

CATALOG #	TYPE
JOB NAME	VOLTAGE

LRR-06030-2000L
LRR-06030-1500L
LRR-06030-1000L



Open Appearance 6" Adjustable • LED

Up to 90,000 Hour Life • Air Tight Optional • Type IC
 10% Dimming • 3 Distributions • 5 CCT • 3-Step Binning
 LM-80 Qualified • LM-79 Certified • Wet Location

Specifications

Delivered System Performance*

- Lumen Series: **MUST SPECIFY**
- 2000L: 2000 nominal lumens (25W).
- 1500L: 1500 nominal lumens (20W).
- 1000L: 1000 nominal lumens (11W).
- Distribution: NFL standard.
- Optional: -SPT or -MFL.
- 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.

Center Beam Optics

- Self-aligns with trim for optimal performance.
- Hot aiming by hand.
- Tilts from 0° to 45° and locks in place.
- Rotates full 360° and locks in place.
- Accommodates sloped ceilings up to 45°.

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

- Clear specular aluminum trim.
- Self-flanged, low glare angle-cut cone with lens above.
- Optional colors and finishes available.

Acrylic Enameled Aluminum Housing

- Rustproof and corrosion resistant: Exceeds 1000 hour ASTM 5% salt spray test.
- Shallow depth fits restricted plenums.
- Cool operation: Extends life of all components.
- Entire luminaire, including LED light engine, is modular, easily visible and serviced through aperture.
- Built-in plaster flange.

Outlet Box

- UL listed J-box with insulated removable cover. Prewired 14 GA (NEC) with 1/2" and 3/4" knockouts.

Installation

- Recess indoor or outdoor.
- Accommodates ceilings up to 1-1/8" thick.
- Compatible with fire rated enclosures (by others).
- 27" galvanized hanger bars with adjustable mounting brackets (2) supplied.

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- Type IC: for direct contact with insulation.
- Through-branch conductors (4 #12 AWG 90°C) for Type IC Listing.

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: LRR-06030-2000L-120-30K-MFL
Product Number	Voltage	Options	
LRR-06030-2000L LRR-06030-1500L LRR-06030-1000L	-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.
- D5† DMX512A 0% dimming instead for -1000L only.
- D40 -40°C driver with 0-10V 10% dimming instead.
- EI Remote emergency inverter for 100% of rated lumens. Run time: 90+ minutes. 120 or 277V, 60 Hz input only. Specify voltage. Not for use with Options -FS.
- EM INTERNAL emergency battery pack. Delivers 500 lumens. Run time: 90+ minutes.
- ERH REMOTE emergency battery pack. Delivers

† Consult factory for use with -2000L lumen series.

1000 lumens. Run time: 90+ minutes. CEC Compliant.

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

- MFL Medium flood distribution.
- SPT Spot distribution.

Trim

- 30T White enamel (complete trim).
- 30F White enamel (flange only).
- 32 White oversize trim ring. Specify O.D.
- 35T Silver enamel (complete trim).
- 35F Silver enamel (flange only).
- 37T Dark bronze enamel (complete trim).
- 37F Dark bronze enamel (flange only).
- 38T Black enamel (complete trim).
- 38F Black enamel (flange only).
- 45 Gasket between trim flange and ceiling.

- 70T Clear semi-specular SofTex™ (complete trim).
- 94 Custom color/finish. Specify. Consult factory.
- CF Custom color filter (Rosco). Specify.
- DF Electrically isolated "dead front" gasketed trim.
- DL Downlight cone instead. Clear specular finish standard or add optional trim selection.

