

CATALOG #	TYPE
JOB NAME	VOLTAGE

Surface Square K-Lens Downlight • LED

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

LSS-13560-6500L
LSS-13560-5000L
LSS-13560-3500L



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 Assembly

- Shock-resisting, UV absorbing prismatic convex widespread Kirlin lens. See Options for others.
- Rustfree polished nickel stainless door (304-L) and captive thumb screw. Concealed hinges for fast relamping.
- Beveled cast aluminum frame tooled to ensure close fit with door. White acrylic finish.

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-13560-6500L-120-30K-94
Product Number	Voltage	Options	
LSS-13560-6500L LSS-13560-5000L LSS-13560-3500L	-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. Also see Option -26.
- 17 .187" prismatic flat high strength acrylic lens. Also see Option -26.
- 23 Frosted microprismatic lens instead.
- 26 Tamper-resistant button head recessed hex screw with center pin and 1 key / 10 fixtures. Gasket between trim and lens.
- 46 Custom color/finish. Specify. Consult factory.
- 94 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.

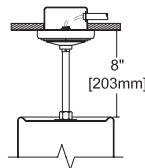
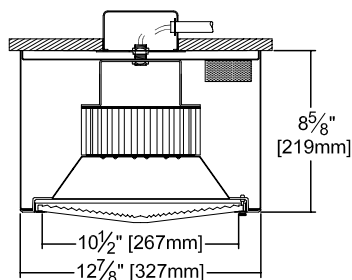
Other

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

LSS-13560-6500L
LSS-13560-5000L
LSS-13560-3500L

PERFORMANCE

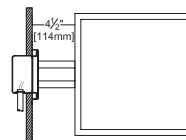
Dimensions



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

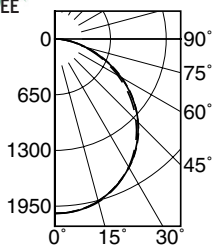
Lumens: 5795
Beam: ~65°
SC: 1.3
LPW: 78
Efficiency: 72.2%
ITL Test: 86360



Total System Watts 74.0

Cone of Light ▲

Dist.	FC	Dia.
6	56.5	7.6
8	31.8	10.1
10	20.3	12.6
12	14.1	15.1
14	10.4	17.7
16	7.9	20.2



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	2034	2034	2034	2034	2034
5	2026	2026	2028	2028	2028
15	1955	1961	1968	1960	1958
25	1816	1819	1822	1821	1819
35	1629	1617	1609	1617	1624
45	1376	1357	1337	1357	1372
55	1072	1043	1021	1041	1063
65	723	703	678	695	714
75	381	373	360	368	374
85	115	114	112	114	114
90	28	30	29	30	29

-3500L Performance

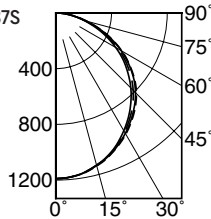
Lumens: 3375
Beam: ~63°
SC: 1.3
LPW: 78
Efficiency: 70.8%
UL Test: 11356591.37S



Total System Watts 43.1

Cone of Light ▲

Dist.	FC	Dia.
6	33.1	7.4
8	18.6	9.9
10	1.9	12.4
12	8.3	14.9
14	6.1	17.3
16	4.7	19.8



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	1190	1190	1190	1190	1190
5	1183	1183	1183	1183	1183
15	1137	1136	1131	1132	1134
25	1055	1046	1039	1094	1051
35	948	930	910	988	940
45	818	792	762	859	809
55	644	619	592	704	639
65	443	421	400	519	438
75	232	222	212	316	228
85	70	68	62	132	59
90	7	9	11	11	11

-5000L Performance

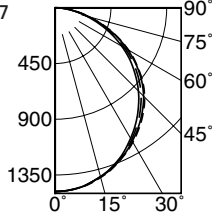
Lumens: 4208
Beam: ~63°
SC: 1.3
LPW: 73
Efficiency: 70.8%
UL Test: 11356591.37



Total System Watts 57.6

Cone of Light ▲

Dist.	FC	Dia.
6	41.2	7.4
8	23.2	9.9
10	14.8	12.4
12	10.3	14.9
14	7.6	17.3
16	5.8	19.8



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	1484	1484	1484	1484	1484
5	1475	1475	1476	1475	1475
15	1418	1416	1411	1412	1413
25	1315	1304	1296	1304	1311
35	1182	1160	1135	1154	1172
45	1020	988	950	979	1009
55	803	772	738	767	797
65	552	525	499	521	546
75	289	277	264	274	284
85	87	85	77	74	73
90	8	11	14	14	13

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. 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.