KIRLIN
ARCHITECTURAL LIGHTING

CATALOG #		TYPE
JOB NAME	WATTAGE	VOLTAGE

Latitudes Series

IP66 Rated 6" Downlight • LED

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

LRR-06020

Specifications

Delivered System Performance
- Nominal Lumens: **Must Specify**
  Type IC
  -2000L
  -1500L
  -1000L
- Select trim & beam distribution: see chart
- Select color (CCT): see chart; 80+ CRI standard; Option -HC for 90+ (15% lumen loss)
- 90,000 Hour Rated Life (L70**)

Thermal Management System
- Aluminum heat sink and components for cool operation, long life, and low maintenance

LED Driver - INTERNAL
- Indoor/Outdoor: -30°C to 60°C (-22°F to 140°F)
- 0-10V CCR 10% dimming standard
- 120-277V / 50-60 Hz standard; load insensitive

Trim Assembly
- Smooth white seamless tapered aluminum self-flanged rigid cast trim (field paintable)
- High strength prismatic acrylic above .125" clear flat polycarbonate lens. Also see -DA
- Vandal and ligature resistant, see Option -25
- BioGard antimicrobial trim, see Option -BGT

IP66 Rated Sealed and Gasketed Trim
- Silicone seal between trim and lens seals lens to trim
- Closed cell gasketing on trim flange seals flange to ceiling
- O-rings on stainless steel fasteners seal fasteners to trim
- Meets ASTM E283 restricted airflow of 2CFM maximum

Acrylic Enameled Aluminum Housing
- Rustproof and corrosion resistant: exceeds 1000 hour ASTM 5% salt spray test
- Shallow depth fits restricted plenums
- Cool operation extends component life
- Modular design; visible and fully serviceable through aperture
- Built-in plaster flange

Outlet Box (Galvanized)
- UL Listed, 14GA, insulated, removable cover
- ½" and ¾" knockouts

Installation & Hardware
- Indoor/outdoor in ceilings up to 1⅛" thick
- Compatible with fire rated enclosures (by others)
- 27" hanger bars & adjusting brackets (2) supplied

Quick Ship Eligible
- Eligible for Quick Ship of 2 weeks or less
- Quantity requirements: 10 - 100 pieces
- Requires choosing options in **red** on the next page and including the -QS option code

UL, C-UL (Canada)
- UL Listed: wet, damp or dry locations, covered ceilings
- Type IC: for direct contact with insulation
- Through-branch conductors (4 #12 AWG 90°C)

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

ISO 5/Class 100 *See Option -SH* | NSF Certified | IP66 | Vandal Resistant | BioGard™ *See Option -BGT* | BABAA Compliant | Made in the USA | Quick Ship *See Option -QS* | UL Listed Wet, Damp, Dry

Options and Ordering Configuration

(Example: LRR-06020-1500L-277-WFL-41K-35T-FS)

Must Specify					Optional			
Model	**Lumens**	**Volts**	**Beam**	**CCT† & CRI**	**Driver Options**	**Emergency Options**	**Trim Options**	**Other Options**
LRR-06020								
	-2000L **-1500L** **-1000L**	**-120** **-277** **-97†:** Other Voltage	**(Blank):** WFL **-NFL** **-MFL** **-WFL**	**(Blank):** 3500K, 80+ CRI **80+ CRI*** **-27K:** 2700°K **-30K:** 3000°K **-35K:** 3500°K **-41K:** 4000°K **-50K:** 5000°K ***Note:** Lumen Factor = 0.93 for -27K **90+ CRI**** **-27K-HC:** 2700°K **-30K-HC:** 3000°K **-35K-HC:** 3500°K **-41K-HC:** 4000°K **-50K-HC:** 5000°K ****Note:** Lumen Factor = 0.79 for -27K-HC; All Others = 0.85; Consult Factory	**(Blank):** Standard 0-10V CCR 10% dim **-D1:** 0-10V 1.0% dim **-D2†:** 0-10V 0.1% dim **-D3†:** DALI 1.0% dim **-D4†:** DALI 100-0.1% dim **-D5†:** DMX512A 0% dimming instead. Consult factory for -6500L lumen series **-D40:** -40°C (-40°F) driver; 0-10V 10% dim †Consult factory for use with -2000L lumen series	**(Blank):** None **-EI:** Remote emergency inverter for 40% of rated lumens. Run time: 90+ minutes. 120 or 277V, 60 Hz input only. Specify voltage. Not for use with -FS. **-ERH:** Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; Run time: 90+ minutes	**(Blank):** Standard white trim **Trim Finishes** **-35T:** Silver enamel trim **-BG:** BioGard™ anti-microbial white **-BKBG:** BioGard™ anti-microbial black **-94:** Custom color; consult factory **-94BG:** BioGard™ anti-microbial custom color finish **-BN:** Brushed nickel cast trim **Other Trim Features** **-25:** Vandal resistant trim, hardware and lensing. Provides ligature and vandal resistance. Not available with NSF rating **-CF:** Custom color filter (Rosco) Specify. **-DA:** Diffuse acrylic lens above poly instead of prismatic acrylic. -WFL only **-WA:** White acrylic (flat) diffuser above poly instead of prismatic acrylic. Provides wide flood distribution.	**(Blank):** None **-99:** Special modification; consult factory **-AWN:** Athena Wireless Node; N/A for Dimming Options -D5, -D40 **-FS:** Fused primary; One per fixture; N/A for option -EI **-QS:** Quick Ship; Options must be only red items; Quantities of 10-100 **-SH:** Sealed housing and junction box ***Note:** For other integrated control solutions, such as nLight, contact factory

