The

FHMA™
Series

High Performance
LED High Mast Light

FHMA™

high performance
LED High Mast Light

UL LISTED · **DLC LISTED PREMIUM** · **0-10V DIMMING** · **CONTROLS COMPATIBLE** · **SECONDARY SURGE PROTECTOR**

PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____

KEY FEATURES

100,000-Hour LED lifespan
0-10V dimming standard on all models
8-level **lumen adjustable** on selected models
ANSI C136.41 (7 pin NEMA) receptacle included
Standard **secondary 20kA surge protector**

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed
Suitable for wet locations

IESNA LM79 & LM-80 Testing
Paclights LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

DLC Qualification
Selected models of this product are on the Design Lights Consortium (DLC) Qualified Products List and are eligible for rebates from DLC Member Utilities. To view our DLC qualified products, please consult the DLC Qualified Products List at www.design-lights.org/qpl

LED CHARACTERISTICS

LEDS
Long-life, high-efficacy, surface-mount LEDs

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

Color Rendering Index
>70

Beam Angle
Type V; 155°

Color Uniformity
PacLights' range of Correlated Color Temperature follows the guidelines of the American National Standard for Specications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

ELECTRICAL

Drivers
0-10V Dimmable; Input Voltage: 100-277V (UV models), 50-60 Hz; or 277-480V (HV models), 50-60 Hz. Power Factor > 0.9; THD <15%

Surge Protection
10kA(driver) + 20kA(secondary)

Control Receptacle
ANSI C136.41 (7 pin or 3 pin NEMA) controls compatible

CONSTRUCTION

IP Rating
IP 66 Rated

Ambient Temperature
Suitable for up to 50° C (122° F) ambient temperature

Cold Weather Starting
The minimum starting temperature is -40 F°/-40° C

Housing
Die-cast aluminum housing

Gaskets
Silicon Gaskets

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

Mounting Methods
Fits most standard arms. 4-Bolt mount bracket supplied fits 1-1/4" nominal pipe (1.50" OD) or 2" nominal pipe (2.375" OD). Fixture can be tilted at the angles of up to 5°. The optical assembly can be rotated at the angles of ±165°.

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

Lens
Polycarbonate

Vibration Testing
Vibration tested to 3g level per ANSI C136.31-2018

OTHER

5-Year Limited Warranty**
The PacLights 5-year, limited warranty covers light output, driver performance and paint finish.

**PacLights's warranty is subject to all terms and conditions found at paclights.com/warranty

FHMA™

PERFORMANCE

FHMA™ 200

200W	4000K Neutral	5000K Daylight	5700K Cool white
LUMENS	28,400	28,600	28,800
LM/W	142	143	144

FHMA™ 300

300W	4000K Neutral	5000K Daylight	5700K Cool white
LUMENS	42,600	42,900	43,200
LM/W	142	143	144

FHMA™ 450

450W	4000K Neutral	5000K Daylight	5700K Cool white
LUMENS	63,900	64,350	64,800
LM/W	142	143	144

FHMA™ 500

500W	4000K Neutral	5000K Daylight	5700K Cool white
LUMENS	74,279	74,438	74,597
LM/W	142	143	144

FHMA™ 600

600W	4000K Neutral	5000K Daylight	5700K Cool white
LUMENS	83,400	83,580	83,760
LM/W	139	139	139

FHMA™ 750

750W	4000K Neutral	5000K Daylight	5700K Cool white
LUMENS	106,369	106,458	106,545
LM/W	139	139	139

ORDERING INFORMATION

FHMA™

Family	Model	Input Voltage	Color Temp	Options
FHMA	—	—	—	—

Model	Input Voltage	Color Temp	Options
200 200w	**UV** 100-277v	**2700** [1] 2700K	**GS** glare shield
300 300w	**HV** 277-480v	**3000** [1] 3000K	**TLP** photocell control
450 400w		**4000** 4000K	**DLH** photocell + daylight harvesting control
500 500w		**5000** 5000K	**DLM** photocell + daylight harvesting + midnight dimming control
600 600w		**5700** [1] 5700K	
750 750w			

Note 1) available for special order

OPTIONS

CONTROLS

PacLights advanced electronic **SE-TLP Series** Photocontrol provides a unique, durable, and multi-volt control especially designed for 15 years of operation. It utilises inter-locking base/cap design for excellent environmental housing. High temperature base material, along with a UV stabilised, opaque housing ensure our control will last years without degradation. PacLights uses a process of IR filtering a phototransistor which in turn gives a human eye response along with long-term, drift free light sensing for the life of the control.

- Multi-volt operation
- Daylight harvesting models
- Mid-Night dimming models
- High-temperature components
- MOV surge protection
- Meets or exceeds ANSI C136.10

for detail refer to **SE-TLP Series** specification
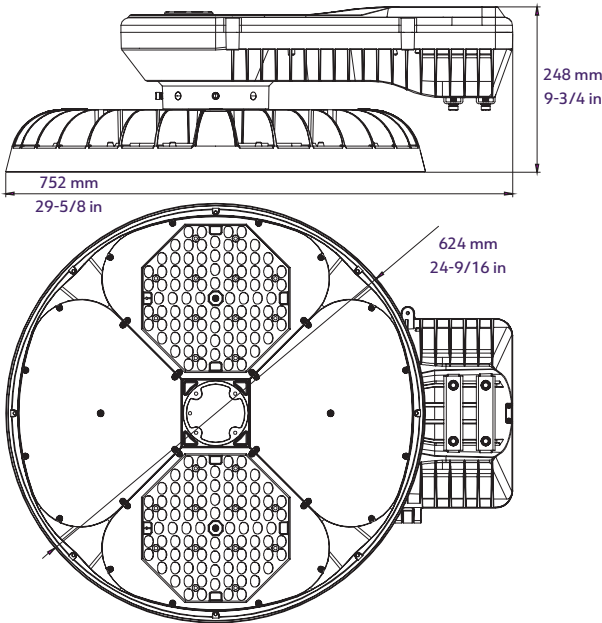
GLARE SHIELD

