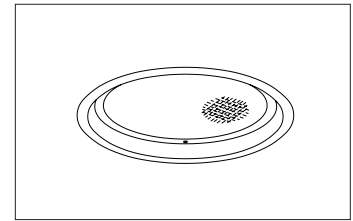


CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

8" LED 4550 LUMENS 74 SYSTEM WATTS LRV-08472

Vandal Sealed & Gasketed LED Downlight

Up to 60,000 Hour Life • Wet Location • Available 74W, 55W, 42W
LM-80 Qualified • LM-79 Certified Photometry



Specifications

LED Light Engine*

- 74 watt LED array. 3500°K standard (or see Options -30K or -41K).
- 4550* lumens, 61 lumens per watt (total system).
- Up to 83 CRI, up to 60,000 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

- Suitable for outdoor / indoor use: -30°C (-22°F) to 60°C (140°F).
- 120-277V / 50-60Hz standard. Load insensitive.
- **0-10V CCR dimming standard** (10-100%)
- Kirlin remote SmartSupply™ driver instead, see Option -SS for restrictions and details.

Thermal Protection: SPECIFY VOLTAGE

- Thermal protector for insulation detection per UL/NEC. Must specify input voltage.

Trim / Lens / Optical 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.

- High strength prismatic acrylic above 1/8" clear flat polycarbonate.
- Continuous ring secures lens to trim.
- Tamperproof tool included.
- Regressed tempered prismatic C#73 spread lens. Standard WFL distribution (1.0 SC).
- See Options for: -NFL (0.4 SC) with tempered microprismatic glass lens; or -MFL (1.0 SC) with Option -43(42W) only.

5X Sealed and Gasketed

- (1) Silicone seal between trim and lens seals lens to trim, (2) closed cell gasketing between trim and housing flange seals trim to housing, (3) closed cell gasketing on trim flange seals flange to ceiling (4) closed cell gasketing on bottom pan seals housing to ceiling and (5) neoprene O-rings on stainless steel fasteners seal fasteners to trim.
- Meets ASTM E283 restricted airflow of 2 CFM 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.
- Fully sustainable: Entire luminaire, including LED light engine, is modular, easily visible and serviced through aperture.
- Built-in plaster flange.
- Sealed housing design available, see -SH.

IP65

"IP65 Rated"

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 1/4" 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).

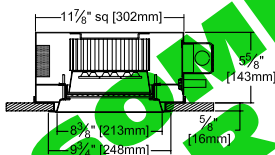
CE & FCC Compliance

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

5 Year FIVE YEAR Limited Warranty

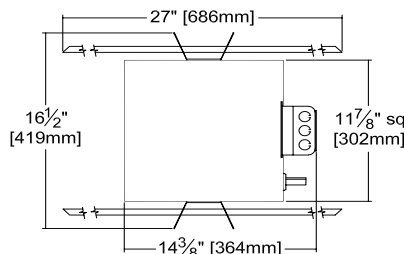
- Complete standard fixture.

Performance at a Glance



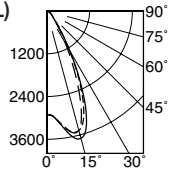
Ceiling Cut-out
9" Dia.

Exceptional Energy Efficiency
EEE



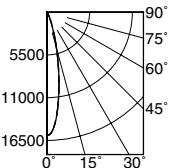
STANDARD (WFL) DISTRIBUTION

Lumens: 3040
Beam: ~51°
SC: 1.0
Effic: 66.6%
ITL Test: 73095



Option -NFL

Lumens: 3443
Beam: ~21°
SC: 0.4
Effic: 75.4%
ITL Test: 73146



SPECIFY VOLTAGE

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

Detailed Photometry - Installed Fixture

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

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

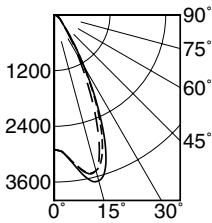
STANDARD (WFL) (74W)

Lumens: 3040
Beam: ~51°
SC: 1.0
Effic: 66.6%
ITL Test: 73095



Cone of Light ▲

Dist.	FC	Dia.
6	80.6	5.6
8	45.3	7.5
10	29.0	9.4
12	20.1	11.3
14	14.8	13.2
16	11.3	15.1



