

CATALOG #	TYPE
JOB NAME	VOLTAGE

Sauna and Steam Room 6" LED Downlight • IP66 Rated

Type IC • Wet Location • Up to 70,000 Hour Life
0.1% Dimming • 3 Distributions • 5 CCT
LM-80 Qualified • LM-79 Certified • 3-Step Binning



LRR-06013-750L



4" Lens Aperture
Poly / Prismatic HSA Lenses



Available -
See Options

Use With:
REM-0700A
Remote Driver
sold separately
(see next page)

Specifications

Delivered System Performance*

- Lumen Series:
-750L: 750 nominal lumens (10W).
- Distribution: WFL standard.
Optional: -MFL or -NFL.
- Color temperature: 3500°K standard.
Optional: -27K, -30K, -41K or 50K.
- CRI: 80+ standard. Optional: -HC (90+).
- 70,000 hour life (L70).
- Fully sustainable: removable for servicing.

Thermal Management System

- Rated for 90°C (194°F) maximum.
- All aluminum heat sink, components and housing maximize cool operation and long life while minimizing maintenance.

Trim / Lens Assembly

- Smooth white seamless tapered aluminum self-flanged rigid cast trim (field paintable).
- Optional colors or custom color available.
- High strength prismatic acrylic above .125" clear flat polycarbonate lens. Also see -DA.

IP66 Rated Sealed and Gasketed Trim

- Protects against powerful (100L/min) water jets from all directions and against ingress of dust.
- Silicone seal between trim and lens seals lens to trim.

- Closed cell gasketing on trim flange seals flange to ceiling.
- O-rings on stainless steel fasteners seal fasteners to trim.
- Meets ASTM E283 restricted airflow of 2CFM maximum.

Acrylic Enamelled 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

- Recesses indoors in covered locations.
- Accommodates ceilings up to 1-1/8" thick or see Option -79.
- Compatible with fire rated enclosures (by others). See website "Technical Updates".
- 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.

Three Year Limited Warranty

- Complete standard fixture.

MUST SPECIFY	OPTIONAL	Ordering Example: LRR-06013-750L-41K-BN
Product Number	Options	
LRR-06013-750L	See "Options" below	

Options

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.

Projected L70** for Kirlin Luminaires	
In Open Plenum	90,000 hours
In Insulation (Type IC)	70,000 hours

**Hours at 70% lumen maintenance

Optics

- MFL Medium flood distribution.
- NFL Narrow flood distribution.

Lens and Trim

- 25 Vandal resistant trim, hardware and lensing. Provides ligature and vandal resistance. Not available with Option -79 or NSF rating.
- 35T Silver enamel (complete trim).
- 37T Dark bronze enamel (complete trim).
- 38T Black enameled (complete trim).
- 94 Custom color/finish. Specify. Consult factory.
- BN Brushed nickel cast trim.

- DA Diffuse acrylic lens above poly instead of prismatic acrylic. -WFL only.
- WA White acrylic (flat) diffuser above poly instead of prismatic acrylic. Provides wide flood distribution.

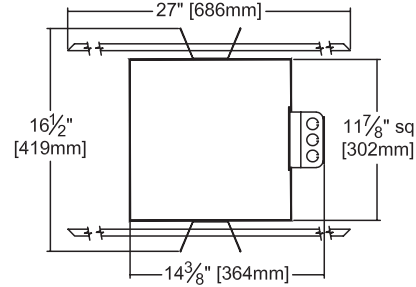
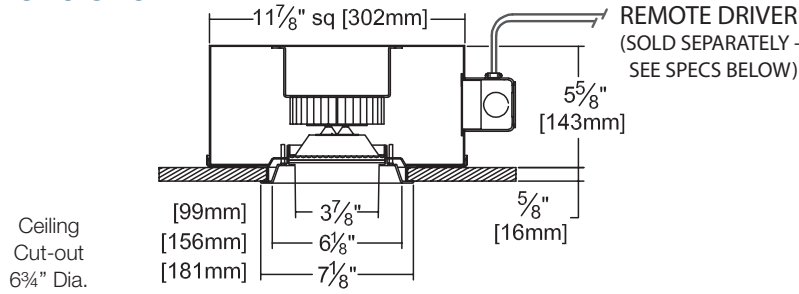
Other

- 79 Extension collar for ceilings up to 2" thick. Not available with Option -25.
- 99 Special modification. Consult factory.
- AT Air tight housing.
- NAT Modified for natatorium use.
- RH Residential mounting hardware instead. Suitable for wood joist ceilings with spacing from 14 1/8" to 25 7/8" with 3/8" vertical adjustability.

