

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
- Surface, Grid or Flange installation
- Fixture is certified to UL standards by Intertek Testing Laboratory for damp locations
- This product was Made in America and complies with the Buy American Act (BAA), and the Build America, Buy America Act (BABAA)



M3 Series

ORDERING INFORMATION

Example: M3U24-HC/IC-L435-L135-90C-1C-E/A-UN-DM1

| M3 | 24 | / | |
|--------|--|--|---|
| Series | Mounting U = Surface/Grid F = Flange Size* 24 = 2x4 <small>*Nominal Size. Dimensional Data on Page 2.</small> | 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 <small>*Subject to change. Performance data on Page 3.</small> |



| Ambient Lumen Output* | Ambient Color Temp.* | CRI | Circuits | Exam Lens | Ambient/Reading Overlay* |
|--|---|--|---|--|--|
| L1 = Low L2 = Standard L3 = High <small>*Subject to change. Performance Data on page 3. Ambient Compartment diffused with a white ribbed poly. lens.</small> | 35 = 3500K 40 = 4000K 50 = 5000K TW1 = Tunable White 2700K to 5000K** TW2 = Tunable White 2700K to 6500K** <small>*Selected CCT will be the same for both ambient and exam functions. **Available for ambient function only. See Page 2 to specify system.</small> | 80C = 80 CRI 90C = 90 CRI | 1C = 1 Circuit 2C = 2 Circuits 3C = 3 Circuits 4C = 4 Circuits | E = .125 White Frosted Poly. F = .125 White Frosted Acrylic | A = .125 Clear Acrylic B = .125 Clear Poly. <small>*Clear lens overlay for ambient and reading compartments to create surface for easy cleaning.</small> |

| | | |
|---|--|--|
| 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 <small>*Tunable White Driver requires choice of TW1 or TW2 in Color Temp. column.</small> | 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** LV3 = Dimming Low Voltage Controller*** <small>*Not available for 347V Voltage. **Consult factory for CA Title 24 options. If stored, batteries should be fully recharged every six months and kept between 0°C-25°C to maintain optimal battery capacity. ***3500K non-dimming Night Light with integrate switch allows light levels at 100%, 70%, 40% and 10%. ****LV3 controls ambient function with dimming. Exam and Night Light (unless otherwise specified) are on separate line voltage circuits. N/A with emergency battery.</small> |
|---|--|--|



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.

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SPECIFICATIONS

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

DOORFRAME: Inset 18-gauge formed cold rolled steel or stainless steel door frame. Optional 16-gauge aluminum also available.

LENS: .125" White polycarbonate or acrylic lens for maximum light diffusion while maintaining proper exam lumen output.

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.

OPTIONAL TUNABLE WHITE DRIVERS:

DALI8 – DALI Type 8 (One DALI Address)

TWO – 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 Phillips flat head fasteners with captive cage nuts. Finish to match doorframe.

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.

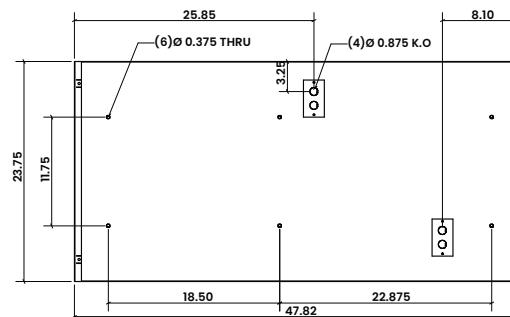
INSTALLATION: Recessed mounting accommodates Grid and Flange installations. Luminaires will be supplied with adjustable swing arms that can be used for Flange applications or secured to the side of housing for Grid applications. Compatible with 1-1/2" and 15/16" Grid systems. Mounting for custom ceilings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

WARRANTY: 5 Year Warranty.

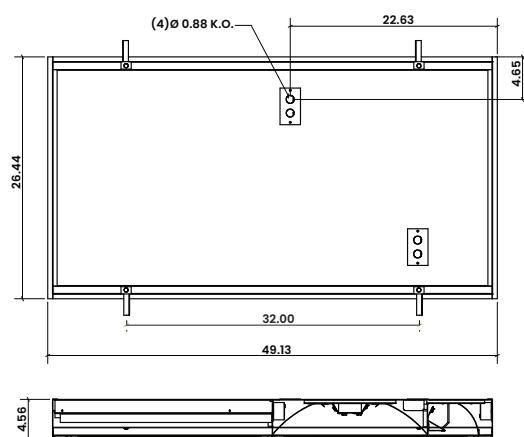
LABEL: Fixture is Damp Location certified to UL standards by Intertek Testing Laboratory. This product is Made in America and complies with Buy American Act (BAA), and the Build America, Buy America Act (BABAA).

DIMENSIONAL DATA

M3U24



M3F24



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PERFORMANCE DATA*

*Delivered lumens are subject to change.

| MODEL | OUTPUT | COLOR TEMP. | LUMENS DELIVERED | EFFICACY (lm/w) | INPUT POWER (W) |
|------------|----------|-------------|------------------|-----------------|-----------------|
| M3 EXAM | Low | 3500K | 6000 | 120 | 50 |
| | | 4000K | 6250 | 125 | 50 |
| | | 5000K | 6500 | 130 | 50 |
| | Standard | 3500K | 8625 | 115 | 75 |
| | | 4000K | 9000 | 120 | 75 |
| | | 5000K | 9375 | 125 | 75 |
| | High | 3500K | 11500 | 115 | 100 |
| | | 4000K | 12000 | 120 | 100 |
| | | 5000K | 12500 | 125 | 100 |
| M3 AMBIENT | Low | 4000K | 1200 | 100 | 12.5 |
| | Standard | 4000K | 2400 | 100 | 25 |
| | High | 4000K | 3600 | 100 | 37.5 |
| M3 READING | Standard | 3000K | 780 | 60 | 13 |



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