CATALOG #		TYPE	
JOB NAME		VOLTAGE	

LSR-12485-2500L

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 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).
- 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.
- 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.

FIVE YEAR Limited Warranty
- Complete standard fixture.

MUST SPECIFY		OPTIONAL	
Product Number	**Voltage**	**Options**	**Ordering Example:**
LSR-12485-2500L	**-120** (120 volts) **-277** (277 volts) **-97** (Specify other)	See "Options" below	**LSR-12485-2500-120**-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.
-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.
-ECO   Digital driver for Lutron EcoSystem controls. Dims to 1% or consult factory.
-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.
-50K   Color temperature 5000°K instead.
-HC   90+ CRI instead. Consult factory.

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.
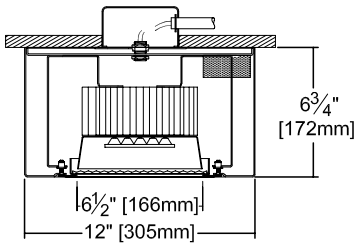-94   Custom color/finish. Specify. Consult factory.

Mounting
-80   2" collar for mounting beneath surface outlet box. 1/2" T.S. KO's. No wet label listing with Option -80. Also see Option -89.
-89   Sealed top Weather Cap for surface mount use where covered ceiling protection is not available. Must add to Option -80 for wet label listing.

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

KIRLIN
Lighting the Future Since 1895

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

LATITUDES
LED LIGHTING

*See note next page

LSR-12485-2500L

PERFORMANCE

KIRLIN
Lighting the Future Since 1895

Dimensions

6¾" [172mm]

6½" [166mm]
12" [305mm]

Detailed Photometry - Installed Fixture
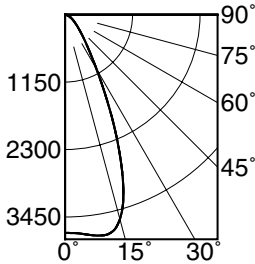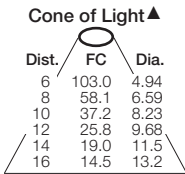Photometric testing done in accordance with IESNA LM-79

Photometry from UL Verification Services, Allentown, PA

-2500L   STANDARD   (MFL)

Lumens: 3147
Beam: ~45°
SC: 0.8
LPW: 89
Efficiency: 84.7%
UL Test: 1259216

EEE

Total System Watts 35.2

Cone of Light ▲

Dist.	FC	Dia.
6	103.0	4.94
8	58.1	6.59
10	37.2	8.23
12	25.8	9.68
14	19.0	11.5
16	14.5	13.2

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	3720	3720	3720	3720	3720
5	3757	3757	3757	3757	3757
15	3608	3608	3608	3608	3608
25	1825	1825	1825	1825	1825
35	666	666	666	666	666
45	314	314	314	314	314
55	167	167	167	167	167
65	88	88	88	88	88
75	38	38	38	38	38
85	7	7	7	7	7
90	0	0	0	0	0

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.

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

ARRA QUALIFIED