

# STARMED™ M3R LED SERIES



PROJECT: \_\_\_\_\_

TYPE: \_\_\_\_\_

PRODUCT: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_

## PRODUCT FEATURES

- Intended for Patient Rooms, Exam Rooms, Procedure Rooms, Recovery Areas, Skilled Nursing, and more
- Three-compartment 2x4 with Ambient, Exam & Reading functions
- Recessed Grid / Flange installation with universal housing
- Sealed for infection control with IP65 rating per IEC60598
- This product was Made in America and complies with the Buy American Act, and the Build America, Buy America Act



M3R Series

## ORDERING INFORMATION

Example: M3R24-HC/IC-L650-L340-3C-E/A-UN-DMI-LV3



| M3   | R   | 24   |  |   |  |   |
|--|---|--|--|---|--|---|
| Series   | Mounting<br>R = Recessed<br>(Grid/Flange) | Size*<br>24 = 2x4<br><br>*Nominal Size.<br>Dimensional Data<br>on Page 2.  | Housing<br>HC = 20Ga. CRS Painted<br>HS = 20Ga. SS Brushed<br>HP = 20Ga. SS Painted<br>HA = 16Ga. Alum. Painted  | Inset Frame<br>IC = 18Ga. CRS Painted<br>IA = 16Ga. Alum. Painted<br>IB = 18Ga. SS Brushed<br>IS = 18Ga. SS Painted | Exam Lumen Output*<br>L4 = Low<br>L6 = Standard<br>L8 = High<br><br>*Subject to change.<br>Performance data on<br>Page 3.  | Exam Color Temp.<br>35 = 3500K<br>40 = 4000K<br>50 = 5000K                      |
|  |   |  |  |   |  |   |
| Ambient Lumen Output*<br>L2 = Low<br>L3 = Standard<br>L4 = High<br><br>**Subject to change.<br>Performance Data on page<br>3. Ambient Compartment<br>diffused with a white ribbed<br>poly. lens. |   | Ambient Color Temp.<br>35 = 3500K<br>40 = 4000K<br>50 = 5000K<br>TW1 = Tunable White 2700K<br>to 5000K*<br>TW2 = Tunable White 2700K<br>to 6500K*<br><br>*Available for ambient function<br>only. See Page 2 to specify<br>system. | Circuits*<br>3C = 3 Circuits<br><br>*Refers to main<br>compartment<br>circuits. Consult<br>factory for<br>additional options.  | Exam Lens<br>E = .125 White Frosted Poly.<br>F = .125 White Frosted Acrylic   | Ambient/Reading<br>Overlay*<br>A = .125 Clear Acrylic<br>B = .125 Clear Poly.<br><br>*Clear lens overlay for<br>ambient and reading<br>compartments to<br>create surface for easy<br>cleaning. | Voltage<br>12 = 120V<br>27 = 277V<br>34 = 347V<br>UN = Universal<br>(120V-277V) |
|  |   |  |  |   |  |   |
| Driver Type<br>DMI = 0-10V Dimming to 1%<br><br>Tunable White Driver*:<br>DALI8 = 1-Channel<br>TW0 = 2-Channel 0-10V   |   |  | Options<br>FZ1 = Fuse (120V)<br>FZ2 = Fuse (277V)<br>EL1 = Emerg. Bat. LED Low (10W)<br>RF = (RIF) Radio Interference Filter<br><br>TH = Tamper-resistant Torx® head fasteners<br>LN = LED Night Light*<br>LV2 = On/Off Curbell Low Voltage Controller**<br>LV3 = Dimming Curbell Low Voltage Controller***<br><br>*3500K non-dimming Night Light with integrate switch allows light levels at 100%, 70%,40% and 10%.<br>**LV2 controls ambient function without dimming (on/off function only). Exam and Night Light (if specified) are on separate line<br>voltage circuits. Must specify voltage. N/A with emergency battery.<br>***LV3 controls ambient function with dimming. Exam and Night Light (if specified) are on separate line voltage circuits. N/A with<br>emergency battery. |   |  |   |



New Star Lighting  
2225 W Pershing Rd, Chicago, IL 60609  
(773) 847-1400  
www.newstarlighting.com

Specifications and dimensions are subject to change without notice. For additional options and dimensional details, please consult your New Star Lighting representative.

