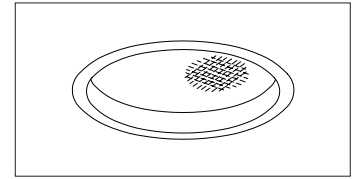


CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

7" LED 2450 LUMENS 38 SYSTEM WATTS MRR-07382

SmartLED™ MRI Lighting Systems



Regressed Lensed Downlight • White Trim
60,000+ Hour Life (L70) • 2450 Lumens • Type IC
LM-80 Qualified • LM-79 Certified Photometry

Use With:

- SmartSupply™ LPS-1220A
- SmartFilter™ RFI-3100D

Specifications

LED Light Engine*

- 38 watt LED array. 3500°K standard (or see Option -41K).
- 2450* lumens, 65 lumens per watt (total system).
- 81 CRI, 60,000+ hour life (L70).**
- Fully sustainable: removable for servicing.

Thermal Management System

- All-aluminum proprietary heat sink, components and housing maximize cool operation and long life while minimizing maintenance.

SmartSupply™ (Remote Power Supply)

Required - Order Separately

- Digitally controlled. Drives up to 6 38W LED fixtures, with 6 configurable channels.
- 100-1% full range dimming in up to 3 zones.
- LPS-1220A. Compatible with 0-10V DC dimming controls. See vendor qualified list in the owner's manual.
- Suitable for dry, non-plenum locations only with ambient temperature range of -20°C (-4°F) to 40°C (104°F). 115 - 277V; 50-60 Hz.
- For more information, see specification sheet for LPS-1220A.

SmartFilter™ (RFI / EMI Filter)

Required - Order Separately

- Protects up to 3 SmartSupply channels.
- For more information see specification sheet for RFI-3100D.

SmartPower™ Battery Backup

- EMI-21220 for emergency power.
- See specification sheet; order separately.

Trim Assembly

- Seamless tapered, white finish aluminum self-flanged trim with high efficiency reflector above.
- Optional (white only) anti-microbial Kirlin BioGuard™ finish, see Option -BG.
- Regressed tempered prismatic C#73 lens.

Acrylic Enamelled Aluminum Housing

- Rustproof and corrosion resistant: Exceeds 1000 hour ASTM 5% salt spray test.
- Shallow depth fits restricted plenums.
- Cool operation. Extends life of all components.
- Fully sustainable. Entire luminaire, including LED light engine, easily visible and serviced through aperture. Built-in plaster flange.
- Air Tight design available, see Option -AT.

Outlet Box

- Prewired, 100% aluminum, U.L. listed.
- Accessible, 1/2" knockouts.

Use of SmartSupply™ and SmartFilter™ REQUIRED or Kirlin warranty is null and void

Installation

- Requires minimum 18 AWG twisted pair shielded wire from SmartSupply™ to fixtures.
- 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, dry locations, covered ceilings.
- Type IC: for direct contact with insulation.

