

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

# SmartLED™ MRI Lighting System

## 6" Regress White Trim Lensed Downlight

Up to 90,000 Hour Life • Type IC

LM-80 Qualified • LM-79 Certified Photometry

### Specifications

#### Delivered System Performance

- Lumens: **-1500L** (20W); 1500 nominal lumens
- Distribution: MFL standard; optional: -SPT, -NFL, 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

#### SmartLED™ MRI Lighting System Required

- Kirlin remote driver modules, cabinet, and RFI filters required for operation
- Components ordered separately, see below for driver information and **MRI-CABNT** for additional components
- SmartLED driver modules provide 0-10V dimming to 0.38%

#### SmartLED™ Emergency Backup System

- **EMI-21220** or **EMI-03120** available for emergency power
- See specification sheet; order separately

#### Trim and Lens Assembly

- White finished (field paintable) aluminum self-flanged trim
- Regressed tempered prismatic spread lens

#### Acrylic Enameled Aluminum Housing

- Rustproof and corrosion resistant: 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

#### Outlet Box (Aluminum)

- UL listed J-box; prewired with ½" knockouts

## MRR-06235



#### Installation & Hardware

- Requires minimum 18 AWG twisted pair shielded wire from SmartLED™ MRI Lighting System to fixtures
- Recesses in ceilings up to 1-1/8" thick or see Option -79
- Aluminum 27" hanger bars with adjustable mounting brackets (2) supplied.

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

- Wet, damp or dry locations, covered ceilings
- Type IC: for direct contact with insulation

#### IEC & FCC Compliance

- FCC Part 15 certified for EMI/RFI emissions

#### FIVE YEAR Limited Warranty

- Complete fixture, must be installed with all SmartLED™ components



## Options and Ordering Configuration

(Example: MRR-06235-1500L-30K-NFL)

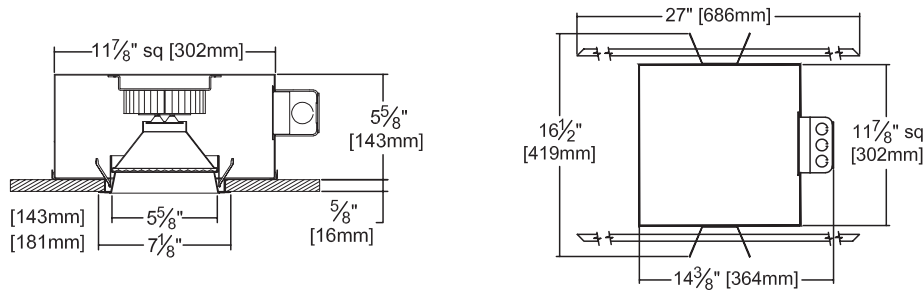
Must Specify		Optional			
Model	Lumens	CCT & CRI	Beam	Trim & Lens Options	Other Options
MRR-06235	-1500L	(Blank): 35K, 80+ CRI	(Blank): MFL	(Blank): White self-flanged downlight cone with lens above	(Blank): None
		<b>80+ CRI</b>	-SPT	<b>Trim Finishes</b>	<b>Mounting</b>
		-27K: 2700°K	-NFL	-94: Custom color; consult factory	-79: Extension collar; ceilings up to 2" thick
		-30K: 3000°K	-MFL	-BGT: BioGard™ anti-microbial white	<b>Other Options</b>
		-35K: 3500°K	-WFL	<b>Other Trim Features</b>	-99: Special modification; consult factory
		-41K: 4100°K		-32: White trim extender, specify OD	
		-50K: 5000°K		-45: Gasket between trim flange and ceiling	
		<b>90+ CRI</b>		-46: Gasket between trim and lens	
		-27K-HC: 2700°K		<b>Lens Options</b>	
		-30K-HC: 3000°K		-WA: White acrylic (flat) diffuser instead; will produce wide flood distribution	
		-35K-HC: 3500°K			
		-41K-HC: 4100°K			
		-50K-HC: 5000°K			

\*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

# Dimensions



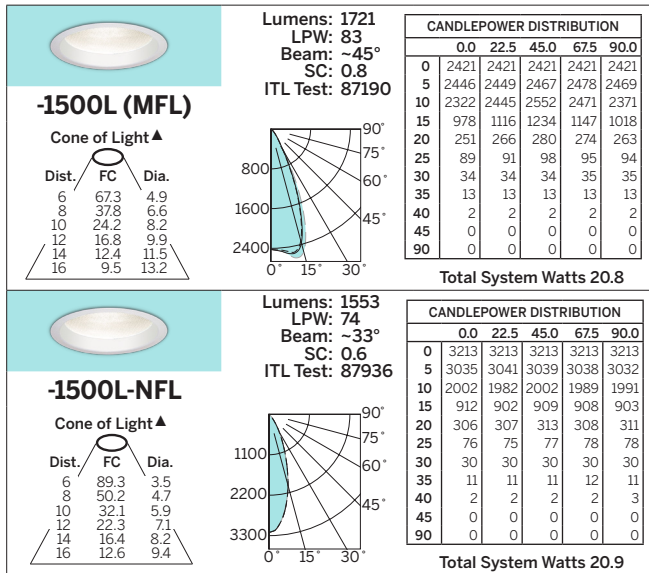
**Ceiling Cut-out**  
6 3/4" Dia.

# Photometry - Installed Complete Fixture

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

LM-79 IESNA Certified Photometry from Independent Lab

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



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

# SmartLED™ MRI Driver Modules

Fully Digital Controlled Power Source for LED Luminaires

Mounted in Kirlin's **MRI-CABNT**



Driver Module	Maximum Capacity	Fixture Load Examples
DVR-1400A	Qty 2: 1500L Luminaires	<ul style="list-style-type: none"> <li>Qty 1: MRR-06235-1500L</li> <li>Qty 2: MRR-06235-1500L</li> <li>Qty 1: MRR-06205-1500L and Qty 1: MRR-06235-1500L</li> </ul>

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THE PERIOD OF PURCHASE. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at the option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within the period 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.

MRI LIGHTING  
MAY 2023