

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Choice Series

Super Shallow 4" Downlight • COB LED

2¾" Housing Depth • 50,000+ Hours • Type IC • 1.0% Dimming
2 or 3 Step Binning • Wet Listed • LM-80 and LM-79 Certified

Specifications

Delivered System Performance

- Lumen Series: **Must Specify**

Type IC

-3000L

-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

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

UL, C-UL (Canada) & FCC Compliance

- UL Listed: wet, damp or dry locations, covered ceilings

LRC-04SDN

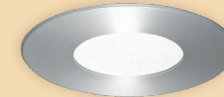
Trim Options



-RND



-SQR



-FTR

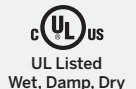


-PTR

- Type IC up to -3000L
- FCC Part 15 certified for EMI/RFI emissions

FIVE YEAR Limited Warranty

- Complete standard fixture



Options and Ordering Configuration

(Example: LRC-04SDN-3000L-UNV-RND-NFL-30K-46)

Must Specify						Optional			
Model	Lumens	Volts	Trim	Beam	CCT [†] & CRI	Driver Options	Emergency Options	Trim Options	Other Options
LRC-04SDN									
	Type IC	-UNV	-RND	-RND & -SQR	80+ CRI*	(Blank): Standard 0-10V CCR 1.0% dim	(Blank): None	(Blank): Standard trim; see photos	(Blank): None
	-3000L	-120	-SQR	-NFL	-27K: 2700°K	Consult Factory:	-EI: Remote emergency inverter for 100% rated lumens up to -3000L; 90+ minutes; N/A for options -FS	-30T: White enamel trim (standard for -RND and -SQR trims)	-79: Extension collar; ceilings up to 2" thick
	-2500L		-FTR	-MFL	-30K: 3000°K	-D2: 0-10V 0.1% dim	-E14: Remote emergency inverter for 100% rated lumens up to -4000L; CEC Compliant; 90+ minutes; N/A for options -FS	-35T: Silver enamel trim	-99: Special modification; consult factory
	-2000L		-PTR	-WFL	-35K: 3500°K	-D3: DALI 1.0% dim		-37T: Dark bronze enamel trim	-FS: Fused primary; One per fixture; N/A for Options -EI, -E14
	-1500L			-FTR & -PTR	-40K: 4000°K	-D4: DALI 100-0.1% dim		-38T: Black enamel trim	-NAT: Modified for natatorium use
	-1000L			-MFL	-50K: 5000°K	-D5: DMX512A 0.1% dim	-ERH: Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; 90+ minutes	-BG: BioGard™ anti-microbial white	
				-WFL	*Note: Lumen Factor = 0.93 for -27K	-D6: Triac/ELV dim - 120 volt only		Other Trim Features	
					90+ CRI**	-ECO: Lutron EcoSys; Dim-to-black		-13: .125" clear poly. lens overlay	
					-27K-HC: 2700°K			-23: Frosted microprismatic lens (standard for -FTR & -PTR trims)	
					-30K-HC: 3000°K			-32: White trim extender, specify OD	
					-35K-HC: 3500°K			-33: Decorative Glow Ring; see last page for details (-PTR trim only)	
					-40K-HC: 4000°K			-45: Gasket between trim & ceiling	
					-50K-HC: 5000°K (-2500L or below)			-46: Gasket between lens & trim	
					**Note: Lumen Factor = 0.79 for -27K-HC; All Others = 0.85			-DA: Diffuse acrylic lens	
								-DF: Electrically isolated trim	
								-WA: White acrylic lens	

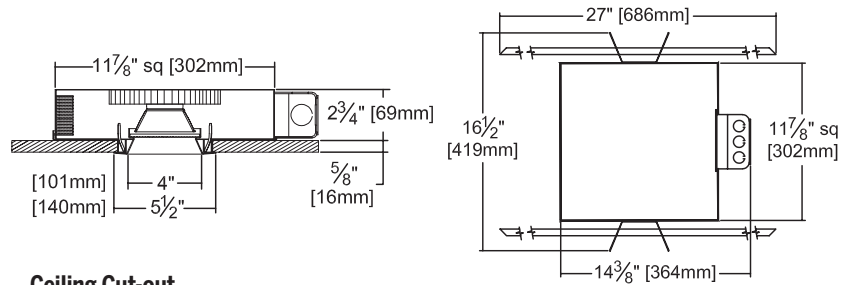
[†] For 2 SDCM, consult factory

Performance Factors

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-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 1 for additional info on Lumen Factors

