

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

# Lighting for Patient Spaces

## Adjustable 7" LED Exam Light

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

## Specifications

### Delivered System Performance\*

- Lumen Series: **Must Specify**
  - 5000L (55W)
  - 3500L (42W)
- Distribution: NFL
- Color temperature: 3500°K standard; optional: -27K, -30K or -41K
- 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

### Center Beam Optics

- Self-aligns with trim for optimal performance
- Hot aiming by hand
- Tilts from 0° to 35° in 1° increments and locks in place
- Rotates full 360° and locks in place
- Accommodates sloped ceilings up to 35°

### 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

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

### Acrylic Enameled Aluminum Housing

- Rustproof: exceeds 1000 hour ASTM 5% salt spray test; all components fully sustainable
- 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 ½" and ¾" knockouts

## MRR-07505



### Installation & Hardware

- Indoor/outdoor in ceilings up to 1⅞" 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
- 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-07505-5000L-120-30K-45)


Must Specify			Optional				
Model	Lumens	Volts	CCT & CRI	Driver Options	Emergency	Trim & Lens Options	Other Options
MRR-07505							
	-5000L -3500L	-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: 4000°K -50K: 5000°K <b>90+ CRI</b> -27K-HC: 2700°K -30K-HC: 3000°K -35K-HC: 3500°K -41K-HC: 4000°K -50K-HC: 5000°K	(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  -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 trim, regressed prismatic lens  <b>Trim Finishes</b> -BKBG: BioGard™ anti-microbial black -94BG: BioGard™ anti-microbial custom color finish  <b>Other Trim Features</b> -32: White trim extender; specify OD -45: Gasket between trim flange and ceiling -46: Gasket between trim and lens	(Blank): None  -99: Special modification; consult factory  -AWN: Athena Wireless Node; N/A for Dimming Options D5, ECO  -FS: Fused primary; One per fixture; not for use with Option -EI  <b>*Note:</b> For other integrated control solutions, such as nLight, contact factory

\*See note next page



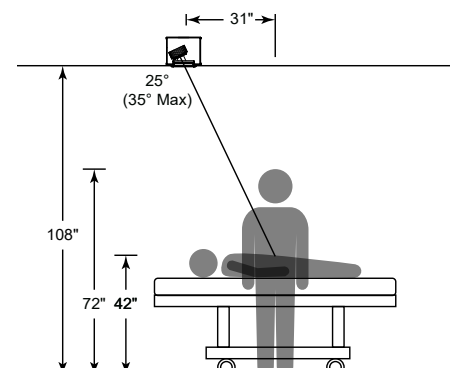
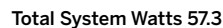
## Infection Control Levels



Level	Option	Infection Protection
1	Standard	 BioGard™

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

## LM-79 IESNA Certified Photometry from Independent Lab



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

**See following page for -3500L performance**

## Footcandle Distribution Data

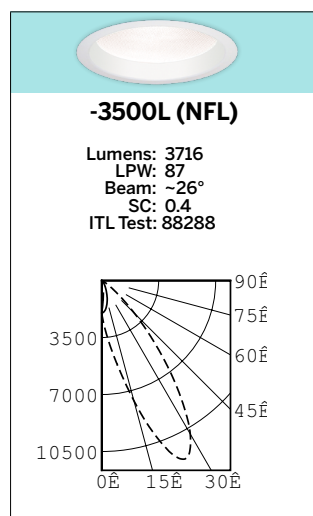
**Notes:**

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

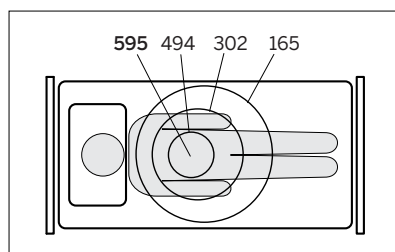
## Photometry - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

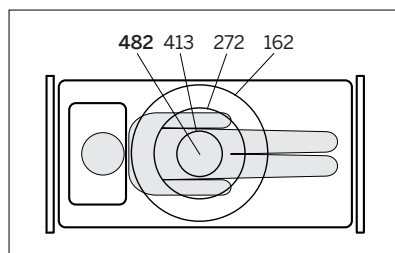
Photometry from I.T.L., Boulder, CO



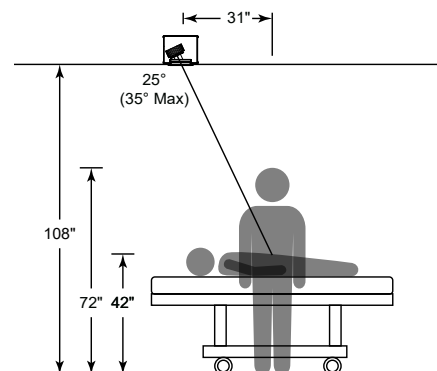
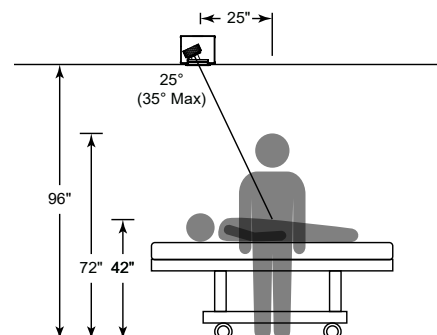
**Total System Watts 42.8**



fc on Task: 8' Ceiling 3'6" Work Plane



fc on Task: 8'6" Ceiling 3'6" Work Plane



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