

CATALOG #	TYPE
JOB NAME	VOLTAGE

Lensed 6" Downlight • White Trim • LED

Up to 90,000 Hour Life • Type IC • Wet Location
LM-80 Qualified • LM-79 Certified Photometry

GRR-06019-2000L
GRR-06019-1500L



Specifications

Delivered System Performance*

- Lumen Series: **MUST SPECIFY**
- -2000L: 2000 nominal lumens (25W).
- -1500L: 1500 nominal lumens (20W).
- Distribution: NFL standard.
- Optional: -SPT, -NFL or -WFL.
- Color temperature: 3500°K standard.
- Optional: -27K, -30K or -41K.
- CRI: 80+ standard.
- 90,000 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 - INTERNAL

- Suitable for outdoor / indoor use:
- -30°C (-22°F) to 60°C (140°F)
- 120-277V / 50-60Hz standard, ocean insensitive.

- **0-10V CCR dimming standard. (100-10%)**

Trim Assembly

- Seamless tapered aluminum self-flanged trim with white finish.
- Regressed tempered prismatic spread lens.

Acrylic Endmilled Aluminum Housing

- Rustproof and corrosion resistant: Exceeds 1000 hour ASTM 5% salt spray test.
- Shallow depth fits restricted plenums.
- Cooperative: Extends life of all components.
- Fully sustainable: Entire luminaire, including LED light engine, is modular, easily replaceable, serviced through apertures.
- Built-in plaster flange.

Outlet Box

- UL Listed J-box with insulated, noncombustible cover. Preinsulated 4-6A (UL ECR) and 3/4" knockouts.

Insulation

- Recess indoor or outdoor.
- Accommodates conductors up to 1" thick.
- -27K galvanized steel housing base with adjustable mounting bracket (2) supplied.



QuickShip
Program
Luminaire

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.

IEC & 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.

THIS PRODUCT
IS NOW
AVAILABLE AS

MUST SPECIFY		OPTIONAL
Product Number	Voltage	Options
GRR-06019-2000L	120 volts	See "Options" below
GRR-06019-1500L	120/277 volts	

LRR-06019

Options

Input Power: SPECIFY

- 120 120V (50-60Hz) input.
- 277 277V (50-60Hz) input.

LED Power Supply

- EI Remote emergency inverter for 100% of rated lumens. Run time: 90+ minutes. 120 or 277V, 60 Hz input only. Specify voltage.

Color (CCT and CRI)

- 27K Color temperature 2700°K instead.
- 30K Color temperature 3000°K instead.
- 41K Color temperature 4100°K instead.

- NFL Narrow flood distribution.
- SPT Spot distribution.
- WFL Wide flood distribution.

Trim

- 43 Gasket between trim flange and ceiling.
- 46 Gasket between trim and lens.

Projected L70** for Kirlin Luminaires	
In Open Plenum	90,000 hours
In Insulation (Type IC)	60,000 hours

**Hours at 70% lumen maintenance

Some design features and
options might have changed



QuickShip
Program
Luminaire

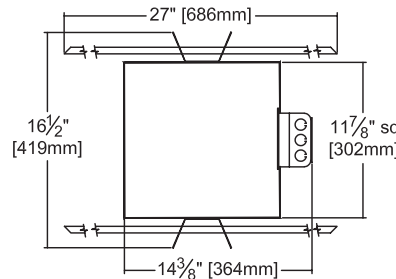
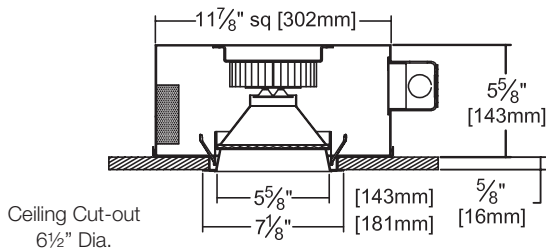
- Orders received by 10 AM (ET) ship by 5 PM within 72 hours
- Fixtures ship complete. Freight allowed: Over \$7000
- 50 luminaires (max.) per type on each purchase order (or consult RSM)

GRR-06019-1500L

PERFORMANCE

KIRLIN
Since 1895

Dimensions



Detailed Photometry - Installed Fixture

Photometric testing done in accordance with IESNA LM-79

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

▲ 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

-1500L STANDARD (MFL)

