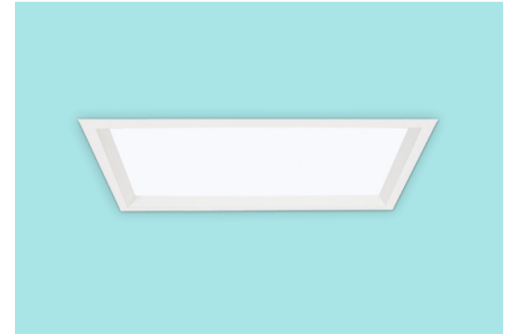| CATALOG #		TYPE
JOB NAME	WATTAGE	VOLTAGE

SmartLED™ MRI Lighting System

Ultra-slim 20W LED 2x2 White Panel
Up to 90,000 Hour Life • Type IC
LM-80 Qualified • LM-79 Certified Photometry

MRP-22285

Specifications

Delivered System Performance
- **Lumens: -1500L** (20W); 1500 nominal lumens
- Color temperature: 3500°K standard; optional: -41K
- CRI: 80+ standard
- 90,000 hour life (L70**)

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

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
- 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
- Ultra-thin extruded aluminum design
- White finish standard; optional colors and finishes available
- Regressed trim provides a unique, architectural "skylight" effect when installed in grid ceiling
- Extruded acrylic, wave guide lens provides unparalleled uniformity and even illumination

Outlet Box (Aluminum)
- UL listed J-box; prewired with ½" knockouts

Installation & Hardware
- 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 or dry locations, covered ceilings
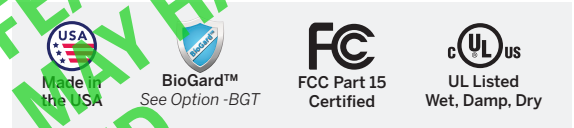- Type IC: for direct contact with insulation

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

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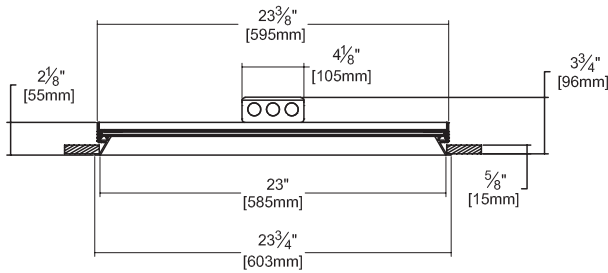- Complete fixture, must be installed with all SmartLED™ components

Made in the USA

BioGard™ *See Option -BGT*

FCC Part 15 Certified

UL Listed Wet, Damp, Dry

Options and Ordering Configuration

(Example: MRP-22285-1500L-41K-BG)

Must Specify		Optional		
Model	**Lumens**	**CCT & CRI**	**Trim & Lens Options**	**Other Options**
MRP-22285				
	-1500L	**(Blank):** 35K, 80+ CRI	**(Blank):** White regressed trim with acrylic lens	**(Blank):** None
			Trim Finishes	**Other Options**
		-35K: 3500°K	**-94:** Custom color; consult factory	**-99:** Special modification; consult factory
		-41K: 4100°K	**-BGT:** BioGard™ anti-microbial white	

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

KIRLIN
HEALTHCARE LIGHTING

Dimensions

23⅜" [595mm]
4⅛" [105mm]
3¾" [96mm]
2⅛" [55mm]
23" [585mm]
⅝" [15mm]
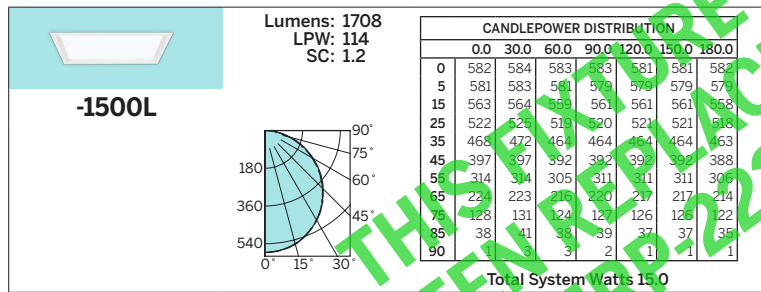23¾" [603mm]
23¾" Sq. [603mm]

Luminaire is available in nominal 2' x 2' size only
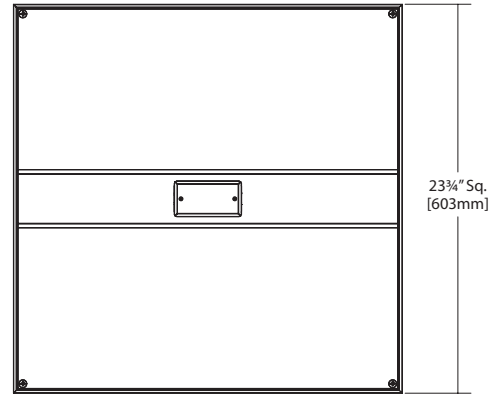
Photometry - Installed Complete Fixture

Photometrictesting done in accordance with IESNA LM-79

-1500L

Lumens: 1708
LPW: 114
SC: 1.2

	CANDLEPOWER DISTRIBUTION						
	0.0	30.0	60.0	90.0	120.0	150.0	180.0
0	582	584	583	583	581	581	582
5	581	583	581	579	579	579	579
15	563	564	559	561	561	561	558
25	522	526	519	520	521	521	518
35	468	472	464	464	464	464	463
45	397	397	392	392	392	392	388
55	314	314	305	311	311	311	306
65	224	223	216	220	217	217	214
75	128	131	124	127	126	126	122
85	38	41	38	39	37	37	35
90	1	3	3	2	1	1	1

Total System Watts 15.0

90° 75° 60° 45°
180 360 540
0° 15° 30°

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

SmartLED™ MRI Driver Modules

Fully Digital Controlled Power Source for LED Luminaires

Mounted in Kirlin's **MRI-CABNT**

Driver Module	Maximum Capacity	Fixture Load Examples
DVR-0700A	Qty 2: 1500L White Panels	• Qty 1: MRP-22285-1500L • Qty 2: MRP-22285-1500L

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MRI LIGHTING
MAY 2023