

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Choice Series

Regressed Lens 4" 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
-3000L	-4000L
-2500L	
-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**
- UNV: -120-277/50-60Hz; load insensitive
- 120: -120V input (50-60Hz); for -D6 only

Trim Assembly

- White self-flanged regressed trim with microprismatic lens (-RND/-SQR)
- Brushed nickel flat trim with frosted microprismatic lens (-FTR)
- Brushed nickel "Porthole" trim (-PTR)
- Optional colors and finishes available

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
- 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

Quick Ship Eligible

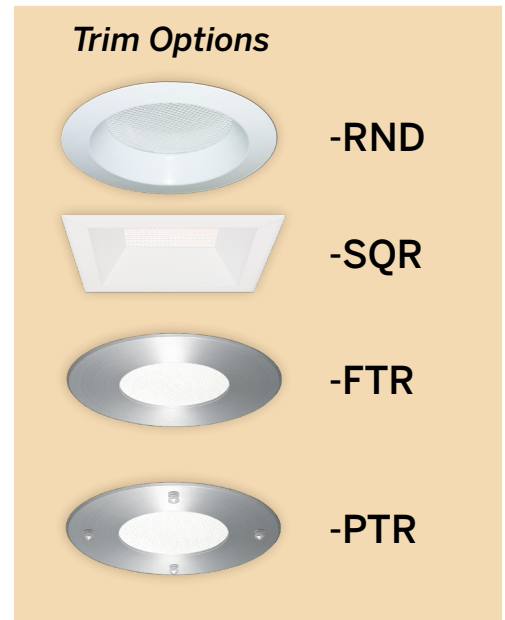
- Eligible for Quick Ship of 2 weeks or less
- Quantity requirements: 10 - 100 pieces
- Requires choosing options in **red** on the next page and including the -QS option code

UL, C-UL (Canada) & FCC Compliance

- UL Listed: wet, damp or dry locations, covered ceilings
- Type IC up to -3000L; Non-IC for -4000L
- FCC Part 15 certified for EMI/RFI emissions

FIVE YEAR Limited Warranty

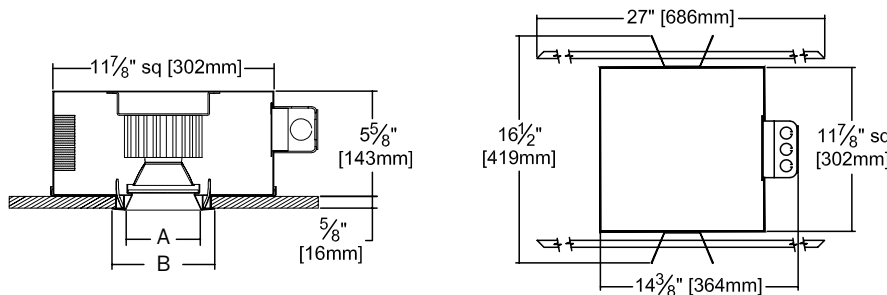
- Complete standard fixture



Declare.



Dimensions



Trim Style	Ceiling Cut-Out	Dimension A	Dimension B
-RND	5" Dia.	4"	5½"
-FTR, -PTR	5" Dia.	3½"	6¾"
-SQR	5¼" Sq.	4½"	5¾"

Available Source Options

See page 2 for ordering configurations



Static White
5 CCTs Available



Tunable White



Warm Dimming

Static White Options and Ordering Configuration

(Example: LRC-04LDN-3000L-UNV-RND-NFL-30K-DF-AT)

