STARMED™ M3R LED SERIES

NewStarLighting

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 (BAA), and the Build America, Buy America Act (BABAA)
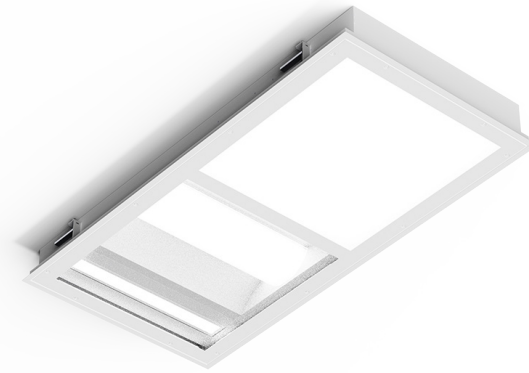
M3R Series

ORDERING INFORMATION

Example: M3R24-HC/IC-L650-L340-3C-E/A-90C-UN-DM1-LV3

M3	R	24				/	
Series	**Mounting** **R** = Recessed (Grid/Flange)	**Size*** **24** = 2x4 *Nominal Size. Dimensional Data on Page 2.	**Housing** **HC** = 20Ga. CRS Painted **HS** = 20Ga. SS Brushed **HP** = 20Ga. SS Painted **HA** = 16Ga. Alum. Painted	**Inset Frame** **IC** = 18Ga. CRS Painted **IA** = 16Ga. Alum. Painted **IB** = 18Ga. SS Brushed **IS** = 18Ga. SS Painted	**Exam Lumen Output*** **L4** = Low **L6** = Standard **L8** = High *Subject to change. Performance data on Page 3.	**Exam Color Temp.** **35** = 3500K **40** = 4000K **50** = 5000K	

				/	90C
Ambient Lumen Output* **L2** = Low **L3** = Standard **L4** = High **Subject to change. Performance Data on page 3. Ambient Compartment diffused with a white ribbed poly. lens.	**Ambient Color Temp.** **35** = 3500K **40** = 4000K **50** = 5000K **TW1** = Tunable White 2700K to 5000K* **TW2** = Tunable White 2700K to 6500K* *Available for ambient function only. See Page 2 to specify system.	**Circuits*** **3C** = 3 Circuits *Refers to main compartment circuits. Consult factory for additional options.	**Exam Lens** **E** = .125 White Frosted Poly. **F** = .125 White Frosted Acrylic	**Ambient/Reading Overlay*** **A** = .125 Clear Acrylic **B** = .125 Clear Poly. *Clear lens overlay for ambient and reading compartments to create surface for easy cleaning.	**CRI** **90C** = 90 CRI

Voltage **12** = 120V **27** = 277V **34** = 347V **UN** = Universal (120V-277V)	**Driver Type** **DM1** = 0-10V Dimming to 1% **Tunable White Driver***: **TWD** = 2-Channel 0-10V DALI8 **DALI8 =** 1-Channel Dali8 *Tunable White Driver requires choice of TW1 or TW2 in Color Temp column.	**Control** **LV3** = Dimming Low Voltage Controller** **LV3 controls ambient function with dimming. Exam and Night Light (if specified) are on separate line voltage circuits. N/A with emergency battery.	**Options** **FZ1** = Fuse (120V) **FZ2** = Fuse (277V) **EL1** = Emerg. Bat. LED Low (10W)*** **RF** = (RIF) Radio Interference Filter* **TH** = Tamper-resistant Torx® head fasteners **LN** = LED Night Light** *N/A with 347V. **3500K non-dimming Night Light with integrate switch allows light levels at 100%, 70%,40% and 10%. ***If stored, batteries should be fully recharged every six months and kept between 0ºC-25ºC to maintain optimal battery capacity.

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

08282025

STARMED™ M3R LED SERIES

New Star Lighting

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 25ºC 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 TUNABLE WHITE 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: The Low Voltage Control (LVC3) option controls ambient function with dimming, and reading is non-dimming (on/off). The Exam and Night Light functions are on separate line voltage circuits. The Exam and Night Light functions are on separate line voltage circuits; the nightlight LED board has (4) settings that are field selectable. The exam is typically wired to a wall switch (by others) and is dimmable. Other configurations are available – consult factory. Leads are factory labeled for field installation. Controls and any additional accessories by others.

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

FINISH: White antimicrobial polyester 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 contaminants 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 (BAA), and the Build America, Buy America Act (BABAA).

DIMENSIONAL DATA
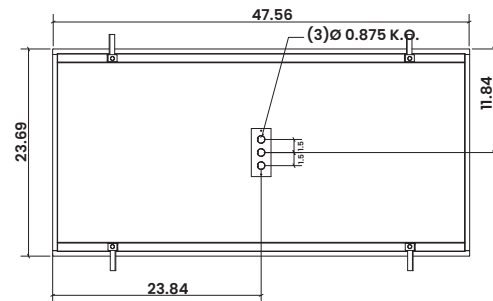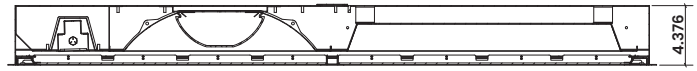
4.376

47.56
(3)Ø 0.875 K.O.
23.69
11.84
23.84

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.

08282025

STARMED™ M3R LED SERIES

NewStarLighting

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

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.

08282025