KIRLIN HEALTHCARE LIGHTING

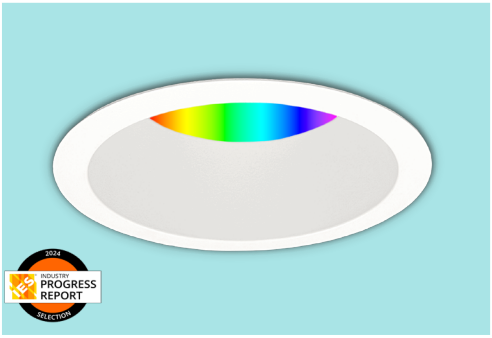
CATALOG #		TYPE
JOB NAME	WATTAGE	VOLTAGE

SmartLED™ MRI Lighting System

6" RGBW Open Appearance Downlight

Create a patient-centric MRI experience with soothing, dynamic color scenes • Type IC

MRR-06305



Specifications

Delivered System Performance
- Nominal lumens**: -750L**; see photometric data for specific color lumens
- Distribution: WFL
- Quad chip RGBW
- 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 DMX remote driver modules, cabinet, and RFI filters required for operation
- Components ordered separately, see MRI-DMXPS
- The MRI Configurator can help determine the necessary components

SmartLED™ Emergency Backup System
- EMI-21220 or EMI-03120 available for emergency power
- See specification sheet; order separately

Trim and Lens Assembly
- White enamel 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

Color & Controls
- Quad chip RGBW LEDs provide rich color palette for full spectrum expression
- DMX control via Kirlin DMX wall panel MRI-DMXWP
- Wall panel ships preloaded with standard scene configuration and presets - consult factory for custom programs

Installation & Hardware
- Requires minimum 18 AWG twisted pair shielded wire from SmartLED MRI driver modules, to filter, and included 35' RJ-45 cable from filter to luminaire
- 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

RGBW

Made in the USA
BABA Compliant

BioGard™
See Option -BGT

FCC Part 15 Certified

UL Listed
Wet, Damp, Dry

Options and Ordering Configuration

(Example: MRR-06305-1500L-RGB4-BGT)

Must Specify			Optional	
Model	**Lumens**	**CCT & CRI**	**Trim & Lens Options**	**Other Options**
MRR-06305				
	-750L	**-RGB4:** RGB + 4000K 80+ CRI	**(Blank):** All white acrylic enameled cone	**(Blank):** None
			Trim Finishes	**Mounting**
			-BGT: BioGard anti-microbial white	**-79:** Extension collar; ceilings up to 2" thick
			-BKBG: BioGard anti-microbial black	**Other Options**
			-94: Custom color; consult factory	**-99:** Special modification; consult factory
			-94BG: BioGard anti-microbial custom color finish	
			Other Trim Features	
			-32: White trim extender, specify OD	
			-45: Gasket between trim flange and ceiling	
			-46: Gasket between trim and lens	
			Lens Options	
			-WA: White acrylic (flat) diffuser instead; will produce wide flood distribution	

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

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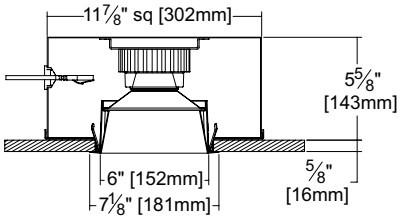
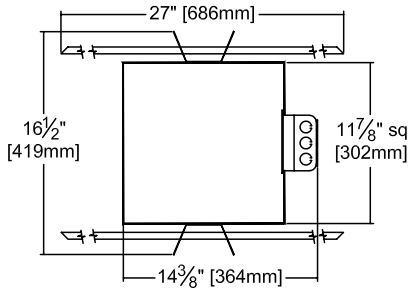
Dimensions





Ceiling Cut-out
6½" Dia.

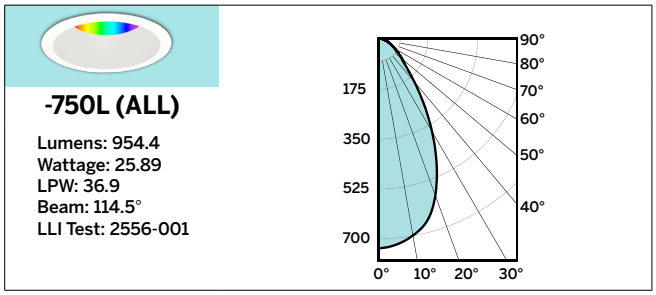
Photometry - Installed Complete Fixture

LM-79 IES Certified Photometry from Independent Lab

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

▲ 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



Lumen factors are based on All On light output and represent only that color on.

NOMINAL LUMENS	LUMEN FACTOR	DELIVERED LUMENS
RED	.162	154.3
GREEN	.381	363.2
BLUE	.114	109.1
WHITE	.342	326.6

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

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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