 **Red text = Quick Ship Eligible**

Must Specify						Optional			
Model	Lumens	Volts	Trim	Beam	CCT† & CRI	Driver Options	Emergency	Trim Options	Other Options
LRC-04LDN									
	Non-IC	-UNV	-RND	-RND & -SQR	80+ CRI*	(Blank): Standard 0-10V CCR 1.0% dim	(Blank): None	(Blank): Standard trim; see photos	(Blank): None
	-4000L	-120	-SQR	-NFL	-27K: 2700°K				
	Type IC		-FTR	-MFL	-30K: 3000°K		-EI: Remote emergency inverter for 100% rated lumens up to -3000L; 90+ minutes; N/A for options -FS	Trim Finishes	Mounting
	-3000L		-PTR	-WFL	-35K: 3500°K	-D2: 0-10V 0.1% dim	-EI4: Remote emergency inverter for 100% rated lumens up to -4000L; CEC Compliant; 90+ minutes; N/A for options -FS	-30T: White enamel trim (standard for -RND and -SQR trims)	-78: Concrete pour housing with 2" collar
	-2500L			-FTR & -PTR	-40K: 4000°K	-D3: DALI 1.0% dim		-35T: Silver enamel trim	-79: Extension collar; ceilings up to 2" thick
	-2000L			-MFL	-50K: 5000°K	-D4: DALI 100-0.1% dim		-37T: Dark bronze enamel trim	-RH: Joist mounting hardware instead
	-1500L			-WFL	*Note: Lumen Factor = 0.93 for -27K	-D5: DMX512A 0.1% dim		-38T: Black enamel trim	Other Options *
	-1000L				90+ CRI**	-D6: Triac/ELV dim - 120 volt only	-EM: Internal emergency battery pack; CEC Compliant; Delivers 700 lumens; 90+ minutes	-BG: BioGard™ anti-microbial white	-99: Special modification; consult factory
					-27K-HC: 2700°K	-ECO: Lutron EcoSys; Dim-to-black	-ERH: Remote emergency battery pack; Delivers 1000 lumens; 90+ minutes (CEC Compliant)	-KBG: BioGard anti-microbial black	-AT: Air Tight version; Meets ASTM E283 air-flow restriction of 2CFM max
					-30K-HC: 3000°K			-94: Custom color; consult factory	-AWN: Athena Wireless Node; N/A for Dimming Options D5, D6, ECO
					-35K-HC: 3500°K			-94BG: BioGard anti-microbial custom color finish	-FS: Fused primary; One per fixture; N/A for Options -EI, -EI4
					-40K-HC: 4000°K			Other Trim Features	-QS: Quick Ship; Options must be only red items; Quantities of 10-100
					-50K-HC: 5000°K (-2500L or below)			-13: .125" clear poly. lens overlay	*Note: For other integrated control solutions, such as nLight, contact factory
					**Note: Lumen Factor = 0.79 for -27K-HC; All Others = 0.85			-23: Frosted microprismatic lens (standard for -FTR & -PTR trims)	
								-32: White trim extender, specify OD	
								-33: Decorative Glow Ring; see last page for details (-PTR trim only)	
								-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	

† For 2 SDCM, consult factory

Dynamic White Options and Ordering Configuration

(Example: LRC-04LDN-1500L-UNV-RND-NFL-6527-WD7-DF-AT)

