

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

# Lighting for Patient Spaces

## Vandal Resistant Clean Room 7" LED Exam Light

Up to 90,000 Hour Life • Type IC • Antimicrobial Trim  
LM-80 Qualified • LM-79 Certified Photometry

# MRV-07560



## Specifications

### Delivered System Performance\*

- Lumen Series: **Must Specify**
- 2000L (25W)
- 1500L (15W)
- Distribution: NFL standard; optional: -MFL
- Color temperature: 3500°K standard; optional: -27K, -30K or -41K
- 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
- Optional remote SmartSupply™ driver instead, see Option -SS for restrictions and details

### Trim and Lens Assembly

- Vandal resistant smooth white seamless tapered aluminum self-flanged flare 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
- Regressed tempered microprismatic above 1/8" clear flat polycarbonate lens
- Continuous ring secures lens to trim
- Tamperproof tool included

### IP65 Sealed & Gasketed Trim

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

### Acrylic Enameled Aluminum Housing

- Rustproof: exceeds 1000 hour ASTM 5% salt spray test; all components fully sustainable
- Shallow depth for restricted plenums
- Cool operation extends component life
- Modular design; visible and fully serviceable through aperture
- Built-in plaster flange
- Air tight housing and junction box; meets/exceeds ASTM E283 restricted airflow (2 CFM maximum); CCEA approved

### 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 ceilings up to 1 1/8" thick
- Compatible with fire rated enclosures (by others)
- 27" galvanized hanger bars & adjusting brackets (2) supplied

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

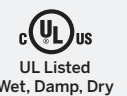
- Wet, damp or dry locations, covered ceilings
- Type IC: for direct contact with insulation
- Through-branch conductors (4 #12 AWG 90°C)

### 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

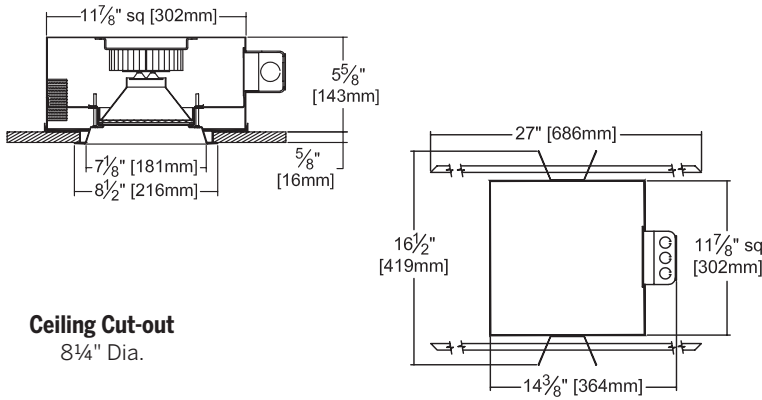


## Options and Ordering Configuration

(Example: MRV-07560-2000L-120-30K-MFL)

Must Specify			Optional					
Model	Lumens	Volts	CCT & CRI	Beam	Driver Options	Emergency	Trim & Lens Options	Other Options
MRV-07560	-2000L -1500L	-120 -277  -97: Other voltage; consult factory	(Blank): 35K, 80+ CRI  <b>80+ CRI</b> -27K: 2700°K -30K: 3000°K -35K: 3500°K -41K: 4100°K -50K: 5000°K <b>90+ CRI</b> -27K-HC: 2700°K -30K-HC: 3000°K -35K-HC: 3500°K -41K-HC: 4100°K -50K-HC: 5000°K	(Blank): NFL  -MFL	(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 50% of rated lumens; 90+ minutes; 60Hz input only; N/A for option -FS  -ERH: Remote emergency battery pack; delivers 1000 lumens; 90+ minutes (CEC Compliant)	(Blank): White tamper-resistant trim, dual lens	(Blank): None  -99: Special modification; consult factory  -FS: Fused primary; One per fixture; not for use with option -EI
*See note next page								
<b>Projected L70** for Kirlin Luminaires</b>								
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			

## Dimensions



## Infection Control Levels

Level	Option	Patient Safety	Infection Protection
3+	Standard	<b>VR</b> Vandal Resistant	BioGuard™ IP65 ISO 5/ Class 100

## Performance Factors

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-2000L	1.26	1.37	0.92
<b>-1500L</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>

## Footcandle Distribution Data

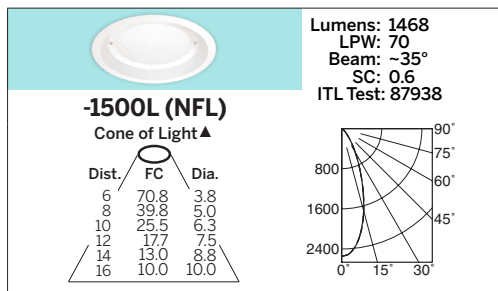
### Notes:

- All lighting levels are expressed in average footcandles, with distances expressed in feet, as measured at the work plane (3'6")
- The work plane (3'6") is defined as: examination bed height, plus patient body depth

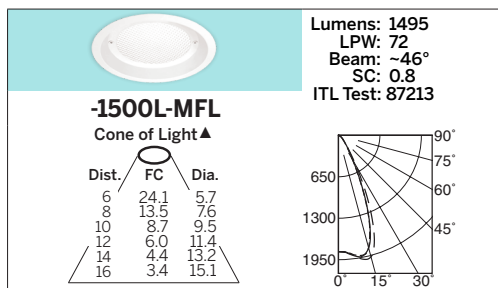
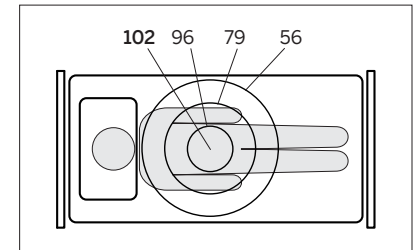
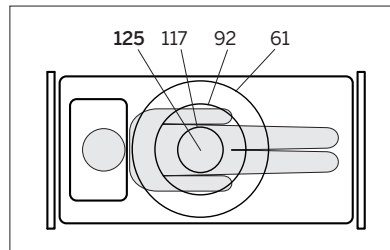
## Photometry - Installed Complete Fixture

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

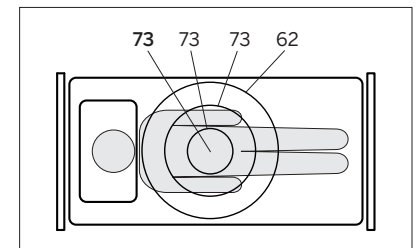
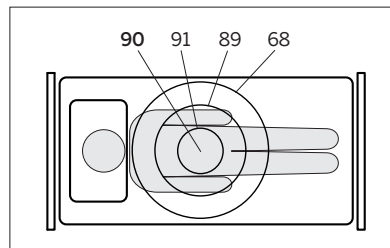
LM-79 IESNA Certified Photometry from Independent Lab



Total System Watts 20.9



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

▲ 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