

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

SmartLED™ MRI Lighting System

Classic "K" Lens 8" Downlight

Up to 60,000 Hour Rated Life

LM-80 Qualified • LM-79 Certified Photometry

Specifications

Delivered System Performance

- Lumens: **-2500L** (35W); 2500 nominal lumens
- Distribution: WFL standard
- Color temperature: 3500°K standard; optional: -27K, -30K, -41K, or -50K
- CRI: 80+ standard; optional: -HC (90+)
- 60,000 hour life (L70)
- 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 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

- Shock-resisting, UV absorbing prismatic convex widespread Kirlin lens
- Rustfree polished nickel stainless door (304-L) and captive thumb screw and concealed hinges
- Beveled cast aluminum frame tooled to ensure close fit with door; white acrylic finish

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

MRS-08470



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

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-08470-2500L-30K-45)

Must Specify		Optional		
Model	Lumens	CCT & CRI	Trim & Lens Options	Other Options
MRS-08470	-2500L	(Blank): 35K, 80+ CRI	(Blank): White aluminum smooth self-flanged trim with lens above	(Blank): None
		80+ CRI	Trim Finishes	Other Options
		-27K: 2700°K	-BGT: BioGard anti-microbial white	-99: Special modification; consult factory
		-30K: 3000°K	-BKBG: BioGard anti-microbial black	
		-35K: 3500°K	-94: Custom color; consult factory	
		-41K: 4000°K	-94BG: BioGard anti-microbial custom color finish	
		-50K: 5000°K	Other Trim Features	
		90+ CRI	-13: Vandal resistant tempered prismatic spread lens above 1/8" flat polycarbonate; Also see Option -26	
		-27K-HC: 2700°K	-26: White trim extender, specify OD	
		-30K-HC: 3000°K	-32: White trim extender, specify OD	
		-35K-HC: 3500°K	-45: Gasket between trim flange and ceiling	
		-41K-HC: 4000°K	-46: Gasket between trim and lens	
		-50K-HC: 5000°K	Lens Options	
			-15: Prismatic tempered glass lens instead	
			-17: 0.187" prismatic high strength acrylic lens instead; Also see Option -26	
			-WA: White acrylic (flat) diffuser instead; will produce wide flood distribution	



