

CATALOG #	TYPE
JOB NAME	VOLTAGE

## LSR-12486-2500L

### Super Shallow 12" Downlight • 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).
- Distribution: MFL 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 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%) see options below.**

#### Trim Assembly

- White flat seamless aluminum, one piece self-flanged.
- Tempered prismatic spread distribution lens or see optional lenses.
- For vandal-resistant version, see Option -13.

#### Aluminum Housing

- Seamless white acrylic enameled.  
Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Water-tight construction with weatherproof closed cell top gasket for wet location use.
- 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

- Direct mount to any J-box pattern.
- Suitable for indoor or outdoor use.
- See Option -NAT for natatorium use.
- Optional pendant (-PM) mount.

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

- Wet listed in surface or pendant mount.

#### IEC & FCC Compliance

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

#### FIVE YEAR Limited Warranty

- Complete standard fixture.

MUST SPECIFY		OPTIONAL	Ordering Example: <b>LSR-12486-2500-120-30K-94</b>
Product Number	Voltage	Options	
<b>LSR-12486-2500L</b>	-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 use with pendant mount.
- D40 -40°C driver with 0-10V 10% dimming instead.
- ECO Digital driver for Lutron EcoSystem controls. Dims to 1% or consult factory.
- EM INTERNAL emergency battery pack. Delivers 500 lumens. Run time L 90+ minutes.

- ERH REMOTE emergency battery pack. Delivers 1000 lumens. CEC Compliant. Run time: 90+ minutes. N/A with pendant 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.

#### Lens and Trim

- 13 Vandal resistant tempered prismatic spread lens above 1/8" flat polycarbonate.
- 23 Frosted microprismatic lens instead.
- 46 Gasket between trim and lens.
- 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.

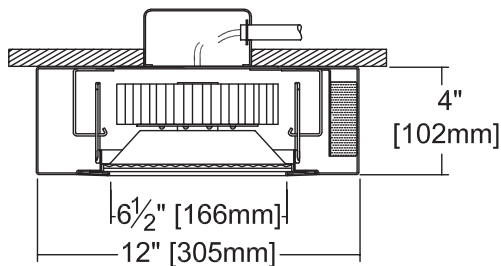
#### Mounting

- 80 2" collar for mounting beneath surface outlet box. 1/2" T.S. KO's. Covered ceilings only.
- 87 Custom pendant length. Specify length. Use with Option -PM.
- 88 Swivel canopy for sloped ceilings up to 40°. Use with Option -PM.
- PM Pendant mount instead. 8" stem or see -87.

#### Other

- 99 Special modification. Consult factory.
- FS Single in-line fuse.
- NAT Modified for natatorium use.

Dimensions



Detailed Photometry - Installed Fixture

Photometric testing done in accordance with IESNA LM-79

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

-2500L STANDARD (WFL)

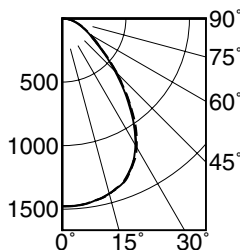
Lumens: 2846  
Beam: ~61°  
SC: 1.2  
LPW: 90  
Efficiency: 76.6%  
ITL Test: 91837



**Cone of Light ▲**

Dist.	FC	Dia.
6	41.0	7.0
8	23.1	9.4
10	14.8	11.7
12	10.3	14.1
14	7.5	16.4
16	5.8	18.7

Total System Watts 31.6



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	1477	1477	1477	1477	1477
5	1476	1478	1474	1476	1475
15	1430	1432	1426	1428	1426
25	1294	1291	1285	1287	1291
35	997	986	980	971	968
45	610	597	605	583	587
55	326	336	337	326	316
65	197	198	198	194	185
75	102	108	110	106	101
85	32	27	28	27	29
90	0	0	0	0	0

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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 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

JOB NAME

TYPE

VOLTAGE

CATALOG NUMBER

APPROVAL STAMP



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 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 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.