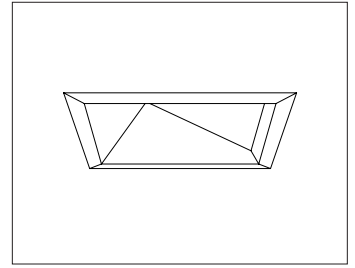


Lensed Adjustable • LED • Type IC

50,000+ Hour Life • 82 CRI • 3 Distributions • Air Tight Optional



Specifications

LED Light Engine*

- 12 watt LED array. 3500°K standard (or see Options -30K or -41K).
- 450* lumens, 38 lumens per watt (total system).
- 82 CRI, 50,000+ hour life.**
- Fully sustainable: removable for servicing.

Center Beam Optics

- Narrow flood standard (NFL). Optional: spot (SPT) or medium flood (MFL).
- Self-aligning optics ensure precise positioning of LED module with trim for optimal performance.
- Hot aiming by hand or screwdriver.
- Tilts from 0° to 45° in 1° increments and locks in place.
- Rotates full 365° and locks in place.
- Accommodates sloped ceilings up to 45°.

Thermal Management System

- All-aluminum proprietary heat sink, components and housing maximize luminaire's cool operation and long life while minimizing maintenance.

LED Power Supply

- Suitable for outdoor / indoor use: -40°C (-40°F) to 60°C (140°F).
- 120-277V / 50-60Hz standard. Load insensitive.
- Dimming available, see Option -39.
- Kirlin remote SmartSupply™ driver instead, see Option -SS.

Electrically Isolated Trim

- Specular clear aluminum self-flanged and gasketed angle cut with lens on top.
- Non-conductive vinyl coated trim spring clips minimize risk of electric shock.
- Colors and specular 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.
- Fully sustainable: Entire luminaire, including LED light engine, easily visible and serviced through aperture.
- Built-in plaster flange.
- Air Tight design 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

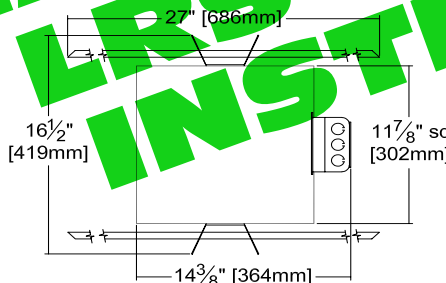
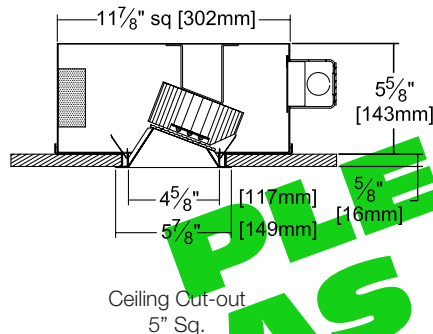
- Recesses indoor/outdoor in covered locations.
- Accommodates ceilings up to 1-1/8" thick.
- 27" galvanized hanger bars with adjustable mounting brackets (2) supplied.
- For residential mounting hardware for wood joist ceilings, see Option -RH.

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.

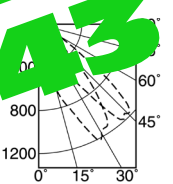
5 YEAR FIVE YEAR Limited Warranty
• Complete standard fixture.

Performance at a Glance



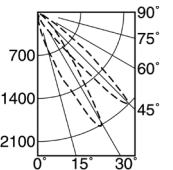
Standard (NFL)

	30°	45°
Lumens:	324	301
Efficiency:	77.7%	72.2%
Beam:	~31°	



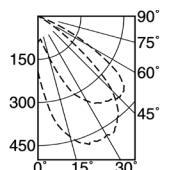
Option -SPT

	30°	45°
Lumens:	312	288
Efficiency:	74.8%	69.1%
Beam:	~16°	



Option -MFL

	30°	45°
Lumens:	286	257
Efficiency:	68.6%	61.6%
Beam:	~49°	



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

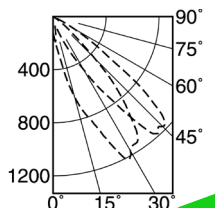
Photometry - Installed Fixture

Photometry from I.T.L., Boulder, CO
Photometric testing done in
accordance with IESNA LM-79-08