Projected L70** for Kirlin Luminaires	
In Open Plenum	90,000 hours
In Insulation (Type IC)	70,000 hours

**Hours at 70% lumen maintenance

†Consult factory

Kirlin Lighting | 3401 E. Jefferson Ave., Detroit, MI 48207-4232, USA | P: 313.259.6400 | www.kirlinlighting.com

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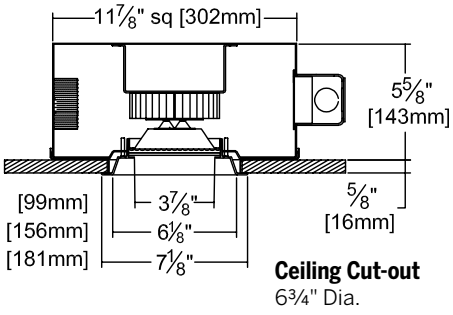
KIRLIN ARCHITECTURAL LIGHTING

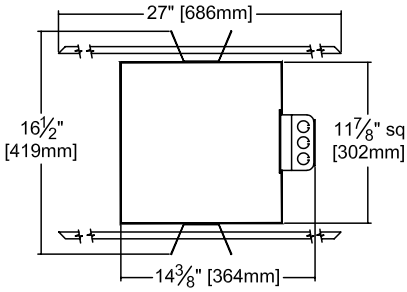
Performance Factors

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-2000L	1.257	24.9	0.92
-1500L	1.00	18.2	1.00
-1000L	0.579	9.0	1.17

Dimensions



Ceiling Cut-out
6¾" Dia.



** See notes on page 1 for additional info on Lumen Factors*

Photometry - Installed Complete Fixture

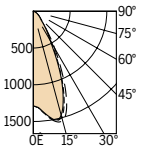
LM-79 IESNA Certified Photometry from Independent Lab

-1500L-WFL

Lumens: 1366
LPW: 75
Beam: ~50°
SC: 0.9
ITL Test: 90894

Cone of Light▲

Dist.	FC	Dia.
6	35.7	5.6
8	20.1	7.5
10	12.9	9.4
12	8.9	11.2
14	6.6	13.1
16	5.0	15.0



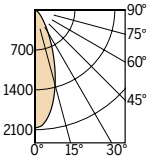
Nominal Lumens	Actual Lumens	Actual LPW
2000L	1717	69.1
1500L	1366	75.1
1000L	791	87.9

-1500L-MFL

Lumens: 1273
LPW: 71
Beam: ~35°
SC: 0.6
ITL Test: 90900

Cone of Light▲

Dist.	FC	Dia.
6	57.5	3.7
8	32.4	5.0
10	20.7	6.2
12	14.4	7.5
14	10.6	8.7
16	8.1	10.0



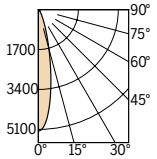
Nominal Lumens	Actual Lumens	Actual LPW
2000L	1600	65.0
1500L	1273	70.7
1000L	737	82.7

-1500L-NFL

Lumens: 1358
LPW: 75
Beam: ~22°
SC: 0.4
ITL Test: 90895

Cone of Light▲

Dist.	FC	Dia.
6	143.5	2.4
8	80.7	3.1
10	51.7	3.9
12	35.9	4.7
14	26.4	5.5
16	20.2	6.3



Nominal Lumens	Actual Lumens	Actual LPW
2000L	1707	69.0
1500L	1358	75.0
1000L	786	87.8

LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

▲ Cone of Light Key
Dia. (in ft.) shown is where FC value is half the FC at nadir.

Dist. Distance (Ft.) from fixture
FC Footcandles at nadir (0°)
Dia. Circle of light at 50% of FC

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTIED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE, INSTALLED TO N.E.C., IN NORMAL USE. Manufacturer at his option 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 five 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.

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