

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Choice Series

Ligature & Vandal 6" 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	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

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

IK10-Rated Trim/Lens Assembly

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

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

LRC-06VND

Trim Options



-RWF



-RBN
(Brushed Nickel Finish)

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

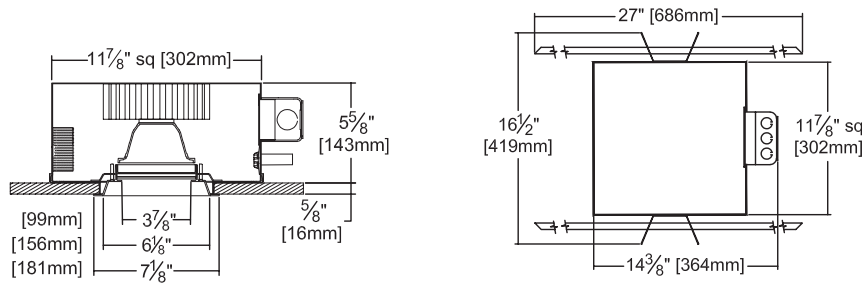
- UL Listed: wet, damp or dry locations, covered ceilings
- Type IC up to -4000L; Non-IC for -5000L+
- FCC Part 15 certified for EMI/RFI emissions

FIVE YEAR Limited Warranty

- Complete standard fixture

 Made in the USA BAA Compliant	 IK10 Impact Resistant	 Vandal Resistant	 Natatorium 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
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Dimensions



Ceiling Cut-Out

6 1/2" Dia.

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

(Example: LRC-06VND-3000L-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-06VND									
	Non-IC -7000L -6000L -5000L Type IC -4000L -3000L -2500L -2000L -1500L -1000L	-120 -277	-RWF -RBN	-NFL -MFL -WFL	80+ CRI* -27K: 2700°K -30K: 3000°K -35K: 3500°K -40K: 4000°K -50K: 5000°K *Note: Lumen Factor = 0.93 for -27K 90+ CRI** -27K-HC: 2700°K -30K-HC: 3000°K -35K-HC: 3500°K -40K-HC: 4000°K -50K-HC: 5000°K (N/A for -3000L) **Note: Lumen Factor = 0.79 for -27K-HC; All Others = 0.85	(Blank): Standard 0-10V CCR 1.0% dim -D2: 0-10V 0.1% dim -D3: DALI 1.0% dim -D4: DALI 100-0.1% dim -D5: DMX512A 0.1% dim; -4000L max -D6: Triac/ELV dim; 120 volt only ; -4000L max -ECO: Lutron EcoSys; Dim-to-black; -4000L max	(Blank): None -EI: Remote emergency inverter for 100% rated lumens up to -3000L; 90+ minutes; N/A for options -FS -E14: Remote emergency inverter for 100% rated lumens up to -4000L; CEC Compliant; 90+ minutes; N/A for options -FS -E15: Remote emergency inverter for 100% rated lumens up to -5000L; 90+ minutes; N/A for options -FS -EM: Internal emergency battery pack; Delivers 700 lumens; CEC Compliant; 90+ minutes -ERH: Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; 90+ minutes	(Blank): Standard trim finish; see photos above 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 Trim Features -CF: Custom color filter (Rosco); Specify -I66: IP66 rated trim and lens; Meets ASTM E283 restricted airflow of 2CFM; Natatorium rated -WA: White acrylic (flat) diffuser instead; with -WFL beam only	(Blank): None Mounting -78: Concrete pour housing with 2" collar Other Options -99: Special modification; consult factory -FS: Fused primary; One per fixture; N/A for Options -EI, -E14, -E15 -SH: Cleanroom rated ISO 5 Class 100 luminaire; Sealed housing, J-Box, trim assembly

[†] For 2 SDCM, consult factory

Dynamic White Options and Ordering Configuration

(Example: LRC-06VND-1500L-UNV-RWF-MFL-3018-WD-BG-FS)

Must Specify						Optional			
Model	Lumens	Volts	Trim	Beam	CCT & CRI	Driver Options	Emergency Options	Trim Options	Other Options
LRC-06VND									
	Type IC -2000L -1500L -1000L	-UNV	-RWF -RBN	-NFL -MFL -WFL	-6527: 6500°K - 2700°K range, 90+ CRI -4018: 4000°K - 1800°K range, 90+ CRI -3518: 3500°K - 1800°K range, 90+ CRI -3018: 3000°K - 1800°K range, 90+ CRI -2718: 2700°K - 1800°K range, 90+ CRI	-TW: Dual 0-10V Tunable White control with 1.0% 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 1.0% 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; Delivers 700 lumens; CEC Compliant; 90+ minutes -ERH: Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; 90+ minutes	(Blank): Standard trim finish; see photos above 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 Trim Features -I66: IP66 rated trim and lens; Meets ASTM E283 restricted airflow of 2CFM; Natatorium rated -WA: White acrylic (flat) diffuser instead; with -WFL beam only	(Blank): None Mounting -78: Concrete pour housing with 2" collar Other Options -99: Special modification; consult factory -FS: Fused primary; One per fixture; N/A for Option -EI, -SH: Cleanroom rated ISO 5 Class 100 luminaire; Sealed housing, J-Box, trim assembly

Performance Factors


NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-7000L	1.00	79.1	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

Photometry - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

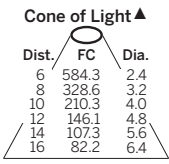
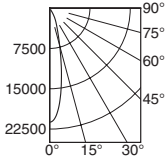
Photometry from I.T.L., Boulder, CO




-7000L-RWF-NFL

Lumens: 6268
LPW: 79
Beam: ~24°
SC: 0.40
ITL Test: 94105

Nominal Lumens	Actual Lumens	Actual LPW
7000L	6268	79.2
6000L	5591	80.9
5000L	4588	84.3
4000L	3404	92.7
3000L	2570	93.5
2500L	2256	91.3
2000L	1943	95.7
1500L	1442	100.1
1000L	1066	99.6

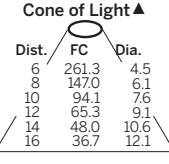
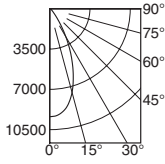






-7000L-RWF-MFL

Lumens: 6492
LPW: 82
Beam: ~48°
SC: 0.75
ITL Test: 94107

Nominal Lumens	Actual Lumens	Actual LPW
7000L	6492	82.1
6000L	5791	83.8
5000L	4752	87.4
4000L	3525	96.1
3000L	2662	96.8
2500L	2337	94.6
2000L	2013	99.1
1500L	1493	103.7
1000L	1104	103.1

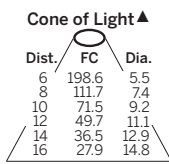
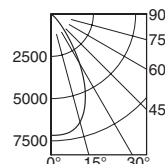





-7000L-RWF-WFL

Lumens: 6879
LPW: 87
Beam: ~59°
SC: 0.88
ITL Test: 94108

Nominal Lumens	Actual Lumens	Actual LPW
7000L	6879	87.0
6000L	6136	88.8
5000L	5035	92.6
4000L	3735	101.8
3000L	2820	102.6
2500L	2476	100.3
2000L	2132	105.0
1500L	1582	109.9
1000L	1169	109.3

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

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 this option will replace or repair such fixture or return the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within the warranty period. 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 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
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