## SPECIFICATIONS

**HOUSING:** 20-Gauge formed cold rolled steel housing with seam welded and ground smooth. Aluminum and stainless steel options available.

**DOORFRAME:** Sealed inset doorframe provides surface for cleanability and IP rating. Doorframe is available in aluminum, stainless steel or cold rolled steel with a clear .125 acrylic or polycarbonate lens. Frame held to housing via aircraft cable.

**LENS:** .125" White frosted polycarbonate or acrylic shields high performing Exam compartment. Ambient compartment shielded by a white ribbed polycarbonate inner lens. Reading light (3500K std) is a patented rotatable frosted polycarbonate lens inside an aluminum frame.

**LED:** Available in three color temperatures 3500K, 4000K, and 5000K with maximum 3-step MacAdam variation allowance. Tunable White also available, from 2700K - 5000K or 2700K - 6500K. Minimum 50,000 hours with 70% lumen maintenance in a 25°C ambient temperature environment, compliant with IES LM-80 testing standards.

**ELECTRICAL:** 120-277VAC or 347VAC 50/60HZ electrical input high power factor electronic, constant current driver (<20% THD, >0.90 PF). Standard 0-10V dimming with 1-100% range for ambient and reading only.

### OPTIONAL TW DRIVERS:

**DALI8** - DALI Type 8 (One DALI Address)

**TW0** - Two Channel 0-10V dimming; one channel for brightness, one channel for CCT"

**LOW VOLTAGE CONTROL:** Two Low Voltage Control (LVC) options; Voltage-specific LV2 controls ambient and reading functions without dimming (on/off function only). LV3 option controls ambient function with dimming, reading is non-dimming (on/off). With either LVC option, Exam and Night Light are on separate line voltage circuits.

**FASTENERS:** Stainless steel Philips flat head fasteners with captive cage nuts. Finish to match housing.

**FINISH:** White antimicrobial powder coat finish following multi-stage iron phosphate pretreatment on all exposed room-side painting surfaces, unless otherwise specified.

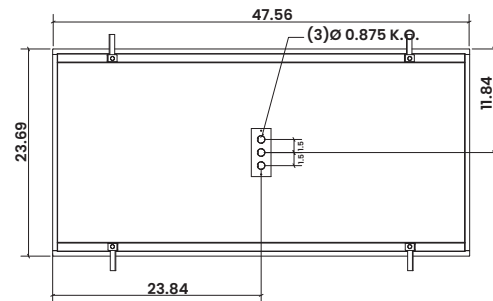
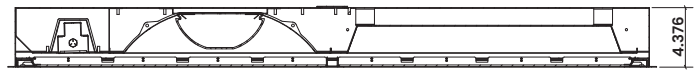
**GASKET:** Closed cell EPDM and closed cell silicone gaskets prevent air contaminations from entering the fixture..

**INSTALLATION:** Universal recessed mounting accommodates Grid and Flange installations. Luminaires will be supplied with adjustable swing arms that can be used for Flange applications or secured to the side of housing for Grid applications. Compatible with 1-1/2" and 15/16" Grid systems. Mounting for custom ceilings available, consult factory.

**WARRANTY:** 5 Year Warranty.

**LABEL:** Fixture is certified to UL standards by Intertek Testing Laboratories. Certified IP65 per IEC60598. This product is Made in America and complies with Buy American Act, and the Build America, Buy America Act.

## DIMENSIONAL DATA



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## PERFORMANCE DATA\*

\*Delivered lumens are subject to change.

| MODEL | FUNCTION | OUTPUT      | COLOR TEMP. | LUMENS DELIVERED | EFFICACY (lm/W) | INPUT POWER (W) |
|-------|----------|-------------|-------------|------------------|-----------------|-----------------|
| M3    | Exam     | L4 = Low    | 4000K       | 5900             | 115             | 50              |
|       |          | L6 = Medium | 4000K       | 8700             | 115             | 80              |
|       |          | L8 = High   | 4000K       | 11700            | 115             | 100             |
|       | Ambient  | L2 = Low    | 4000K       | 2375             | 95              | 25              |
|       |          | L3 = Medium | 4000K       | 3500             | 95              | 37.5            |
|       |          | L4 = High   | 4000K       | 4750             | 95              | 50              |
|       | Reading  | Standard    | 3500K       | 760              | 54              | 15              |



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