**SPECIFICATIONS**

**Intended Use:**
The compact LED LNC2 is designed for perimeter illumination for safety, security and identity. This compact fixture has no uplight and is neighbor friendly with typical mounting heights up to 15ft. Units are supplied with an acrylic diffuser accessory that can be used for lower LED brightness near building entrances or other pedestrian areas. Units have protective polyester finish for long lasting appearance.

**Construction:**
Decorative die-cast aluminum housing protects components and provides an architectural appearance. Casting thermally conducts LED heat to optimize performance and long life. Powder paint finish provides durability in outdoor environments.

**Electrical:**
- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- 347V and 480V dimmable driver option in 12L configuration
- Electronic drivers: One in 5L, 7L, 9L, and 12L units
- Two drivers in 18L units
- Minimum operating temperature is -40˚C/-40°F
- Driver RoHS and IP66
- Drivers have greater than .90 power factor
- Driver RoHS and IP66
- Two drivers in 18L units
- 347V and 480V dimmable driver option in 12L configuration

**LED(s) CCT:**
- 3000K CCT nominal – 80 CRI, 4000K CCT nominal – 70 CRI, 5000K CCT nominal – 70 CRI
- 5, 7, 9, 12 and 18 LED configurations available see page 2 for electrical and photometric details
- Individual PMMA acrylic lenses for wide lateral throw, maximum control and efficiency; Acrylic diffuser included where reduced LED brightness is desired

**Optical:**
Type II, III and IV distributions with zero uplight. Individual PMMA acrylic lenses for wide lateral throw, maximum control and efficiency; Acrylic diffuser included where reduced LED brightness is desired

**Lumen Maintenance:**
L96 at 60,000hrs (Projected per IESNA TM-21-11), see table on page 2 for all values

**Installation:**
Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4” square junction box). Gasket seal and secured by two Allen-head hidden fasteners for tamper resistance. Designed for direct j-box mount or conduit feed in single SKU. Conduit feed not available with BBU.

**Options:**
- Controls:
- Button photocell for dusk to dawn energy savings
- Occupancy sensor options available for complete on/off and dimming control (includes factory installed back box)

**Egress (includes factory installed back box):**
- Battery back-up option - 12L configuration only
- Provides 1 fc minimum over 10’ x 10’ at 1’1” mounting height (exceeds NEC requirement)
- 1,546 initial lumens in battery mode
- Meets LL52A 90 minute discharge schedule
- -20˚C to 30˚C operating temperature

**Listings:**
- DLC Qualified (Types II and IV) Consult DLC website for details: http://www.designlights.org/DLC
- Listed to UL 1598 for use in wet locations, 40˚C ambient environments

**Warranty:**
Five year limited warranty (for more information visit: http://www.hubbelloutdoor.com/resources/warranty/
- IES Progress Award Winner - 2013
- Building Operating Management 2014 Top Products Award - LNC2-18LU

**Certifications/Listings**
- UL Listed for use in wet locations
- Listed to UL 1598, 40˚C CRI, 67 CRI, 80 CRI
- Meets UL924 90 minute discharge schedule
- 1,546 initial lumens in battery mode
- Battery back-up option - 12L configuration only
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- -20˚C to 30˚C operating temperature

**Approvals**
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- Listed to UL 1598, 40˚C CRI, 67 CRI, 80 CRI
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- -20˚C to 30˚C operating temperature

** DIMENSIONS**

**SHIPPIING INFORMATION**

**ORDERING INFORMATION** – ORDERING EXAMPLE: LNC2-12LU-5K-3-1

<table>
<thead>
<tr>
<th>SERIES</th>
<th>NUMBER OF LEDS</th>
<th>VOLTAGE</th>
<th>CCT</th>
<th>IES DISTRIBUTION</th>
<th>FINISH</th>
<th>OPTIONS</th>
<th>SCP HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNC2</td>
<td>5L 5 LEDs</td>
<td>U 120V-277V</td>
<td>3K 3000K nominal 80 CRI</td>
<td>2 Type II</td>
<td>1 Bronze</td>
<td>PC Photocontrol</td>
<td>8F Up to 8ft mount height</td>
</tr>
<tr>
<td></td>
<td>7L 7 LEDs</td>
<td>1 120V</td>
<td>3K 4000K nominal 70 CRI</td>
<td>3 Type III</td>
<td>2 Black</td>
<td>BBU**</td>
<td>20F Up to 20ft mount height</td>
</tr>
<tr>
<td></td>
<td>9L 9 LEDs</td>
<td>2 208V</td>
<td>3K 5000K nominal 67 CRI</td>
<td>4 Type IV</td>
<td>3 Gray</td>
<td>SCP*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12L 12 LEDs</td>
<td>3 240V</td>
<td>4 Amber (590 µm available for “Turtle Friendly”/laboratory applications, 350 mA (18L only versions)</td>
<td>5 White</td>
<td>4 White</td>
<td>SCP*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>18L 18 LEDs</td>
<td>4 277V</td>
<td>5 Platinum</td>
<td>5 Platinum</td>
<td>5 Platinum</td>
<td>SCP*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12L5 12 LEDs, 480V</td>
<td>5 480V (12L only)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>12LF 12 LEDs, 347V</td>
<td>F 347V (12L only)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 Battery backup only available on 12L models, not available for Canada
2 Does not qualify for DLC
3 Replace U with 1 for 120V or 4 for 277V for 12L with BBU
4 Must order minimum of one remote control to program dimming settings. 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, 120V-277V only
5 PC option not applicable, included in sensor
6 BBU and motion sensor options cannot be combined

