

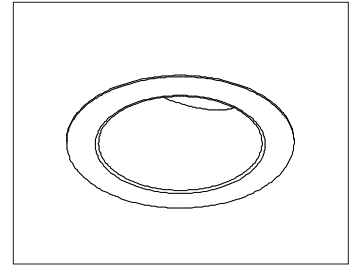
CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

4" 4 LED 20 SYSTEM WATTS

LRR-04032

Lensed Adjustable • LED • Type IC

50,000+ Hour Life • 84 CRI • 3 Distributions • Air Tight Optional



Specifications

LED Light Engine

- 20 watt LED array. 3500°K standard (or see Options -30K or -41K).
- 1050* lumens, 50 lumens per watt (total system).
- 84 CRI, 50,000+ hour life.**
- Fully sustainable: removable for servicing.

Center Beam Optics

- Narrow flood (NFL) standard. Optional: spot (SPT) or medium flood (MFL).
- Self-aligns 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° around its place.
- Accommodates ceiling thickness up to 45°.

Thermal Management System

- All-aluminum proprietary heat sink components and housing.
- Luminaire's cool operation allows long life while minimizing maintenance.

LED Power Supply

- Suitable for outdoor / indoor use: -40°C (-40°F) to 90°C (194°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 extrusion gasketed angle cut for weather-tight top.
- Non-conductive nylon telescopic spring clips minimize contact with shock.
- Available in specular finishes.
- Application: Corrosion-resistant. Exceeds 1000 hours salt spray test.
- Rustproof and corrosion-resistant. Exceeds 1000 hours salt spray test.
- Allow deep cleaning in restricted places.
- Operation: Extendable for 1000 hours.
- Fully sustainable: Easy to repair, adding LED light per luminaire and serviced.
- 1000 hours salt spray test.
- Light design available, see Option -AT.

Outlet Box

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

Installation

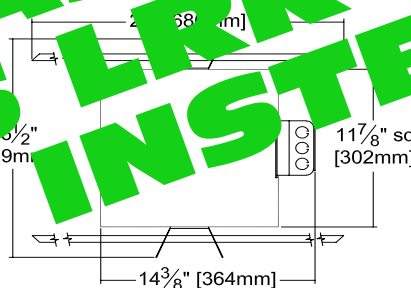
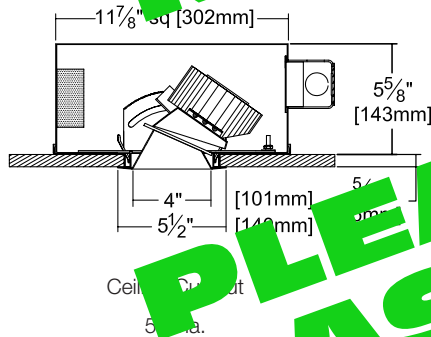
- Requires indoor/outdoor in covered locations.
- Accommodates ceilings up to 1-1/8" thick.
- 27" galvanized hanger bars with adjustable mounting brackets (2) supplied.
- For mounting hardware for wood ceilings, see Option -RH.

UL (Canada) Listings

- Type IC for 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.

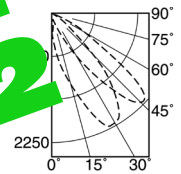
5 Year FIVE YEAR Limited Warranty
• Complete standard

Performance & Balance



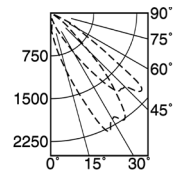
Standard (NFL)

	30°	45°
Lumens:	748	670
Efficiency:	69.3%	62.1%
Beam:	~31°	



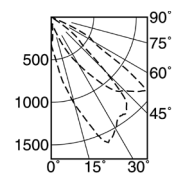
Option -SPT

	30°	45°
Lumens:	639	569
Efficiency:	59.2%	52.7%
Beam:	~21°	



Option -MFL

	30°	45°
Lumens:	638	537
Efficiency:	59.1%	49.8%
Beam:	~39°	



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

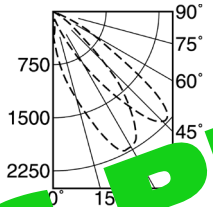
Photometry - Installed Fixture

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

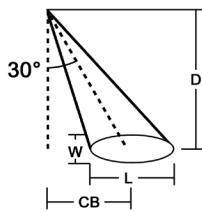
- D: Distance (in feet) to floor or wall.
- FC: Max. footcandles on surface within effective visual beam. (Visual beam is 50% of max. FC.)
- L: Effective visual beam length in feet.
- W: Effective visual beam width (in feet).
- CB: Distance (in feet) to center beam.

