

Commercial & Industrial Lighting



The
FHUSTM
Series

Bi-Level LED High Bay





The **FHUS**[™] series

- Maintenance free LED luminaires
- Bi-level dimming control included
- Daylight harvesting option
- IP65, UL 1598, and UL 8750 ratings
- Emergency backup option
- Three mounting options: hook, pendant, ceiling or wall
- Prismatic acrylic reflector option
- 100,000-Hour LED lifespan
- CRI 90+ on selected models
- 5-Year warranty

Bi-level Dimming Control Included



optional wireless deployment tool



Wireless deployment tool SE-HS-HD05R

Bi-Level Dimming control maximizes energy savings and is simpler than ever by combining an occupancy sensor, a timer, customizable three-step dimming switches and a photo sensor to detect the amount of ambient light surrounding the fixture. A wireless deployment tool is required to change the settings of the bi-level dimming control.

bi-level control can be disabled on installation

UL cUL Listed



Complies with the following standards:

- Standard for Luminaires, UL 1598
- Light Emitting Diode (LED) Light Sources for Use in Lighting Products, UL 8750

Complies with the following standards:

- CSA C22.2 No. 250.0-13 - CSA Standard for Safety for Luminaires

LEDs

Multi-chip, high-output, long-life LEDs

Lifespan

100,000-Hour LED Lifespan based on IES LM-80 results and TM-21 calculations

Maximum Ambient Temperature

45°C (113°F)

Thermal Management

Superior heat sinking with external Air-Flow fins

Housing, Hardware & Gasket

Die-cast aluminum housing; stainless steel external hardware; silicone gasket

Lens/Reflector

Polycarbonate. Optional Prismatic Acrylic Reflector

Mounting

Three mounting styles: hook; optional 3/4" NPT threaded pendant, or ceiling/wall mounting with trunnion arm

Finish

Our environmentally friendly polyester powder coatings are formulated for high durability and long-lasting color, and contain no VOC or toxic heavy metals.

Color Uniformity & Stability

PacLights's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011. LED color temperature warranted not to shift more than 200K in CCT in 5 years

Green Technology

Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

IESNA LM-79 & LM-80 Testing

PacLights LED luminaires have been tested by laboratory in accordance with IESNA LM-79 and LM-80.

Drivers

Constant Current, Class I, 120-277V(UV), or 277-480V(HV), 50/60 Hz, THD <20%, PF >95%

Driver Wattage	60w	80w	100w	120w	150w	200w	250w
Input Current (UV Driver)	590mA	730mA	930mA	1.15A	1.4A	1.8A	2.2A
Input Current (HV Driver)	-	-	360mA	450mA	560mA	890mA	900mA

Emergency Backup Option

When there is a power outage, the optional emergency backup will power the FHUS to an reduced brightness for at least 90 mins. This self-tested device will automatically perform a 30-second discharge test once a month and a full 90-minute discharge test once a year.



Daylight Harvesting Option

Daylight Harvesting Sensor is a control device that reduces electric light in building interiors when daylight is available, in order to reduce energy consumption. Daylight harvesting takes advantage of naturally available light, is a key energy-saving strategy for commercial spaces.



IP65 Rated

- No ingress of dust; complete protection against contact (dust tight)
- No ingress of water projected in jets from any direction

DLC Listed

The DesignLights Consortium® (DLC) is a non-profit organization promotes high-quality, energy-efficient lighting products in collaboration with utilities and energy efficiency program members, manufacturers, lighting designers. DLC Listed high performing LED lighting products may qualify for rebates.



