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

Lighting for Patient Spaces

Vandal IP65 Sealed & Gasketed 7" LED Downlight

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

MRV-07843



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 Rated 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 and Lens Assembly

- Ligature resistant smooth white seamless tapered aluminum self-flanged rigid cast trim

- Kirlin BioGard™ antimicrobial white finish continuously inhibits growth of bacteria on the coating of the trim
- Flush center pin tamperproof hex screws and captive nuts secure trim to housing; tamperproof tool included
- High strength prismatic acrylic above 1/8" clear flat polycarbonate
- Continuous ring secures lens to trim

IP65 Sealed & Gasketed Trim

- Liquid silicone seals between trim and lens
- O-rings seal stainless fasteners to trim
- Meets ASTM E283 restricted airflow of 2 CFM

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 1/2" and 3/4" knockouts

Installation & Hardware

- Indoor/outdoor in covered locations in ceilings up to 1 1/8" thick
- Compatible with fire rated enclosures (by others)
- 27" galvanized hanger bars & adjustable mounting 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

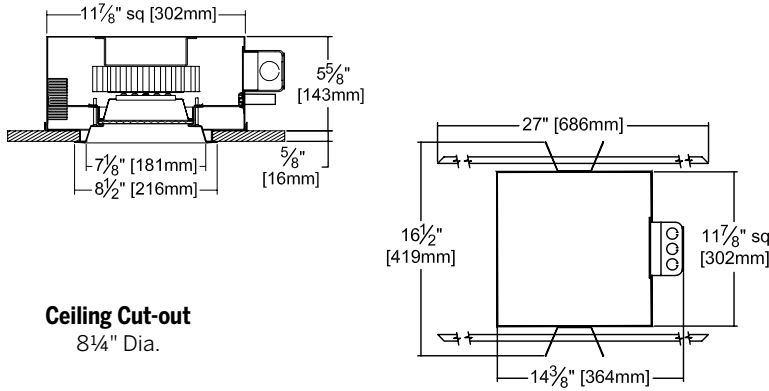
(Example: MRV-07843-2500L-120-30K-NFL)



| Must Specify | | | Optional | | | | | |
|--------------|--------|---|--|-----------------------------|---|--|---|---|
| Model | Lumens | Volts | CCT & CRI | Beam | Driver Options | Emergency | Lens & Trim Options | Other Options |
| MRV-07843 | -2500L | -120 -277 -97: Other voltage; consult factory | (Blank): 35K, 80+ CRI 80+ CRI -27K: 2700°K -30K: 3000°K -35K: 3500°K -41K: 4000°K -50K: 5000°K 90+ CRI -27K-HC: 2700°K -30K-HC: 3000°K -35K-HC: 3500°K -41K-HC: 4000°K -50K-HC: 5000°K | (Blank): MFL -NFL | (Blank): Standard 0-10V CCR 10% dim -D1: 0-10V 1.0% dim -D2: 0-10V 0.1% dim -D3: DALI 1.0% dim -D4: DALI 100-0.1% dim -D5: DMX512A 0.1% dim -ECO: For use with Lutron EcoSystem controls; dims to 1% or consult factory | (Blank): None EM: Internal emergency battery pack; delivers 500 lumens; 90+ minutes -ERH: Remote emergency battery pack; delivers 1000 lumens; 90+ minutes (CEC Compliant) | (Blank): White tamper-resistant trim, dual lens -35T: Silver enamel (complete trim); (non BioGard™) -94: Custom color/finish; specify; (non BioGard™); consult factory -BKBG: BioGard antimicrobial black -94BG: BioGard antimicrobial custom color finish -CF: Custom color filter (Rosco); specify -WA: White acrylic (flat) diffuser above poly instead of prismatic acrylic | (Blank): None Mounting -79: Extension collar; ceilings up to 2" thick Other Options -99: Special modification; consult factory -AWN: Athena Wireless Node; N/A for Dimming Options -D5, -ECO -FS: Fused primary; One per fixture *Note: For other integrated control solutions, such as nLight, contact factory |

*See note next page

Dimensions



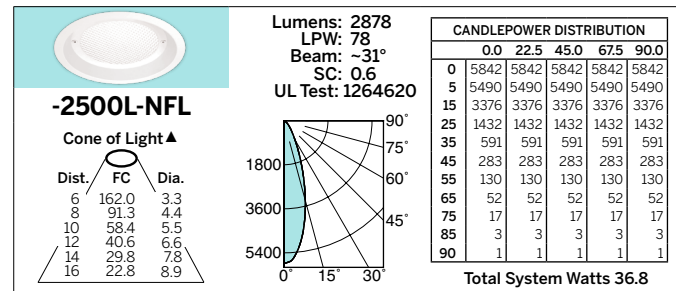
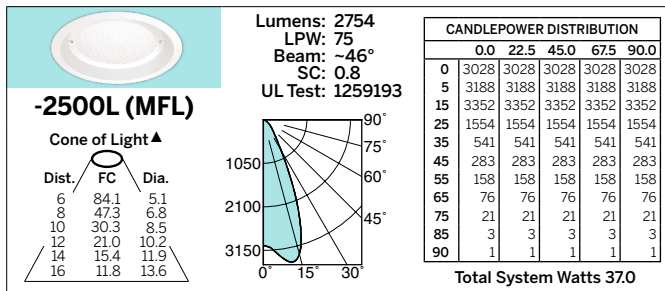
Infection Control Levels

| Level | Option | Patient Safety | Infection Protection |
|-------|----------|-------------------------------|--------------------------------|
| 2+ | Standard | VR Vandal Resistant | BioGard™ IP65 |

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.

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