



HMLLED3™

LED High Mast Lighting

Infrastructure
Specialty

An **acuity** Brands Company
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HMLED3			
Series	Number of LED Modules	Color Temperature	Voltage
HMLED3	PK1 = 31,000 Lumens PK2 = 42,000 Lumens PK3 = 63,000 Lumens PK4 = 85,000 Lumens	30K = 3,000K CCT +/-250K 40K = 4,000K CCT +/-250K 50K = 5,000K CCT +/-250K	MVOLT = Auto-Sensing Voltage (120 - 277 V) HVOLT = Auto-Sensing Voltage (347 - 480 V)
Housing Color	Optical	Options	Accessories
A = As Specified G = Gray H = Graphite K = Black Z = Bronze W =White	LN= Long and Narrow M = Medium, Asymmetric N= Narrow, Asymmetric F = Forward Throw, Asymmetric AN = Area Narrow AW = Area Wide	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 Photocontrol 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 = PK2/PK3 Only. Drive current reduced to provide 95% light output with surge rating 10 kV/5kA for this option only.	HMLEDF1FUS10R= Single Fusing HMLEDF2FUS10R= Double Fusing HMLED3D90 = 90 Degree Shield HMLED3D120 = 120 Degree Shield HMLED3D180 = 180 Degree Shield

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ORDER #:
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DATE: 10/2/18
DWG #: LUM_HMLED3

Specifications

General Construction

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/IEEE C62.41. 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. DesignLights ConsortiumR (DLC) qualified product.

Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at

www.designlights.org/QPL to confirm which versions are qualified.

Manufacturing

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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