

CATALOG #	TYPE
JOB NAME	VOLTAGE

Regressed Lens 9" Cylinder • LED

Up to 60,000 Hour Life • Wet Location
LM-80 Qualified • LM-79 Certified Photometry

LSR-09480-6500L
LSR-09480-5000L
LSR-09480-3500L
LSR-09480-2500L

Specifications

Delivered System Performance*

- Lumen Series: **MUST SPECIFY**
- 6500L: 6500 nominal lumens (74W).
- 5000L: 5000 nominal lumens (55W).
- 3500L: 3500 nominal lumens (42W).
- 2500L: 2500 nominal lumens (35W).
- 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

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

LED Power Supply - INTERNAL

- Suitable for outdoor / indoor use: -30°C (-22°F) to 60°C (140°F) standard.
- 120-277V / 50-60Hz standard. Load insensitive.
- 0-10V CCR dimming standard. (100-10%)**

Trim and Optical Assembly

- Seamless tapered aluminum self-flanged trim with white finish.
- Regressed tempered prismatic spread lens.

Aluminum Housing

- Seamless white acrylic enameled. Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Interlocking flare trim.
- No visible cylinder hardware.
- Cool operation: Extends life of all components.
- Fully sustainable: Entire luminaire, including LED light engine, easily visible and serviced through aperture.
- Lightweight: minimizes ceiling load.

Installation

- Center point mounting for snug fit to ceiling. Mounting hardware furnished.
- Indoor or outdoor for covered ceiling use. Weather Cap available. See Option -89.

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered



ceilings. (See Option -89)

IEC & 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.

MUST SPECIFY		OPTIONAL	Ordering Example: LSR-09480-6500L-120-30K-94
Product Number	Voltage	Options	
LSR-09480-6500L LSR-09480-5000L LSR-09480-3500L LSR-09480-2500L	-120 (120 volts) -277 (277 volts) -97 (Specify other)	See "Options" below	

Options

Input Power: SPECIFY

- 120 120V (50-60Hz) input.
- 277 277V (50-60Hz) input.
- 97 Specify other voltage. Consult factory.

LED Power Supply

- D1 0-10V 1.0% dimming instead.
- D2 0-10V 0.1% dimming instead.
- D3 DALI 1.0% dimming instead.
- D4 DALI 0.1% dimming instead.
- D5 DMX512A 0% dimming instead. Consult factory for -6500L lumen series. Consult factory for use with pendant, cable mount.
- D40 -40°C driver with 0-10V 10% dimming instead for -3500L or -2500L only.
- ECO Digital driver for Lutron EcoSystem controls. Dims to 1% or consult factory.
- EI Remote emergency inverter for 40% of rated lumens for -6500L, 50% for -5000L and -3500L. Not available for -2500L. Run time: 90+ minutes. 120 or 277V, 60Hz input only. Specify voltage. Not for use with -FS.
- ERH REMOTE emergency battery pack. Delivers

1000 lumens. CEC Compliant. Run time: 90+ minutes. N/A with pendant, cable mount.

Color Temperature (CCT)

- 27K Color temperature 2700°K instead.
- 30K Color temperature 3000°K instead.
- 41K Color temperature 4100°K instead.
- 50K Color temperature 5000°K instead.
- HC 90+ CRI instead. Consult factory.

Lens and Trim

- 13 Clear poly lens below standard lens. Photometric distribution is unaffected.
- 23 Frosted microprismatic lens instead.
- 46 Gasket between trim and lens.
- 94 Custom color/finish. Specify. Consult factory.
- CF Custom color filter (Rosco). Specify.
- WA White acrylic (flat) diffuser instead; will produce wide flood distribution.

Luminaire (Housing) Finishes

- 35 Silver (natural aluminum) acrylic enamel.
- 37 Dark Bronze acrylic enamel.
- 38 Black acrylic enamel.
- 94 Custom color/finish. Specify. Consult factory.

Mounting

- 54 Safety cable from fixture through pendant

- 80 stem and 12" beyond. Use with -PM. 2" collar for mounting beneath surface outlet box. 1/2" T.S. KO's. Must add Option -89 for wet label listing.
- 87 Custom pendant / cable length. Specify length. Use with Option -ASB, -ASW or -PM.
- 88 Swivel canopy for sloped ceilings up to 40°. Use with Option -PM.
- 89 Sealed top WeatherCap. Must add to Options -80, -PM and -WB for wet label listing.
- ASB Aircraft cable pendant mount; black straight cord. 48" or see -87. No wet label listing.
- ASW Aircraft cable pendant mount; white straight cord. 48" or see -87. No wet label listing.
- PM Pendant mount. 8" stem or see Option -87. Must add Option -89 for wet label listing.
- WB Wall bracket mount. Must add Option -89 for wet label listing.