Must Specify						Optional										
Model	Lumens	Volts	Trim	Beam	CCT & CRI	Driver Options	Emergency	Trim Options	Other Options							
LRC-04LDN																
	Type IC	-UNV	-RND	-RND & -SQR	-6527: 6500°K - 2700°K range, 90+ CRI	-TW: Dual 0-10V Tunable White control with 0.1% dimming -TW7: DALI dual drive 0.1% tunable white dimming driver instead -TW8: DALI DT8 dual drive 0.1% tunable white dimming driver instead -WD: Warm Dimming 0-10V control with 0.1% dimming; N/A for Option -6527 -WD7: DALI 0.1% warm dimming driver instead; N/A for Option -6527	(Blank): None -EI: Remote emergency inverter for 100% rated lumen output; 90+ minutes; N/A for options -FS -EM: Internal emergency battery pack;CEC Compliant; Delivers 700 lumens; 90+ minutes -ERH: Remote emergency battery pack; Delivers 1000 lumens; 90+ minutes (CEC Compliant)	(Blank): Standard trim; see photos	(Blank): None							
	-2000L			-SQR	-NFL											
	-1500L			-FTR	-MFL											
	-1000L			-PTR	-WFL											
				-FTR & -PTR	-3518: 3500°K - 1800°K range, 90+ CRI -3018: 3000°K - 1800°K range, 90+ CRI -2718: 2700°K - 1800°K range, 90+ CRI											
										Trim Finishes		Mounting				
										-30T: White enamel trim (standard for -RND and -SQR trims)		-78: Concrete pour housing with 2" collar				
										-35T: Silver enamel trim		-79: Extension collar; ceilings up to 2" thick				
										-37T: Dark bronze enamel trim		-RH: Joist mounting hardware instead				
										-38T: Black enamel trim						
										-BG: BioGard™ anti-microbial white						
										-BKBG: BioGard anti-microbial black						
										-94: Custom color; consult factory						
										-94BG: BioGard anti-microbial custom color finish						
										Other Trim Features		Other Options *				
										-13: .125" clear poly. lens overlay		-99: Special modification; consult factory				
						-23: Frosted microprismatic lens (standard for -FTR & -PTR trims)		-AT: Air Tight version; Meets ASTM E283 air-flow restriction of 2CFM max								
						-32: White trim extender, specify OD		-AWN: Athena Wireless Node; N/A for Dimming Options TW, TW7								
						-33: Decorative Glow Ring; see last page for details (-PTR trim only)		-FS: Fused primary; One per fixture; N/A for Option -EI								
						-45: Gasket between trim & ceiling		-NAT: Modified for natatorium use								
						-46: Gasket between lens & trim		*Note: For other integrated control solutions, such as nLight, contact factory								
						-DA: Diffuse acrylic lens										
						-DF: Electrically isolated trim										
						-WA: White acrylic lens										

Performance Factors - Static White

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-4000L	1.33	39.2	0.93
-3000L	1.00	27.5	1.00
-2500L	0.89	24.7	0.99
-2000L	0.76	20.3	1.04
-1500L	0.56	14.4	1.07
-1000L	0.41	10.7	1.05

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

Performance Factors - Tunable White

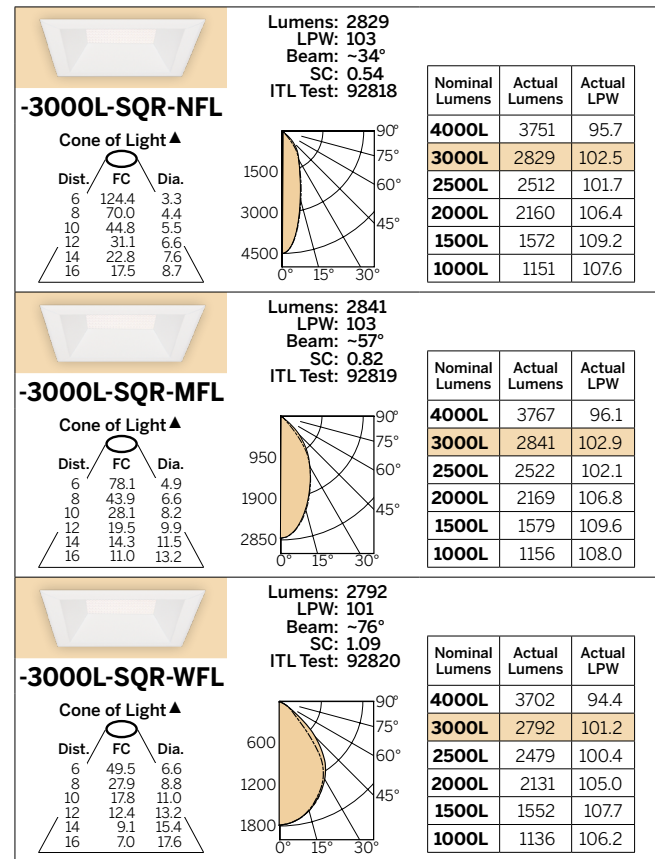
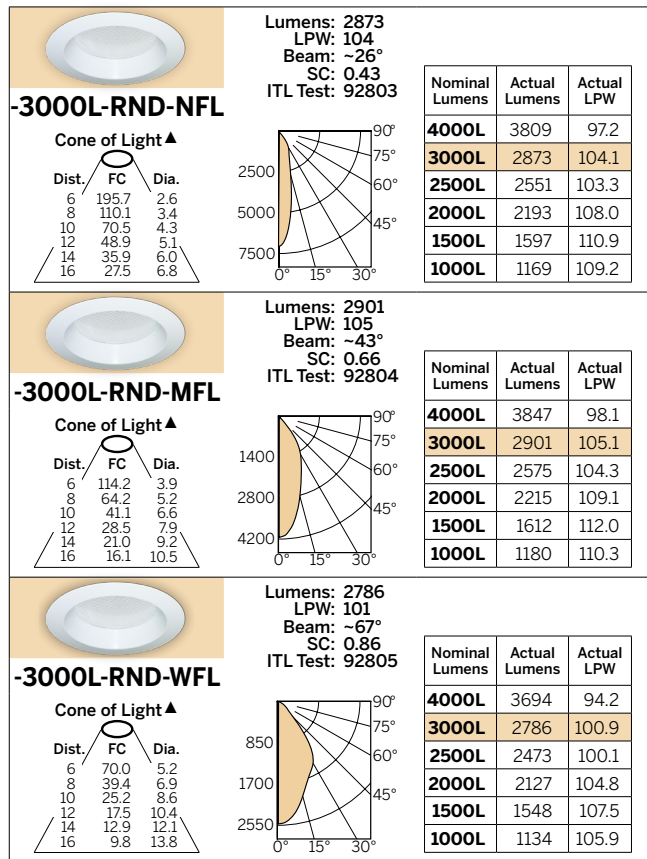
Lumen factors are based on comparable Static White light output.

