

| | | |
|-----------|---------|---------|
| CATALOG # | TYPE | |
| JOB NAME | WATTAGE | VOLTAGE |

Choice Series

Direct/Indirect • 9" x 19" Cylinder • COB LED

60,000 Hours • 1% Dimming, 0-10V

3 Step Binning • Wet Listed • LM-80 and LM-79 Certified

Specifications

Delivered System Performance

- Lumen Series: **Must Specify**

| Direct | Indirect |
|--------|----------|
| -5000L | -5000U |
| -4000L | -4000U |
| -3000L | -3000U |
| -2500L | -2500U |
| -2000L | -2000U |
| -1500L | -1500U |

- Select beam distribution: see chart
- Select color (CCT): see chart; 80+ CRI standard; Option -HC for 90+ (15% lumen loss)
- 60,000 hour life (L70)

Thermal Management System

- All aluminum heat sink and components for cool operation, long life, low maintenance

LED Driver - INTERNAL

- Indoor/Outdoor: -30°C to 60°C (-22°F to 140°F)
- 0-10V CCR 1% dimming standard
- Voltage Options: **Must Specify**
- UNV - 120-277V (50-60Hz); load insensitive
- 120 - 120V input (50-60Hz); for -D6

Optical & Trim Assemblies

- Direct:** Low brightness self-flanged clear Softex™ Semi Specular cone with clear microprismatic lens
- Optional colors & finishes available
- With Option -VWFL:** regressed microprismatic lens for very wide beam
- Indirect:** Tempered microprismatic lens up, with WeatherCap

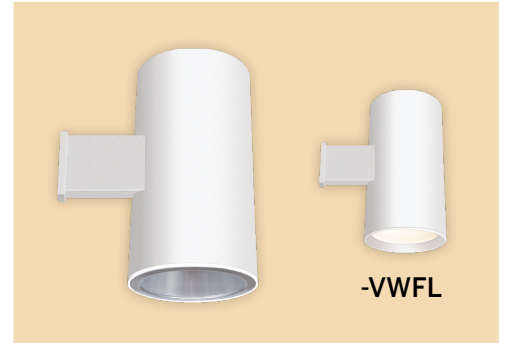
Aluminum Housing

- Seamless white acrylic enameled finish
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test
- No visible cylinder hardware
- Cool operation: Extends life of all components
- Fully sustainable: Entire luminaire

Installation

- Wall bracket arm (6¼") assembled to housing with ¼" wall plate
- Mounting hardware included
- Indoor or outdoor

LWC-09RDI



UL, C-UL (Canada), & FCC Compliance

- Wet, damp or dry locations
- FCC Part 15 certified for EMI/RFI emissions

FIVE YEAR Limited Warranty

- Complete standard fixture

Declare.



Made in the USA
BABAA Compliant

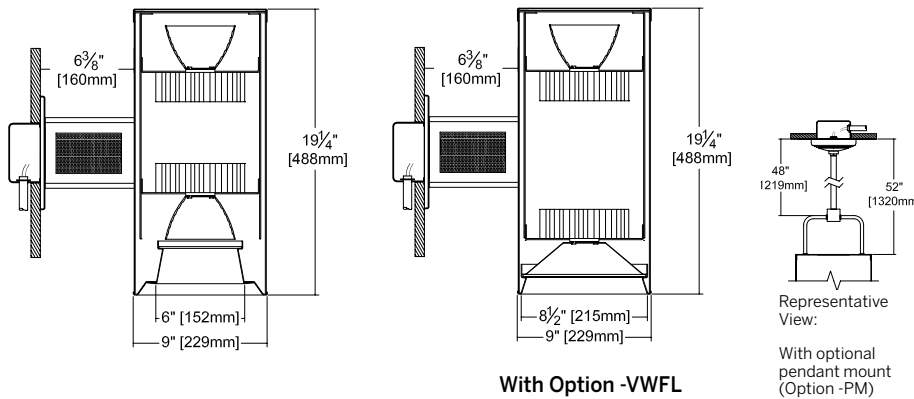


FCC Part 15
Certified



UL Listed
Wet, Damp, Dry

Dimensions



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: LWC-09RDI-5000L-4000U-WFL-MFU-30K-UNV-EI-38)

