

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Choice Series

Regressed Lens 6" Downlight • COB LED

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 (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**
- 120: -120V (50-60Hz); load insensitive
- 277: -277V (50-60Hz); load insensitive

Trim Assembly

- White self-flanged regressed trim with microprismatic lens
- Optional colors and finishes available

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
- Modular design; 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-06LDN

Trim Options



-RND



-SQR

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) & 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

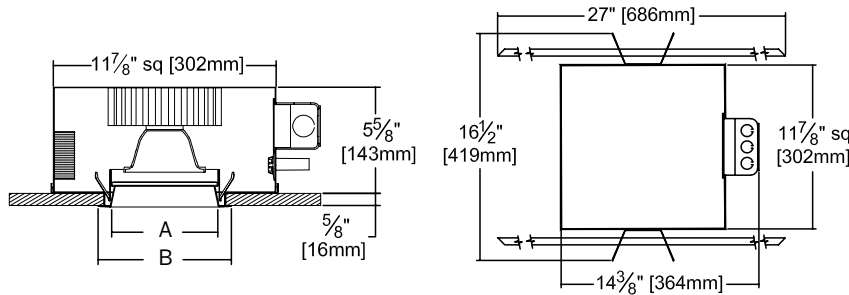
FIVE YEAR Limited Warranty

- Complete standard fixture

Declare.



Dimensions



Trim Style	Ceiling Cut-Out	Dimension A	Dimension B
-RND	6½" Dia.	5⅝"	7⅞"
-SQR	6¾" Sq.	5⅞"	7⅞"

Available Source Options

See page 2 for ordering configurations

SW

Static White
5 CCTs Available

TW

Tunable White

WD

Warm Dimming

Static White Options and Ordering Configuration



Red text = Quick Ship Eligible

(Example: LRC-06LDN-7000L-120-RND-NFL-30K-45-AT)

Must Specify						Optional			
Model	Lumens	Volts	Trim	Beam	CCT [†] & CRI	Driver Options	Emergency Options	Trim Options	Other Options
LRC-06LDN									
	Non-IC	-120	-RND	-SPT	80+ CRI*	(Blank): Standard 0-10V CCR 1.0% dim	(Blank): None	(Blank): Standard white enamel	(Blank): None
	-7000L	-277	-SQR	-NFL	-27K: 2700°K	-D2: 0-10V 0.1% dim	-EI: 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	-EI4: Remote emergency inverter for 100% rated lumens up to -4000L; CEC Compliant; 90+ minutes; N/A for options -FS	-35T: Silver enamel trim	-79: Extension collar; ceilings up to 2" thick
	-5000L			-WFL	-35K: 3500°K	-D4: DALI 100-0.1% dim	-EI5: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS	-37T: Dark bronze enamel trim	-RH: Joist mounting hardware instead
	Type IC				-40K: 4000°K	-D5: DMX512A 0.1% dim; -4000L max	-EM: Internal emergency battery pack; Delivers 700 lumens; CEC Compliant; 90+ minutes; -5000L and below only	-38T: Black enamel trim	Other Options *
	-4000L				-50K: 5000°K	-D6: Triac/ELV dim; 120 volt only; -4000L max	-ERH: Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; 90+ minutes	-BG: BioGard™ anti-microbial white	-99: Special modification; consult factory
	-3000L				*Note: Lumen Factor = 0.93 for -27K	-ECO: Lutron EcoSys; Dim-to-black; -4000L max		-BKBG: BioGard anti-microbial black	-AT: Air Tight version; Meets ASTM E283 airflow restriction of 2CFM max
	-2500L				90+ CRI**			-94: Custom color; consult factory	-AWN: Athena Wireless Node; N/A for Dimming Options D5, D6, ECO
	-2000L				-27K-HC: 2700°K			-94BG: BioGard anti-microbial custom color finish	-FS: Fused primary; One per fixture; N/A for Options -EI, -EI4, -EI5
	-1500L				-30K-HC: 3000°K			Other Trim Features	-NAT: Modified for natatorium use
	-1000L				-35K-HC: 3500°K			-13: .125" clear poly. lens overlay	-QS: Quick Ship; Options must be only red items; Quantities of 10-100
					-40K-HC: 4000°K			-23: Frosted microprismatic lens	*Note: For other integrated control solutions, such as nLight, contact factory
					-50K-HC: 5000°K (N/A for -3000L)			-32: White trim extender, specify OD	
					**Note: Lumen Factor = 0.79 for -27K-HC; All Others = 0.85			-33: Decorative Glow Ring; see last page for details	
					† For 2 SDCM, consult factory			-45: Gasket between trim & ceiling	
								-46: Gasket between lens & trim	
								-CF: Custom color filter (Rosco); Specify	
								-DA: Diffuse acrylic lens	
								-DF: Electrically isolated trim	
								-WA: White acrylic lens	

