

CATALOG #	TYPE
JOB NAME	VOLTAGE

## Shallow Lensed 12" Downlight • LED

Up to 90,000 Hour Life • Wet Location  
LM-80 Qualified • LM-79 Certified Photometry

**LSR-12484-2000L**  
**LSR-12484-1500L**  
**LSR-12484-1000L**



### Specifications

#### Delivered System Performance\*

- Lumen Series: **MUST SPECIFY**
- 2000L: 2000 nominal lumens (25W).
- 1500L: 1500 nominal lumens (20W).
- 1000L: 1000 nominal lumens (11W).
- Distribution: WFL standard.
- Color temperature: 3500°K standard.
- Optional: -27K, -30K, -41K or -50K.
- CRI: 80+ standard. Optional: -HC (90+).
- 90,000 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, is modular, 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-12484-2000L-120-30K-94</b>
Product Number	Voltage	Options	
LSR-12484-2000L LSR-12484-1500L LSR-12484-1000L	-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.
- D40 -40°C driver with 0-10V 10% dimming instead.
- EI Remote emergency inverter for 100% of rated lumens. Run time: 90+ minutes. 120 or 277V, 60Hz input only. Specify voltage. Not for use with Option -FS.
- EM INTERNAL emergency battery pack.

† Consult factory for use with -2000L series.

Delivers 500 lumens. Run time: 90+ minutes.

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

#### Color (CCT and CRI)

- 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.

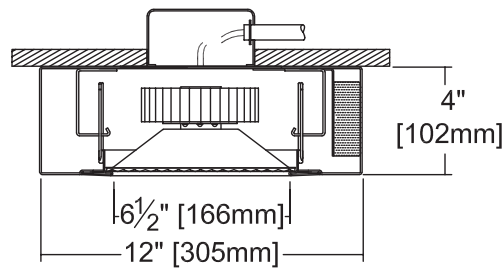
#### Mounting

- 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. Not for use with Option -EI.
- 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

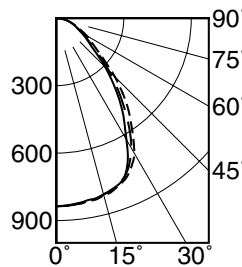
-1500L (WFL)

Lumens: 1600  
Beam: ~61°  
SC: 1.2  
LPW: 84  
Efficiency: 79.1%  
ITL Test: 91835

Total System Watts 19.1

Cone of Light ▲

Dist.	FC	Dia.
6	23.2	7.1
8	13.1	9.4
10	8.4	11.8
12	5.8	14.1
14	4.3	16.5
16	3.3	18.8



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	836	836	836	836	836
5	833	833	834	834	831
15	816	816	811	810	812
25	762	758	748	742	740
35	582	578	552	523	516
45	368	352	331	306	307
55	197	193	175	169	167
65	114	112	103	101	101
75	60	58	55	58	60
85	15	15	16	14	14
90	0	0	0	0	0

LUMEN SERIES	LUMEN FACTOR	WATTAGE FACTOR	LPW FACTOR
-2000L	1.257	1.369	0.92
-1500L	1.000	1.000	1.00
-1000L	0.579	0.495	1.17

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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 Independent Testing Laboratories (ITL) where photometry was measured from 2022 lumen (-1500L) 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: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLER 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.