

CATALOG #	TYPE
JOB NAME	WATTAGE
	VOLTAGE

7" LED 1250 LUMENS

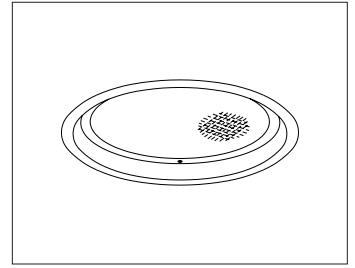
20 SYSTEM WATTS

LRV-07130

Vandal Resistant Downlight • LED • Type IC

Up to 90,000 Hour Life • 2 Distributions

LM-80 Qualified • LM-79 Certified Photometry • Wet Location



Specifications

LED Light Engine*

- 1250* lumens, 63 LPW (total system).
- 20 watt LED array. 3500°K standard (or see Options -30K or -41K).
- Up to 83 CRI and 90,000 hour life (L70**).
- For 90+ CRI, see Option -HC.
- 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

- **0-10V CCR dimming standard** (or see Options -30K or -41K).
- 120-277V / 50-60Hz standard. Load insensitive.
- Suitable for outdoor / indoor use: -30°C (-22°F) to 60°C (140°F).
- For Lutron HiLume dimming, see -39.
- Kirlin remote SmartSupply™ driver instead, see Option -SS.

Trim / Lens Assembly

- Vandal resistant smooth white seamless tapered aluminum self-flanged flare trim.
- Flush center pin tamperproof hex screws and captive nuts secure trim to housing.
- Clear prismatic acrylic above 1/8" clear flat polycarbonate. Standard MFL (0.6 SC) distribution.
- See Options for -NFL (0.4 SC).
- Continuous Ring secures lens to trim.
- Tamperproof tool included.

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.
- Fully sustainable: Entire luminaire, including LED light engine, is modular, easily visible and serviced through aperture.
- Built in plaster flange.
- Air Tight design (CCEA compliant) available, see Option -AT.

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 1/4" thick.
- 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.
- Type IC: for direct contact with insulation.
- Through branch conductors (4 #12 AWG 90°C) for Type IC Listing.

CE & FCC Compliance

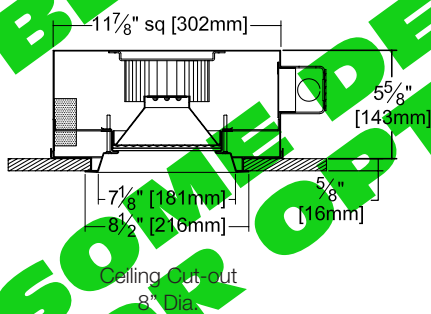
- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment.
- FCC Part 15 certified for EMI/RFI emissions.



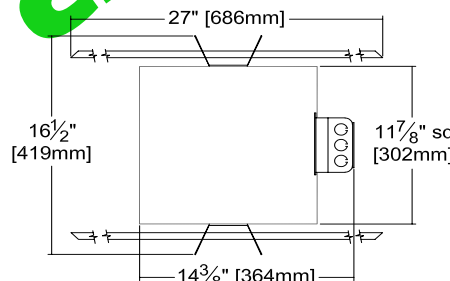
**FIVE YEAR
Limited Warranty**

- Complete standard fixture.

Performance at a Glance

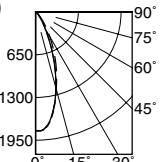


Projected L70** for Kirlin Luminaires	
In Open Plenum	90,000 hours
In Insulation (Type IC)	60,000 hours
* Hours at 70% lumen maintenance	



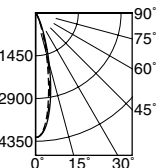
STANDARD (MFL) DISTRIBUTION

Lumens: 1005
Beam: ~35°
SC: 0.6
Effic: 80.7%
ITL Test: 70454



Option -NFL

Lumens: 1050
Beam: ~24°
SC: 0.4
Effic: 84.3%
ITL Test: 70453



THE KIRLIN COMPANY

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(313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121 • www.kirlinlighting.com

*See note next page

MAX. LUMENS

MAX. SYSTEM WATTS

CATALOG NUMBER

1250

20

LRV-07130

LRV-07130

7" LED 1250 LUMENS 20 SYSTEM WATTS

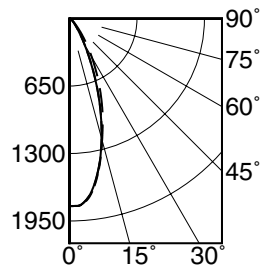
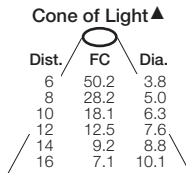
KIRLIN
 Since 1895

Detailed Photometry - Installed Fixture

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

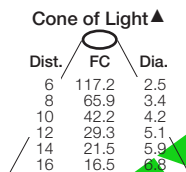
Photometry from I.T.L., Boulder, CO

STANDARD (MFL)

 Lumens: 1005
 Beam: ~35°
 SC: 0.6
 Effic: 80.7%
 ITL Test: 70454


CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	1806	1806	1806	1806	1806
5	1770	1768	1764	1764	1761
15	1199	1212	1214	1207	1191
25	519	576	656	575	513
35	165	201	263	200	165
45	64	75	88	75	64
55	30	33	34	33	30
65	14	14	14	14	14
75	3	3	3	3	3
85	0	0	0	0	1
90	0	0	0	0	0

Option -NFL

 Lumens: 1050
 Beam: ~24°
 SC: 0.4
 Effic: 84.3%
 ITL Test: 70453


CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	4219	4219	4219	4219	4219
5	3774	3786	3830	3873	3880
15	1379	1431	1578	1723	1778
25	313	321	336	397	453
35	82	82	82	91	113
45	30	32	36	36	37
55	11	12	15	14	14
65	5	6	7	7	7
75	2	2	2	2	2
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 ±7% on flux (lumens) and power (electrical) measurements. Kirlin photometrics are actual test data from independent Testing Laboratories (ITL) where photometry was measured from 1243 lumen 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
 Dia. (in ft.) shown is where FC value is half the FC at nadir.

Options

LED Power Supply

- 39 Specify "-39(Lutron)" for Hi-Lume 3 wire full range (0-100%) PWM dimming instead.
- 97 Specify other voltage. Consult factory.
- 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 -SS SmartSupply™ driver.
- SS Remote mounted Kirlin SmartSupply™ driver, sold separately. Drives up to 12 (20W) luminaires. Order LPS-1220A (0-10V analog for 0-100% PWM dimming). Consult factory or see www.kirlinlighting.com for more information.

Color (CCT and CRI)

- 30K Color temperature 3000°K instead.
- 41K Color temperature 4100°K instead.
- HC 90+ CRI instead. 3000°K only. Consult factory for availability.

Optics

- NFL Narrow flood distribution. (0.4 SC)

Trims

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

Other

- 99 Special modification. Consult factory.
- RH Residential mounting hardware instead. Suitable for wood joist ceilings with spacing from 14 1/8" to 25 1/8" with 1/2" vertical adjustability.
- AT Air tight version. Meets ASTM E283 restricted airflow of 2 CFM maximum. CCEA Approved.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

TYPE

WATTAGE

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