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**
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

Performance Factors - Static White

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-4000L	1.74	39.2	0.90
-3000L	1.31	27.5	0.98
-2500L	1.16	24.7	0.96
-2000L	1.00	20.3	1.00
-1500L	0.73	14.4	1.03
-1000L	0.53	10.7	1.02

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

Performance Factors - Tunable White

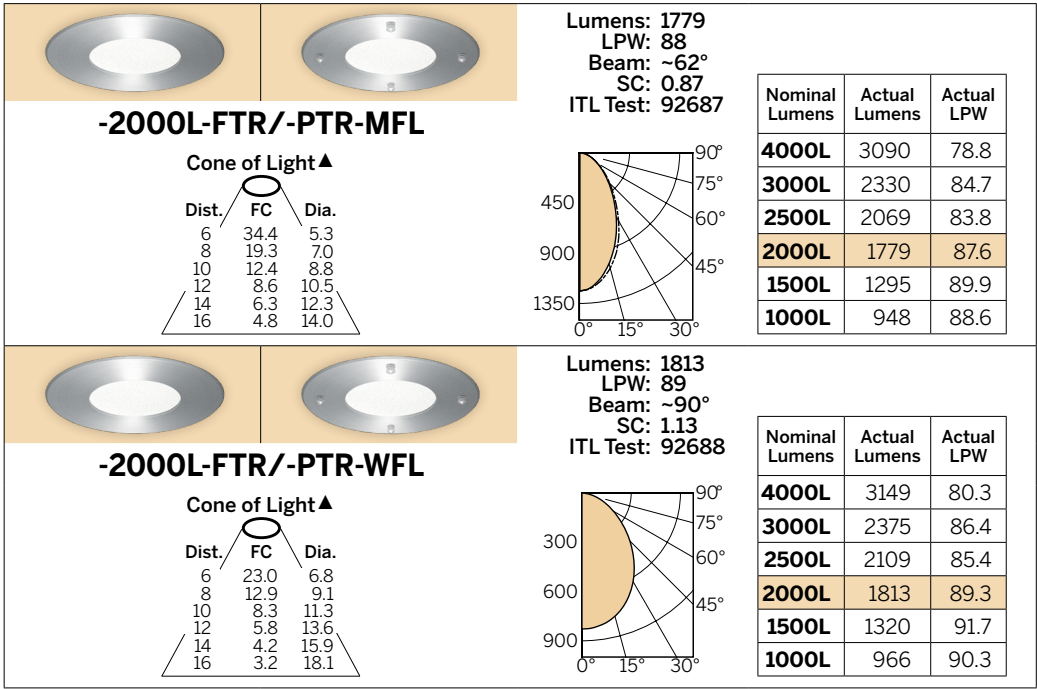
Lumen factors are based on comparable Static White light output.

