



High Mast & Area LED Floodlight



Application

High Mast and Area LED Floodlight systems provide a needed LED solution for airports of all sizes looking to upgrade their illuminated apron, cargo and hard stand areas to improve airfield security, safety and operations sustainability

Key Features

- Rugged die cast aluminum alloy housing
- Easy Installation and Operation
- Weather-resistant Powder Coat to resist corrosion
- Marine grade stainless steel captive screws
- Enhances airfield productivity, safety and security
- Meets maximum total harmonic distortion (THD) of 20% and is ROHS compliant
- Prismatic borosilicate glass optics for optimal performance and durability
- 5-year limited warranty

Light Source

- LED module electronic driver expected life of 100,000 hours
- Extreme surge protection meets 20KV/10KA rating
- Chip board with color options of 3000K,4000K,5000K
- Zero uplight optics. Meets Dark Sky requirements

Power Source

- Onboard device allows manual adjustment of the light output and input wattage to meet site specifications
- Control options include long-life DLL or DSNP7 controls from DTL or a hardened, embedded Nyx Hemera wireless network control system
- IP66 rated LED modules

Specifications

Area Lighting

The luminaire has an area narrow and area wide distribution to maximize pole spacing while meeting the required foot-candle level and uniformity for the application. Performance packages range up to 86,000 lumens designed to meet critical levels for "high task" areas in Ports, Rail Yards, Industrial, and Correctional facilities. The fully prismatic glass optics produce an overlapping light pattern resulting in high application efficacy providing excellent uniformity and glare control resulting in excellent visibility within the space.

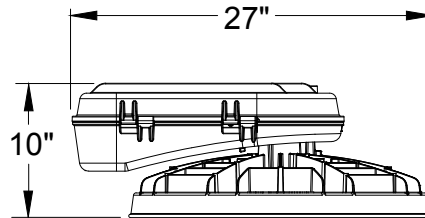
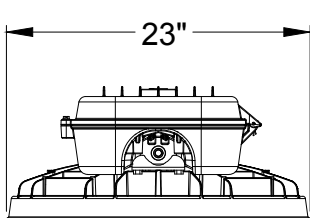
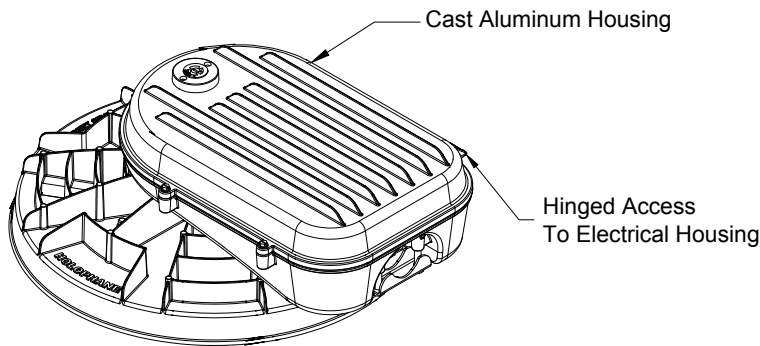
Energy Savings

Energy Savings	65%
Maintenance Savings	60%
Service Life	>20 Years
Payback	3-4 Years

Design Flexibility

	AN	Area Narrow
	AW	Area Wide
	AWS	Area Wide Square

Dimensional Data



Weight = 68 lbs. max (See Table on Page 6 for Details)
 EPA of Fixture = 1.30 sq. ft.
 EPA of Fixture with Shield = 3.11 sq. ft.
 UL1598, 50°C, Wet location P1, P2, P3, P4, P5
 UL1598, 40°C, Wet location P6
 UL1598, 30°C, Wet location P7



Specifications

Ordering Information

Series	Performance Package	Color Temperature	Voltage	Housing Color
HMLED4	P1 31,000 Lumens	30K 3000K CCT	MVOLT 120-277V	HAS As Specified
	P2 42,000 Lumens	40K 4000K CCT	HVOLT 347-480V	HGR Gray
	P3 63,000 Lumens	50K 5000K CCTs	XVOLT 277-480V	HGH Graphite
	P4 85,000 Lumens		with enhanced power quality protection	HBK Black
	P5 105,000 Lumens			HBZ Bronze
	P6 112,000 Lumens			HWH White
	P7 120,000 Lumens			

Optical

LN	Long and Narrow
MAS	Medium, Asymmetric
MAW	Medium, Asymmetric Wide
NAS	Narrow, Asymmetric
FTA	Forward Throw, Asymmetric
AN	Area Narrow
AW	Area Wide
AWS	Area Wide Square

Options

AO	Field Adjustable Output
SFD	Single Fuse Disconnect
DFD	Double Fuse Disconnect
PR3	3 Pin NEMA Receptacle
PR7	7 Pin NEMA Receptacle
PCLL	DTL DLL Photocontrol for 120-277V
PCL3	DTL DLL Photocontrol for 347V
PCL4	DTL DLL Photocontrol for 480V
SH	Shorting Cap
ICMNYX	Integrated Nyx Hemera Control
DALI	DALI driver option, consult factory

Example: HMLED4 P4 40K HVOLT HGR AW PR7

Accessories: Order as separate catalog number.

HMLED1FUS10R	Single Fuse Accessory
HMLED2FUS10R	Double Fuse Accessory
HMLED4D90 90	Degree Shield
HMLED4D120 120	Degree Shield
HMLED4D180 180	Degree Shield