

CATALOG #	TYPE
JOB NAME	VOLTAGE

LSR-09477-2500L

## Regressed Lens 9" Cylinder • LED

Up to 60,000 Hour Life • Wet Location

LM-80 Qualified • LM-79 Certified Photometry



### Specifications

#### Delivered System Performance\*

- Lumen Series: **MUST SPECIFY**
- 2500L: 2500 nominal lumens (35W).
- Distributions: WFL standard.
- Color temperature: 3500°K standard. Optional: -27K, -30K or -41K.
- CRI: 80+ standard. Optional: -HC (90+).
- 60,000 hour life (L70).
- Fully sustainable: removable for servicing.

#### Thermal Management System

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

#### LED Power Supply - INTERNAL

- Suitable for outdoor and/or use: -30°C (-22°F) to 50°C (120°F).
- 120-277V input - 12 standard. 120V or 277V input - 12 standard. 120V or 277V input - 12 standard. 120V or 277V input - 12 standard.

#### 0-10V CCR dimming standard. (100% dimming) Trim and Optical Assembly

- Seamless tapered aluminum self-trim with white finish.
- Regressed tapered lens with microprismatic spread lens.

#### Aluminum Housing

- Seamless white or enamel. Wet proof. Exceeds 1000 hour ASTM salt spray test.
- No visible solder hardware.
- Full operation: 100% life of all components.
- Fully sustainable: entire luminaire including LED light engine, easily visible and serviced through aperture.
- Lightweight design for ceiling load.

#### Installation

- Ceiling mount for use with mounting hardware furnished.
- Indoor or outdoor wet location use.
- Weather Cap available with Option -89.

#### UL, C-UL (Canada) Listings

- Wet damp or dry locations, covered listing. (See Option -89)
- EMC Compliance: Meets IEC/EN 60601-1 for electromagnetic compatibility standard for medical electrical equipment.
- FCC Part 15 certified for EMI/RFI emissions.
- 5 YEAR Limited Warranty
- Complete standard fixture.

MUST SPECIFY		OPTIONAL
Product Number	Voltage	Options
LSR-09477-2500L	(120 volts) (277 volts) (Specify other)	See "Options" below

#### Ordering Example:

LSR-09477-2500L-120-30K-94

### Options

#### Input Power: SPECIFY

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

#### LED Power Supply

- 29 **Two wire** full range (100-1%) PWM dimming instead (Lutron). 120V only. Not available with Option -EI.
- 39 **Three wire** full range (100-1%) PWM dimming instead (Lutron).
- 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.
- EI Remote emergency inverter for 100% of rated lumens for -2500L. Run time: 90+ minutes. 120 or 277V, 60Hz input only. Specify voltage. Not for use with Option -29 or -FS.
- ERH REMOTE emergency battery pack. Delivers 1000 lumens. Run time: 90+ minutes. CEC Compliant.

#### Color Temperature (CCT)

- 27K Color temperature 2700°K instead.
- 30K Color temperature 3000°K instead.
- 41K Color temperature 4100°K instead.
- HC 90+ CRI instead. 2700° or 3000°K only.

#### 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.

#### 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

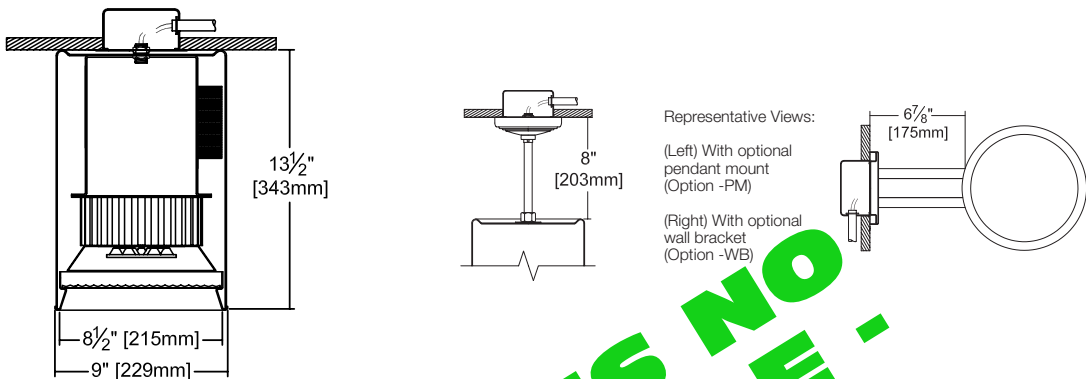
- 54 Safety cable from fixture through pendant stem and 12" beyond. Use with -PM.

- 80 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.

Dimensions

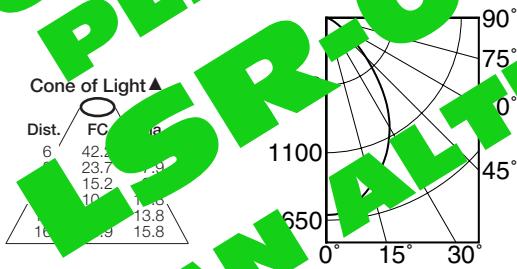


Detailed Photometry - Installed Fixture  
Photometric testing done in accordance with IESNA M-9-09 from UL Verification Services, Allentown, PA

-2500L STANDARD (WFL)

System Watts 3

lumens: 2744  
Beam: ~53°  
SC: 100  
LPV: 79  
Efficiency: 120%  
Test: 1259215



CANDLE POWER DISTRIBUTION					
	22.5	45.0	67.5	90.0	
15	1518	1518	1518	1518	1518
25	1086	1086	1086	1086	1086
35	859	859	859	859	859
45	646	646	646	646	646
55	430	430	430	430	430
65	200	200	200	200	200
75	72	72	72	72	72
85	20	20	20	20	20
90	1	1	1	1	1

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 from UL Verification Services (UL) where photometry was measured from 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.)  
Ft. Distance 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. INSTALLATION 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 two 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.