Dynamic White Options and Ordering Configuration

(Example: LRC-06LDN-1000L-UNV-RND-NFL-2718-WD-45-AT)

Must Specify						Optional			
Model	Lumens	Volts	Trim	Beam	CCT & CRI	Driver Options	Emergency Options	Trim Options	Other Options
LRC-06LDN									
	Type IC	-UNV	-RND	-NFL	-6527: 6500°K - 2700°K range, 90+ CRI	-TW: Dual 0-10V Tunable White control with 0.1% dimming	(Blank): None	(Blank): Standard white enamel	(Blank): None
	-2000L		-SQR	-MFL	-4018: 4000°K - 1800°K range, 90+ CRI	-TW7: DALI dual drive 0.1% tunable white dimming driver instead	-EI: Remote emergency inverter for 100% rated lumen output; 90+ minutes; N/A for options -FS	Trim Finishes	Mounting
	-1500L			-WFL	-3518: 3500°K - 1800°K range, 90+ CRI	-TW8: DALI DT8 dual drive 0.1% tunable white dimming driver instead	-EM: Internal emergency battery pack; Delivers 700 lumens; CEC Compliant; 90+ minutes	-35T: Silver enamel trim	-79: Extension collar; ceilings up to 2" thick
	-1000L				-3018: 3000°K - 1800°K range, 90+ CRI	-WD: Warm Dimming 0-10V control with 0.1% dimming; N/A for Option -6527	-ERH: Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; 90+ minutes	-37T: Dark bronze enamel trim	-RH: Joist mounting hardware instead
					-2718: 2700°K - 1800°K range, 90+ CRI	-WD7: DALI 0.1% warm dimming driver instead; N/A for Option -6527		-38T: Black enamel trim	Other Options *
								-BG: BioGard™ anti-microbial white	-99: Special modification; consult factory
								-BKBG: BioGard anti-microbial black	-AT: Air Tight version; Meets ASTM E283 airflow restriction of 2CFM max
								-94: Custom color; consult factory	-AWN: Athena Wireless Node; N/A for Dimming Options TW, TW7
								Other Trim Features	-FS: Fused primary; One per fixture; N/A for Option -EI
								-13: .125" clear poly. lens overlay	-NAT: Modified for natatorium use
								-23: Frosted microprismatic lens	*Note: For other integrated control solutions, such as nLight, contact factory
								-32: White trim extender, specify OD	
								-33: Decorative Glow Ring; see last page for details	
								-45: Gasket between trim & ceiling	
								-46: Gasket between lens & trim	
								-DA: Diffuse acrylic lens	
								-DF: Electrically isolated trim	
								-WA: White acrylic lens	

Performance Factors - Static White

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-7000L	1.00	80.2	1.00
-6000L	0.89	69.1	1.02
-5000L	0.73	54.4	1.06
-4000L	0.54	36.7	1.17
-3000L	0.41	27.5	1.16
-2500L	0.36	24.7	1.15
-2000L	0.31	20.3	1.20
-1500L	0.23	14.4	1.24
-1000L	0.17	10.7	1.22

