KIRLIN
HEALTHCARE LIGHTING

CATALOG #		TYPE
JOB NAME	WATTAGE	VOLTAGE

SmartLED™ MRI Lighting System

6" Lensed Wall Wash
Up to 90,000 Hour Life • Type IC
LM-80 Qualified • LM-79 Certified Photometry

MRR-06227

Specifications

Delivered System Performance
- Lumens**: -1500L** (20W); 1500 nominal lumens
- 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
- Center beam optics positioned at 20°

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
- The **MRI Configurator** can help determine the necessary 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
- Clear specular aluminum self-flanged, low glare cone with lens above
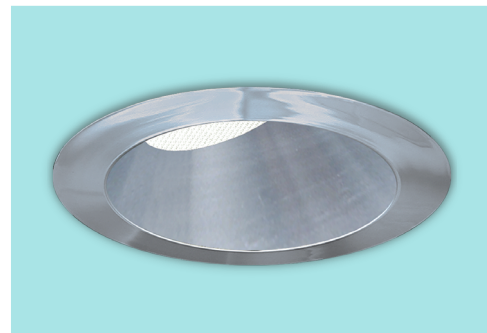- Optional colors and finishes available

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

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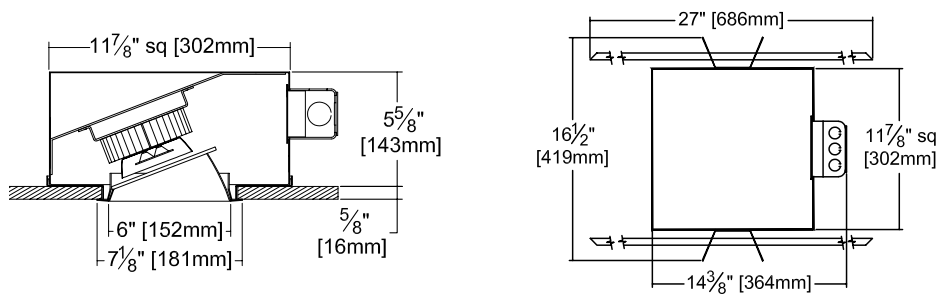- Complete fixture, must be installed with all SmartLED™ components

Made in the USA *BABAA Compliant* | **BioGard™** *See Option -BGT* | **FCC Part 15 Certified** | **UL Listed Wet, Damp, Dry**

Options and Ordering Configuration

(Example: MRR-06227-1500L-30K-BGT)

Must Specify		Optional		
Model	**Lumens**	**CCT & CRI**	**Trim & Lens Options**	**Other Options**
MRR-06227				
	-1500L	**(Blank):** 35K, 80+ CRI	**(Blank):** Clear specular aluminum self-flanged cone with lens above	**(Blank):** None
		80+ CRI	**Trim Finishes**	**Other Options**
		-27K: 2700°K	**-30T:** All white acrylic enameled cone	**-99:** Special modification; consult factory
		-30K: 3000°K	**-30F:** White acrylic enameled cone flange	
		-35K: 3500°K	**-70T:** SofTex™ semi-specular clear self-flanged cone	
		-41K: 4000°K	**-BGT:** BioGard anti-microbial white	
		-50K: 5000°K	**-BKBG:** BioGard anti-microbial black	
		90+ CRI	**-94:** Custom color; consult factory	
		-27K-HC: 2700°K	**-94BG:** BioGard anti-microbial custom color finish	
		-30K-HC: 3000°K	**Other Trim Features**	
		-35K-HC: 3500°K	**-32:** White trim extender, specify OD	
		-41K-HC: 4000°K	**-45:** Gasket between trim flange and ceiling	
		-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	

Kirlin Lighting | 3401 E. Jefferson Ave., Detroit, MI 48207-4232, USA | P: 313.259.6400 | www.kirlinlighting.com

Dimensions

11⁷⁄₈" sq [302mm]
5⁵⁄₈" [143mm]
6" [152mm]
7¹⁄₈" [181mm]
⁵⁄₈" [16mm]

27" [686mm]
16½" [419mm]
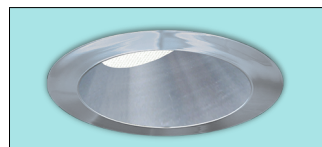11⁷⁄₈" sq [302mm]
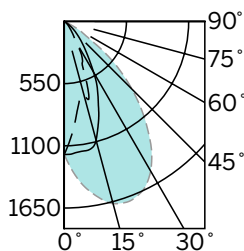14³⁄₈" [364mm]

Ceiling Cut-out
6½" Dia.

Photometry - Installed Complete Fixture

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

LM-79 IESNA Certified Photometry from Independent Lab

Lumens: 1508
LPW: 72
ITL Test: 87517

-1500L

WALL > — — — — 0°
—————— 90°
— — — 180°

| | SINGLE FIXTURE | | | | | MULTIPLE FIXTURES | | | | |
| | 1' | 2' | 3' | 4' | | 2' CENTERS | | | 3' CENTERS | |
DISTANCE FROM CEILING IN FEET	FIXTURE INSTALLED 2' FROM WALL Footcandle Distribution on Wall Surface									
1	10.6	3.4	1.1	0.7	0.4	15.5	15.6	15.5	12.9	5.1	12.8
2	75.6	42.9	9.6	1.7	0.6	97.5	97.6	97.5	79.0	45.2	79.0
3	60.2	43.0	17.1	5.3	1.5	98.3	98.4	98.4	72.0	58.7	71.9
4	36.8	29.9	16.1	6.8	2.7	76.2	76.3	76.3	51.5	5.02	51.5
5	22.1	19.5	12.7	6.6	3.1	56.2	56.2	56.2	37.0	37.7	37.0
6	14.0	12.7	9.5	5.8	3.2	42.7	42.8	42.7	28.2	28.2	28.2
7	9.4	9.5	7.1	4.9	3.0	33.2	33.5	33.5	22.0	22.0	22.0
8	6.8	7.1	5.5	4.1	2.8	27.3	27.7	27.7	18.0	18.2	18.0
9	5.3	5.1	4.5	3.6	2.6	23.9	24.0	4.0	15.5	15.9	15.5

Total System Watts 21.0

*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**

Drivers wired in series

Driver Module	Maximum Capacity	Fixture Load Examples
DVR-1400A	Up to Qty 2: 1500L Luminaires	• Qty 1: MRR-06227-1500L • Qty 2: MRR-06227-1500L • Qty 1: MRR-06205-1500L and Qty 1: MRR-06227-1500L

SmartLED MRI
OCTOBER 2024