

CATALOG #	TYPE
JOB NAME	WATTAGE VOLTAGE

9" LED 4800 • 3300 LUMEN SERIES 74 • 55 WATT LSR-09481

Regressed Lens Cylinder • LED

Up to 60,000 Hour Life • Wet Location • Available 74W and 55W
LM-80 Qualified • LM-79 Certified Photometry



Specifications

Delivered System Performance*

- Standard WFL distribution: 4680 delivered lumens / 64 LPW / 1.0 SC.
- 74 watt LED array. 3500°K standard (or see Options -27K, -30K or -41K).
- Up to 85 CRI and 60,000 hour life (L70). For 90+ CRI, see Option -HC.
- Option -43: 3300 lumen / 55 watt series package instead.
- Fully sustainable: removable for servicing.

Thermal Management System

- All aluminum proprietary heat sink, components and housing maximize cool operation and long life while minimizing maintenance.

LED Power Supply

- Suitable for outdoor / indoor use. -30°C (-22°F) to 60°C (140°F).
- 120-277V / 50/60Hz standard. Load insensitive.
- 6000+ hours life (L70) standard. Load insensitive.
- For HiLume dimming, see Option -29 or -39.

Trim and Optical Assembly

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

Aluminum Housing

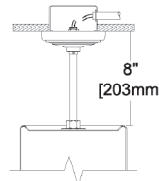
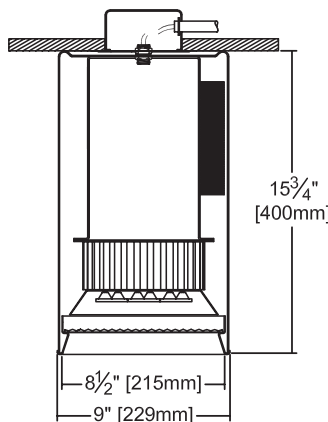
- Seamless white acrylic enameled. Rust proof. Exceeds 1000 hour ASTM 5% salt spray test.
- Interlocking flare trim.
- No visible cylinder or trim.
- Cool operation extends life of all components.
- Fully sustainable: Energy efficient, including low light emissions, serviceable and serviced through paper.
- Low voltage minimizes ceiling damage.

- Center point mount. Mounting hardware included.
- 2" collar. Surface mount. (See Options -PM, -WB)

- Indoor or outdoor for covered ceiling use. Weather resistant. See Option -89.
- UL (Canada) Listings
- Meets IEC EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment.
- FCC Part 15 certified for EMI/RFI emissions.

5 Year Limited Warranty
• Complete standard fixture.

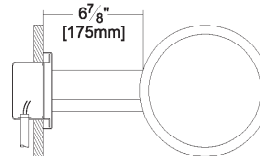
Performance at a Glance



Representative Views:

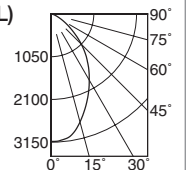
(Above) With optional pendant mount (Option -PM)

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



STANDARD (WFL) DISTRIBUTION

Lumens: 4680
Beam: ~51°
SC: 1.0
LPW: 64
Efficiency: 80.6%
ITL Test: 81379



THE KIRLIN COMPANY

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*See note next page

LATITUDES LED LIGHTING

CATALOG NUMBER
LSR-09481

DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE. THE KIRLIN COMPANY EXPECTS PHOTOMETRIC PERFORMANCE TO IMPROVE SIGNIFICANTLY AND FREQUENTLY AS LED SOURCE TECHNOLOGY IMPROVES.

Detailed Photometry - Installed Fixture

Photometric testing done in accordance with IESNA LM-79-08

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

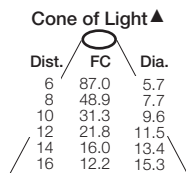
STANDARD (WFL) (74W)

Lumens: 4680
Beam: ~51°
SC: 1.0
LPW: 64
Efficiency: 80.6%
ITL Test: 81379



Total System Watts 73.1

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	3132	3132	3132	3132	3132
5	3106	3106	3106	3106	3106
15	2748	2748	2748	2748	2748
25	2166	2166	2166	2166	2166
35	1606	1606	1606	1606	1606
45	1052	1052	1052	1052	1052
55	535	535	535	535	535
65	216	216	216	216	216
75	72	72	72	72	72
85	22	22	22	22	22
90	0	0	0	0	0

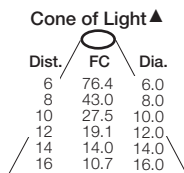
**Option -43(55W)**

Lumens: 3722
Beam: ~53°
SC: 1.0
LPW: 67
Efficiency: 88.2%
ITL Test: 80537



Total System Watts 55.7

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	2750	2750	2750	2750	2750
5	2713	2713	2713	2713	2713
15	2413	2413	2413	2413	2413
25	1993	1993	1993	1993	1993
35	1428	1428	1428	1428	1428
45	742	742	742	742	742
55	283	283	283	283	283
65	99	99	99	99	99
75	35	35	35	35	35
85	11	11	11	11	11
90	0	0	0	0	0

**LM-80 Qualified • LM-79 Certified Photometric**

* LED manufacturers maintain a tolerance of ±5% on lumen (lumens) and power (watts) measurements. Kirlin's photometrics are actual test data from an independent testing laboratory. (The above photometry was measured from 5806 lumen (74W) and 3722 lumen (55W) light engines within the established tolerance).

Cone of Light Key

Ft. Distance from fixture
FC Footcandles at nadir (0°)
Dia. Circle of light at 50% of FC

Options**LED Power Supply**

- 29 **Two wire** full range (100-1%) PWM dimming instead (Lutron). 120V only. Consult factory for availability with Option -43(55W). Not available with Option -EI.
- 39 **Three wire** full range (100-1%) PWM dimming instead (Lutron).
- 43 3300 lumen / 55 watt series package instead. Also see Option -29 or -39.
- 97 Specify other voltage. Consult factory.
- EI Remote emergency inverter for 45% of rated lumens for 74W. Not available for -43(55W). Run time: 90+ minutes. 120 or 277V, 60Hz input only. Specify voltage. Dual circuit standard 74W only. Also see Option -FD. Not for use with Option -29.

Color Temperature (CCT)

- 27K Color temperature 2700°K instead.
- 30K Color temperature 3000°K instead.
- 41K Color temperature 4100°K instead.
- HC 90+ CRI instead. 2700° or 3000°K only. Reduces output by ~15%.

LED Lens Options

- 20 Clear poly lens below standard lens. Photometric verification is unaffected.
- 21 White translucent flat poly diffuser instead.
- 23 Clear microprismatic lens instead.
- 46 Gasket between trim and lens.
- CF Custom color/finish. Specify. Consult factory.

Luminaire (Housing) Finishes

- 35 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.

- 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.
- FD Dual circuit fusing for use only with Option -EI at 74W.
- FS In-line fusing.

SUBMITTAL DATA

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

APPROVAL STAMP

LIMITED WARRANTY: KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE 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 three 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 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.