

CATALOG #	TYPE
JOB NAME	VOLTAGE

LWS-07580-3500L
LWS-07580-2500L

Direct / Indirect Square • 7" • LED

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



Specifications

Delivered System Performance*

- Lumen Series: **MUST SPECIFY**
-3500L: 3500 nominal lumens (42W) direct; 2500 nominal lumens (35W) indirect.
-2500L: 2500 nominal lumens (35W) direct; 2500 nominal lumens (35W) indirect.
- Distributions: 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).
- 120-277V / 50-60Hz standard. Load

insensitive.

- **0-10V CCR dimming standard. (100-10%)**

Trim Assembly - Direct Position

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

WeatherCap

- Indirect position. Prismatic glass lens.

Aluminum Housing

- Seamless white acrylic enameled with wall bracket.
- Rigid, tempered extruded 6063-T6 with white acrylic enameled finish.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- No visible hardware.
- Cool operation: Extends life of all components.
- Fully sustainable: Entire luminaire, including LED light engine, easily visible and serviced.

Installation

- Wall bracket extrusion assembled to

housing. Wall plate included, for recessed outlet box.

- Mounting hardware included.
- Indoor or outdoor.

UL, C-UL (Canada) Listings

- Wet, damp or dry locations.

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: LWS-07580-3500L-120-30K-94
Product Number	Voltage	Options	
LWS-07580-3500L LWS-07580-2500L	-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.
- ECO Digital driver for Lutron EcoSystem controls. Dims to 1% or consult factory. Standard wall bracket mount only; consult factory for availability and pricing.
- EI Remote emergency inverter for 50% of rated lumens for -3500L (direct position). Not available for -2500L. Run time: 90+ minutes. 120 or 277V, 60Hz input only. Specify voltage. Not for use with Option -FD or -FS.

- 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.

Trim (Direct Position Only)

- 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

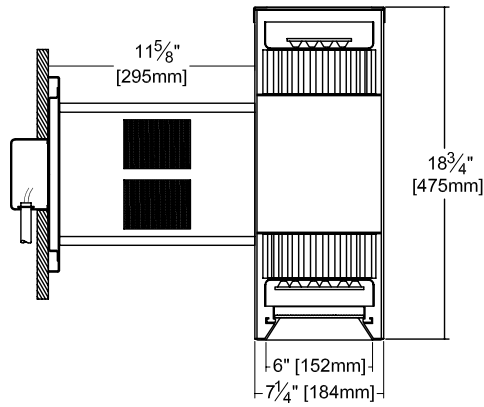
- 35 Silver (natural aluminum) acrylic enamel.
- 37 Dark Bronze acrylic enamel.
- 38 Black acrylic enamel.
- 94 Custom color/finish. Specify. Consult factory.

Other

- 84 Wired for two circuits. Also see Option -FD.
- 99 Special modification. Consult factory.
- FD Dual In-line fusing for use with Option -84. Not for use with Option -EI.
- FS Single in-line fuse. Not for use with Option -EI.

PERFORMANCE

Dimensions



Detailed Photometry - Installed Fixture

Photometry from UL Verification Services, Allentown, PA

Photometric testing done in accordance with IESNA LM-79

-3500L (3500 / 2500)

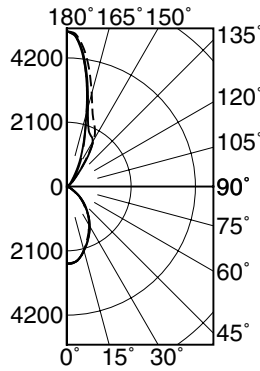
Dn Lumens: 3534
Up Lumens: 3073
Dn Beam: ~50°
SC: 0.9
LPW: 86
Efficiency: 77.9%
UL Test: 11356591.40



Cone of Light ▲

Dist.	FC	Dia.
6	69.9	5.6
8	39.3	7.5
10	25.2	9.4
12	17.5	11.3
14	12.8	13.2
16	9.8	15.0

Total System Watts 77.1



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	2516	2516	2516	2516	2516
10	2389	2382	2377	2369	2382
30	1443	1460	1505	1470	1465
50	562	577	597	591	598
70	45	56	67	62	55
90	1	3	6	10	11
110	51	53	55	42	37
130	241	244	227	157	125
150	1759	1972	1686	831	683
170	4040	3923	3741	3665	3645
180	5080	5080	5080	5080	5080

-2500L (2500 / 2500)

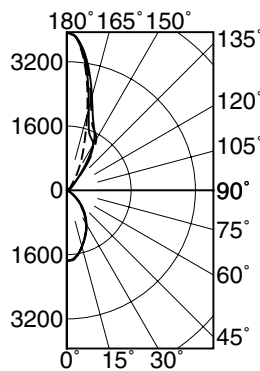
Dn Lumens: 2236
Up Lumens: 2421
Dn Beam: ~48°
SC: 0.9
LPW: 66
Efficiency: 62.6%
UL Test: 1259220



Cone of Light ▲

Dist.	FC	Dia.
6	48.9	5.4
8	27.5	7.2
10	17.6	9.0
12	12.2	10.8
14	9.0	12.6
16	6.9	14.4

Total System Watts 70.3



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	1761	1761	1761	1761	1761
10	1589	1604	1616	1607	1625
30	970	971	980	963	949
50	307	331	350	327	298
70	35	36	37	39	39
90	1	2	3	5	6
110	29	33	45	45	43
130	105	129	191	208	204
150	559	675	1314	1462	1315
170	2837	2840	2920	3035	3105
180	3933	3933	3933	3933	3933

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 8486 lumen (-3500L) and 7434 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

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. INSTALLER 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.