

DESCRIPTION

The EPIC Collection combines custom luminaire flexibility with high quality construction. Through a modular design, the EPIC Collection can be dressed to suit any application. Recognizing evolving environmental and legislative trends, EPIC Collection delivers world-class LED optical and performance solutions to the decorative luminaire marketplace.

| | | |
|--------------------|--|-------------|
| Catalog # | | Type |
| Project | | |
| Comments | | Date |
| Prepared by | | |

SPECIFICATION FEATURES

Construction

TOP: Cast aluminum classical top housing maintains a nominal 1/8" sidewall thickness. Top attaches to cast aluminum mounting arm hub with four (4) stainless steel fasteners. One-piece silicone gasket between mounting hub and top casting seals out moisture and contaminants. **MIDSECTION:** Continuous silicone gaskets seal lens to top casting and shade. The following mid-section options feature cast aluminum construction and stainless steel assembly hardware: **SO Solid Rings.** **SHADES:** Heavy gauge precision spun aluminum shades offer superior surface finish and consistency in form. **DOORFRAME:** Die-cast aluminum 1/8" thick door and door frame seal to underside of shade with a thick wall continuous silicone gasket. Mounting hub ships attached to mounting arm.

Optics

DISTRIBUTION: Choice of twelve (12) patented, high efficiency AccuLED Optics™, that maximize

light collection and direction distribution onto the application region. Each optical lens is precision-manufactured via injection-molding, then precisely arranged and sealed on the board media. **LEDs:** High output LEDs, 50,000+ hours life at >70% lumen maintenance, offered standard in 4000°K (+/-275K) CCT and nominal 70 CRI.

Electrical

ELECTRICAL TRAY: Driver and related electrical componentry are mounted to one piece tray. Quick disconnect wiring plugs allows for tray removal during routine maintenance. **DRIVER:** LED drivers are potted and heat sunk for optimal performance and prolonged life. Standard drivers feature electronic universal voltage (120-277V/50-60hz), > 0.9 power factor, less than 20% harmonic distortion and feature ambient temperature range of +40°C (104°F) down to minimum starting temperature of -30°C (-22°F). Shipped standard with Cooper Lighting proprietary circuit

module designed to withstand 10kV of transient line surge. All LED LightBARs™ and drivers are mounted to dedicated mounting trays and are easily replaced by use of quick disconnects for ease of wiring. Options to control light levels, energy savings and egress capabilities (separate circuit) are available.

Finish

Housing is finished in 5-stage Super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. LightBAR™ cover plates are standard white and may be specified to match finish of luminaire housing. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult Outdoor Architectural Colors brochure for a complete selection.

Warranty

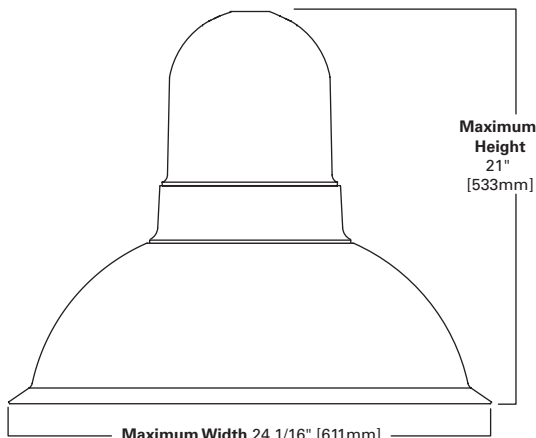
EMM LED features a five-year limited warranty.



**EMM EPIC
MODERN MEDIUM
LED**

1 - 4 LightBARs
Solid State LED

DECORATIVE AREA



NOTE: See configurations for more detailed information.

CERTIFICATION DATA

UL/cUL Listed
ISO 9001
IP66 LightBARs
ARRA Compliant
LM79 / LM80 Compliant
3.5 G Vibration Tested

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60hz, 347V/60hz,
480V/60hz
-30°C Minimum Temperature
40°C Ambient Temperature Rating

EPA

Effective Projected Area: (Sq. Ft.)
0.94

SHIPPING DATA

Approximate Net Weight:
45 lbs.



