

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Lighting for Patient Spaces

Sealed & Gasketed 7" Downlight • LED

Wet Location • ISO 5/Class 100 Clean Room (-SH)
LM-80 Qualified • LM-79 Certified Photometry

MRR-07833



Specifications

Delivered System Performance*

- Nominal Lumens: **Must Specify**
- Non-IC**
- 2500L**
- Select trim & beam distribution: see chart
- Select color (CCT): see chart; 80+ CRI standard; Option -HC for 90+ (15% lumen loss)
- 60,000 Hour Rated Life (L70)

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/Lens Assembly

- Rustproof 100% aluminum grooveless trim, smooth, self-flanged white trim
- Kirlin BioGard™ antimicrobial white finish continuously inhibits growth of bacteria on the coating of the trim
- Regressed tempered prismatic spread lens

IP65 Sealed and Gasketed

- Liquid silicone seal between trim and lens
- Closed cell housing flange gasketing seals trim to housing
- Closed cell trim flange gasketing seals flange to sealing
- Closed cell gasketing on bottom pan seals housing to ceiling
- O-rings seal stainless steel fasteners to trim

Acrylic Enameled Aluminum Housing

- Rustproof and corrosion resistant: 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 removable cover. Prewired 14 GA (NEC) with 1/2" and 3/4" knockouts

Installation & Hardware

- Indoor/outdoor in ceilings up to 1 1/8" thick or see Option -79

- Compatible with fire rated enclosures (by others)
- 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

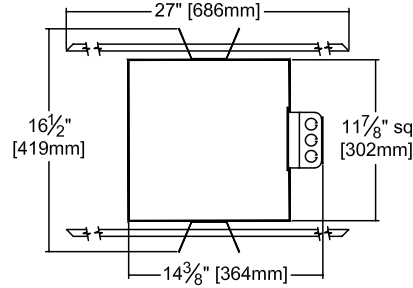
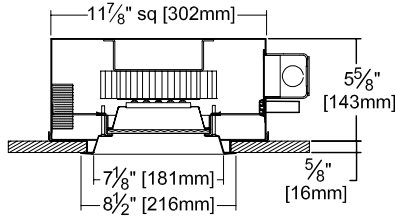
Options and Ordering Configuration

(Example: MRR-07833-2500L-120-30K-MFL-ECO-35T-79)



Must Specify			Optional						
Model	Lumens	Volts	CCT & CRI	Beam	Driver Options	Emergency	Lens & Trim Options	Other Options	
MRR-07833									
	-2500L	-120 -277 -97†: Other voltage	(Blank): 3500K, 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 -MFL	(Blank): Standard 0-10V CCR 1.0% 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% dim -ECO: Digital driver for Lutron EcoSystem controls. Dims to 1% or consult factory	(Blank): None -EM: Internal emergency battery pack; Delivers 500 lumens; CEC Compliant; 90+ minutes -ERH: Remote emergency battery pack; delivers 1000 lumens; CEC Compliant; 90+ minutes	(Blank): Kirlin BioGard antimicrobial white finish trim with lens above Trim Finishes -35T: Silver enamel trim -BKBG: BioGard™ anti-microbial black -94: Custom color; consult factory -94BG: BioGard™ anti-microbial custom color finish Other Trim Features -13: Clear poly lens below lens. Photometric distribution unaffected -17: Prismatic high strength acrylic lens instead -23: Frosted microprismatic lens instead -CF: Custom color filter (Rosco). Specify -GE: Green acrylic filter mounted in lens assembly -NS: NSF approved fixture -WA: White acrylic (flat) diffuser instead; will produce wide flood distribution	(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 -SH: Sealed housing and junction box. Provides Cleanroom Rated luminaire (ISO 5 Class 100) *Note: For other integrated control solutions, such as nLight, contact factory	

Dimensions

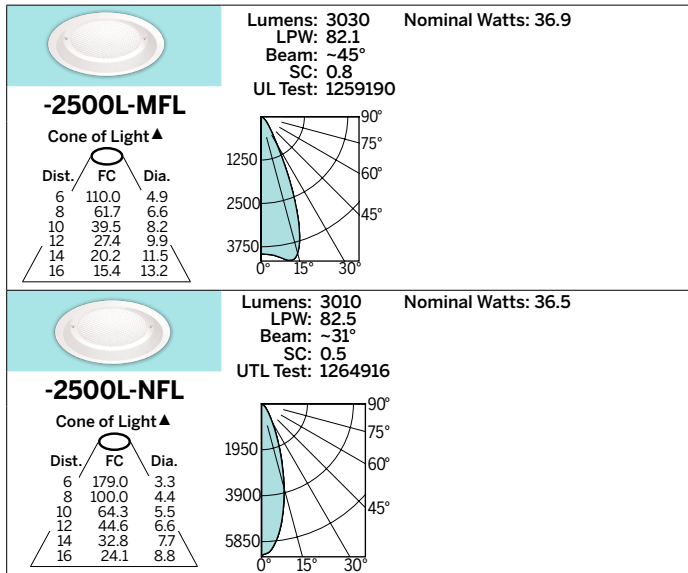


Ceiling Cut-out
8 3/4" Dia.

Photometry - Installed Complete Fixture

Photometry from I.T.L., Boulder, CO

LM-79 IESNA Certified Photometry from Independent Lab



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

Available Infection Control Levels

Level	Option	Infection Protection
2	Standard	BioGard™ IP ₆₅ IP65
3	-SH	BioGard™ IP ₆₅ IP65 ISO 5 / Class 100

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

LIMITED WARRANTY: KIRLIN LIGHTING FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLATION TO N.E.C. 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 at the office of manufacturer within two years of original shipment. 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 applied 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.

PATIENT SPACES
NOVEMBER 2024