* See notes on page 2 for additional info on Lumen Factors

Performance Factors - Tunable White

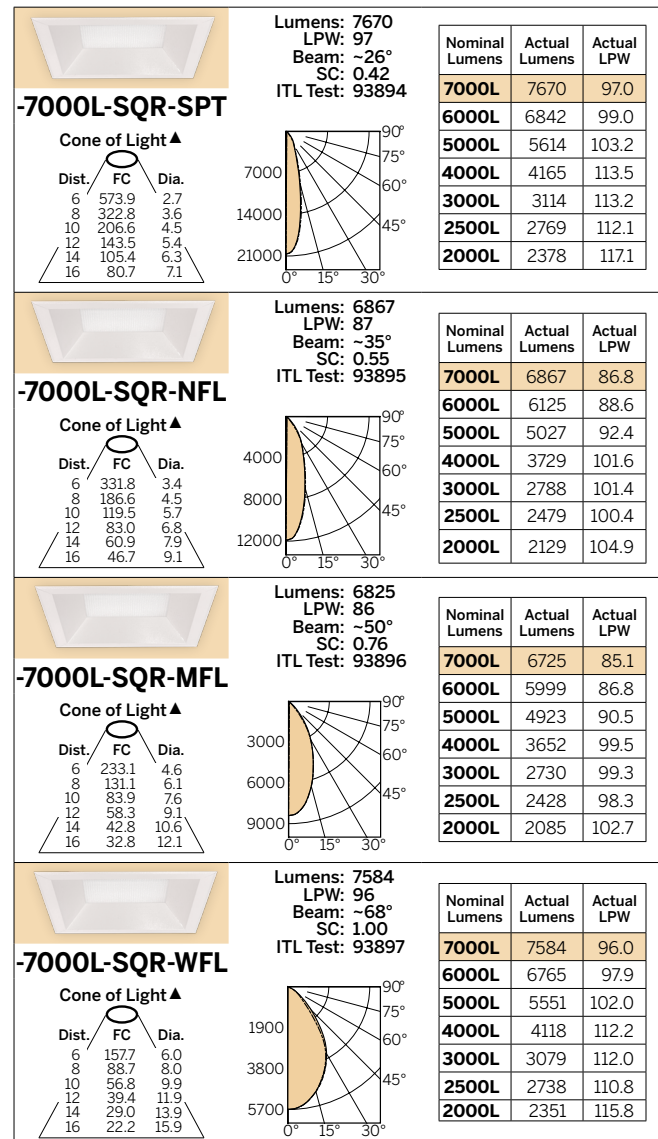
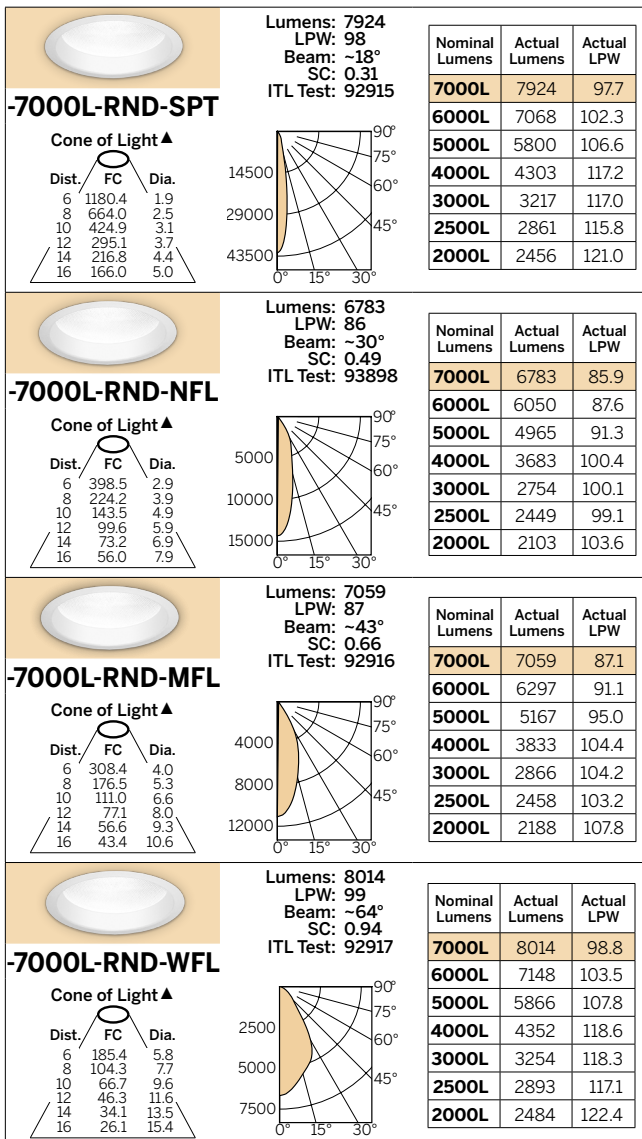
Lumen factors are based on comparable Static White light output.

