

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Lighting for Patient Spaces

Ligature/Vandal Resistant 7" LED Downlight

Up to 90,000 Hour Life • Type IC • Wet Location • LM-80 Qualified
LM-79 Certified Photometry • ISO/Class 100 Clean Room (-SH)

Specifications

Delivered System Performance*

- Lumen Series: **Must Specify**
 - 2000L (25W)
 - 1500L (20W)
- Distribution: MFL standard; optional: -NFL, -SPT or -WFL
- Color temperature: 3500°K standard; optional: -27K, -30K, -41K or -50K
- CRI: 80+ standard; optional: -HC (90+)
- 90,000 hour life (L70**)
- Fully sustainable: removable for servicing

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 clear 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 Enamelled 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

MRV-07840



- 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
- Type IC: for direct contact with insulation
- Through-branch conductors (4 #12 AWG 90°C)

IEC & FCC Compliance

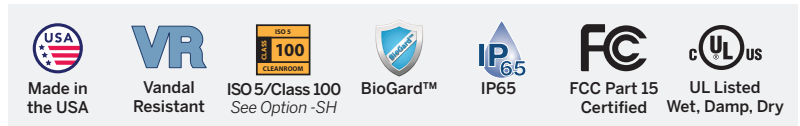
- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment
- FCC Part 15 certified for EMI/RFI emissions

FIVE YEAR Limited Warranty

- Complete standard fixture

Options and Ordering Configuration

(Example: MRV-07840-2000L-120-30K-NFL)



Must Specify			Optional					
Model	Lumens	Volts	CCT & CRI	Beam	Driver Options	Emergency	Lens & Trim Options	Other Options
MRV-07840	-2000L -1500L	-120 -277 -97: Other voltage; consult factory	(Blank): 35K, 80+ CRI 80+ CRI -27K: 2700°K -30K: 3000°K -35K: 3500°K -41K: 4100°K -50K: 5000°K 90+ CRI -27K-HC: 2700°K -30K-HC: 3000°K -35K-HC: 3500°K -41K-HC: 4100°K -50K-HC: 5000°K	(Blank): MFL -NFL -SPT -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 0.1% dim	(Blank): None -EI: Remote emergency inverter for 100% of rated lumens; 90+ minutes; N/A for option -FS -ERH: Remote emergency battery pack; delivers 1000 lumens; 90+ minutes (CEC Compliant)	(Blank): White tamper-resistant trim, dual lens -32: White oversize trim ring; specify O.D. -35T: Silver enamel (complete trim); (non BioGard™) -94: Custom color/finish; specify; (non BioGard™); consult factory -CF: Custom color filter (Rosco); specify -WA: White acrylic (flat) diffuser instead	(Blank): None -99: Special modification; consult factory -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)
*See note next page								
Projected L70** for Kirlin Luminaires								
In Open Plenum		90,000 hours						
In Insulation (Type IC)		60,000 hours						
**Hours at 70% lumen maintenance								
						† Consult factory for use with -2000L lumen series		

