

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Choice Series

Open Appearance 6" Adjustable • COB LED

30° Max Tilt • 50,000+ Hours • High Output • 1.0% Dimming, 0-10V
2 or 3 Step Binning • Wet Listed • LM-80 and LM-79 Certified

Specifications

Delivered System Performance

- Lumen Series: **Must Specify**

Type IC	Non-IC
-4000L	-7000L
-3000L	-6000L
-2500L	-5000L
-2000L	
-1500L	
-1000L	
- Select trim & beam distribution: see chart
- Select color (CCT): see chart; 80+ CRI standard; Option -HC for 90+ (15% lumen loss)
- 60,000 hour life, 50,000 in insulation

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 1.0% dimming standard
- Voltage Options: **Must Specify**
 - 120: -120V (50-60Hz); load insensitive
 - 277: -277V (50-60Hz); load insensitive

Trim Assembly/Optics

- Self-flanged clear Softex™ Semi Specular angle-cut cone with micropismatic lens (see -DL for downlight cone)
- Optional colors and finishes available
- Optics self-align with trim; hot aiming by hand
- Tilts 0-30°; rotates 360°; locks in place
- Accommodates sloped ceilings to 30°

Acrylic Enameled Aluminum Housing

- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test; all components fully sustainable
- Shallow depth fits restricted plenums
- Cool operation extends component life
- Visible and fully serviceable through aperture

Outlet Box (Galvanized)

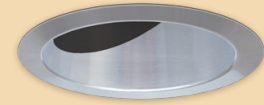
- UL Listed, 14GA, insulated, removable cover
- ½" and ¾" knockouts
- Up to 4 #12 AWG through-branch conductors

Installation & Hardware

- Indoor/outdoor in ceilings up to 1½" thick
- Compatible with fire rated enclosures (by others)
- 27" hanger bars & adjusting brackets (2) supplied

LRC-06CAD

Trim Options



-RND



-SQR

UL, C-UL (Canada) & FCC Compliance

- UL Listed: wet, damp or dry locations, covered ceilings
- Type IC up to -4000L; Non-IC for -5000L+
- FCC Part 15 certified for EMI/RFI emissions

FIVE YEAR Limited Warranty

- Complete standard fixture



Made in the USA



BioGard™
See Option -BG



FCC Part 15
Certified



UL Listed
Wet, Damp, Dry

Options and Ordering Configuration

(Example: LRC-06CAD-5000L-120-RND-SPT-35K-D2-EI5-45-RH)

Must Specify						Optional			
Model	Lumens	Volts	Trim	Beam	CCT† & CRI	Driver Options	Emergency Options	Trim Options	Other Options
LRC-06CAD									
	Non-IC	-120	-RND	-SPT	80+ CRI*	(Blank): Standard 0-10V CCR 1.0% dim	(Blank): None	(Blank): Standard Softex™ semi specular diffuse finish	(Blank): None
	-7000L	-277	-SQR	-NFL	-27K: 2700°K	-D2: 0-10V 0.1% dim	-E1: Remote emergency inverter for 100% rated lumens up to -3000L; 90+ minutes; N/A for options -FS	Trim Finishes	Mounting
	-6000L			-MFL	-30K: 3000°K	-D3: DALI 1.0% dim	-E14: Remote emergency inverter for 100% rated lumens up to -4000L; CEC Compliant; 90+ minutes; N/A for options -FS	-30F: White enamel flange	-RH: Joist mounting hardware instead
	-5000L			-WFL	-35K: 3500°K	-D4: DALI 100-0.1% dim	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-30T: White enamel trim	Other Options
	Type IC				-40K: 4000°K	-D5: DMX512A 0.1% dim; -4000L max	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-307: Dark bronze enamel flange	-99: Special modification; consult factory
	-4000L				-50K: 5000°K	-D6: Triac/ELV dim - 120 volt only	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-307F: Black enamel flange	-AT: Air Tight version; Meets ASTM E283 airflow restriction of 2CFM max
	-3000L				*Note: Lumen Factor = 0.93 for -27K	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-308F: Clear specular finish trim	-99: Special modification; consult factory
	-2500L				90+ CRI**	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-62T: Custom color; consult factory	-AT: Air Tight version; Meets ASTM E283 airflow restriction of 2CFM max
	-2000L				-27K-HC: 2700°K	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-94: BioGard™ anti-microbial white	-FS: Fused primary; One per fixture; N/A for Options -E1, -E14, -E15
	-1500L				-30K-HC: 3000°K	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	Other Trim Features	
	-1000L				-35K-HC: 3500°K	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-32: White trim extender; specify OD	
					-40K-HC: 4000°K	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-45: Gasket between trim & ceiling	
					-50K-HC: 5000°K (N/A for -3000L)	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-DA: Diffuse acrylic lens	
					**Note: Lumen Factor = 0.79 for -27K-HC; All Others = 0.85	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-DF: Electrically isolated trim	
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						-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS		