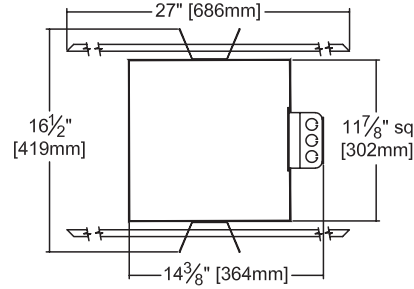
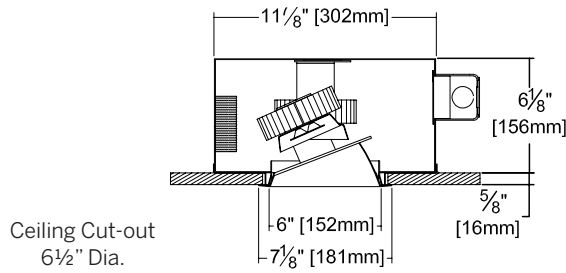
Other

- 99 Special modification. Consult factory.
- AT Air tight version. Meets ASTM E283 restricted airflow of 2 CFM maximum.
- FS Single in-line fuse. Not for use with Option -EI.
- RH Residential mounting hardware instead. Suitable for wood joist ceilings with spacing from 14 1/8" to 25 1/8" with 5/8" vertical adjustability.

Projected L70** for Kirlin Luminaires	
In Open Plenum	90,000 hours
In Insulation (Type IC)	60,000 hours

** Hours at 70% lumen maintenance

Dimensions



Detailed Photometry - Installed Fixture

Photometric testing done in accordance with IESNA LM-79

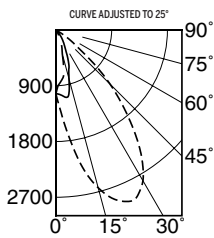
Photometry from I.T.L., Boulder, CO

-1500L STANDARD (NFL)

Lumens: 1508
Beam: ~38°
SC: 0.6
LPW: 72
Efficiency: 74.6%
ITL Test: 87940



Total System Watts 21.0



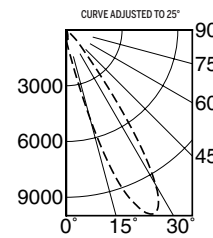
	CANDLEPOWER DISTRIBUTION				
	0.0	45.0	90.0	135.0	180.0
0	1025	1025	1025	1025	1025
5	1498	1339	1058	886	844
15	2636	1810	815	475	403
25	3015	1568	397	165	122
35	2373	940	172	54	36
45	1237	386	50	13	10
55	270	62	7	1	1
65	12	5	1	0	0
75	2	1	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

-1500L Option -SPT

Lumens: 1581
Beam: ~18°
SC: 0.3
LPW: 75
Efficiency: 78.2%
ITL Test: 87515



Total System Watts 21.0



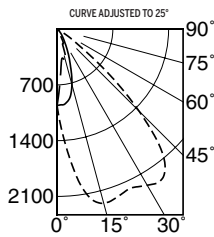
	CANDLEPOWER DISTRIBUTION				
	0.0	45.0	90.0	135.0	180.0
0	536	536	536	536	536
5	886	752	515	403	384
15	4904	1070	247	197	197
25	10926	964	115	79	78
35	4798	538	64	38	29
45	739	110	21	7	5
55	31	10	2	0	0
65	4	1	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

-1500L Option -MFL

Lumens: 1559
Beam: ~46°
SC: 0.8
LPW: 74
Efficiency: 77.1%
ITL Test: 87516



Total System Watts 21.0



	CANDLEPOWER DISTRIBUTION				
	0.0	45.0	90.0	135.0	180.0
0	958	958	958	958	958
5	1555	1372	952	634	533
15	2262	2121	720	469	428
25	2200	1994	322	181	180
35	2297	1104	126	53	47
45	1454	361	49	22	18
55	253	69	14	6	4
65	8	5	2	1	0
75	1	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

LUMEN SERIES	LUMEN FACTOR	WATTAGE FACTOR	LPW FACTOR
-2000L	1.257	1.369	0.92
-1500L	1.000	1.000	1.00
-1000L	0.579	0.495	1.17

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).

▲ 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 VOLTAGE

CATALOG NUMBER



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