

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Choice Series

Vandal Resistant 7" 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
-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

IK10-Rated Trim/Lens Assembly

- Smooth tapered self-flanged cast aluminum trim (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 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

LRC-07VND

Trim Options



-RWF

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

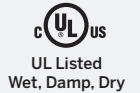
UL, C-UL (Canada) & FCC Compliance

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

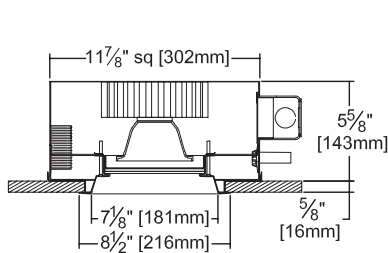
FIVE YEAR Limited Warranty

- Complete standard fixture

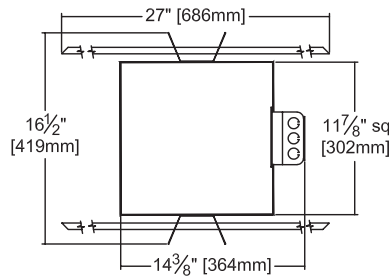
Declare.



Dimensions



Ceiling Cut-Out
8 1/4" Dia. (-RWF)



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-07VND-7000L-120-RWF-WFL-41K-165-SH)

Must Specify						Optional			
Model	Lumens	Volts	Trim	Beam	CCT [†] & CRI	Driver Options	Emergency Options	Trim Options	Other Options *
LRC-07VND									
	Non-IC -7000L -6000L -5000L Type IC -4000L -3000L -2500L -2000L -1500L -1000L	-120 -277	-RWF	-SPT -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 [†] For 2 SDCM, consult factory	(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 -E1: 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; -5000L and below only -ERH: Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; 90+ minutes	(Blank): Standard white enamel tamper-resistant trim Trim Finishes -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 -I65: IP65 rated trim and lens; Meets ASTM E283 restricted airflow of 2 CFM; Natatorium rated -WA: White acrylic (flat) diffuser instead; with -WFL beam only	(Blank): None -99: Special modification; consult factory -AWN: Athena Wireless Node; N/A for Dimming Options D5, D6, ECO -FS: Fused primary; One per fixture; N/A for Options -E1, -E14, -E15 -SH: Cleanroom rated ISO 5 Class 100 luminaire; Sealed housing, J-Box, trim assembly *Note: For other integrated control solutions, such as nLight, contact factory

Dynamic White Options and Ordering Configuration

(Example: LRC-07VND-2000L-UNV-RWF-WFL-4018-TW-I65-SH)

Must Specify						Optional			
Model	Lumens	Volts	Trim	Beam	CCT & CRI	Driver Options	Emergency Options	Trim Options	Other Options *
LRC-07VND									
	Type IC -2000L -1500L -1000L	-UNV	-RWF	-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 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 -E1: 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 white enamel tamper-resistant trim Trim Finishes -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 -I65: IP65 rated trim and lens; Meets ASTM E283 restricted airflow of 2 CFM; Natatorium rated -WA: White acrylic (flat) diffuser instead; with -WFL beam only	(Blank): None -99: Special modification; consult factory -AWN: Athena Wireless Node; N/A for Dimming Options TW, TW7 -FS: Fused primary; One per fixture; N/A for Option -E1 -SH: Cleanroom rated ISO 5 Class 100 luminaire; Sealed housing, J-Box, trim assembly *Note: For other integrated control solutions, such as nLight, contact factory

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.


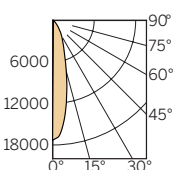

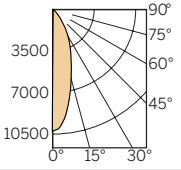

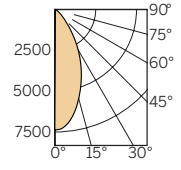

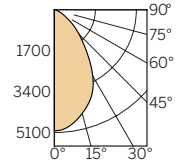
NOMINAL LUMENS	6500K LUMEN FACTOR	2700K LUMEN FACTOR	NOMINAL WATTS
-2000L	0.65	0.52	20.8
-1500L	0.65	0.52	14.9
-1000L	0.65	0.52	11.4

LIMITED WARRANTY: KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLATION, IN NORMAL USE. Manufacturer at this 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 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 applicable 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.

Photometry - Static White - Installed Complete Fixture

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

LM-79 IESNA Certified Photometry from Independent Lab

 <p>-7000L-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>482.6</td><td>2.7</td></tr> <tr><td>8</td><td>271.5</td><td>3.6</td></tr> <tr><td>10</td><td>173.7</td><td>4.5</td></tr> <tr><td>12</td><td>120.6</td><td>5.4</td></tr> <tr><td>14</td><td>88.6</td><td>6.3</td></tr> <tr><td>16</td><td>67.9</td><td>7.2</td></tr> </tbody> </table>	Dist.	FC	Dia.	6	482.6	2.7	8	271.5	3.6	10	173.7	4.5	12	120.6	5.4	14	88.6	6.3	16	67.9	7.2	<p>Lumens: 6991 LPW: 89 Beam: ~27° SC: 0.45 ITL Test: 93903</p> 	<table border="1"> <thead> <tr> <th>Nominal Lumens</th> <th>Actual Lumens</th> <th>Actual LPW</th> </tr> </thead> <tbody> <tr><td>7000L</td><td>6991</td><td>88.7</td></tr> <tr><td>6000L</td><td>6236</td><td>90.2</td></tr> <tr><td>5000L</td><td>5117</td><td>94.1</td></tr> <tr><td>4000L</td><td>3796</td><td>103.4</td></tr> <tr><td>3000L</td><td>2838</td><td>103.2</td></tr> <tr><td>2500L</td><td>2524</td><td>102.2</td></tr> <tr><td>2000L</td><td>2167</td><td>106.8</td></tr> </tbody> </table>	Nominal Lumens	Actual Lumens	Actual LPW	7000L	6991	88.7	6000L	6236	90.2	5000L	5117	94.1	4000L	3796	103.4	3000L	2838	103.2	2500L	2524	102.2	2000L	2167	106.8
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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

CHOICE SERIES
JULY 2024