POWER AND LUMENS BY BAR COUNT

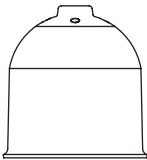
| Number of LightBARs | DISTRIBUTION | | | | | | | | | | | | | |
|------------------------|---------------|--------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| | Power [Watts] | Current @ 120V [A] | Current @ 277V [A] | T2 | T3 | T4 | SL2 | SL3 | SL4 | 5MQ | 5WQ | 5XQ | RW | SLR/SLL |
| 7 LED LIGHTBAR | | | | | | | | | | | | | | |
| C01 | 27 | 0.23 | 0.13 | 1,873 | 1,866 | 1,817 | 1,836 | 1,756 | 1,807 | 1,937 | 1,907 | 1,911 | 1,847 | 1,704 |
| C02 | 54 | 0.46 | 0.21 | 3,716 | 3,701 | 3,605 | 3,642 | 3,485 | 3,585 | 3,843 | 3,783 | 3,792 | 3,665 | 3,380 |
| C03 | 77 | 0.65 | 0.29 | 5,475 | 5,453 | 5,311 | 5,366 | 5,134 | 5,282 | 5,661 | 5,573 | 5,586 | 5,399 | 4,980 |
| C04 | 101 | 0.86 | 0.37 | 7,282 | 7,253 | 7,064 | 7,137 | 6,829 | 7,026 | 7,530 | 7,413 | 7,430 | 7,181 | 6,624 |
| 21 LED LIGHTBAR | | | | | | | | | | | | | | |
| B01 | 27 | 0.23 | 0.13 | 2,304 | 2,295 | 2,235 | 2,258 | 2,160 | 2,223 | 2,382 | 2,345 | 2,351 | 2,272 | 2,096 |
| B02 | 51 | 0.43 | 0.20 | 4,571 | 4,553 | 4,434 | 4,480 | 4,286 | 4,410 | 4,726 | 4,653 | 4,664 | 4,508 | 4,158 |
| B03 | 73 | 0.62 | 0.28 | 6,734 | 6,707 | 6,533 | 6,600 | 6,315 | 6,497 | 6,963 | 6,855 | 6,871 | 6,641 | 6,125 |
| B04 | 95 | 0.81 | 0.35 | 8,957 | 8,921 | 8,689 | 8,779 | 8,399 | 8,642 | 9,262 | 9,118 | 9,139 | 8,833 | 8,148 |

LUMEN MULTIPLIER

| Ambient Temperature | Lumen Multiplier |
|---------------------|------------------|
| 10°C | 1.04 |
| 15°C | 1.03 |
| 25°C | 1.00 |
| 40°C | 0.96 |


PRODUCT CONFIGURATIONS

HOUSING

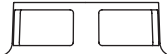


Modern
9.3" H x 8.8" W


MID SECTION




Solid
3.4" H x 9.9" W




Window
3.4" H x 9.9" W



Louvered
3.4" H x 9.9" W

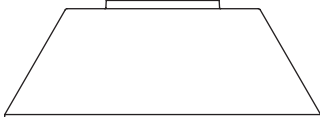


Slot
3.4" H x 9.9" W

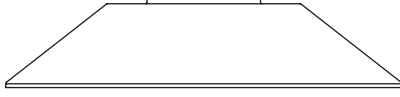


Solid Rings
3.4" H x 12" W

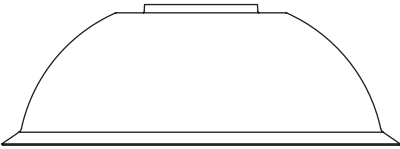
SHADE



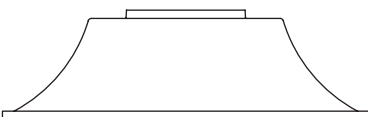
Straight Narrow
6.6" H x 19.1" W



Straight Wide
5.1" H x 23.9" W

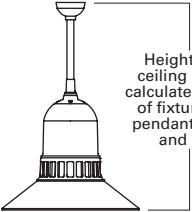


Bell
8" H x 24" W



Flute
6" H x 22.5" W

MOUNTING OPTION



Height from ceiling equals calculated height of fixture plus pendant length and 7/8"

ORDERING INFORMATION

Sample Number: EMM-B04-LED-E1-T2-FL-BK-2L

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|

Product Family ^{1, 2}
EMM=Epic Modern Medium

Number of ^{3, 4}
Lightbars
B01= [1] 21 LED LightBAR
B02= [2] 21 LED LightBARs
B03= [3] 21 LED LightBARs
B04= [4] 21 LED LightBARs
C01= [1] 7 LED LightBARs
C02= [2] 7 LED LightBARs
C03= [3] 7 LED LightBARs
C04= [4] 7 LED LightBARs

Lamp Type
LED: Solid State Light Emitting Diodes

Voltage
E1 - Electronic (120-277V)
347= 347V
480=480V

Distribution
T2=Type II
T3=Type III
T4=Type IV
5MQ=Type V Square Medium
5WQ= Type V Square Wide
5XQ= Type V Square Extra Wide
RW: Rectangular Wide
SL2: Type II w/Spill Control
SL3: Type III w/Spill Control
SL4: Type IV w/Spill Control
SLL: 90 Degree Spill Light Eliminator Left
SLR: 90 Degree Spill Light Eliminator Right

