CATALOG #			TYPE	
JOB NAME		WATTAGE	VOLTAGE	

SmartLED™ MRI Lighting System

MRP-22275-2500L

Ultra-slim 35W LED 2x2 White Panel
Up to 60,000 Hour Life • LM-80 Qualified •
LM-79 Certified Photometry

For MRI Installations, use of both SmartLED™ Driver Modules and Filters is REQUIRED or Kirlin warranty is null and void.

Specifications

Luminaire Features
- Driverless, 35 watt, low voltage, Class II, DC powered.
- Color temperature: 3500°K standard. Optional: -41K.
- Must use in conjunction with SmartLED™ MRI Lighting System.
- Ultra-thin extruded aluminum design. White finish; for custom color see Option -94.
- Completely non-ferro magnetic.

Thermal Management
- Housing / heat sink provides maximum heat dissipation for side-fire LED technology.

SmartLED™ MRI Lighting System Required (**Order Separately**)
- SmartLED™ MRI Cabinet.
- SmartLED™ MRI Driver Modules.
- SmartLED™ Filters.

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

Trim / Lens
- Regressed trim provides a unique, architectural "skylight" effect when installed in grid ceiling.
- Extruded acrylic, wave guide lens provides unparalleled uniformity and even illumination of the image.

Installation
- Requires minimum 18 AWG twisted pair shielded wire from SmartLED™ MRI Lighting System to fixtures.
- Drops into 2' x 2' ceiling grid.

UL, C-UL (Canada) Listings
- Wet, damp, dry locations, covered ceilings.

FCC Compliance
- FCC Part 15 certified for EMI/RFI emissions.

FIVE YEAR Limited Warranty
- Complete standard fixture.

MUST SPECIFY	OPTIONAL	
Product Number	**Options**	
MRP-22275-2500L	See "Options" below	**Ordering Example:** **MRP-22275-2500L**-41K-BG

Options

Color Temperature (CCT)
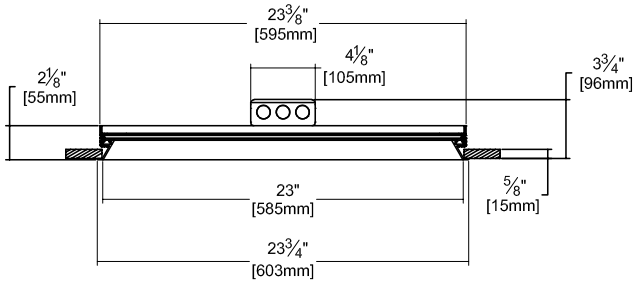-41K   Color temperature 4100°K instead.

Lens and Trim
-94   Custom color/finish. Specify. Consult factory.
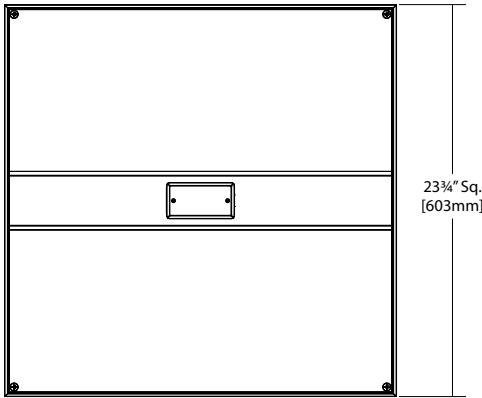-BGT   Kirlin BioGard™ anti-microbial finish trim (white only).

Other
-99   Special modification. Consult factory.

SmartLED™
MRI LIGHTING SYSTEM
*See note next page

FCC Part 15 Certified

MRP-22275-2500L
PERFORMANCE

Dimensions

23⅜" [595mm]

2⅛" [55mm]

4⅛" [105mm]

3¾" [96mm]

23" [585mm]

⅝" [15mm]

23¾" [603mm]

23¾" Sq. [603mm]

Luminaire is available in nominal 2' x 2' size only.

Detailed Photometry - Installed Fixture
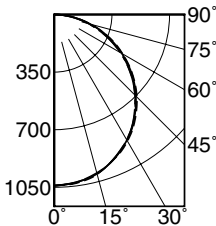Photometric testing done in accordance with IESNA LM-79

-2500L

Lumens: 3049
SC: 1.2
LPW: 102
Efficiency: 99.9%

EEE

Total System Watts 29.9

	0.0	30.0	60.0	90.0	120.0	150.0	180.0
CANDLEPOWER DISTRIBUTION							
0	1039	1042	1040	1041	1041	1038	1039
5	1037	1041	1038	1034	1036	1035	1034
15	1004	1007	998	1002	995	1002	997
25	933	937	926	928	924	931	925
35	835	843	829	829	819	828	826
45	708	709	700	700	689	699	693
55	560	561	545	555	543	554	546
65	401	398	386	392	380	387	382
75	229	235	222	226	211	225	217
85	68	73	68	39	62	65	62
90	3	5	5	4	2	1	1

90° 75° 60° 45°
350 700 1050
0° 15° 30°

LM-80 Qualified • LM-79 Certified Photometry
✳ LED manufacturers maintain a tolerance of ±7% on flux (lumens) and power (electrical) measurements. Kirlin photometrics are actual test data.

▲ **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

3 Steps To "Artifact-Free" Imaging

1. Use complete Kirlin SmartLED™ MRI system: Luminaires, Remote Driver Cabinet, and RF Filters
2. Use a minimum #18 AWG twisted, shielded pair wire
3. Use a 0-10V wall box dimmer that is approved for use with SmartLED™ MRI Lighting System (consult Owner's Manual); wall dimmers must be located outside of room shield and must **NOT** be filtered through SmartLED™ Filter

SmartLED MRI
SEPT 2020