| Must Specify | | | | | Optional | | | | |
|--------------|--|---|--|--------------|---|---|--|---|---|
| Model | Lumens | Beam | CCT & CRI | Volts | Driver Options | Emergency Options | Housing/Trim | Mounting Options | Other Options |
| LWC-09RDI | | | | | | | | | |
| | Direct (Down) -5000L -4000L -3000L -2500L -2000L -1500L Indirect (Up) -5000U -4000U -3000U -2500U -2000U -1500U | Direct (Down) -SPT -NFL -MFL -WFL -VWFL Indirect (Up) -SPU -NFU -MFU -WFU | 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 in -3000L) **Note: Lumen Factor = 0.79 for -27K-HC; All Others = 0.85 † For 2 SDCM, consult factory | -UNV -120 | (Blank): Standard 0-10V CCR 1% 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: For use with Lutron EcoSystem controls; Dim to black; Consult factory; -4000L max | (Blank): None -E1: Remote inverter for 100% rated lumens up to 3000L (total); 90+ minutes; N/A for Options -FS -E14: Remote emergency inverter for 100% rated lumens up to 4000L (total); CEC Compliant; 90+ minutes; N/A for Options -FS -E15: Remote emergency inverter for 100% rated lumens up to 5000L (total); 90+ minutes; N/A for Options -FS | (Blank): Standard white enamel housing finish with clear Softex™ trim Trim Finishes -30T: White enamel trim; N/A with -VWFL -62T: Clear specular trim; N/A with -VWFL Housing Finishes -35: Silver enamel finish -37: Dark bronze enamel finish -38: Black enamel finish -94: Custom color/finish; specify; consult factory | (Blank): Standard 6¼" wall arm plus ¼" wall plate -87: Custom wall bracket length, or custom pendant length if used with -PM. Specify length. -88: Swivel canopy for sloped ceilings up to 40°; use with Option -PM -PM: Pendant mount for damp or dry locations only; 48" stem plus 4" offset (see diagram); also see Option -87; no wet label listing | (Blank): None Lens Options -13: Clear polycarbonate beneath diffusing lens -DA: Diffuse acrylic lens instead -WA: White acrylic lens instead Other Options * -99: Special modification; consult factory -AWN: Athena Wireless Node; N/A for Dimming Options D5, D6, ECO -FS: Fused primary; 1 per LED module; N/A for Options -E1, -E14, E15 *Note: For other integrated control solutions, such as nLight, contact factory |

Dynamic White Options and Ordering Configuration

(Example: LWC-09RDI-2000L-1500U-WFL-MFU-6527-UNV-TW-EI-38)

| Must Specify | | | | | Optional | | | | |
|--------------|--|---|---|-------|---|--|--|---|--|
| Model | Lumens | Beam | CCT & CRI | Volts | Driver Options | Emergency Options | Housing/Trim | Mounting Options | Other Options |
| LWC-09RDI | | | | | | | | | |
| | Direct (Down) -2000L -1500L Indirect (Up) -2000U -1500U | Direct (Down) -NFL -MFL -WFL -VWFL Indirect (Up) -NFU -MFU -WFU | -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 | -UNV | -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 inverter for 100% rated lumens up to 3000L (total); 90+ minutes; N/A for Options -FS -E14: Remote emergency inverter for 100% rated lumens up to 4000L (total); CEC Compliant; 90+ minutes; N/A for Options -FS | (Blank): Standard white enamel housing finish with clear Softex™ trim Trim Finishes -30T: White enamel trim; N/A with -VWFL -62T: Clear specular trim; N/A with -VWFL Housing Finishes -35: Silver enamel finish -37: Dark bronze enamel finish -38: Black enamel finish -94: Custom color/finish; specify; consult factory | (Blank): Standard 6¼" wall arm plus ¼" wall plate -87: Custom wall bracket length, or custom pendant length if used with -PM. Specify length. -88: Swivel canopy for sloped ceilings up to 40°; use with Option -PM -PM: Pendant mount for damp or dry locations only; 48" stem plus 4" offset (see diagram); also see Option -87; no wet label listing | (Blank): None Lens Options -13: Clear polycarbonate beneath diffusing lens -DA: Diffuse acrylic lens instead -WA: White acrylic lens instead Other Options -99: Special modification; consult factory -AWN: Athena Wireless Node; N/A for Dimming Options TW, TW7 -FS: Fused primary; 1 per LED module; N/A for Options -E1, -E14 *Note: For other integrated control solutions, such as nLight, contact factory |