LRR-04032 (NFL)

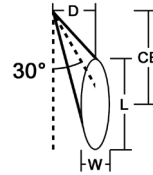
	30°	45°
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Efficiency:	69.3%	62.1%
Beam:	~31°	



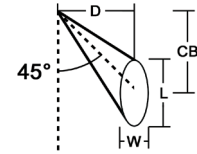
FC on Horizontal Plane



FC on Vertical Plane



FC on Vertical Plane



D	FC	L	W	CB
2.0	103	2.2	1.7	3.5
3.0	46	3.3	2.5	5.2
4.0	27	4.4	3.3	6.9
5.0	17	5.5	4.2	8.7
6.0	12	6.7	5.0	10.4
8.0	7	8.9	6.7	13.9
10.0	4	11.1	8.4	17.3
12.0	3	13.3	10.0	20.8

D	FC	L	W	CB
2.0	224	1.3	1.3	2.0
3.0	100	1.9	2.0	3.0
4.0	56	2.6	2.6	4.0
5.0	36	3.2	3.3	5.0
6.0	25	3.8	3.9	6.0
8.0	14	5.1	5.2	8.0
10.0	9	6.4	6.6	10.0
12.0	6	7.7	7.9	12.0

D	FC	L	W	CB
2.0	103	2.2	1.7	3.5
3.0	46	3.3	2.5	5.2
4.0	27	4.4	3.3	6.9
5.0	17	5.5	4.2	8.7
6.0	12	6.7	5.0	10.4
8.0	7	8.9	6.7	13.9
10.0	4	11.1	8.4	17.3
12.0	3	13.3	10.0	20.8

LRR-04032 (Option -SPT)

	30°	45°
Lumens:	639	569
Efficiency:	59.2%	52.7%
Beam:	~21°	



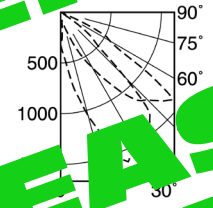
D	FC	L	W	CB
2.0	103	2.4	2.0	3.3
3.0	46	3.5	3.1	5.0
4.0	34	4.1	3.6	6.0
5.0	26	4.7	4.1	7.0
6.0	20	5.3	4.6	8.0
8.0	11	7.1	6.1	10.4
10.0	7	8.9	7.7	13.9
12.0	4	11.1	9.4	17.3
14.0	3	13.3	11.2	20.8

D	FC	L	W	CB
2.0	232	1.1	1.1	2.0
3.0	103	1.7	1.7	3.0
4.0	58	2.3	2.3	4.0
5.0	37	2.8	2.8	5.0
6.0	26	3.4	3.4	6.0
8.0	15	4.5	4.6	8.0
10.0	9	5.6	5.7	10.0
12.0	6	6.7	6.8	12.0

D	FC	L	W	CB
2.0	103	2.4	2.0	3.3
3.0	46	3.5	3.1	5.0
4.0	29	3.9	2.9	6.9
5.0	18	4.9	3.6	8.7
6.0	13	5.9	4.3	10.4
8.0	7	7.9	5.8	13.9
10.0	5	9.9	7.2	17.3
12.0	3	11.8	8.6	20.8

LRR-04032 (Option -MFL)

	30°	45°
Lumens:	638	537
Efficiency:	59.1%	49.8%
Beam:	~39°	



D	FC	L	W	CB
2.0	75	2.8	2.5	2.5
3.0	32	4.3	3.8	3.5
4.0	25	5.0	4.4	4.0
5.0	19	5.7	5.0	4.9
6.0	15	6.4	5.7	5.2
8.0	10	7.1	6.3	6.3
10.0	7	8.3	7.6	7.9
12.0	5	9.9	9.1	9.9
14.0	4	11.8	10.4	12.0

D	FC	L	W	CB
2.0	97	1.8	1.7	3.5
3.0	43	2.4	2.6	5.2
4.0	29	3.6	3.6	6.9
5.0	19	4.5	4.3	8.7
6.0	11	5.5	5.2	10.4
8.0	6	7.1	6.9	13.9
10.0	4	8.9	8.7	17.3
12.0	3	10.7	10.4	20.8

D	FC	L	W	CB
2.0	165	1.2	1.4	2.0
3.0	73	1.8	2.1	3.0
4.0	41	2.4	2.8	4.0
5.0	26	3.0	3.5	5.0
6.0	18	3.6	4.2	6.0
8.0	10	4.9	5.6	8.0
10.0	7	6.1	7.0	10.0
12.0	5	7.3	8.4	12.0

* 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 1080 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. Lutron Hi-lume approved.
- 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. (~39° distribution)
- SPT Spot. (~21° distribution)

Trims

- 30 All white acrylic enameled cone. (CP x .95)
- 31 White acrylic enameled cone flange.

- 32 White stainless steel trim ring. Specify O.D.
- 46 Clear lens between trim and lens.
- 59 Dark Bronze specular self-flanged cone. (CP x .80)
- 60 SofTex 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 SofTex Clear self-flanged cone. (CP x .93)
- 71 SofTex Dune self-flanged cone. (CP x .89)
- 72 Black specular self-flanged cone. (CP x .80)
- 77 SofTex Pewter self-flanged cone. (CP x .85)
- 91 SofTex Wheat self-flanged cone. (CP x .88)
- 93 Pewter specular self-flanged cone. (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

- 99 Special modification. Consult factory.
- AT Air tight version. Meets ASTM E283 restricted airflow of 2 CFM maximum.
- DL Downlight cone 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

APPROVAL STAMP

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

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 fixture will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices 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, improper installation, or repair or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.