Mid Section Type ⁵
SO=Solid
WN=Window
LV=Louvered
ST=Slot
SR: Solid Rings
Shade Type
SN: Straight Narrow
SW: Straight Wide
BL: Bell
FL: Flute

Finish ⁶
BK=Black
AP=Grey
BZ=Bronze
WH=White
DP: Dark Platinum
GM: Graphite Metallic

Options
2L: Two Circuits⁷
LCF: LightBAR Cover Plate Matches Housing Finish
7060: 70 CRI/6000K CCT⁸
8030: 80 CRI/3000K CCT⁸
MS-LXX: Motion Sensor for on/off⁹ operation
MS/X-LXX: Motion Sensor for ¹⁰ bi-level switching
PM48: Pendant Mount 48" Length¹¹ or Specify Pendant Length Inches (XX)

Accessories ¹²
VA6101-XX=Bishop Wall Mount Arm
VA6102-XX=Bishop Wall Mount Arm w/ Cross Rod
VA6103-XX=Traditional Wall Mount Arm
VA6104-XX: Traditional Wall Mount Arm w/ 45° Strap
VA6105-XX: Bishop Single Pole Mount Arm
VA6106-XX: Bishop Single Pole Mount Arm w/ Cross Rod
VA6107-XX: Bishop Twin Pole Mount Arm
VA6108-XX: Bishop Twin Pole Mount Arm w/ Cross Rods
VA6109-XX: Traditional Single Pole Mount Arm
VA6110-XX: Traditional Single Pole Mount Arm w/ Rounded Upper Bar
VA6111-XX: Traditional Single Pole ¹⁶ Mount Arm w/ Rounded Lower Bar
VA6112-XX: Traditional Single Pole Mount Arm w/ 45 Degree Upper Bar
VA6113-XX: Traditional Single Pole ¹⁶ Mount Arm w/ 45 Degree Lower Bar
VA6114-XX: Traditional Single Pole Mount Arm w/ 45 Degree Upper Strap
VA6116-XX=Traditional Twin Pole Mount Arm
VA6117-XX=Traditional Twin Pole Mount Arm w/ Rounded Upper Bars
VA6118-XX=Traditional Twin Pole Mount¹⁶ Arm w/ Rounded Lower Bars
VA6119-XX=Traditional Twin Pole Mount Arm w/ 45 Degree Upper Bars
VA6120-XX=Traditional Twin Pole Mount¹⁶ Arm w/ 45 Degree Lower Bars
VA6121-XX=Traditional Twin Pole Mount Arm w/ 45 Degree Upper Straps
VA6122-XX=EMM Mast Arm Adapter
OA/RA1016=NEMA Photocontrol - Multi-Tap
OA/RA1027=NEMA Photocontrol - 480V
OA/RA1201=NEMA Photocontrol - 347V
Accessory Options ¹³
V=Victorian Finial¹⁴
M=Modern Finial¹⁴
A=Architectural Finial¹⁴
N=Nostalgic Finial¹⁴
R=NEMA Twistlock Photocell Receptacle¹⁵

- Notes:**
- DesignLights™ Consortium Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
 - Arm not included. Order separately. See accessories.
 - Standard 4000 K CCT and greater than 70 CRI.
 - 21 LED LightBAR powered at 350mA, 7 LED LightBAR powered at 1A.
 - Midsection not illuminated during operation.
 - Custom and RAL color matching available upon request. Consult your customer service representative for further information.
 - Low-level output varies by bar count. Consult factory. Requires quantity two or more LightBARS.
 - Consult customer service for lead times and lumen multiplier.
 - Sensor mounted to the luminaire. Available in B01 - B06 and C01 - C06 configurations. Replace XX with mounting height in feet for proper lens selection, (i.e., MS-L25). Consult factory for additional information.
 - Sensor mounted to luminaire. Available in B02 - B06 and C02 - C06 configurations. Replace X with number of bars operating in low output mode and replace XX with mounting height in feet for proper lens selection, (i.e., MS/3-L25). Maximum 4 bars in low output mode. Consult factory for additional information.
 - PM option must be used with INVUE Pendant Kit only. Includes 48" long pendant pipe, swivel hanger and canopy cover. Other pendant lengths can be specified in inches (XX). Minimum pendant length is 9.5". For lengths above 48", consult Invue Lighting Systems representative.
 - Order separately, replace XX with color suffix.
 - Add as suffix to accessory. Example: VA6109-BK-R.
 - Only available with Traditional arms.
 - Not available with finials, pendant mount (PM48) or bishop wall mounts.
 - Requires use of 4" O.D. round straight pole.