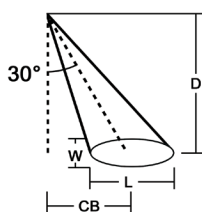
D: Distance (in feet) to floor or wall.
FC: Max. footcandles on surface within
effective visual beam. (Visual beam is
50% of max. FC.)
L: Effective visual beam length in feet.
W: Effective visual beam width (in feet).
CB: Distance (in feet) to center beam.

LRS-04066 (NFL)

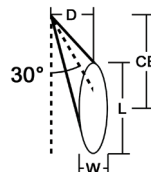
	30°	45°
Lumens:	324	301
Efficiency:	77.7%	72.2%
Beam:	~31°	



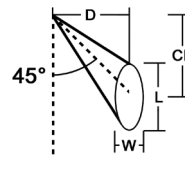
FC on Horizontal Plane



FC on Vertical Plane



FC on Vertical Plane



D	FC	L	W	CB
4.0	53	2.4	2.1	2.8
6.0	23	3.6	3.1	3.2
7.0	17	4.2	3.6	3.7
8.0	13	4.8	4.2	4.3
9.0	10	5.3	4.7	4.8
10.0	8	5.9	5.2	5.3
12.0	6	7.1	6.2	6.4
14.0	4	8.3	7.3	7.4

ITL TEST: #62229

D	FC	L	W	CB
2.0	55	2.1	1.6	2.3
3.0	24	3.2	2.4	3.6
4.0	14	4.2	3.2	4.3
5.0	9	5.3	3.9	5.4
6.0	6	6.3	4.7	6.5
8.0	3	8.5	6.3	9.0
10.0	2	10.6	7.9	11.6
12.0	2	12.7	9.5	14.2

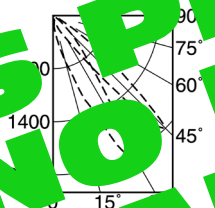
ITL TEST: #62229

D	FC	L	W	CB
2.0	114	1.2	1.2	2.1
3.0	51	1.8	1.8	3.1
4.0	28	2.4	2.4	4.1
5.0	18	3.0	2.9	5.2
6.0	13	3.6	3.5	6.2
8.0	7	4.8	4.7	8.3
10.0	5	6.1	5.9	10.4
12.0	3	7.3	7.1	12.4

ITL TEST: #62232

LRS-04066 (Option -SPT)

	30°	45°
Lumens:	312	288
Efficiency:	74.8%	69.1%
Beam:	~16°	



D	FC	L	W	CB
4.0	89	1.5	1.3	2.2
6.0	35	2.2	1.9	3.3
7.0	28	2.6	2.2	3.9
8.0	22	3.0	2.5	4.4
9.0	17	3.4	2.8	5.0
10.0	14	3.7	3.1	5.6
12.0	10	4.5	3.8	6.7
14.0	7	5.2	4.4	7.8

ITL TEST: #62228

D	FC	L	W	CB
2.0	65	2.2	1.0	3.6
3.0	29	3.3	1.6	5.4
4.0	16	4.4	2.1	7.2
5.0	10	5.5	2.6	9.0
6.0	7	6.6	3.1	10.8
8.0	4	8.7	4.2	14.4
10.0	3	10.9	5.2	18.0
12.0	2	13.1	6.3	21.6

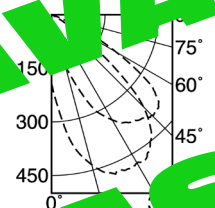
ITL TEST: #62228

D	FC	L	W	CB
2.0	183	0.9	0.8	2.0
3.0	82	1.3	1.1	3.1
4.0	46	1.8	1.5	4.1
5.0	29	2.2	1.9	5.1
6.0	20	2.7	2.3	6.1
8.0	11	3.5	3.0	8.1
10.0	7	4.4	3.8	10.2
12.0	5	5.3	4.5	12.2