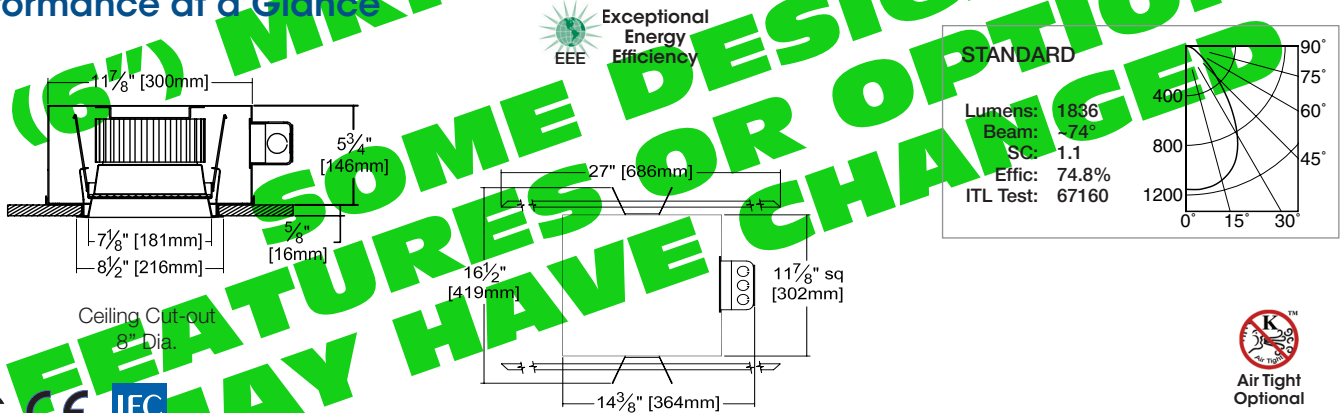
CE & FCC Compliance

- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment.
- FCC Part 15 certified for EMI/RFI emissions.

5 Year FIVE YEAR Limited Warranty

- Complete standard fixture

Performance at a Glance



THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232
(313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121 • www.kirlinlighting.com

SmartLED™ MRI Lighting Systems
Luminaires • SmartSupply • SmartFilter

MAX. LUMENS 2450
MAX. SYSTEM WATTS 38

CATALOG NUMBER
MRR-07382

Detailed Photometry - Installed Fixture

Photometry from I.T.L., Boulder, CO

Photometric testing done in accordance with IESNA LM-79-08

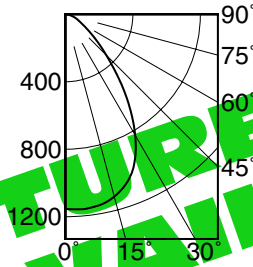
STANDARD

Lumens: 1836
Beam: ~74°
SC: 1.1
Effic: 74.8%
ITL Test: 67160



Cone of Light ▲

Dist.	FC	Dia.
6	32.1	6.6
8	18.0	8.8
10	11.5	11.1
12	8.0	13.3
14	5.9	15.5
16	4.5	17.7



CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1154	1154	1154	1154	1154
5	1160	1160	1160	1160	1160
15	1119	1119	1119	1119	1119
25	969	969	969	969	969
35	658	658	658	658	658
45	343	343	343	343	343
55	165	165	165	165	165
65	85	85	85	85	85
75	42	42	42	42	42
85	9	9	9	9	9
90	0	0	0	0	0

THIS FIXTURE IS NO LONGER AVAILABLE FOR ALTERNATIVE PLEASE SEE MRR-06427 (42W)

SOME DESIGN OPTIONS MAY HAVE CHANGED

LM-80 Qualified • LM-79 Certified Photometry

▲Cone of Light Key
Ft. Distance from fixture
FC Footcandles at nadir (0°)
Dia. Circle of light at 50% of FC

Dia. (in ft.) shown is where FC value is half the FC at nadir.

* LED manufacturers maintain a tolerance of ±7% on flux (lumens) and power (electrical) measurements. Kirlin photometrics are actual test data from Independent Testing Laboratories (ITL).
** LED Operating Characteristics: 60,000 hours at 70% lumen maintenance (L70)

Options

Color Temperature (CCT)

-41K Color temperature 4100°K. Consult factory.

Trims

- 32 White oversize trim ring. Specify O.D.
- 45 Gasket between trim flange and ceiling.
- 46 Gasket between trim and lens.
- 94 Custom color/finish. Specify. Consult factory.
- BG Anti-microbial Kirlin BioGard™ white (only) trim finish.

Other

- 79 Extension collar for ceilings up to 2" thick.
- 99 Special modification. Consult factory.
- AT Air tight medical grade sealed housing with Type IC. Meets ASTM E283 restricted airflow of 2 CFM maximum..

3 Steps To "Artifact-Free" Imaging

1. Use complete Kirlin SmartLED™ MRI system: luminaires, filters, drivers
2. Use a minimum #18 AWG twisted, shielded pair wire
3. Use a 0-10V wall box dimmer that is approved for use with SmartSupply™ (consult Owner's Manual); wall dimmers must be located outside of room shield and must not be filtered through RFI-3100D SmartFilter™

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____
TYPE _____
WATTAGE _____ VOLTAGE _____
CATALOG NUMBER _____

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALL TO N.E.C. IN NORMAL USE. Manufacturer of the fixture will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within three 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 supplied 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 the 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.