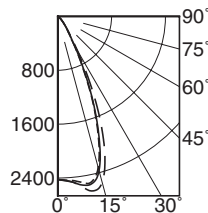
Lumens: 1721
Beam: ~45°
SC: 0.8
LPW: 83
Effic: 85.1%
ITL Test: 87190



Total System Watts 20.8

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	2421	2421	2421	2421	2421
5	2446	2449	2467	2478	2469
10	2322	2445	2552	2481	2371
15	978	1116	1234	1147	1018
20	251	266	280	274	263
25	89	91	91	95	94
30	34	34	34	35	35
35	13	13	13	13	13
40	2	2	2	2	2
45	0	0	0	0	0
90	0	0	0	0	0

Cone of Light ▲		
Dist.	FC	Dia.
6	67.3	4.9
8	37.8	6.6
10	24.2	8.2
12	16.8	9.9
14	12.4	11.5
16	9.5	13.2



-1500L Option -SPT

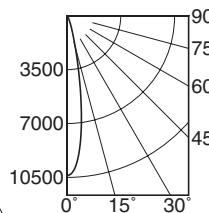
Lumens: 1744
Beam: ~19°
SC: 0.3
LPW: 83
Effic: 86.3%
ITL Test: 85865



Total System Watts 21.0

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	10374	10374	10374	10374	10374
5	8968	8968	8968	8968	8968
10	2093	2093	2093	2093	2093
15	469	469	469	469	469
20	143	143	143	143	143
25	53	53	53	53	53
30	21	21	21	21	21
35	8	8	8	8	8
40	2	2	2	2	2
45	0	0	0	0	0
90	0	0	0	0	0

Cone of Light ▲		
Dist.	FC	Dia.
6	132.4	2.7
8	74.5	3.6
10	47.7	4.5
12	33.1	5.4
14	24.3	6.3
16	18.6	7.2



-1500L Option -NFL

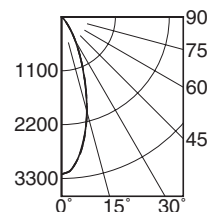
Lumens: 1553
Beam: ~33°
SC: 0.6
LPW: 74
Effic: 76.8%
ITL Test: 87936



Total System Watts 20.9

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	3213	3213	3213	3213	3213
5	3035	3041	3039	3038	3032
10	2002	1982	2002	1989	1991
15	912	902	909	908	903
20	316	307	313	318	311
25	76	75	77	78	78
30	30	30	30	30	30
35	11	11	11	12	11
40	2	2	2	2	3
45	0	0	0	0	0
90	0	0	0	0	0

Cone of Light ▲		
Dist.	FC	Dia.
6	89.3	3.5
8	50.2	4.7
10	32.1	5.9
12	22.3	7.1
14	16.4	8.2
16	12.6	9.4



-1500L Option -WFL

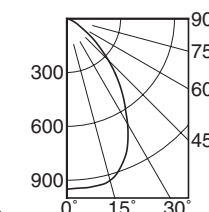
Lumens: 1514
Beam: ~58°
SC: 1.1
LPW: 71
Efficiency: 74.9%
ITL Test: 85867



Total System Watts 21.2

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	950	950	950	950	950
5	947	947	947	947	947
10	933	933	933	933	933
15	797	797	797	797	797
20	556	556	556	556	556
25	328	328	328	328	328
30	143	143	143	143	143
35	54	54	54	54	54
40	13	13	13	13	13
45	0	0	0	0	0
90	0	0	0	0	0

Cone of Light ▲		
Dist.	FC	Dia.
6	26.4	6.6
8	14.8	8.8
10	9.5	11.0
12	6.6	13.2
14	4.8	15.4
16	3.7	17.6



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 2022 lumen (-1500L) light engines (within the established tolerance).

LUMEN SERIES	LUMEN FACTOR	WATTAGE FACTOR	LPW FACTOR
-2000L	1.257	1.369	0.92
-1500L	1.000	1.000	1.00

SUBMITTAL DATA

JOB NAME

TYPE

VOLTAGE

CATALOG NUMBER

APPROVAL STAMP



LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer's liability for defects in workmanship or material is limited to replacement of the fixture without prior written authorization from the manufacturer. This warranty is void if the fixture is not installed in accordance with the manufacturer's instructions. This warranty is void if the fixture is not installed in accordance with the manufacturer's instructions. This warranty is void if the fixture is not installed in accordance with the manufacturer's instructions.