ITL TEST: #62231

LRS-04066 (Option -MFL)

	30°	45°
Lumens:	286	257
Efficiency:	68.6%	61.6%
Beam:	~49°	



D	FC	L	W	CB
4.0	25	3.3	2.8	2.5
6.0	11	5.0	4.2	3.7
7.0	8	5.8	4.9	4.3
8.0	6	6.6	5.7	4.9
9.0	5	7.5	6.4	5.5
10.0	4	8.3	7.1	6.1
12.0	3	9.9	8.5	7.4
14.0	2	11.6	9.9	8.6

ITL TEST: #62230

D	FC	L	W	CB
2.0	32	1.9	1.9	3.3
3.0	14	2.6	2.5	4.9
4.0	8	3.9	3.7	6.5
5.0	5	4.8	4.3	8.2
6.0	4	5.8	5.6	9.8
8.0	2	7.7	7.4	13.1
10.0	2	9.6	9.3	16.3
12.0	1	11.6	11.1	19.6

ITL TEST: #62230

D	FC	L	W	CB
2.0	46	1.5	1.6	2.1
3.0	20	2.2	2.4	3.1
4.0	12	3.0	3.2	4.1
5.0	7	3.8	4.0	5.2
6.0	5	4.5	4.7	6.2
8.0	3	6.0	6.3	8.3
10.0	2	7.6	7.9	10.4
12.0	1	9.1	9.5	12.4

ITL TEST: #62233

* 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 420 lumen light engines (within the established tolerance).

** LED Operating Characteristics: 50,000 hours at 70% lumen maintenance.

Options

LED Power Supply

- 39 Dimmable power supply. 0-10V analog standard. Specify voltage. Consult factory for brand availability and pricing.
- 97 Specify other voltage. Consult factory.
- SS Remote mounted Kirlin SmartSupply™ driver, sold separately. Drives up to 12 fixtures at 20 watts each. Order LPS-1220A (0-10V analog dimming) or LPS-1220D (DMX dimming). See kirlinlighting.com or CF for more information.

Optics

- MFL Medium flood. (~49° distribution)
- SPT Spot. (~16° distribution)

Trims

- 30 All white acrylic enameled trim. (CP x .95)

- 31 White acrylic enameled trim flange.
- 32 White oversize trim ring. Specify O.D.
- 46 Gasket between trim and lens.
- 59 Dark Bronze specular self-flanged trim. (CP x .80)
- 60 SoftTex Dark Bronze self-flanged cone. (CP x .75)
- 63 Dune specular self-flanged cone. (CP x .93)
- 68 Matte black self-flanged cone. (CP x .70)
- 69 Wheat specular self-flanged cone. (CP x .92)
- 70 SoftTex Clear self-flanged cone. (CP x .93)
- 71 SoftTex Dune self-flanged cone. (CP x .89)
- 72 Black specular self-flanged trim. (CP x .80)
- 77 SoftTex Pewter self-flanged trim. (CP x .85)
- 91 SoftTex Wheat self-flanged trim. (CP x .88)
- 93 Pewter specular self-flanged trim. (CP x .88)
- 94 Custom color/finish. Specify. Consult factory.

Filter

- AM Amber filter.
- DP Dichroic Peach filter.

- GE Green / Botanical filter.
- HX Hexcel louver.
- MB Medium Blue filter.
- PK Pink / Rose filter.
- XF Custom filter other than shown. Specify.

Other

- 79 Extension collar for up to 2" thick ceilings.
- 99 Special modification. Consult factory.
- AT Air tight version. Meets ASTM E283 restricted airflow of 2 CFM maximum. Option -RH required.
- DL Downlight square trim instead. Clear specular finish standard or add optional trim selection.
- 30K Color temperature 3000°K instead.
- 41K Color temperature 4100°K. Consult factory.
- 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.

SUBMITTAL DATA

JOB NAME

TYPE

WATTAGE

CATALOG NUMBER

VOLTAGE

APPROVAL STAMP