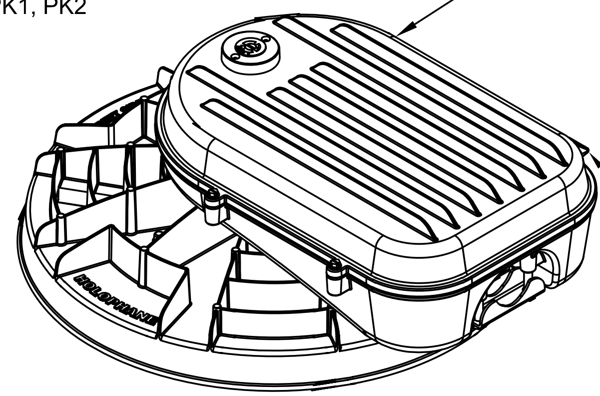
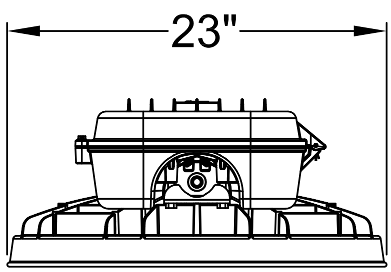
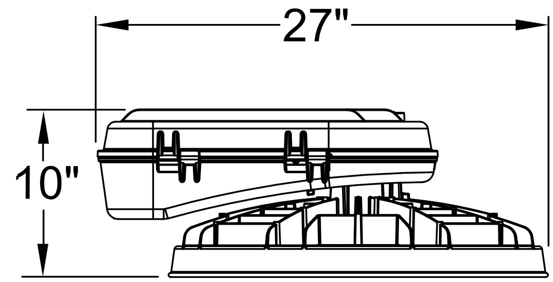
Weight = 52lbs
EPA =1.30 sq. ft
UL1598, 40C, Wet location PK3, PK4
UL1598, 50C, Wet location PK1, PK2

HMLED3 PK3 40K MVOLT G M AO







HMLED3™
LED High Mast Lighting

Infrastructure
Specialty

HOLOPHANE®
LEADER IN LIGHTING SOLUTIONS
An AcuityBrandsCompany

ORDERING INFORMATION:

HMLED3 PK3 40K MVOLT G M AO

Series
- HMLED3

Number of LED Modules
- PK1 = 31,000 Lumens
- PK2 = 42,000 Lumens
- PK3 = 63,000 Lumens
- PK4 = 85,000 Lumens

Color Temperature
- 30K = 3,000K CCT +/-250K
- 40K = 4,000K CCT +/-250K
- 50K = 5,000K CCT +/-250K

Voltage
- MVOLT = Auto-Sensing Voltage (120 - 277 V)
- HVOLT = Auto-Sensing Voltage (347 - 480 V)

Housing Color
- A = As Specified
- G = Gray
- H = Graphite
- K = Black
- Z = Bronze
- W =White

Optical
- LN= Long and Narrow
- M = Medium, Asymmetric
- N= Narrow, Asymmetric
- F = Forward Throw, Asymmetric
- AN = Area Narrow
- AW = Area Wide

Options
- AO = Field Adjustable Output
- DM = 0-10v Dimming
- FD1 = Single Fusible Disconnect
- FD2 = Double Fusible Disconnect
- P3 = 3 Pin NEMA Receptacle
- P7 = 7 Pin NEMA Receptacle
- PCSS = DTL Solid-State Lighting Photocontol 120-277V
- PCL1 = DTL DLL Photocontrol for 120-277V
- PCL3 = DTL Twist-off Photocontrol for 347V
- PCL4 = DTL Twist-off Photocontrol for 480V
- PSC = Shorting Cap
- 50C = PK3 Only. Drive current reduced to provide 95% light output with surge rating 10 kV/5kA for this option only.

Accessories
- F1 = Single Fusing Accessory
- F2 = Double Fusing Accessory
- HMLED3D90 = 90 Degree Shield
- HMLED3D120 = 120 Degree Shield
- HMLED3D180 = 180 Degree Shield

ORDER #:
TYPE:
DRAWN: BGW
DATE: 7/19/17
DWG #: LUM_HMLED3

Specifications

General Constructlon

Rugged die cast, low copper content aluminum 380 alloy electrical and optical housing are polyester powder coated with super durable paint for durability and corrosion resistance. Rigorous pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 5,000 hours exposure to salt fog chamber (per ASTM B117). Four bolt horizontal arm mount with +/- 5 degree vertical adjustment provides 3G vibration rating per ANSI C136. Mast arm mount is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8"). Two captive bolts disengage top electrical cover for easy access to LED drivers, surge protection, and terminal block. IP66 rated LED modules, IP65 electrical assembly per IEC60068-2-3. Luminaire electrical and optical housing ship complete in one carton facilitating installation and minimizing carton disposal at jobsite.