Dimensions

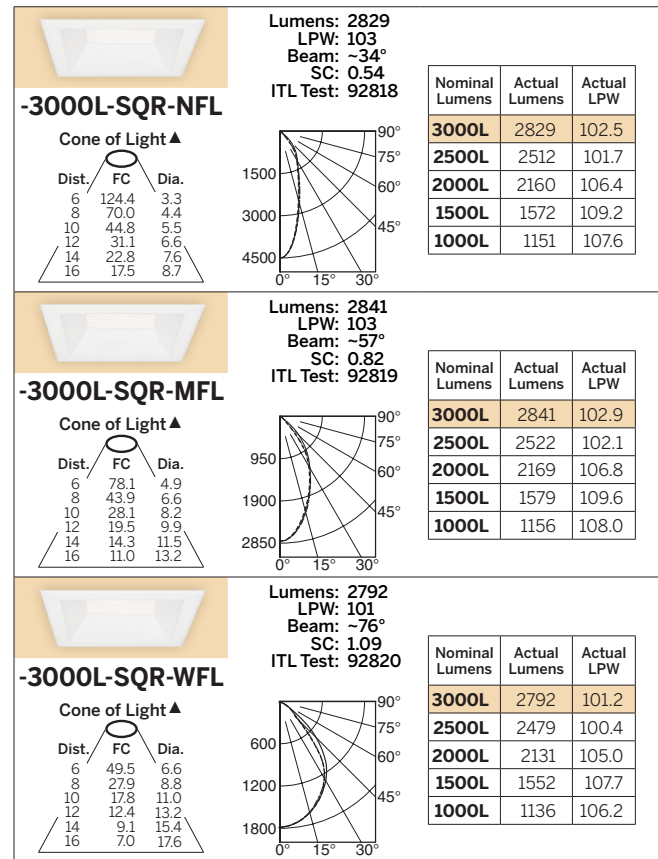
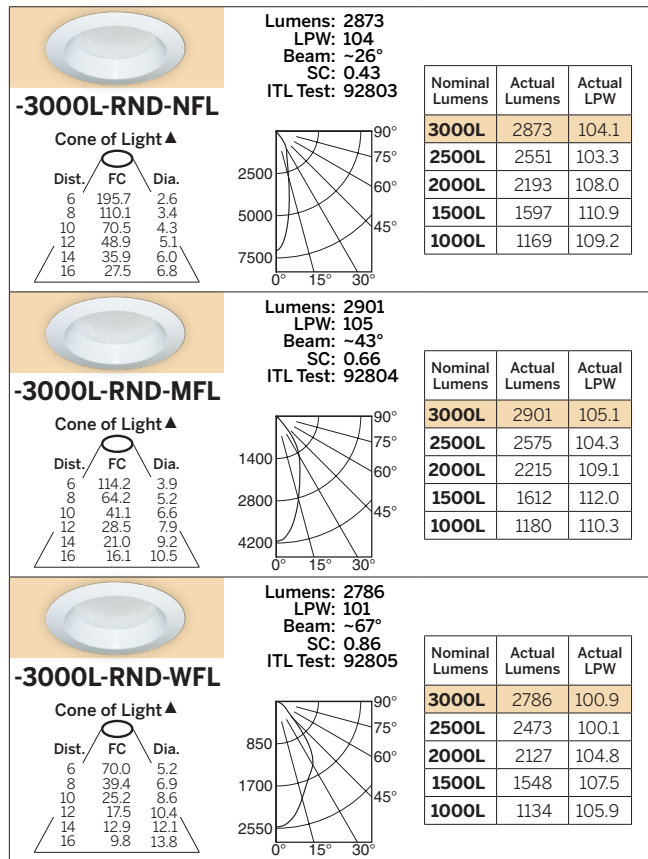


Ceiling Cut-out
 5" Dia. (-RND, -PTR)
 5 1/4" Sq. (-SQR)

Photometry - 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.

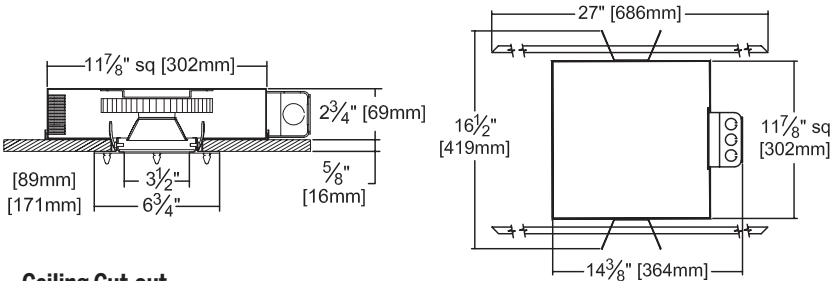
▲ Cone of Light Key
 Dist. Distance (Ft.) from fixture
 Dia. (in ft.) shown is where FC value is half the FC at nadir.
 FC Footcandles at nadir (0°)
 Dia. Circle of light at 50% of FC

Performance Factors

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-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 1 for additional info on Lumen Factors