With many ports, railroads and highways located near residential, tourist and conservation areas, facilities must be able to install lighting systems that avoid un-wanted illumination onto adjacent properties. PacLights engineered optical systems include glare shield that control light and distribute it on the task at hand to limit light trespass. This allows facilities to install luminaires and poles where they are needed for maximum effectiveness.
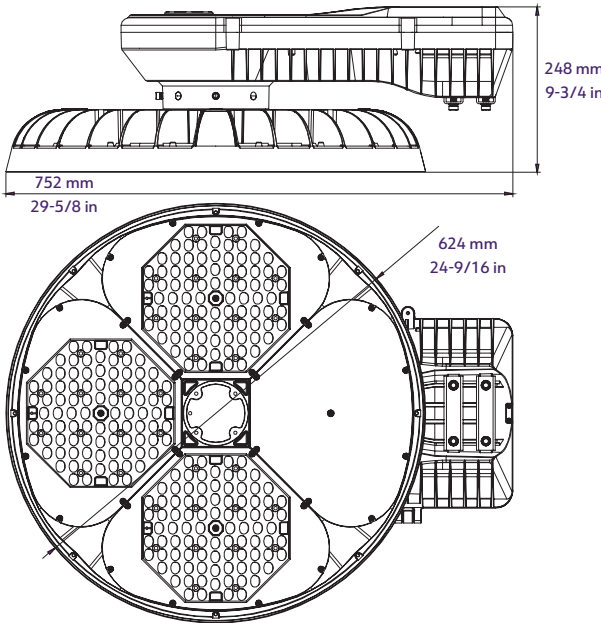
AC-HMS-GS
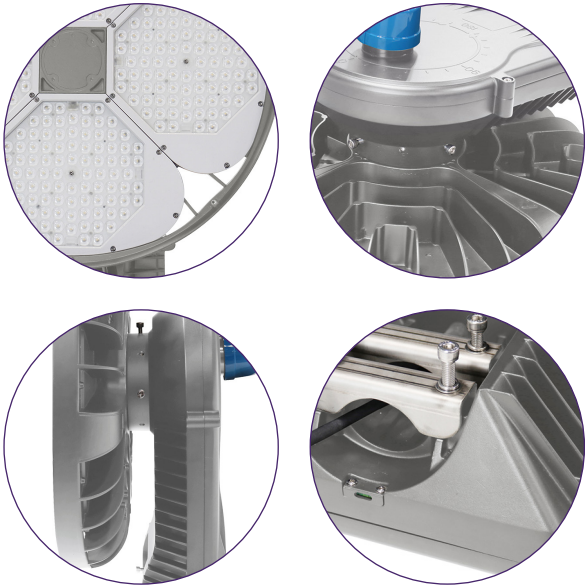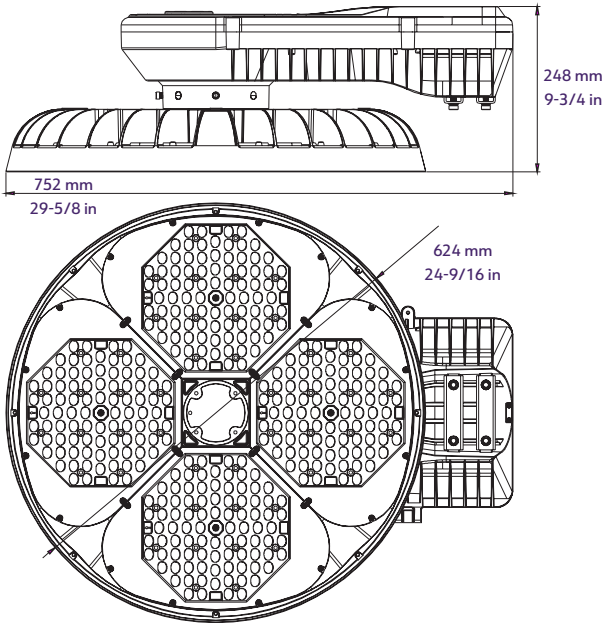glare shield

FHMA™

DIMENSIONS

FHMA-200/300

Weight 54 lbs
EPA 1.49

248 mm
9-3/4 in

752 mm
29-5/8 in

624 mm
24-9/16 in

FHMA-450/500

Weight 62 lbs
EPA 1.49

248 mm
9-3/4 in

752 mm
29-5/8 in

624 mm
24-9/16 in

FHMA-600/750

Weight 70 lbs
EPA 1.49

248 mm
9-3/4 in

752 mm
29-5/8 in

624 mm
24-9/16 in

FINISHES	
all models	Roadway Gray

LIGHT MODULES	
FHMA-200/300	2
FHMA-450/500	3
FHMA-600/750	4

Need help? Tech help line: **(800) 988-6386** Email: **cs@PacLights.com** Website: **www.PacLights.com**

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