

CATALOG #	TYPE
JOB NAME	VOLTAGE

LSR-06473-1500L
LSR-06473-1000L

Lensed Downlight 6" Cylinder • LED

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



Specifications

Delivered System Performance*

- Lumen Series: **MUST SPECIFY**
- 1500: 1500 nominal lumens (20W).
- 1000L: 1000 nominal lumens (11W).
- Distribution: MFL standard.
- Optional: -SPT, -NFL or -WFL.
- 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 heat sink, components and housing maximize cool operation and long life while minimizing maintenance.

LED Power Supply - INTERNAL

- 120-277V / 50-60Hz standard. Load insensitive.

- Suitable for outdoor / indoor use: -30°C (-22°F) to 60°C (140°F) standard.
- 0-10V CCR dimming standard. (100-10%)**

Trim Assembly

- Seamless white self-flanged aluminum.
- Regressed tempered prismatic spread lens.

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, is modular, 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. (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	Ordering Example: LSR-06473-1500L-120-30K-NFL
Product Number	Voltage	Options	
LSR-06473-1500L LSR-06473-1000L	-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 for -1500L. Run time: 90+ minutes. 120 or 277V, 60Hz input only. Specify voltage. Not for use with Option -FS.
- ERH REMOTE emergency battery pack. Delivers 1000 lumens. Run time: 90+ minutes. CEC Compliant. N/A with pendant, cable 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. Consult factory.

Optics

- NFL Narrow flood distribution.
- SPT Spot distribution.
- WFL Wide flood distribution.

Lens and Trim

- 13 Clear poly lens below lens. Photometric distribution is unaffected.
- 23 Frosted microprismatic lens instead.
- 94 Custom color/finish. Specify. Consult factory.
- 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.

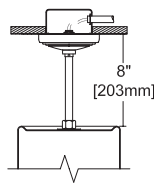
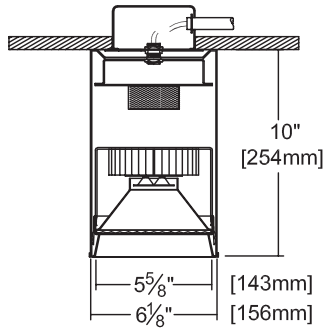
Mounting

- 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. Use with Option -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.

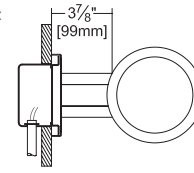
Dimensions



Representative Views:

(Left) With optional pendant mount (Option -PM)

(Right) With optional wall bracket (Option -WB)



Detailed Photometry - Installed Fixture

Photometric testing done in accordance with IESNA LM-79

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

▲ 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

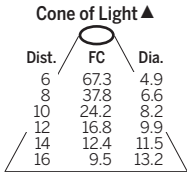
-1500L STANDARD (MFL)

Lumens: 1721
Beam: ~45°
SC: 0.8
LPW: 83
Effic: 85.1%
ITL Test: 87190



Total System Watts 20.8

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	2421	2421	2421	2421	2421
5	2446	2449	2467	2478	2469
10	2322	2445	2552	2481	2371
15	978	1116	1234	1147	1018
20	251	266	280	274	263
25	89	91	91	95	94
30	34	34	34	35	35
35	13	13	13	13	13
40	2	2	2	2	2
45	0	0	0	0	0
90	0	0	0	0	0



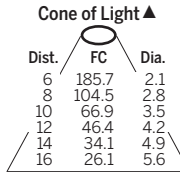
-1500L Option -SPT

Lumens: 1744
Beam: ~19°
SC: 0.3
LPW: 83
Effic: 86.3%
ITL Test: 85865



Total System Watts 21.0

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	10374	10374	10374	10374	10374
5	8968	8968	8968	8968	8968
10	2093	2093	2093	2093	2093
15	469	469	469	469	469
20	143	143	143	143	143
25	53	53	53	53	53
30	21	21	21	21	21
35	8	8	8	8	8
40	2	2	2	2	2
45	0	0	0	0	0
90	0	0	0	0	0



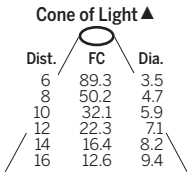
-1500L Option -NFL

Lumens: 1553
Beam: ~33°
SC: 0.6
LPW: 74
Effic: 76.8%
ITL Test: 87936



Total System Watts 20.9

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	3213	3213	3213	3213	3213
5	3035	3041	3039	3038	3032
10	2002	1982	2002	1989	1991
15	912	902	909	908	903
20	316	307	313	318	311
25	76	75	77	78	78
30	30	30	30	30	30
35	11	11	11	12	11
40	2	2	2	2	3
45	0	0	0	0	0
90	0	0	0	0	0



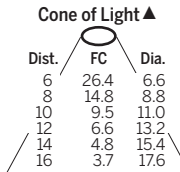
-1500L Option -WFL

Lumens: 1514
Beam: ~58°
SC: 1.1
LPW: 71
Efficiency: 74.9%
ITL Test: 85867



Total System Watts 21.2

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	950	950	950	950	950
5	947	947	947	947	947
10	933	933	933	933	933
15	797	797	797	797	797
20	556	556	556	556	556
25	328	328	328	328	328
30	143	143	143	143	143
35	54	54	54	54	54
40	13	13	13	13	13
45	0	0	0	0	0
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 2022 lumen (-1500L) light engines (within the established tolerance).

LUMEN SERIES	LUMEN FACTOR	WATTAGE FACTOR	LPW FACTOR
-1000L	0.579	0.495	1.17

SUBMITTAL DATA

JOB NAME _____
TYPE _____
WATTAGE _____ 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 repairing 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.