

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Lighting for Patient Spaces

Sealed & Gasketed 7" Downlight • LED

Type IC • Wet Location • ISO 5/Class 100 Clean Room (-SH)

LM-80 Qualified • LM-79 Certified Photometry

Specifications

Delivered System Performance*

- Nominal Lumens: **Must Specify**

Type-IC

-2000L

-1500L

- 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
- Compatible with fire rated enclosures (by others)

MRR-07830



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

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings
- Type IC: for direct contact with insulation
- Through-branch conductors (4 #12 AWG 90°C) for Type IC listing

IEC & FCC Compliance

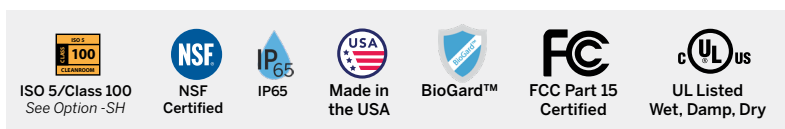
- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment
- FCC Part 15 certified for EMI/RFI emissions

FIVE YEAR Limited Warranty

- Complete standard fixture

Options and Ordering Configuration

(Example: MRR-07830-2000L-277-41K-SPT-35T-SH)



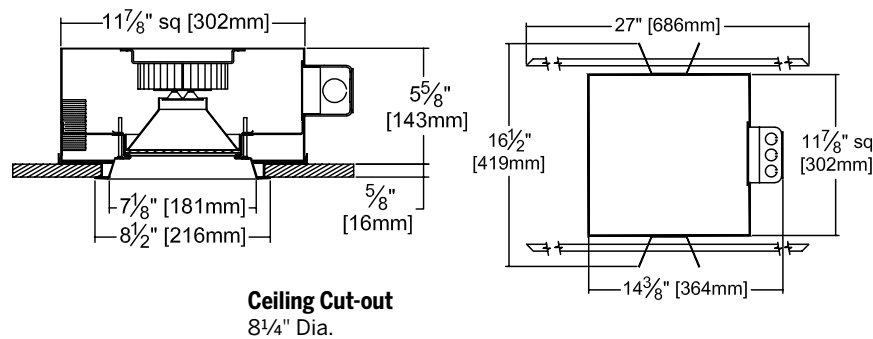
Must Specify			Optional					
Model	Lumens	Volts	CCT & CRI	Beam	Driver Options	Emergency	Lens & Trim Options	Other Options
MRR-07830								
	-2000L -1500L	-120 -277 -97†: Other voltage	(Blank): 3500K, 80+ CRI 80+ CRI -27K: 2700°K -30K: 3000°K -35K: 3500°K -41K: 4000°K -50K: 5000°K 90+ CRI -27K-HC: 2700°K -30K-HC: 3000°K -35K-HC: 3500°K -41K-HC: 4000°K -50K-HC: 5000°K	(Blank): MFL -SPT -NFL -MFL -WFL	(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% dim	(Blank): None -EI: Remote emergency inverter for 100% of rated lumens; 90+ minutes; 120V or 277V, 60Hz input only; specify voltage; N/A for option -FS -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 -94: Custom color; consult factory -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 micropismatic lens instead -CF: Custom color filter (Rosco). Specify -DF: Electrically isolated trim -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 -99: Special modification; consult factory -AWN: Athena Wireless Node; N/A for Dimming Option -D5 -FS: Fused primary; One per fixture; not for use with Option -EI -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

†Consult factory

† Consult factory for use with -2000L lumen series

Dimensions

Performance Factors

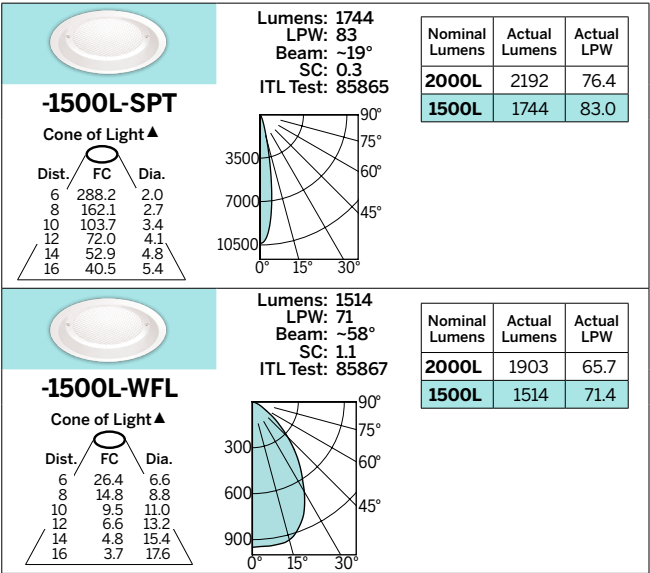
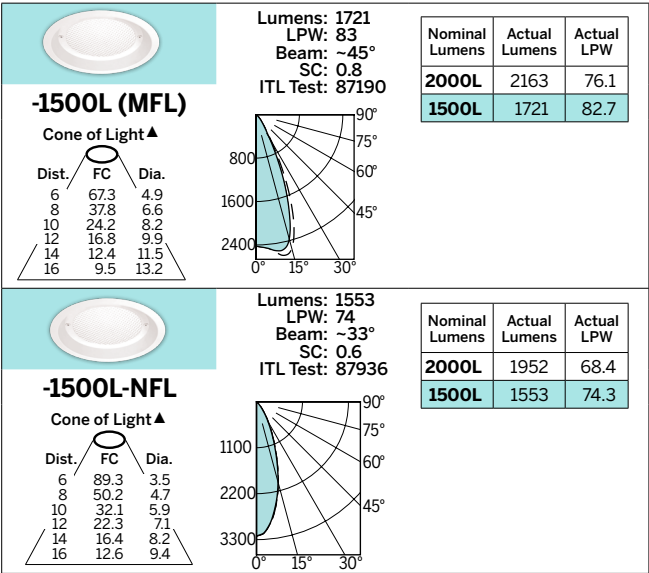


NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-2000L	1.257	28.5	0.92
-1500L	1.00	20.8	1.00

Photometry - Installed Complete Fixture

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

LM-79 IESNA Certified Photometry from Independent Lab



Available Infection Control Levels

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

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

▲ Cone of Light Key
Dist. Distance (Ft.) from fixture
FC Footcandles at nadir (0°)
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 the time of purchase or repair, such as failure or repair, is not warranted. This warranty is not applicable 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