

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

SmartLED™ MRI Lighting System

RGBW Surface 12" Downlight • 4" Shallow Depth

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

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 flat seamless aluminum, one piece self-flanged
- Optional colors and finishes available
- Tempered prismatic spread distribution lens

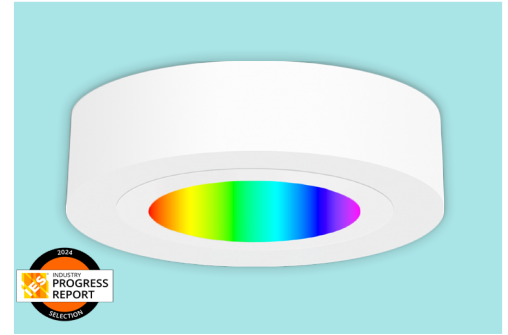
Aluminum Housing

- Rustproof and corrosion resistant: exceeds 1000 hour ASTM 5% salt spray test; all components fully sustainable
- No visible cylinder hardware
- Cool operation extends component life
- Modular design; visible and fully serviceable through aperture
- Lightweight: minimizes ceiling load

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

MSR-12340



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
- Center point mounting for snug fit to ceiling
- Mounting hardware furnished

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings

IEC & FCC Compliance

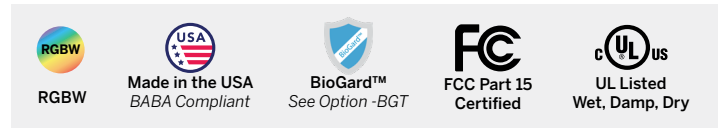
- FCC Part 15 certified for EMI/RFI emissions

FIVE YEAR Limited Warranty

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

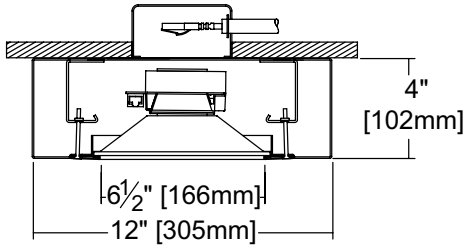
Options and Ordering Configuration

(Example: MSR-12340-1500L-RGB4-BGT-46)



Must Specify			Optional	
Model	Lumens	CCT & CRI	Trim & Lens Options	Other Options
MSR-12340				
	-750L	-RGB4: RGB + 4000K 80+ CRI	<p>(Blank): White flat seamless aluminum one-piece housing with prismatic lens</p> <p>Trim Finishes</p> <ul style="list-style-type: none"> -35: Silver (natural aluminum) acrylic enamel -38: Black acrylic enamel -BGT: BioGard anti-microbial white -BKBG: BioGard anti-microbial black -94: Custom color; consult factory -94BG: BioGard anti-microbial custom color finish <p>Other Trim Features</p> <ul style="list-style-type: none"> -46: Gasket between trim and lens <p>Lens Options</p> <ul style="list-style-type: none"> -WA: White acrylic (flat) diffuser instead; will produce wide flood distribution 	<p>(Blank): None</p> <p>Other Options</p> <ul style="list-style-type: none"> -99: Special modification; consult factory

Dimensions

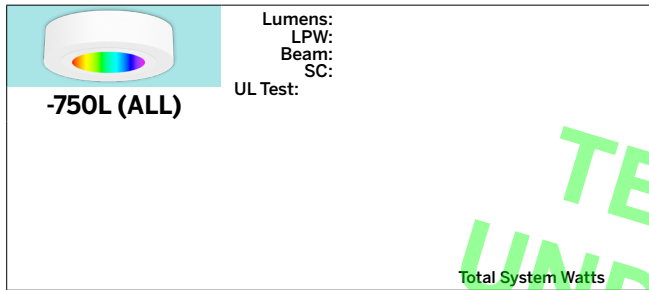


Photometry - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

Photometry from UL Verification Services, Allentown, PA

- ▲ **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



TESTING UNDERWAY

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

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLATION, USE, MANUFACTURER AT HIS OPTION WILL REPLACE OR REPAIR SUCH FIXTURE OR RETURN THE PURCHASE PRICE ON PRESENTATION OF PROOF OF PURCHASE AND DEFECTIVE FIXTURE AT THE OFFICES OF MANUFACTURER WITHIN THE 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 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.

SmartLED MRI
NOVEMBER 2024