Other

- 99 Special modification. Consult factory.
- FS Single in-line fuse. Not for use with Option -EI.
- NAT Modified for natatorium use.

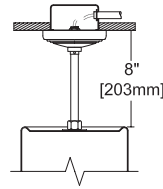
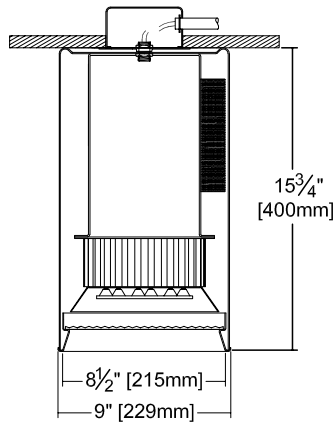
LSR-09480-6500L
LSR-09480-5000L

LSR-09480-3500L
LSR-09480-2500L



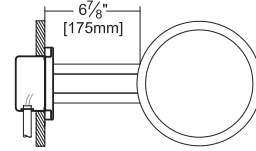
PERFORMANCE

Dimensions



Representative Views:
(Above) With optional pendant mount (Option -PM)

(Right) With optional wall bracket (Option -WB)

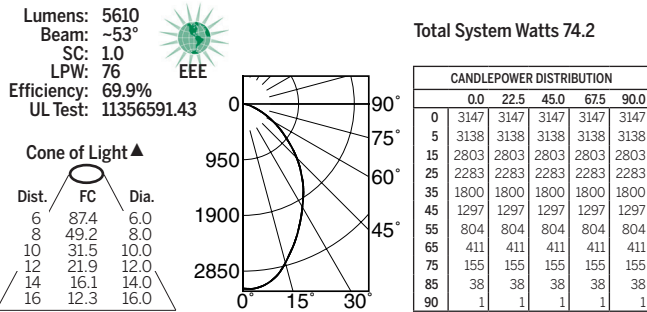


Detailed Photometry - Installed Fixture

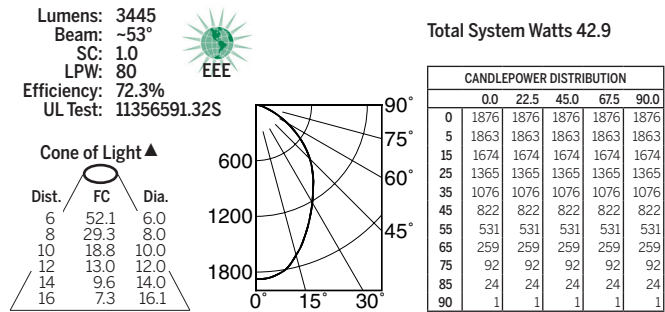
Photometry from UL Verification Services, Allentown, PA

Photometric testing done in accordance with IESNA LM-79

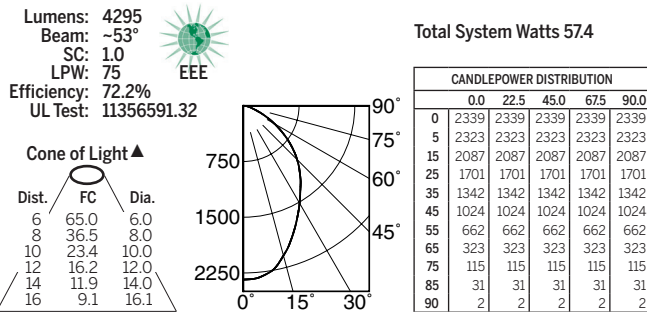
-6500L Performance



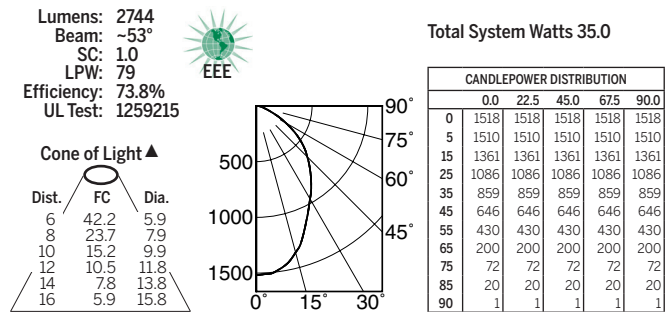
-3500L Performance



-5000L Performance



-2500L Performance



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* LED manufacturers maintain a tolerance of ±7% on flux (lumens) and power (electrical) measurements. Kirlin photometrics are actual test data from UL Verification Services (UL) where photometry was measured from 8024 lumen (-6500L), 5946 lumen (-5000L), 4768 lumen (-3500L) and 3717 lumen (-2500L) light engines (within the established tolerance).

▲ 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

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME
TYPE
CATALOG NUMBER

VOLTAGE



LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALL TO N.E.C. IN NORMAL USE. Manufacturer at the option 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 five years of original shipment. Liability of manufacturer is limited to the original 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 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.