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**
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

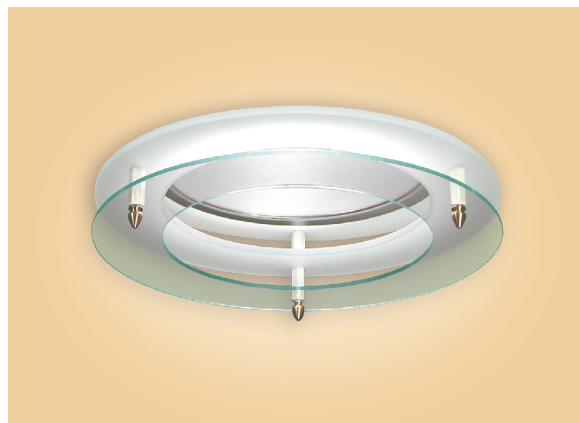
LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at his option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture 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.

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-04LDN-3000L-UNV-PTR-MFL-30K-**33-GLM-1L-FRR-ROF-SIF-ROS-SIS**)



1. Ring Material
(choose one)



Glass (-GLM)

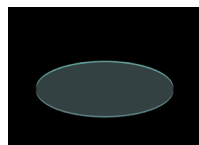


Acrylic (-ACM)

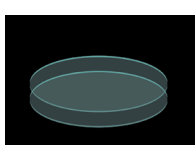


Custom (-CUM)

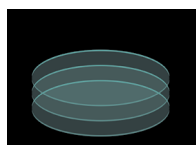
2. # of Rings
(choose one)



1 Ring (1L)



2 Rings (-2L)



3 Rings (-3L)

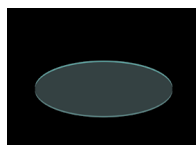
3. Ring Design
(choose one)



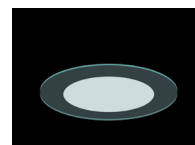
Frosted Ring (-FRR)



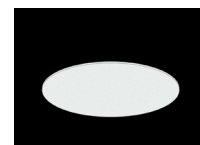
Clear Ring (-CRR)



Solid Disk (-SDR)

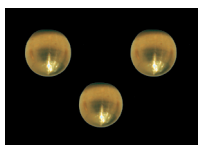


Frosted Center (-FCR)



Frosted Disk (-FDR)

4. Finial Design
(choose one)



Round (-ROF)



Knurled (-KNF)



Cone (-COF)

5. Finial Color
(choose one)



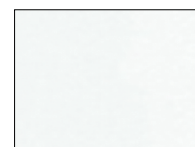
Brass (-BRF)



Silver (-SIF)



Black (-BLF)

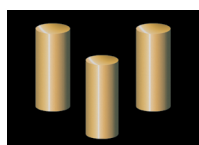


White (-WHF)

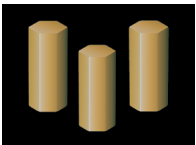


Custom (-CUF)

6. Standoff Design
(choose one)



Round (-ROS)



Hexagonal (-HOS)

7. Standoff Color
(choose one)



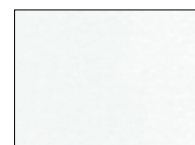
Brass (-BRS)



Silver (-SIS)



Black (-BLS)



White (-WHS)



Custom (-CFS)