

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Choice Series

Ligature & Vandal 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

- Nominal Lumens: **Must Specify**

Type IC

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

IK10-Rated Trim/Lens Assembly

- Ligature resistant smooth tapered self-flanged cast aluminum trim (-RWF is field paintable)
- Tamperproof screws, captive nuts secure trim to housing; tamperproof tool included
- Diffuse acrylic lens above .220" clear polycarbonate; also see Option -WA

Acrylic Enamelled 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
- 1/2" and 3/4" knockouts
- Up to 4 #12 AWG through-branch conductors

LRC-04VND

Trim Options



-RWF



-SQR

Installation & Hardware

- Indoor/outdoor in ceilings up to 1 1/8" thick
- Compatible with fire rated enclosures (by others)
- 27" hanger bars & adjusting brackets (2) supplied

UL, C-UL (Canada) & FCC Compliance

- UL listed Type IC: up to -2500L
- FCC Part 15 certified for EMI/RFI emissions

FIVE YEAR Limited Warranty

- Complete standard fixture



Made in the USA



IK10 Impact Resistant



Vandal Resistant



Natorium
See Option -I66



IP66
See Option -I66



BioGard™
See Option -BG



ISO 5/Class 100
See Option -SH



FCC Part 15
Certified



UL Listed
Wet, Damp, Dry

Options and Ordering Configuration

(Example: LRC-04VND-2500L-120-RWF-MFL-30K-BG-FS)

Must Specify						Optional			
Model	Lumens	Volts	Trim	Beam	CCT [†] & CRI	Driver Options	Emergency Options	Trim Options	Other Options
LRC-04VND									
	Type IC	-UNV	-RWF	-SPT	80+ CRI*	(Blank): Standard 0-10V CCR 1.0% dim	(Blank): None	(Blank): Standard trim finish; see photos above	(Blank): None
	-2500L	-120	-SQR	-NFL	-27K: 2700°K	-D6: Triac/ELV dim - 120 volt only	-EI: Remote emergency inverter for 100% rated lumens up to -2500L; 90+ minutes; N/A for options -FS -ERH: Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; 90+ minutes	Trim Finishes (-RWF Only) -35T: Silver enamel trim -37T: Dark bronze enamel trim -38T: Black enamel trim -94: Custom color; consult factory -BG: BioGard™ anti-microbial white	Other Options -99: Special modification; consult factory -FS: Fused primary; One per fixture; N/A for Options -EI -SH: Cleanroom rated ISO 5 Class 100 luminaire; Sealed housing, J-Box, trim assembly
	-2000L			-MFL	-30K: 3000°K				
	-1500L			-WFL	-35K: 3500°K				
	-1000L				-40K: 4000°K				
					-50K: 5000°K				
					*Note: Lumen Factor = 0.93 for -27K				
					90+ CRI**			Other Trim Features -CF: Custom color filter (Rosco); Specify -I66: IP66 rated trim and lens; Meets ASTM E283 restricted airflow of 2CFM; Natorium rated -WA: White acrylic (flat) diffuser instead; with -WFL beam only	
					-27K-HC: 2700°K				
					-30K-HC: 3000°K				
					-35K-HC: 3500°K				
					-40K-HC: 4000°K				
					-50K-HC: 5000°K				
					**Note: Lumen Factor = 0.79 for -27K-HC; All Others = 0.85				

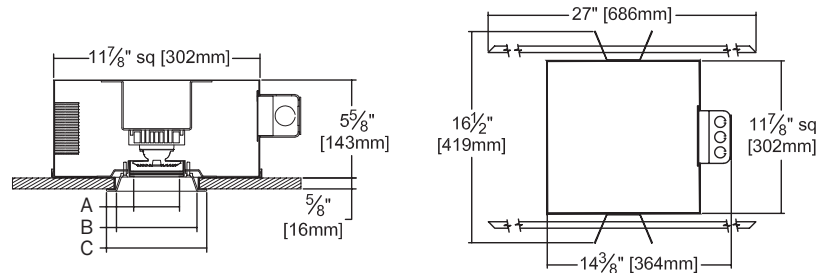
[†] For 2 SDCM, consult factory

Performance Factors

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-2500L	1.00	27.0	1.00
-2000L	0.89	24.3	0.99
-1500L	0.76	20.4	1.01
-1000L	0.41	10.5	1.05

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

Dimensions


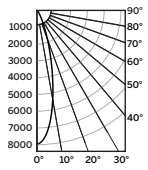

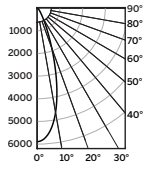

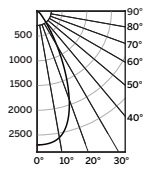

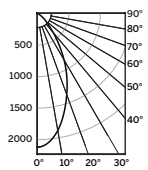


Trim Style	Ceiling Cut-Out	Dimension A	Dimension B	Dimension C
-RWF	5" Dia.	2 5/8"	4 5/8"	5 3/4"
-SQR	5 1/4" Sq.	2 7/8"	4 3/4"	6"

Photometry - Installed Complete Fixture

Photometry from L.L.I., Allentown, PA

LM-79 IESNA Certified Photometry from Light Labs, International

 <p>-2500L-RWF-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>220.9</td><td>2.7</td></tr> <tr><td>8</td><td>124.3</td><td>3.6</td></tr> <tr><td>10</td><td>79.5</td><td>4.5</td></tr> <tr><td>12</td><td>55.2</td><td>5.4</td></tr> <tr><td>14</td><td>40.6</td><td>6.3</td></tr> <tr><td>16</td><td>31.1</td><td>7.2</td></tr> </tbody> </table>	Dist.	FC	Dia.	6	220.9	2.7	8	124.3	3.6	10	79.5	4.5	12	55.2	5.4	14	40.6	6.3	16	31.1	7.2	<p>Lumens: 2277 LPW: 84 Beam: ~27° SC: 0.4 LLI Test: 1511-014</p>  <table border="1"> <thead> <tr> <th>Nominal Lumens</th> <th>Actual Lumens</th> <th>Actual LPW</th> </tr> </thead> <tbody> <tr><td>2500L</td><td>2277</td><td>84.3</td></tr> <tr><td>2000L</td><td>2015</td><td>82.9</td></tr> <tr><td>1500L</td><td>1737</td><td>85.2</td></tr> <tr><td>1000L</td><td>922</td><td>87.8</td></tr> </tbody> </table>	Nominal Lumens	Actual Lumens	Actual LPW	2500L	2277	84.3	2000L	2015	82.9	1500L	1737	85.2	1000L	922	87.8
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LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

▲ Cone of Light Key
Dist. (in ft.) from fixture
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 ARCHITECTURAL LIGHTING FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLATION MUST BE BY AN INDEPENDENT CONTRACTOR. THE WARRANTY IS VOID IF THE FIXTURE IS NOT INSTALLED IN ACCORDANCE WITH THE INSTALLATION INSTRUCTIONS. THE WARRANTY DOES NOT COVER DAMAGE TO THE FIXTURE CAUSED BY IMPROPER INSTALLATION, REPAIR, OR MODIFICATION OF THE FIXTURE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE MANUFACTURER. THE WARRANTY IS VOID IF THE FIXTURE IS NOT INSTALLED IN ACCORDANCE WITH THE INSTALLATION INSTRUCTIONS. THE WARRANTY DOES NOT COVER DAMAGE TO THE FIXTURE CAUSED BY IMPROPER INSTALLATION, REPAIR, OR MODIFICATION OF THE FIXTURE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE MANUFACTURER.

CHOICE SERIES
JUNE 2023