Dimensions

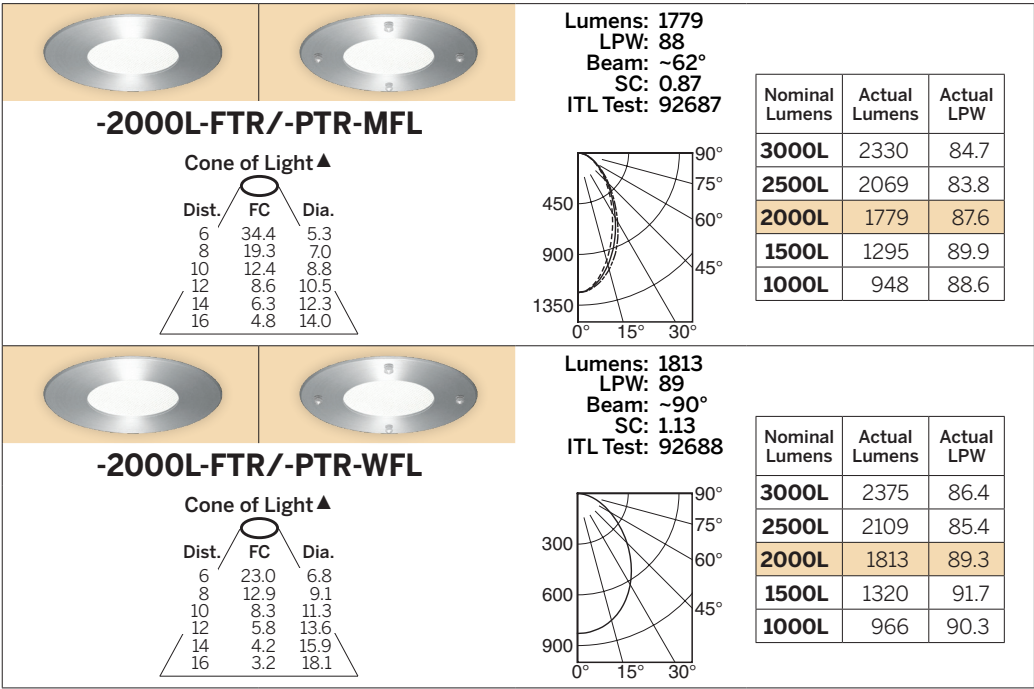


Ceiling Cut-out
5" Dia. (-RND, -PTR)
5 1/4" Sq. (-SQR)

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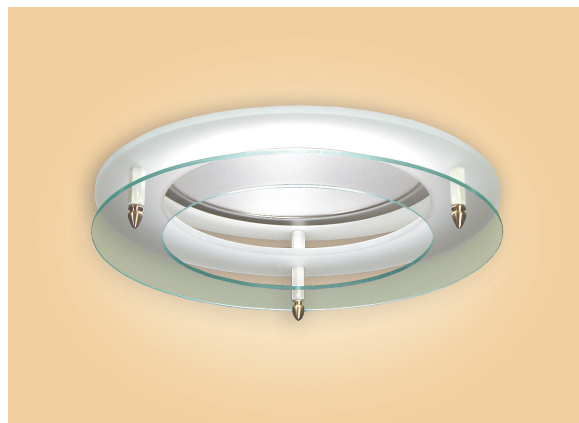
▲ **Cone of Light Key**
Dia. (in ft.) shown is where FC value is half the FC at nadir.
Dist. Distance (Ft.) from fixture
FC Footcandles at nadir (0°)
Dia. Circle of light at 50% of FC

LIMITED WARRANTY: KIRLIN LIGHTING ARCHITECTURAL LIGHTING FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLATION 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.

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



1. Ring Material
(choose one)



Glass (-GLM)



Acrylic (-ACM)

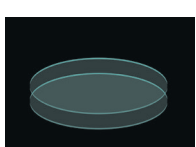


Custom (-CUM)

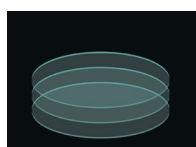
2. # of Rings
(choose one)



1 Ring (1L)



2 Rings (-2L)



3 Rings (-3L)

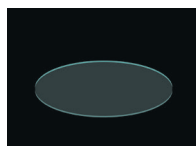
3. Ring Design
(choose one)



Frosted Ring (-FRR)



Clear Ring (-CRR)



Solid Disk (-SDR)

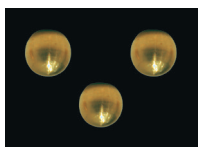


Frosted Center (-FCR)



Frosted Disk (-FDR)

4. Finial Design
(choose one)



Round (-ROF)



Knurled (-KNF)



Cone (-COF)

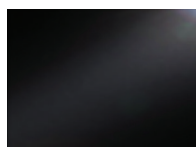
5. Finial Color
(choose one)



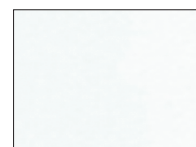
Brass (-BRF)



Silver (-SIF)



Black (-BLF)

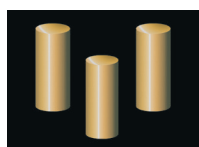


White (-WHF)

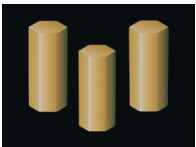


Custom (-CUF)

6. Standoff Design
(choose one)



Round (-ROS)



Hexagonal (-HOS)

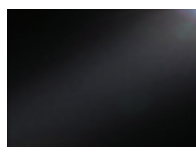
7. Standoff Color
(choose one)



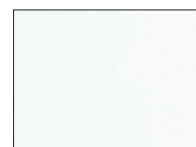
Brass (-BRS)



Silver (-SIS)



Black (-BLS)



White (-WHS)



Custom (-CFS)

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