Performance Factors - Static White

| NOMINAL LUMENS | LUMEN FACTOR | NOMINAL WATTS | LPW FACTOR |
|--------------------------|--------------|---------------|------------|
| -5000L -5000U | 1.000 | 109.2 | 1.000 |
| -4000L -4000U | 0.742 | 77.6 | 1.043 |
| -3000L -3000U | 0.551 | 55.0 | 1.099 |
| -2500L -2500U | 0.493 | 49.4 | 1.089 |
| -2000L -2000U | 0.423 | 40.6 | 1.137 |
| -1500L -1500U | 0.309 | 28.8 | 1.171 |

* 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 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 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 90 days 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 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.

Photometry - Static White - Installed Complete Fixture

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

LM-79 IESNA Certified Photometry from Independent Lab

-5000L-5000U-SPT-SPU

Up Lumens: 6509 52.0%
Dn Lumens: 6017 48.0%
LPW: 115
Dn Beam: ~23°
SC: 0.39
ITL Test: 94081

| Nominal Lumens | Actual Lumens | Actual LPW |
|------------------------|---------------|------------|
| 5000U 5000L | 6509 6017 | 114.8 |
| 4000U 4000L | 4830 4465 | 119.8 |
| 3000U 3000L | 3606 3333 | 126.2 |
| 2500U 2500L | 3209 2966 | 125.0 |
| 2000U 2000L | 2753 2545 | 130.5 |
| 1500U 1500L | 2011 1859 | 134.4 |

-5000L-5000U-WFL-WFU

Up Lumens: 6210 52.1%
Dn Lumens: 5719 47.9%
LPW: 109
Dn Beam: ~57°
SC: 0.82
ITL Test: 94070

| Nominal Lumens | Actual Lumens | Actual LPW |
|------------------------|---------------|------------|
| 5000U 5000L | 6210 5719 | 109.2 |
| 4000U 4000L | 4608 4243 | 114.1 |
| 3000U 3000L | 3440 3168 | 120.2 |
| 2500U 2500L | 3062 2819 | 119.0 |
| 2000U 2000L | 2627 2419 | 124.3 |
| 1500U 1500L | 1919 1767 | 128.0 |

-5000L-5000U-NFL-NFU

Up Lumens: 5953 53.0%
Dn Lumens: 5270 47.0%
LPW: 103
Dn Beam: ~34°
SC: 0.55
ITL Test: 94068

| Nominal Lumens | Actual Lumens | Actual LPW |
|------------------------|---------------|------------|
| 5000U 5000L | 5953 5270 | 102.9 |
| 4000U 4000L | 4417 3910 | 107.3 |
| 3000U 3000L | 3298 2920 | 113.0 |
| 2500U 2500L | 2935 2598 | 112.0 |
| 2000U 2000L | 2518 2229 | 116.9 |
| 1500U 1500L | 1839 1628 | 120.4 |

-5000L-5000U-VWFL-WFU

Up Lumens: 6222 50.0%
Dn Lumens: 6218 50.0%
LPW: 114
Dn Beam: ~66°
SC: 1.18
ITL Test: 94080

| Nominal Lumens | Actual Lumens | Actual LPW |
|------------------------|---------------|------------|
| 5000U 5000L | 6222 6218 | 113.9 |
| 4000U 4000L | 4617 4614 | 118.9 |
| 3000U 3000L | 3447 3445 | 125.3 |
| 2500U 2500L | 3067 3065 | 124.1 |
| 2000U 2000L | 2632 2630 | 129.3 |
| 1500U 1500L | 1923 1921 | 133.5 |

-5000L-5000U-MFL-MFU

Up Lumens: 5869 52.2%
Dn Lumens: 5378 47.8%
LPW: 103
Dn Beam: ~41°
SC: 0.65
ITL Test: 94069

| Nominal Lumens | Actual Lumens | Actual LPW |
|------------------------|---------------|------------|
| 5000U 5000L | 5869 5378 | 103.0 |
| 4000U 4000L | 4355 3990 | 107.5 |
| 3000U 3000L | 3251 2979 | 113.3 |
| 2500U 2500L | 2893 2651 | 112.2 |
| 2000U 2000L | 2483 2275 | 117.2 |
| 1500U 1500L | 1814 1662 | 120.7 |

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