NOMINAL LUMENS	6500K LUMEN FACTOR	2700K LUMEN FACTOR	NOMINAL WATTS
-2000L	0.65	0.52	20.8
-1500L	0.65	0.52	14.9
-1000L	0.65	0.52	11.4

Photometry - Static White - Installed Complete Fixture

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

LM-79 IESNA Certified Photometry from Independent Lab



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.
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

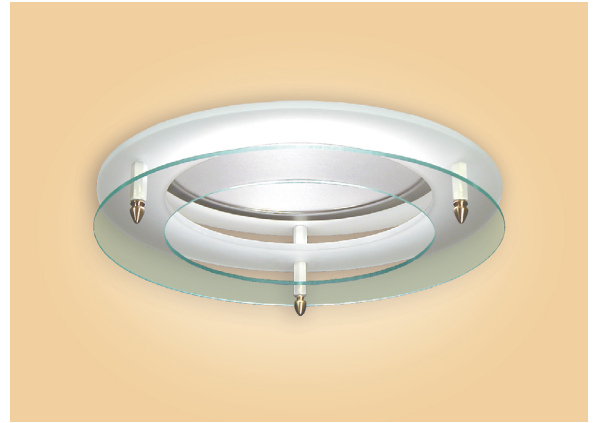
LIMITED WARRANTY: KIRLIN LIGHTING FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLATION, E.C., IN NORMAL USE. Manufacturer at the option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within the years of original shipment. Liability of 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.

CHOICE SERIES
January 2025

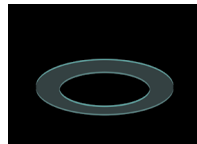
Classic Glow Rings: Option -33 for Choice Series

To order a Kirlin Glow Ring, begin by adding -33 to the product number. Then, configure your Glow Ring by selecting each of the 7 design elements listed below:

(Example: LRC-06LDN-7000L-120-RND-MFL-35K-**33-GLM-1L-FRR-ROF-SIF-ROS-SIS**)



1. Ring Material
(choose one)



Glass (-GLM)

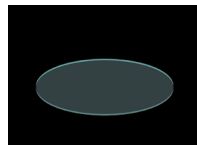


Acrylic (-ACM)

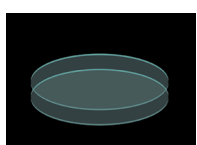


Custom (-CUM)

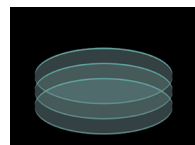
2. # of Rings
(choose one)



1 Ring (1L)



2 Rings (-2L)



3 Rings (-3L)

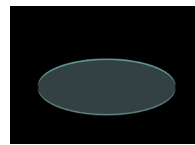
3. Ring Design
(choose one)



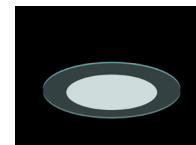
Frosted Ring (-FRR)



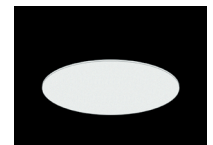
Clear Ring (-CRR)



Solid Disk (-SDR)

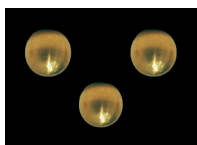


Frosted Center (-FCR)



Frosted Disk (-FDR)

4. Finial Design
(choose one)



Round (-ROF)



Knurled (-KNF)



Cone (-COF)

5. Finial Color
(choose one)



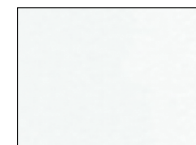
Brass (-BRF)



Silver (-SIF)



Black (-BLF)

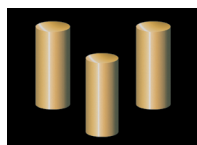


White (-WHF)

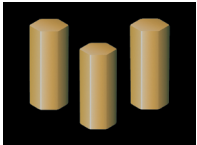


Custom (-CUF)

6. Standoff Design
(choose one)



Round (-ROS)



Hexagonal (-HOS)

7. Standoff Color
(choose one)



Brass (-BRS)



Silver (-SIS)



Black (-BLS)



White (-WHS)



Custom (-CFS)