**Certifications/Listings**
- UL Listed for use in wet locations
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**Contact Hubbell Outdoor Lighting**
- For more information visit: www.hubbelloutdoor.com
- 701 Millennium Boulevard • Greenville, SC 29607 • Phone: 864-678-1000
- Printed in USA
**LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)**

ELECTRICAL DATA

<table>
<thead>
<tr>
<th># OF LEDS</th>
<th>DRIVE CURRENT (mA)</th>
<th>INPUT VOLTAGE (V)</th>
<th>CURRENT (Amps)</th>
<th>SYSTEM POWER (w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>120</td>
<td>—</td>
<td>18</td>
<td>120</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td>—</td>
<td>18</td>
<td>277</td>
</tr>
<tr>
<td>9</td>
<td>120</td>
<td>0.163</td>
<td>22.1</td>
<td>120</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td>0.09</td>
<td>28.9</td>
<td>277</td>
</tr>
<tr>
<td>12</td>
<td>120</td>
<td>0.24</td>
<td>28.9</td>
<td>120</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td>0.10</td>
<td>27.7</td>
<td>277</td>
</tr>
<tr>
<td></td>
<td>347</td>
<td>0.10</td>
<td>33.7</td>
<td>347</td>
</tr>
<tr>
<td>18</td>
<td>120</td>
<td>0.35</td>
<td>41.0</td>
<td>120</td>
</tr>
<tr>
<td></td>
<td>277</td>
<td>0.15</td>
<td>41.5</td>
<td>277</td>
</tr>
<tr>
<td>18 Amber</td>
<td>120</td>
<td>2.68</td>
<td>32.0</td>
<td>120</td>
</tr>
</tbody>
</table>

MOTION SENSOR OPTION

Sensor offers greater control and energy savings with SCP programmable sensor with adjustable delay and dimming levels (Factory default is 10%) Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

**PHOTOMETRICS**

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th># OF LEDS</th>
<th>DRIVE CURRENT</th>
<th>SYSTEM WATTS</th>
<th>DIST. TYPE</th>
<th>LUMENS</th>
<th>LPW*</th>
<th>LUMENS</th>
<th>LPW*</th>
<th>LUMENS</th>
<th>LPW*</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>13W</td>
<td>STD. (700mA)</td>
<td>2</td>
<td>1,150</td>
<td>88.5</td>
<td>1,052</td>
<td>81</td>
<td>883</td>
<td>68</td>
</tr>
<tr>
<td>7</td>
<td>17W</td>
<td></td>
<td>3</td>
<td>1,132</td>
<td>87</td>
<td>1,077</td>
<td>83</td>
<td>833</td>
<td>64</td>
</tr>
<tr>
<td>9</td>
<td>22W</td>
<td></td>
<td>4</td>
<td>1,146</td>
<td>88</td>
<td>1,053</td>
<td>81</td>
<td>849</td>
<td>65</td>
</tr>
<tr>
<td>12</td>
<td>28W</td>
<td></td>
<td>2</td>
<td>1,557</td>
<td>91.5</td>
<td>1,535</td>
<td>90</td>
<td>1,425</td>
<td>84</td>
</tr>
<tr>
<td>18</td>
<td>42.7W</td>
<td></td>
<td>3</td>
<td>1,515</td>
<td>89</td>
<td>1,369</td>
<td>80.5</td>
<td>1,272</td>
<td>75</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>1,500</td>
<td>88</td>
<td>1,539</td>
<td>90.5</td>
<td>1,392</td>
<td>82</td>
</tr>
</tbody>
</table>

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application. LNC2-12L battery mode produces 1,546 initial lumens. Meets UL924 90 minute discharge pattern.
**LNC2 – BATTERY BACK UP**

![Side View](image1)

![3/4 View](image2)

**Multi Unit**

<table>
<thead>
<tr>
<th></th>
<th>1 fc Average</th>
<th>1 fc Minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>16’</td>
<td>15’</td>
</tr>
<tr>
<td>Width</td>
<td>112’</td>
<td>68’</td>
</tr>
</tbody>
</table>

**Width**

**Length**

**Spacing 44’**

**Single Unit**

<table>
<thead>
<tr>
<th></th>
<th>1 fc Average</th>
<th>1 fc Minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>16’</td>
<td>15’</td>
</tr>
<tr>
<td>Width</td>
<td>48’</td>
<td>24’</td>
</tr>
</tbody>
</table>

Provides Life Safety Code average illuminance of 1.0 fc. Assumes open space with no obstructions and mounting height of 11’.

Diagrams for illustration purposes only, please consult factory for application layout.

---

**LNC2-SCBB-XX SURFACE CONDUIT BACK PLATE**

LNC2 FIXTURE

LNC2-SCBB-XX

BB-GEO-XX

LNC2-SCBB-XX and BB-GEO-XX SHOWN ATTACHED TO FIXTURE

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