CATALOG #		TYPE	
JOB NAME		WATTAGE	VOLTAGE

SmartLED™ MRI Lighting System

RGBW Shallow Lensed 4" Downlight

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

MRS-04345

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
- Tapered aluminum all white (field-paintable) smooth self-flanged trim
- Optional colors and finishes available
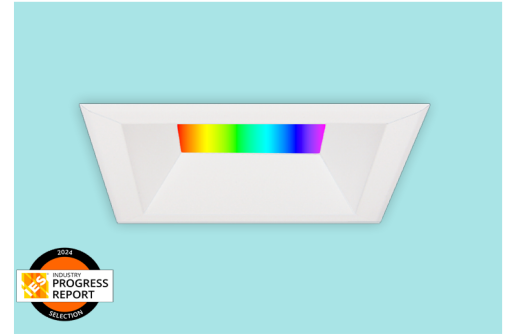- Regressed tempered prismatic spread lens

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

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 1-1/4" 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
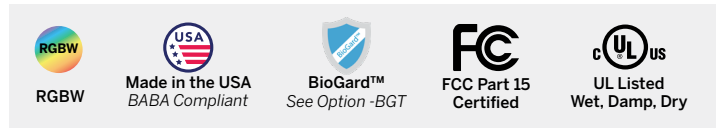- Type IC: for direct contact with insulation

IEC & FCC Compliance
- FCC Part 15 certified for EMI/RFI emissions

FIVE YEAR Limited Warranty
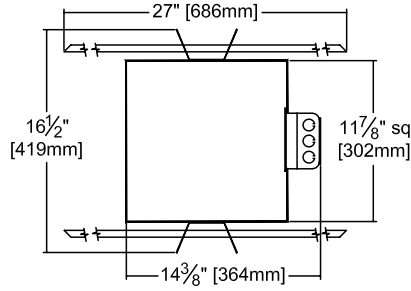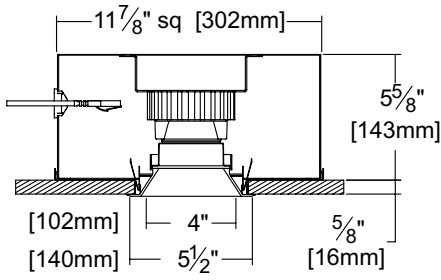- Complete fixture, must be installed with all SmartLED™ components

Options and Ordering Configuration

(Example: MRS-04345-1500L-RGB4-BGT)

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

Must Specify			Optional	
Model	**Lumens**	**CCT & CRI**	**Trim & Lens Options**	**Other Options**
MRS-04345				
	-750L	**-RGB4:** RGB + 4000K 80+ CRI	**(Blank):** White aluminum smooth self-flanged trim with lens above	**(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	
			-21: White translucent flat poly diffuser instead	
			-23: White Frosted microprismatic lens instead	
			-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

KIRLIN
HEALTHCARE LIGHTING

Dimensions

11⅞" sq [302mm]

5⅝" [143mm]

[102mm]
4"
[140mm]
5½"

5⁄8" [16mm]

27" [686mm]

16½" [419mm]

11⅞" sq [302mm]

14⅜" [364mm]

Ceiling Cut-out
5¼" Sq.

Photometry - Installed Complete Fixture

LM-79 IESNA 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

-750L (ALL)

Lumens:
LPW:
Beam:
SC:
ITL Test:

Total System Watts

-750L (WHITE)

Lumens:
LPW:
Beam:
SC:
ITL Test:

Total System Watts

TESTING UNDERWAY

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

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