficacy and power are customized, e.g. 130 lm/W.

Materials:

- LED option: CREE or PHILIPS Lumileds.
- LED Driver Origin: PHILIPS or MEANWELL.
- Worldwide top brand quick connector for tool-free wiring, and terminal block for easiest wiring.
- 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.

Available Options

POWER	<u>OPTICS</u>		<u>HOUSING</u>		сст	LIGHTING CONTROL		ADD:
(120-277V AC)	1) T1M	Type I Medium	GR	GREY	3000K	0	NOT REQUIRED	0
(347-480V AC)	2) T2M	Type I I Medium	BK	BLACK	4000K	1	PHOTO CELL	Enquire
	3) T3M	Type III Medium	WH	WHITE	5000K	2	MOTION SENSOR	Enquire
	4) T3L	Type I I I Long	BZ	BRONZE	5700K	3	PHOTO CELL & MOTION SENSOR	Enquire
	5) T4S	Type I V Short				4	DALI	Enquire
•			•			5	1 10V DIMMING	Enquire

Ordering Information

Example1:

CFSLPMHB - 150-120-T2M-5000-BZ-0									
CFSLPMHB	PMHB 150 120 T2M 5000 BZ 0								
type	wattage	input	lens	cct	Housng Color	Lighting control			

Example2:

CFSLPMHBC - 320-347-T2M-5000-BK-1									
CFSLPMHBC	SLPMHBC 320 347 T2M 5000 BK 1								
type	wattage	input	lens	cct	Housng Color	Lighting control			

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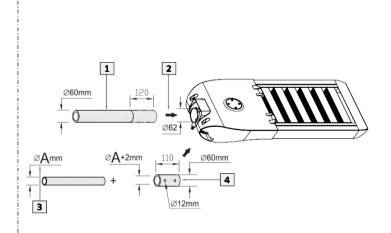
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MOUNTING AND OPTION ACCESSORIES

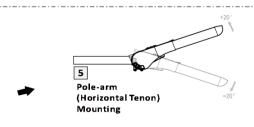


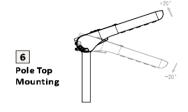


- 2 Spigot inner diameter 62mm (2.441").
- 3 Smaller pole-arm in diameter can be fixed to the spigot via an adapter (or spacer).
- Adapter (spacer): O. D. 60mm(2.375"), inner diameter is 2mm(0.079") bigger than the O. D. of the smaller pole-arm. Length 110mm(4.331"), screw hole diameter 12mm(0.470") Wall thickness of the adapter is customized



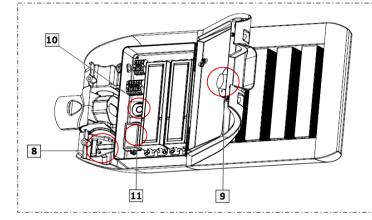
Optional Field-installed Accessory: Bird Spikes for LED Light Bars.





- is assembled to the fixture for pole-arm mounting (or horizontal tenon mount / lateral / side-entry mounting).
- 6 No extra accessories are required for pole top mounting. Just disassemble the spigot, then reversely assemble it. The reversely assembled spigot is adjusted ±20 degrees as well.





- 8 Two axis T-shaped bubble level as a standard configuration for ease of leveling and tilting angle setup as well.
- 9 An optional receptacle and /or its photocell or shorting cap are furnished if desired. For more details, please consult the specsheet in the following page.
- 10 An optional external motion sensor based on radar sensing $technology for brightness\, dimming\, and\, intelligent\, wireless$ lighting control is equipped with the fixture if required.
- 11 10KA, 20KA at 277v/347v surge protectors are optional.

Easy maintenance and installation tips:

1. Unscrew the led driver compartment cover in the air, and do not worry about the screws may drop off because of the human centered design.

2. Press WAGO branded terminal block to connect or disconnect wire leads (#20-#12 AWG).

3. Use fingers only to release or fix the WAGO branded quick connectors to connect or disconnect wire leads.

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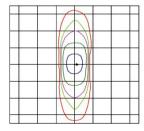


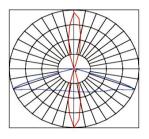
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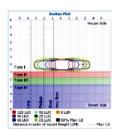
Photometrics

Optic Lens code: T1M

IES Classification: IES Type I Medium

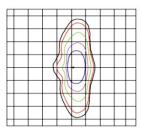


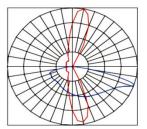


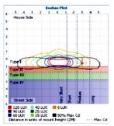


Optic Lens code: T2M

IES Classification: IES Type II Medium

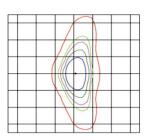


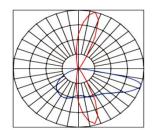


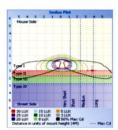


Optic Lens code: T3M

IES Classification: IES Type III Medium

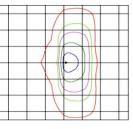


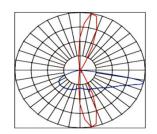


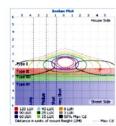


Optic Lens code: T3L

IES Classification: IES Type III Long

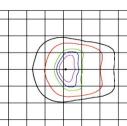


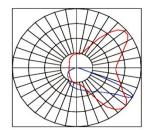


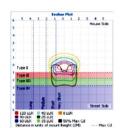


Optic Lens code: T4S

IES Classification: IES Type IV Short







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