Electrical

Quick disconnect connectors for ease of installation and maintenance. Extreme surge protection meets 20KV/10KA per ANSI/IEEEC62.41. Driver meets maximum total harmonic distortion (THD) of 20% and is ROHS compliant. A three stage terminal block is standard for ease of installation. Minimum operating temperature is -40C. Electronic driver has an expected life of 100,000 hours at 25C.

	Input Operating Amps					
	120V	208V	240V	277V	347V	480V
PK1	1.77	1.01	0.90	0.79	0.62	0.45
PK2	2.69	1.54	1.34	1.13	0.94	0.68
PK3	3.99	2.28	1.99	1.73	1.40	1.01
PK4	5.29	3.05	2.62	2.29	1.85	1.33

Optical

PCB mounted LED technology comprised of multi-cluster LED's on single metal core board, Color temperature options of 3000K, 4000K and 5000K with CRI of 70 minimum. Borosilicate prismatic glass optics ensure longevity and minimize dirt depreciation. Zero uplight optics reduce sky glow and meets Dark Sky requirements. Prismatic glass optics provide overlapping pattern on application space eliminating dark spots. Prismatic glass optics minimize direct view of LED, reducing glare. Rotatable optic assembly provides alignment of asymmetric distributions to roadway.

Controls (Optional)

Controls options include the **P3 and P7** locking style photocontrol receptacles. The P7 receptacle option is factory pre-wired to dimming leads of drivers.

PCSS - Premium solid state locking style photocontrol (10 year rated life)

PCL1 - Extreme long life solid state locking-style photocontrol (20 year rated life)

Field Adjustable Output (AO) module - An onboard device that adjusts the light output and input wattage to meet site specific requirements, allowing a single fixture configuration to be flexibly applied in many different applications. The AO module is pre-set at the factory to position number 8.

Testing Compliance

See Holophane HMAO-LED Validation Test Specification - Luminaire conforms to following standards: ANSI/IEEE C62.41:2002 - Surge protection. ANSI C82.77:2002 - Harmonic distortion. ANSIC136.31:2001- Luminaire vibration. ASTM B 117:2003 - Salt spray test. FCC title 47 CFR Part 18 - Federal Communications Commission. IEC 60068 - Environmental testing. IEC 60529:1999 - Degrees of protection provided by enclosure (IP)IEC 61000 - Electromagnetic Compatibility testing (EMC). IEEE 519 - Harmonic control in Electrical Power systems. UL-1598, 40C, Wet Location - Safety listing.

Manufacturlng

Manufactured in Crawfordsville, Indiana. ARRA compliant. Test 100% electrical of all luminaires before shipment. No less than five (5) years experience in manufacturing LED- based products.

Warranty

Five Year Limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note

Actual performance may differ as a result of end-user environment and application.
Actual wattage may differ by +/- 8% when operating between 120-480V +/-10%.
Specifications subject to change without notice.

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HMAO LED III	Distribution	Lumens 4000K	Input Watts	LPW
PK1	LN	32,718	209	157
	N	30,114	209	144
	M	30,095	209	144
	F	27,138	209	130
	AN	32,836	209	157
	AW	31,700	209	152
PK2	LN	46,349	319	145
	N	42,662	319	134
	M	42,635	319	134
	F	38,445	319	121
	AN	46,517	319	146
	AW	44,908	319	141
PK3	LN	66,820	475	141
	N	61,503	475	129
	M	61,464	475	129
	F	55,424	475	117
	AN	67,061	475	141
	AW	64,741	475	136
PK4	LN	85,840	627	137
	N	79,010	627	126
	M	78,960	627	126
	F	71,200	627	114
	AN	86,150	627	137
	AW	83,170	627	133
30K lumens =.95 40K				

AO Module		
AO setting	Lumens %	Wattage %
8	100%	100%
7	100%	100%
6	100%	100%
5	88%	85%
4	80%	75%
3	67%	61%
2	57%	49%
1	41%	34%

LAT				
0C	15C	25C	35C	40C
1.05	1.02	1.00	0.98	0.97

LLD				
L70	PK1	PK2	PK3	PK4
25,000 hours	0.96	0.95	0.94	0.95
50,000 hours	0.92	0.90	0.90	0.91
75,000 hours	0.88	0.85	0.86	0.87
100,000 hours	0.84	0.81	0.82	0.82

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