LRR-06013-750L

PERFORMANCE

Dimensions



Detailed Photometry - Installed Fixture

Photometric testing done in accordance with IESNA LM-79

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

-750L STANDARD (WFL)

Lumens: 791
Beam: ~50°
SC: 0.9
LPW: 88
Efficiency: 67.6
ITL Test: 90894 REV

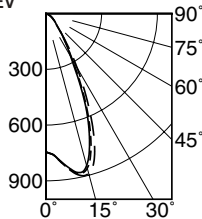


Total System Watts 9.1

	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	745	745	745	745	745
5	790	790	790	789	787
10	862	874	891	868	847
15	480	515	538	494	459
20	174	182	193	180	178
25	76	79	80	76	76
30	44	44	43	44	43
35	20	20	20	20	20
40	4	4	4	4	4
45	1	1	1	1	1
90	0	0	0	0	0

Cone of Light ▲

Dist.	FC	Dia.
6	20.7	3.2
8	11.6	4.3
10	7.5	5.4
12	5.2	6.5
14	3.8	7.6
16	2.9	8.7



-750L Option -NFL

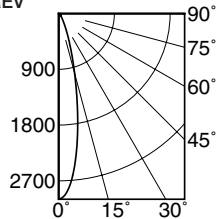
Lumens: 786
Beam: ~35°
SC: 0.6
LPW: 88
Efficiency: 63.0%
ITL Test: 90895 REV

Total System Watts 9.0

	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	2991	2991	2991	2991	2991
5	2620	2620	2620	2620	2620
10	998	998	998	998	998
15	282	282	282	282	282
20	100	100	100	100	100
25	52	52	52	52	52
30	30	30	30	30	30
35	12	12	12	12	12
40	2	2	2	2	2
45	1	1	1	1	1
90	0	0	0	0	0

Cone of Light ▲

Dist.	FC	Dia.
6	83.1	1.4
8	46.7	5.6
10	29.9	2.3
12	20.8	2.7
14	15.3	3.2
16	11.7	3.6



-750L Option -MFL

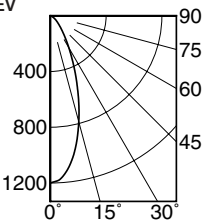
Lumens: 737
Beam: ~35°
SC: 0.6
LPW: 83
Efficiency: 63.0%
ITL Test: 90900 REV

Total System Watts 8.9

	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	1199	1199	1199	1199	1199
5	1144	1144	1144	1144	1144
10	787	787	787	787	787
15	398	398	398	398	398
20	176	176	176	176	176
25	82	82	82	82	82
30	39	39	39	39	39
35	14	14	14	14	14
40	3	3	3	3	3
45	1	1	1	1	1
90	0	0	0	0	0

Cone of Light ▲

Dist.	FC	Dia.
6	33.3	2.1
8	18.8	2.9
10	12.0	3.6
12	8.3	4.3
14	6.1	5.0
16	4.7	5.8



REM-0700A Remote Driver - Required (Order Separately)

SPECIFICATIONS

- 30 watt, constant current analog driver, single control channel.
- 100-0.1% full range dimming.
- Compatible with 0-10V DC dimming controls.
- Linear dimming profile standard.
- Maximum 50 ft. cable length from power supply to single fixture.
- 120-277V / 50-60Hz standard. Load insensitive.
- Suitable for: -20°C (-22°F) to 50°C (140°F).
- Includes J-box with 1/2" and 3/4" knockouts.
- See specification sheet for REM-0700A.

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

JOB NAME

TYPE

VOLTAGE

CATALOG NUMBER

APPROVAL STAMP



LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLED 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 office of manufacturer within the 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 incurred by purchaser or any person. This warranty is subject to the buyer's acceptance 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.