

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Choice Series

Classic "K-Lens" 8" Downlight • COB LED

50,000+ Hours • Type IC • 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
-2500L	-3000L
-2000L	
-1500L	
-1200L	
-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 (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 1.0% dimming standard
- Voltage Options: **Must Specify**
- UNV: -120-277/50-60Hz; load insensitive
- 120: -120V input (50-60Hz); for -D6 only

Trim Assembly/Optics

- Shock-resisting UV absorbing prismatic convex frosted Kirlin lens; see Options for others
- Rustfree polished nickel stainless door (304-L) with concealed hinges & captive thumb screw
- Beveled cast aluminum frame with white finish

Acrylic Enameled Aluminum Housing

- Rustproof: exceeds 1000 hour ASTM 5% salt spray test; all components fully sustainable
- Shallow depth for restricted plenums
- Cool operation extends component life
- Modular design; visible and fully serviceable through aperture

Outlet Box (Galvanized)

- UL Listed, 14GA, insulated, removable cover
- 1/2" and 3/4" knockouts
- Up to 4 #12 AWG through-branch conductors

Installation & Hardware

- Indoor/outdoor in ceilings up to 1 1/8" thick
- Compatible with fire rated enclosures (by others)

LRC-08KLD

Trim



-SKL

Lens Options



See below:

-13, -17
-23, -WA

- 27" hanger bars & adjusting brackets (2) supplied

UL, C-UL (Canada) & FCC Compliance

- UL Listed: wet, damp or dry locations, covered ceilings
- Type IC up to -2500L; Non-IC for -3000L
- FCC Part 15 certified for EMI/RFI emissions

FIVE YEAR Limited Warranty

- Complete standard fixture

Options and Ordering Configuration

(Example: LRC-08KLD-3000L-UNV-SKL-WFL-30K-17-AT)

Declare.



Made in the USA
BABAA Compliant



FCC Part 15
Certified



UL Listed
Wet, Damp, Dry

Must Specify						Optional			
Model	Lumens	Volts	Trim	Beam	CCT [†] & CRI	Driver Options	Emergency Options	Trim & Lens Options	Other Options
LRC-08KLD									
	Non-IC	-UNV	-SKL	-WFL	80+ CRI*	(Blank): Standard 0-10V CCR 1.0% dim	(Blank): None	(Blank): Standard white aluminum frame with convex glass K-lens	(Blank): None
	-3000L	-120			-27K: 2700°K				
	Type IC				-30K: 3000°K	-D2: 0-10V 0.1% dim	-E1: Remote emergency inverter: For 100% rated lumens up to -2500L; 90+ minutes; N/A for options -FS	Trim Finishes	Mounting
	-2500L				-35K: 3500°K	-D3: DALI 1.0% dim		-35T: Silver enamel frame	-RH: Joist mounting hardware instead
	-2000L				-40K: 4000°K	-D4: DALI 100-0.1% dim		-37T: Dark bronze enamel frame	Other Options *
	-1500L				-50K: 5000°K	-D5: DMX512A 0.1% dim	-E14: Remote emergency inverter: For 100% rated lumens at -3000L; CEC Compliant; 90+ minutes; N/A for options -FS	-38T: Black enamel frame	-99: Special modification; consult factory
	-1200L				*Note: Lumen Factor = 0.93 for -27K	-D6: Triac/ELV dim - 120 volt only	-E15: Internal emergency battery pack; Delivers 700 lumens; CEC Compliant; 90+ minutes	-94: Custom color; consult factory	
	-1000L				90+ CRI**	-ECO: Lutron EcoSys; Dim-to-black	-EM: Internal emergency battery pack; Delivers 1000 lumens; CEC Compliant; 90+ minutes	Other Trim Features	-AT: Air Tight version; Meets ASTM E283 airflow restriction of 2CFM max
					-27K-HC: 2700°K		-ERH: Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; 90+ minutes	-26: Tamper resistant center pin button head screw; 1 key/10 fixtures	-AWN: Athena Wireless Node; N/A for Dimming Options D5, D6, ECO
					-30K-HC: 3000°K			-32: White trim extender; specify OD	
					-35K-HC: 3500°K			-45: Gasket between trim & ceiling	
					-40K-HC: 4000°K			-46: Gasket between lens & trim	
					-50K-HC: 5000°K (-2500L or below)			Flat Lens Options	-FS: Fused primary; One per fixture; N/A for Options -E1, -E14
					**Note: Lumen Factor = 0.79 for -27K-HC; All Others = 0.85			-13: Clear polycarbonate beneath prismatic acrylic lens instead	*Note: For other integrated control solutions, such as nLight, contact factory
								-17: Prismatic high strength acrylic lens instead	
								-23: Frosted microprismatic lens instead	
								-WA: White acrylic lens instead	

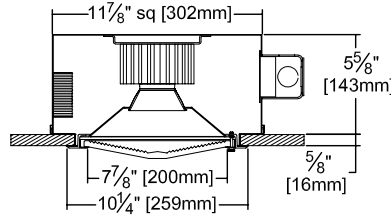
† For 2 SDCM, consult factory

Performance Factors

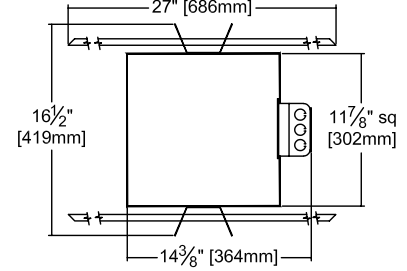
NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-3000L	1.33	39.2	0.93
-2500L	1.00	27.5	1.00
-2000L	0.89	24.7	0.99
-1500L	0.76	20.3	1.03
-1200L	0.56	14.4	1.06
-1000L	0.41	10.7	1.04

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

Dimensions




Ceiling Cut-Out
9 1/4" Sq.



Photometry - Installed Complete Fixture

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

LM-79 IESNA Certified Photometry from Independent Lab

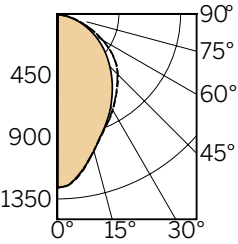


-2500L-SKL-WFL

Cone of Light ▲

Dist.	FC	Dia.
6	35.0	5.6
8	19.7	7.5
10	12.6	9.4
12	8.8	11.3
14	6.4	13.2
16	4.9	15.0

Lumens: 2524
LPW: 93
Beam: ~88°
SC: 0.96
ITL Test: 93908



Nominal Lumens	Actual Lumens	Actual LPW
3000L	3347	85.4
2500L	2524	93.5
2000L	2241	90.7
1500L	1926	94.9
1200L	1403	97.5
1000L	1027	96.0

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

▲ **Cone of Light Key**
Dist. (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 WARRANTED 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 to the office of manufacturer within the 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 applied 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. 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.