KIRLIN HEALTHCARE LIGHTING

CATALOG #		TYPE
JOB NAME	WATTAGE	VOLTAGE

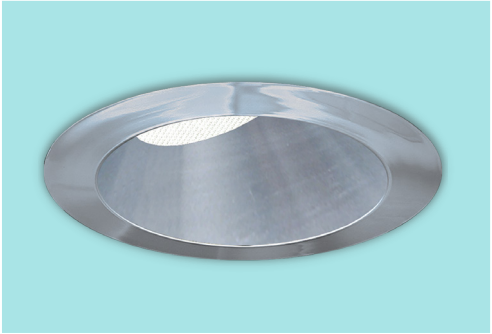
SmartLED™ MRI Lighting System

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
- 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 | 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: 4100°K	**-94:** Custom color; consult factory	
		-50K: 5000°K	**-BGT:** BioGard™ anti-microbial white	
		90+ CRI	**Other Trim Features**	
		-27K-HC: 2700°K	**-32:** White trim extender, specify OD	
		-30K-HC: 3000°K	**-45:** Gasket between trim flange and ceiling	
		-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

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

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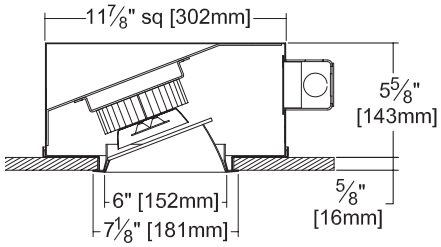
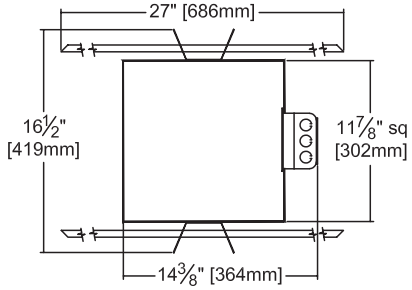
KIRLIN HEALTHCARE LIGHTING

Dimensions



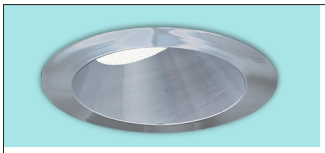


Ceiling Cut-out
6½" Dia.

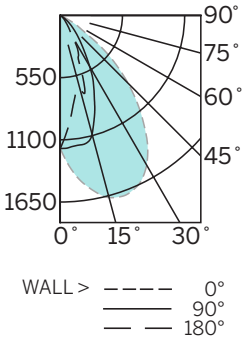
Photometry - Installed Complete Fixture

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

LM-79 IESNA Certified Photometry from Independent Lab



-1500L



Lumens: 1508
LPW: 72
ITL Test: 87517

DISTANCE FROM CEILING IN FEET

	SINGLE FIXTURE 1'	2'	3'	4'	MULTIPLE FIXTURES 2' CENTERS			3' CENTERS		
	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**

Driver Module	Maximum Capacity	Fixture Load Examples
DVR-1400A	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

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTIED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE, INSTALLED TO N.E.C., IN NORMAL USE. Manufacturer at his 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 five years 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 supplied 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.

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