

|           |         |         |
|-----------|---------|---------|
| CATALOG # | TYPE    |         |
| JOB NAME  | WATTAGE | VOLTAGE |

# Lighting for Patient Spaces

## "Dead Front" 4" Shower Light

Up to 60,000 Hour Life • Wet Location  
LM-80 Qualified • LM-79 Certified Photometry

### Specifications

#### Delivered System Performance\*

- Lumen Series: **Must Specify**  
-2500L (35W)
- Distribution: MFL standard; optional: -NFL
- Color temperature: 3500°K standard; optional: -27K, -30K, -41K, or -50K
- CRI: 80+ standard; optional: -HC (90+)
- 60,000 hour life (L70)
- Fully sustainable: removable for servicing

#### Thermal Protection: SPECIFY VOLTAGE

- Thermal protector for insulation detection per UL/NEC; must specify input voltage

#### Thermal Management System

- Aluminum heat sink and components for cool operation, long life, and low maintenance

#### LED Driver - INTERNAL

- Indoor/Outdoor: -30°C to 60°C (-22°F to 140°F)
- 0-10V CCR dimming standard (100-10%)
- Voltage Options: **Must Specify**  
-120: -120V (50-60Hz); load insensitive  
-277: -277V (50-60Hz); load insensitive

#### Trim Assembly

- Electrically isolated "dead front" gasketed trim
- Seamless tapered rustproof aluminum; self-flanged with white finish (field paintable)
- Regressed tempered prismatic spread lens

#### Acrylic Enameled Aluminum Housing

- Rustproof: exceeds 1000 hour ASTM 5% salt spray test; all components fully sustainable
- Shallow depth fits restricted plenums
- Cool operation extends component life
- Modular design; visible and fully serviceable through aperture
- Built-in plaster flange

#### Outlet Box (Galvanized)

- UL listed J-box with insulated removable cover; prewired 14 GA (NEC) with ½" and ¾" knockouts

#### Installation & Hardware

- Indoor/outdoor in ceilings up to 1½" thick
- Compatible with fire rated enclosures (by others)

## MRR-04700



- 27" galvanized hanger bars & adjusting brackets (2) supplied

#### UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings
- Through-branch conductors (4 #12 AWG 90°C)

#### IEC & FCC Compliance

- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment
- FCC Part 15 certified for EMI/RFI emissions

#### FIVE YEAR Limited Warranty

- Complete standard fixture



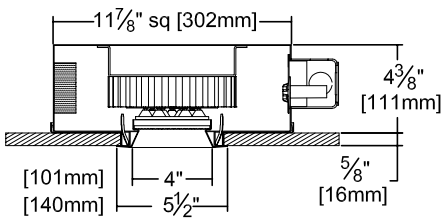
## Options and Ordering Configuration

(Example: MRR-04700-2500L-120-30K-NFL)

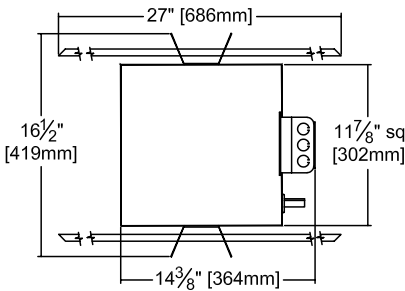
| Must Specify |        |                                                     | Optional                                                                                                                                                                                                                       |                          |                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                       |
|--------------|--------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model        | Lumens | Volts                                               | CCT & CRI                                                                                                                                                                                                                      | Beam                     | Driver Options                                                                                                                        | Lens & Trim Options                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Other Options                                                                                                                                                                         |
| MRR-04700    |        |                                                     |                                                                                                                                                                                                                                |                          |                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                       |
|              | -2500L | -120<br>-277<br>-97: Other voltage; consult factory | (Blank): 35K, 80+ CRI<br><br>80+ CRI<br>-27K: 2700°K<br>-30K: 3000°K<br>-35K: 3500°K<br>-41K: 4000°K<br>-50K: 5000°K<br>90+ CRI<br>-27K-HC: 2700°K<br>-30K-HC: 3000°K<br>-35K-HC: 3500°K<br>-41K-HC: 4000°K<br>-50K-HC: 5000°K | (Blank): MFL<br><br>-NFL | (Blank): Standard 0-10V CCR 10% dim<br><br>-D1: 0-10V 1.0% dim<br>-D2: 0-10V 0.1% dim<br>-D3: DALI 1.0% dim<br>-D4: DALI 100-0.1% dim | (Blank): White trim, regressed prismatic lens<br><br>Trim Finishes<br>-62T: Clear specular trim instead<br>-BG: BioGard™ anti-microbial white<br>-BKBG: BioGard™ anti-microbial black<br>-94: Custom color; consult factory<br>-94BG: BioGard™ anti-microbial custom color finish<br>Other Trim Features<br>-32: White trim extender; specify OD<br>Lens Options<br>-13: .125" clear poly. lens overlay<br>-23: Frosted microprismatic lens<br>-CF: Custom color filter (Rosco); specify<br>-WA: White acrylic (flat) diffuser instead; will produce wide flood distribution | (Blank): None<br><br>Mounting<br>-79: Extension collar; ceilings up to 2" thick<br>Other Options<br>-99: Special modification; consult factory<br>-FS: Fused primary; One per fixture |

\*See note next page

Dimensions



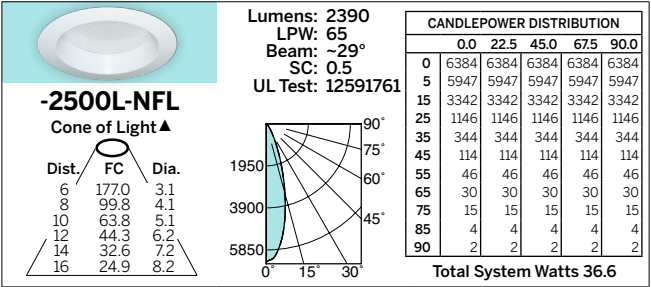
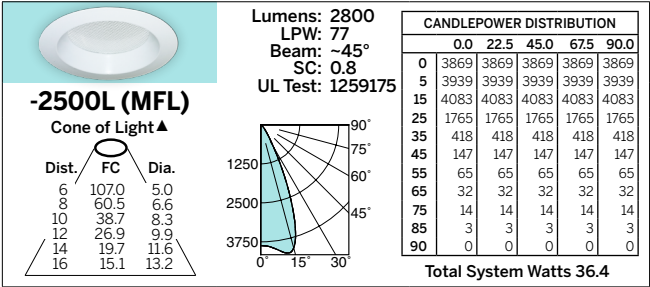
Ceiling Cut-out  
5" Dia.



Photometry - Installed Complete Fixture

Photometry from UL Verification Services, Allentown, PA

LM-79 IESNA Certified Photometry from Independent Lab



\*LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

LIMITED WARRANTY: KIRLIN LIGHTING FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR TWO YEARS FROM DATE OF PURCHASE. INSTALLATION, E.G., IN NORMAL USE. Manufacturer at this option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture to the offices of manufacturer within the warranty period. Liability of manufacturer is limited to the foregoing and manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is supplied to the buyer in place of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.

PATENT SPACES  
NOVEMBER 2024

▲ Cone of Light Key  
Dist. Distance (Ft.) from fixture  
Dia. (in ft.) shown is where FC  
value is half the FC at nadir.  
FC Footcandles at nadir (0°)  
Dia. Circle of light at 50% of FC