Product Specifications

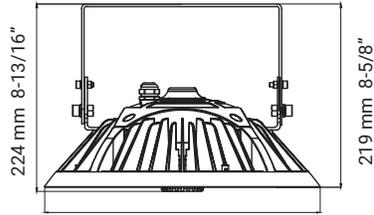


Dimensions Diagram

FHUS 060/080/100/120/150 LV

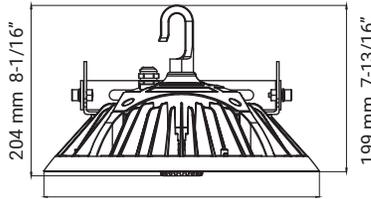
weight: 6.6 lbs

Trunnion



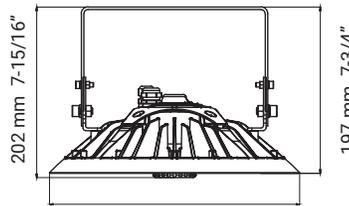
Ø329 mm Ø12-15/16"

Hook



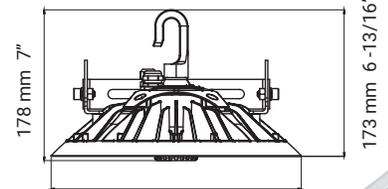
Ø329 mm Ø12-15/16"

Trunnion



Ø295 mm Ø11-5/8"

Hook



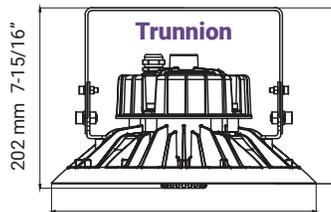
Ø295 mm Ø11-5/8"

FHUS 200/250 LV

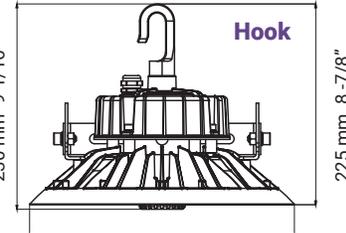
weight: 10.14 lbs

FHUS 100/120/150 HV

weight: 10.1 lbs



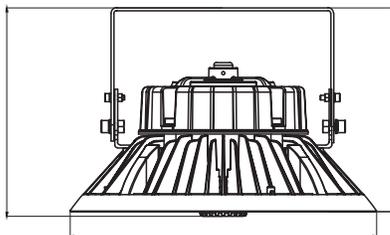
Ø295 mm Ø11-5/8"



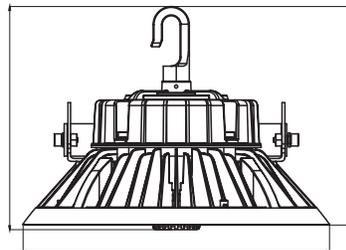
Ø295 mm Ø11-5/8"

FHUS 200/250 HV

weight: 14.48 lbs



Ø329 mm Ø12-15/16"



Ø329 mm Ø12-15/16"

Trunnion

Hook

Performance Chart

Model	FHUS 060	FHUS 080	FHUS 100	FHUS 120	FHUS 150	FHUS 200	FHUS 250
Watts (W)	60	80	100	120	150	200	250
Lumen (LM) [#]	7,664	11,989	15,219	18,167	23,356	32,264	39,320
Efficacy (LM/W)	134	155	154	153	152	155	155
CRI	>90	70	70	70	70	70	70

Lumen output based on 5000k

Ordering Matrix

Family	Model	Color Temperature		Input Voltage		Lens Beam Angle		Optional Addon
FHUS								
	060	60w	30* 3000K	LV	100-277v	120	120 degree	[blank] none
	080	80w	40 4000K	HV ¹	277-480v	60 ⁴	60 degree	EM Emergency backup
	100	100w	50 5000K					CM Conduit (NPT 3/4) pendant mount kit
	120	120w	57* 5700K					RF 90 degree prismatic reflector
	150	150w						CV ² Prismatic drop lens w/clamp band
	200	200w						DH ³ Daylight harvesting control
	250	250w						

¹ 100w/120/150/200/250w only
² require reflector, can only affix one accessory to a reflector.
³ require conduit pendant mount kit
⁴ extra cost may apply



PacLights, LLC

PacLights.com

800.988.6386

CustomerService@PacLights.com
 Sales@PacLights.com

Printed in U.S.A.

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