

CATALOG #	TYPE
JOB NAME	VOLTAGE

Surface Regress Lens Downlight • LED

Up to 60,000 Hour Life • Wet Location
LM-80 Qualified • LM-79 Certified Photometry

LSS-13565-6500L
LSS-13565-5000L
LSS-13565-3500L



Specifications

Delivered System Performance*

- Lumen Series: **MUST SPECIFY**
- 6500L: 6500 nominal lumens (74W).
- 5000L: 5000 nominal lumens (55W).
- 3500L: 3500 nominal lumens (42W).
- Distribution: WFL 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) standard.
- 120-277V / 50-60Hz standard. Load insensitive.
- 0-10V CCR dimming standard. (100-10%)**

Trim and Optical Assembly

- Seamless tapered aluminum self-flanged trim with white finish.
- Regressed tempered prismatic spread lens.

Aluminum Housing

- Rigid, tempered extruded 6063-T6 with white acrylic enameled finish.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- No visible housing 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	Ordering Example: LSS-13565-6500L-120-30K-94
Product Number	Voltage	Options	
LSS-13565-6500L LSS-13565-5000L LSS-13565-3500L	-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 100-1.0% dimming instead.
- D2 0-10V 100-0.1% dimming instead.
- D3 DALI 100-1.0% dimming instead.
- D4 DALI 100-0.1% dimming instead.
- D5 DMX512A 0% dimming instead. Consult factory for use with pendant, cable mount.
- D40 -40°C driver with 0-10V 10% dimming instead for -3500L only.
- ECO Digital driver for Lutron EcoSystem controls. Dims to 1% or consult factory.
- EI Remote emergency inverter for 40% of rated lumens for -6500L, 50% for -5000L and -3500L. 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. CEC Compliant. Run time:

90+ minutes. N/A with pendant, cable 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. Consult factory.

Lens and Trim

- 13 Vandal resistant tempered prismatic spread lens above 1/8" flat polycarbonate.
- 17 .187" prismatic flat high strength acrylic.
- 23 Frosted microprismatic lens instead.
- 46 Gasket between trim and lens.
- 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 or cable length. Specify length. Use with Option -ASB, -ASW or -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.

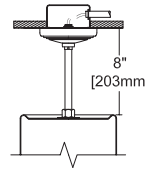
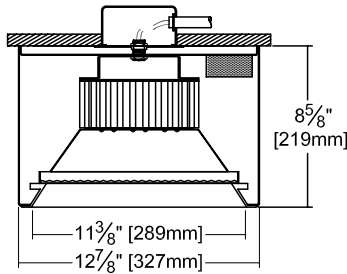
Other

- 99 Special modification. Consult factory.
- FS Single in-line fuse. Not for use with Option -EI.

LSS-13565-6500L
LSS-13565-5000L
LSS-13565-3500L

PERFORMANCE

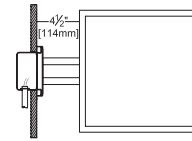
Dimensions



Representative Views:

(Above) 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 and UL Verification Services, Allentown, PA

-6500L Performance

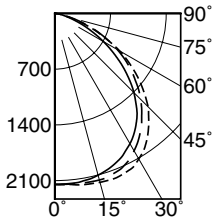
Lumens: 5975
Beam: ~68°
SC: 1.4
LPW: 81
Efficiency: 74.5%
ITL Test: 86361



Total System Watts 73.6

Cone of Light ▲

Dist.	FC	Dia.
6	59.7	8.1
8	33.6	10.9
10	21.5	13.6
12	14.9	16.3
14	11.0	19.0
16	8.4	21.7



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	2148	2148	2148	2148	2148
5	2157	2158	2152	2147	2145
15	2196	2190	2166	2122	2103
25	2181	2146	2093	2024	1989
35	1996	1935	1861	1805	1764
45	1658	1598	1525	1457	1406
55	1190	1177	1128	1023	939
65	655	677	672	551	483
75	192	219	226	175	155
85	30	31	29	29	28
90	0	0	0	0	0

-3500L Performance

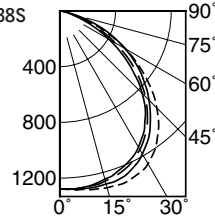
Lumens: 3527
Beam: ~68°
SC: 1.4
LPW: 82
Efficiency: 74.0%
UL Test: 11356591.38S



Total System Watts 43.1

Cone of Light ▲

Dist.	FC	Dia.
6	35.5	8.2
8	20.0	10.9
10	12.8	13.6
12	8.9	16.3
14	6.5	19.0
16	5.0	21.7



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	1278	1278	1278	1278	1278
5	1290	1285	1283	1281	1283
15	1314	1305	1286	1264	1250
25	1301	1281	1243	1207	1185
35	1199	1153	1112	1074	1055
45	984	951	906	869	836
55	699	696	672	605	554
65	378	401	406	318	272
75	89	107	127	85	74
85	16	17	16	16	15
90	1	1	1	1	1

-5000L Performance

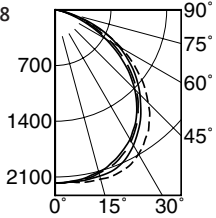
Lumens: 4398
Beam: ~67°
SC: 1.4
LPW: 76
Efficiency: 74.0%
UL Test: 11356591.38



Total System Watts 57.6

Cone of Light ▲

Dist.	FC	Dia.
6	60.4	8.0
8	34.0	10.6
10	21.7	13.3
12	15.1	15.9
14	11.1	18.6
16	8.5	21.2



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	2175	2175	2175	2175	2175
5	2171	2172	2172	2168	2165
15	2202	2192	2162	2124	2108
25	2173	2136	2077	2005	1972
35	1975	1905	1828	1776	1752
45	1649	1590	1505	1444	1412
55	1210	1179	1131	1035	969
65	689	709	704	569	497
75	187	218	226	162	135
85	26	26	25	24	23
90	1	2	2	3	3

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) and UL Verification Services (UL) where photometry was measured from 8024 lumen (-6500L), 5946 lumen (-5000L) and 4768 lumen (-3500L) 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

APPROVAL STAMP

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER



LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLLED 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 original manufacturer 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.