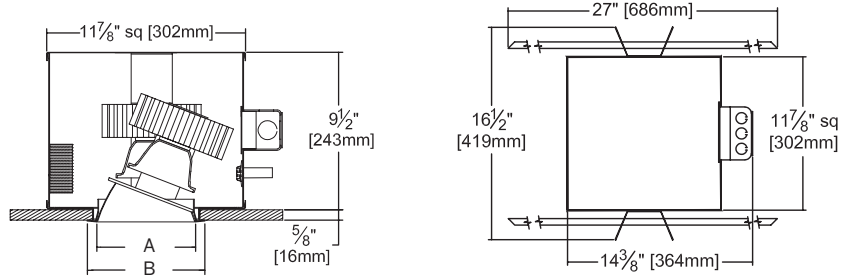
† For 2 SDCM, consult factory

Performance Factors

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-7000L	1.37	80.2	0.92
-6000L	1.22	69.1	0.95
-5000L	1.00	54.4	1.00
-4000L	0.74	36.7	1.09
-3000L	0.55	27.5	1.09
-2500L	0.49	24.7	1.08
-2000L	0.42	20.3	1.12
-1500L	0.31	14.4	1.16
-1000L	0.23	10.7	1.14

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

Dimensions



Trim Style	Ceiling Cut-Out	Dimension A	Dimension B
-RND	6 1/2" Dia.	6"	7 7/8"
-SQR	6 3/4" Sq.	5 7/8"	7 1/4"

Photometry - Installed Complete Fixture

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

LM-79 IESNA Certified Photometry from Independent Lab

<p>-5000L-RND-SPT</p> <p>Cone of Light ▲</p> <table border="1"> <thead> <tr> <th>Dist.</th> <th>FC</th> <th>Dia.</th> </tr> </thead> <tbody> <tr><td>6</td><td>370.4</td><td>2.7</td></tr> <tr><td>8</td><td>208.4</td><td>3.6</td></tr> <tr><td>10</td><td>133.4</td><td>4.5</td></tr> <tr><td>12</td><td>92.6</td><td>5.5</td></tr> <tr><td>14</td><td>68.0</td><td>6.4</td></tr> <tr><td>16</td><td>52.1</td><td>7.3</td></tr> </tbody> </table>	Dist.	FC	Dia.	6	370.4	2.7	8	208.4	3.6	10	133.4	4.5	12	92.6	5.5	14	68.0	6.4	16	52.1	7.3	<p>Lumens: 4414 LPW: 81 Beam: ~27° SC: 0.45 ITL Test: 93600</p> <table border="1"> <thead> <tr> <th>Nominal Lumens</th> <th>Actual Lumens</th> <th>Actual LPW</th> </tr> </thead> <tbody> <tr><td>7000L</td><td>6030</td><td>75.2</td></tr> <tr><td>6000L</td><td>5376</td><td>77.8</td></tr> <tr><td>5000L</td><td>4414</td><td>81.1</td></tr> <tr><td>4000L</td><td>3275</td><td>89.2</td></tr> <tr><td>3000L</td><td>2445</td><td>88.9</td></tr> <tr><td>2500L</td><td>2176</td><td>88.1</td></tr> <tr><td>2000L</td><td>1867</td><td>92.0</td></tr> </tbody> </table>	Nominal Lumens	Actual Lumens	Actual LPW	7000L	6030	75.2	6000L	5376	77.8	5000L	4414	81.1	4000L	3275	89.2	3000L	2445	88.9	2500L	2176	88.1	2000L	1867	92.0
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LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

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

LIMITED WARRANTY: KIRLIN LIGHTING FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THE PERIOD OF PURCHASE. INSTALLATION, MAINTENANCE, AND REPAIR MUST BE PERFORMED BY A QUALIFIED PROFESSIONAL. THE WARRANTY IS VOID IF THE FIXTURE IS DAMAGED BY IMPROPER INSTALLATION, MAINTENANCE, OR REPAIR. THE WARRANTY DOES NOT COVER DAMAGE TO THE FIXTURE CAUSED BY IMPROPER WIRING, OVERLOADING, OR OTHER ELECTRICAL ISSUES. THE WARRANTY IS VOID IF THE FIXTURE IS DAMAGED BY IMPROPER WIRING, OVERLOADING, OR OTHER ELECTRICAL ISSUES. THE WARRANTY IS VOID IF THE FIXTURE IS DAMAGED BY IMPROPER WIRING, OVERLOADING, OR OTHER ELECTRICAL ISSUES.

CHOICE SERIES
JUNE 2023