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	2900	2900	2900	2900	2900
5	3046	3052	3053	3053	3053
15	3473	3451	3458	3605	3698
25	2164	1945	1796	2027	2254
35	685	652	578	660	681
45	251	255	249	251	240
55	150	152	153	148	143
65	80	82	83	80	76
75	25	26	26	25	24
85	4	4	4	4	4
90	0	0	0	0	0

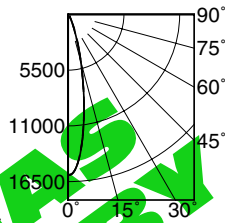
Option -NFL (74W)

Lumens: 3443
Beam: ~21°
SC: 0.4
Effic: 75.4%
ITL Test: 73146



Cone of Light ▲

Dist.	FC	Dia.
6	440.6	2.3
8	247.8	3.0
10	158.6	3.8
12	110.1	4.5
14	80.9	5.3
16	62.0	6.0



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	15861	15861	15861	15861	15861
5	13668	13693	13741	13739	13745
15	4807	4816	4849	4802	4754
25	876	963	1096	984	882
35	245	269	308	276	250
45	139	157	171	161	147
55	85	96	102	98	89
65	35	42	47	43	38
75	12	13	14	13	15
85	2	3	3	3	4
90	0	0	0	0	0

See following page for
Option -43: Lower Wattage
performance for 55W and 42W

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 4567 lumen (74W) 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

- 120 120V (50-60Hz) input for thermal protector.
- 277 277V (50-60Hz) input for thermal protector.
- 39 Specify "-39(Lutron)" for HiLume 3 wire full range (0-100%) PWM dimming instead. Available with standard 74W or optional lower wattages.
- 43 55 watt / 3900 lumen OR 42 watt / 2650 lumen package instead. See performance next page. Also see -39.
- 97 Specify other voltage. Consult factory.
- EI Remote emergency inverter for 45% of rated lumens for 74W or 85% for -43(42W) Not available for -43(55W). Run time: 90+ minutes. 120 or 277V, 60Hz input only. Specify voltage. Not for use with -SS SmartSupply™ driver.

SPECIFY VOLTAGE

- SS Remote mounted Kirlin SmartSupply™ driver for 74W or 42W only. Sold separately. Drives up to 3 (74W) or 6 (42W) luminaires. Order LPS-1220A (0-10V analog for 0-100% PWM dimming). Consult factory or see www.kirlinlighting.com for more information.

Color Temperature (CCT)

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

Optics

- MFL Medium flood distribution. Available only with Option -43: 42W (0.7 SC)
- NFL Narrow flood distribution. (0.4 or 0.3 SC depending upon wattage selected)

Trims

- 32 White oversize trim ring. Specify O.D.
- 33 Decorative Glow Ring suspended trim assembly. Consult factory.
- 94 Custom color/finish. Specify. Consult factory.

Other

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

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____
TYPE _____
WATTAGE _____ VOLTAGE _____
CATALOG NUMBER _____

SOME OPTIONS MAY BE REPLACED BY THIS FIXTURE HAS BEEN REVISED BY REV-08468

LIMITED WARRANTY: CATALOGED 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 of 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 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 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, 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.

Detailed Photometry - Installed Fixture

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

OPTION -43: LOWER WATTAGE 55 WATT

OPTION -43: LOWER WATTAGE 42 WATT

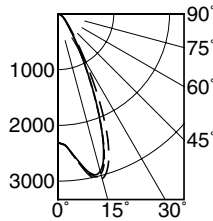
Option -43(55W) STANDARD (WFL)

Lumens: 2489
Beam: ~51°
SC: 0.9
Effic: 63.7%
ITL Test: 73807



Cone of Light ▲

Dist.	FC	Dia.
6	64.1	5.7
8	36.1	7.5
10	23.1	9.4
12	16.0	11.3
14	11.8	13.2
16	9.0	15.1



