

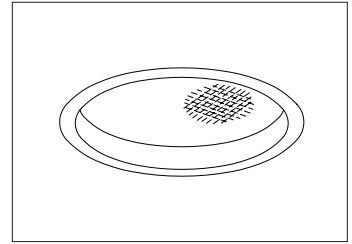
CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

7" LED 2450 LUMENS 38 SYSTEM WATTS

LRR-07304

Regressed Lensed Downlight • Specular Trim

50,000+ Hour Life (L70) • Sealed Housing Optional
LM-80 Qualified • LM-79 Certified Photometry



Specifications

LED Light Engine*

- 38 watt LED array. 3500°K standard (or see Option -41K).
- 2450* lumens, 65 lumens per watt (total system).
- 81 CRI, 50,000+ hour life (L70).**
- 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 70°C (158°F).
- Specify 120V or 277V (50-60Hz). Load insensitive.
- 0-10 volt dimming standard.
- Kirlin remote SmartSupply™ driver instead (up to 6 luminaires). See Option -SS.

Thermal Protection

- Thermal protector (per current NEC).

provides automatic cut-off if rated temperature is exceeded. Must specify input voltage.

Trim Assembly

- Seamless tapered specular clear aluminum self-flanged trim with high efficiency specular reflector above.
- Regressed tempered prismatic C#73 lens.

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.
- Fully sustainable: Entire luminaire, including LED light engine, easily visible and serviced through aperture.
- Built-in plaster flange.
- Sealed housing design available, see -SH.

Outlet Box

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

Installation

- Recesses indoor/outdoor in covered locations.
- Accommodates ceilings up to 1-1/8" thick or see Option -79.
- 27" galvanized hanger bars with adjustable mounting brackets (2) supplied.
- For residential mounting hardware for wood joist ceilings, see Option -RH.

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- Through-branch conductors (4 #12 AWG 90°C).

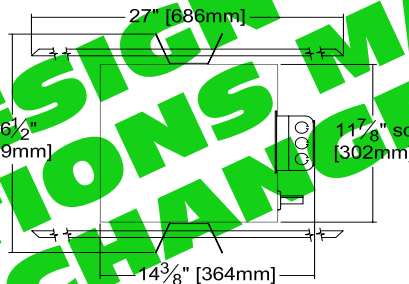
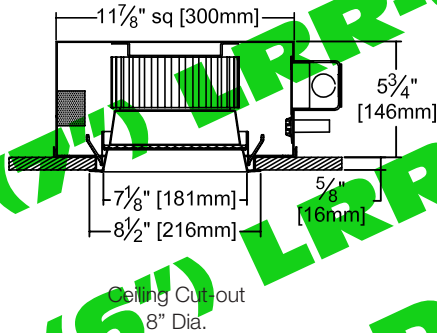
CE & FCC Compliance

- Certified to meet IES 60601-1-2 & EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment.
- FCC Part 15 certified for EMI/RFI emissions.

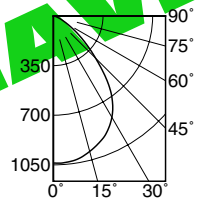
5 Year Limited Warranty

- Complete standard fixture.

Performance at a Glance



Lumens: 1831
Beam: ~83°
SC: 1.2
Effic: 74.6%
ITL Test: 69295



Exceptional Energy Efficiency

THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232
(313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121 • www.kirlinlighting.com

* See note next page
** See note next page

LED LIGHTING

MAX. LUMENS

2450

MAX. SYSTEM WATTS

38

CATALOG NUMBER

LRR-07304

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.

LRR-07304

7" LED 2450 LUMENS 38 SYSTEM WATTS

KIRLIN
 Since 1895

Detailed Photometry - Installed Fixture

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

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

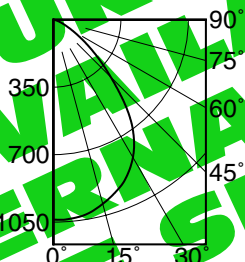
LRR-07304

Lumens: 1831
 Beam: ~83°
 SC: 1.2
 Effic: 74.6%
 ITL Test: 69295



Cone of Light

Dist.	FC	Dia.
6	28.8	7.1
8	16.2	9.5
10	10.4	11.8
12	7.2	14.2
14	5.3	16.6
16	4.3	18.9



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0°	1037	1037	1037	1037	1037
5°	1036	1036	1036	1036	1036
15°	989	989	989	989	989
25°	898	898	898	898	898
35°	724	724	724	724	724
45°	421	421	421	421	421
55°	192	192	192	192	192
65°	67	67	67	67	67
75°	18	18	18	18	18
85°	0	0	0	0	0
90°	0	0	0	0	0

LM-80 Qualified • LM-79 Certified Photometry

* LED manufacturers maintain a tolerance of $\pm 7\%$ on flux (lumens) and power (electrical) measurements. Kirlin photometrics are actual test data from Independent Testing Laboratories (ITL).

** LED Operating Characteristics: 50,000+ hours at 70% lumen maintenance (L70).

▲ Cone of Light Key
 Ft. Distance from fixture
 FC Footcandles at nadir (0°)
 Dia. Circle of light at 50% of FC
 Dia. (in ft.) shown is where FC value is half the FC at nadir.

Options

LED Power Supply

- 120 Power supply and thermal protector rated for 120V (50-60Hz) input.
- 277 Power supply and thermal protector rated for 277V (50-60Hz) input.
- 39 Specify "-39Lutron" for Hi-Lume 3 wire full range (0-100%) dimming power supply instead of standard 0-10V dimming.
- 98 347V 50 Hz. instead. Consult factory.
- EI Remote emergency inverter for 100% rated lumen output. Run time: 90 minutes. Not for use with -SS SmartSupply™ driver.

- SS Remote mounted Kirlin SmartSupply™ driver, sold separately. Drives up to 6 fixtures at 38 watts each. Order LPS-1220A (0-10V analog dimming) or LPS-1220D (DMX dimming). See Kirlinlighting.com or consult factory for more information.

Color Temperature (CCT)

- 41K Color temperature 4100°K. Consult factory.

Trims

- 32 White oversize trim ring. Specify O.D.
- 45 Gasket between trim flange and ceiling.
- 94 Custom color/finish. Specify. Consult factory.

Other

- 79 Extension collar for ceilings up to 2" thick.
- 99 Special modification. Consult factory.
- RH Residential mounting hardware instead. Suitable for wood joist ceilings with spacing from 14 $\frac{1}{8}$ " to 25 $\frac{7}{8}$ " with $\frac{5}{8}$ " vertical adjustability.
- SH Sealed housing and junction box.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER