

CATALOG #	TYPE
JOB NAME	VOLTAGE

LRR-05435-2500L

“Dead Front” Showerlight • 5” • LED

Up to 60,000 Hour Life • Wet Location
10% Dimming • 5 CCT • 3-Step Binning
LM-80 Qualified • LM-79 Certified



Specifications

Delivered System Performance*

- Lumen Series: **MUST SPECIFY**
- 2500L: 2500 nominal lumens (35W).
- 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 Protection: SPECIFY VOLTAGE

- Thermal protector for insulation detection per UL/NEC. Must specify input voltage.

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%)

Trim Assembly

- Electrically non-conducting “dead front” design.
- Rustproof. Gasketed.
- White polycarbonate trim with radial clear polycarbonate lens.

Acrylic Enameled Aluminum Housing

- Rustproof and corrosion resistant: Exceeds 1000 hour ASTM 5% salt spray test.
- Shallow depth fits restricted plenums.
- Cool operation: Extends life of all components.
- Entire luminaire, including LED light engine, is modular, easily visible and serviced through aperture.
- Built-in plaster flange.

Outlet Box

- UL listed J-box with insulated removable cover. Prewired 14 GA (NEC) with ½” and ¾” knockouts.

Installation

- Recess indoor or outdoor.
- Accommodates ceilings up to 1-1/8” thick.
- Compatible with fire rated enclosures (by others).
- 27” galvanized hanger bars with adjustable mounting brackets (2) supplied.

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- Through-branch conductors (4 #12 AWG 90°C).

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: LRR-05435-2500L-120-30K-79
Product Number	Voltage	Options	
LRR-05435-2500L	-120 (120 volts) -277 (277 volts) -97 (Specify other)	See “Options” below	

Options

Input Power: SPECIFY

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

LED Power Supply

- D1 0-10V 1.0% dimming instead.
- D2 0-10V 0.1% 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

- 32 White oversize trim ring. Specify O.D.

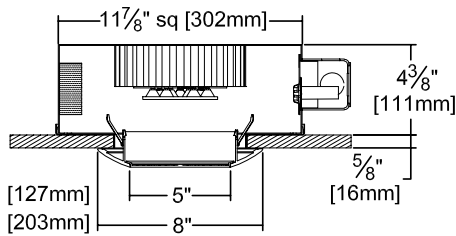
Other

- 79 Extension collar for ceilings up to 2” thick.
- 99 Special modification. Consult factory.
- FS Single in-line fuse.
- RH Residential mounting hardware instead. Suitable for wood joist ceilings with spacing from 14½” to 25½” with 5/8” vertical adjustability.
- SH Sealed housing and junction box.

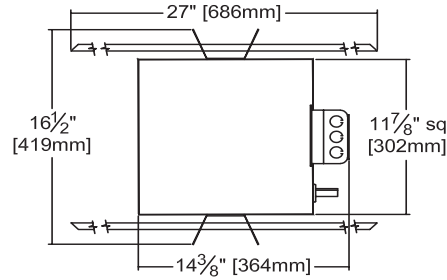
LRR-05435-2500L

PERFORMANCE

Dimensions



Ceiling Cut-out
6 1/2" Dia.



Detailed Photometry - Installed Fixture

Photometric testing done in accordance with IESNA LM-79

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

-2500L Performance

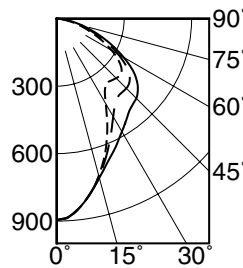
Lumens: 1878
Beam: ~45°
SC: 0.9
LPW: 54
Efficiency: 50.5%
ITL Test: 87513



Cone of Light ▲

Dist.	FC	Dia.
6	24.9	5.4
8	14.0	7.2
10	9.0	8.9
12	6.2	10.7
14	4.6	12.5
16	3.5	14.3

Total System Watts 34.9



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	895	895	895	895	895
5	870	870	869	867	867
15	723	732	727	724	733
25	533	606	570	544	625
35	376	504	456	395	546
45	374	471	438	386	501
55	342	400	382	352	420
65	213	253	239	221	263
75	94	114	106	98	120
85	16	20	18	17	21
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 Independent Testing Laboratories (ITL) 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. 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 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.