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	2309	2309	2309	2309	2309
5	2469	2471	2468	2466	2463
15	2972	3016	3061	2999	2923
25	1422	1560	1802	1580	1422
35	457	497	547	491	457
45	203	216	227	227	203
55	123	123	130	126	123
65	63	64	64	63	63
75	14	14	14	14	14
85	3	3	3	3	3
90	0	0	0	0	0

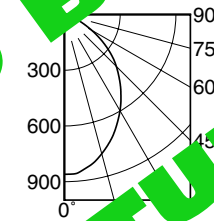
Option -43(42W) STANDARD (WFL)

Lumens: 1687
Beam: ~40°
SC: 0.7
Effic: 63.7%
ITL Test: 72306



Cone of Light ▲

Dist.	FC	Dia.
6	57.3	4.4
8	32.2	5.8
10	20.6	7.3
12	14.3	8.7
14	10.5	10.2
16	8.1	11.7



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	860	860	860	860	860
5	855	855	855	855	855
15	776	776	776	776	776
25	662	662	662	662	662
35	530	530	530	530	530
45	395	395	395	395	395
55	245	245	245	245	245
65	104	104	104	104	104
75	31	31	31	31	31
85	7	7	7	7	7
90	0	0	0	0	0

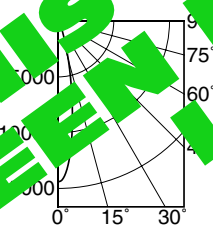
Options -43(55W)-NFL

Lumens: 2751
Beam: ~20°
SC: 0.3
Effic: 70.4%
ITL Test: 73806



Cone of Light ▲

Dist.	FC	Dia.
6	143.9	2.1
8	224.8	2.8
10	143.9	3.0
12	99.9	3.3
14	73.4	3.6
16	55.0	3.9



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	1439	1439	1439	1439	1439
5	1439	1439	1439	1439	1439
15	1439	1439	1439	1439	1439
25	770	770	770	770	770
35	248	248	248	248	248
45	130	130	130	130	130
55	73	73	73	73	73
65	29	29	29	29	29
75	5	5	5	5	5
85	0	0	0	0	0
90	0	0	0	0	0

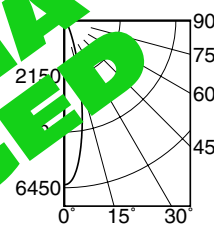
Options -43(42W)-NFL

Lumens: 1687
Beam: ~20°
SC: 0.3
Effic: 66.3%
ITL Test: 72305



Cone of Light ▲

Dist.	FC	Dia.
6	75.8	2.5
8	138.9	3.0
10	63.3	3.3
12	42.0	3.6
14	30.2	3.9
16	22.6	4.2



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	6328	6328	6328	6328	6328
5	5685	5685	5685	5685	5685
15	2290	2290	2290	2290	2290
25	660	660	660	660	660
35	242	242	242	242	242
45	111	111	111	111	111
55	52	52	52	52	52
65	18	18	18	18	18
75	3	3	3	3	3
85	0	0	0	0	0
90	0	0	0	0	0

THIS FIXTURE HAS BEEN REPLACED BY LRV-08468 SOME DESIGN FEATURES MAY HAVE OR OPTIONS CHANGED

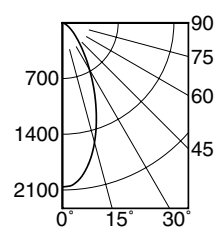
Options -43(42W)-MFL

Lumens: 1687
Beam: ~40°
SC: 0.7
Effic: 63.7%
ITL Test: 72306



Cone of Light ▲

Dist.	FC	Dia.
6	57.3	4.4
8	32.2	5.8
10	20.6	7.3
12	14.3	8.7
14	10.5	10.2
16	8.1	11.7



	CANDLEPOWER DISTRIBUTION				
	0.0	22.5	45.0	67.5	90.0
0	2062	2062	2062	2062	2062
5	2010	2010	2010	2010	2010
15	1556	1556	1556	1556	1556
25	945	945	945	945	945
35	477	477	477	477	477
45	229	229	229	229	229
55	108	108	108	108	108
65	43	43	43	43	43
75	9	9	9	9	9
85	2	2	2	2	2
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 3906 lumen (55W) and 2648 lumen (42W) light engines (within the established tolerance).

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

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