LZ Series
LINEAR LED TECHNOLOGY
for Harsh and Hazardous Environments
4' styles shown

**FEATURES-SPECIFICATIONS**

**Applications**
Linear LED Luminaires are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, and Type 3, 4X IP66 areas where wind, water, snow or high ambient can be expected. They can be used in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC/CEC.

**ABS (American Bureau of Shipping)** type approval for use on decks, vessels, platforms, barges, ships and boats. Also suitable for docks and marinas.

**NSF (National Sanitation Foundation)** approved for "Food Handling" areas, typically requiring non-glass lighting.

Typical applications include manufacturing plants, and certain chemical and petrochemical processing facilities, sewage treatment plants, off-shore and dockside installations, garages, storage facilities, tunnels, and grain/food facilities.

**Compliances**
- UL-8750 for LED lighting
- ANSI/UL 1598(A)
- UL-844 Standard for lighting fixtures for hazardous locations, Class I, Division 2; Class II, Divisions 1 and 2; Class III
- CSA C22.2 no. 137-M1981 electric luminaires for use in hazardous locations
- Enclosed and gasketed
- Type 3, 4X, IP66

**Materials**
- Housing – one piece fiberglass reinforced polyester or 316 Stainless Steel
- Lens – Clear Lexan® impact resistant polycarbonate lens (Lexan is a registered trademark of SABIC)
- Two 3/4" NTP hubs – one at each end (includes one 3/4" close-up plug and two 3/4"x1/2" reducers for maximum user flexibility – LZ2NL hubs aluminum; LZ2SL hubs 316 Stainless Steel

**LED Features and Standards**

**Supplemental 20KA/10KV Surge Protection**
- Many Midpower LEDs blend light to simulate fluorescent tube
- Crisp White Light for Excellent Color Rendering – Chromaticity 5000K (CCT); approx. 70 CRI
- Energy Savings – High lumens per watt
- LED Array Life – 100,000+ hours with 70% initial lumens

**LED VS FLUORESCENT WATTAGE & DELIVERED LUMENS**

<table>
<thead>
<tr>
<th>LED WATT</th>
<th>LUMENS</th>
<th>L/W</th>
<th>FLUORESCENT</th>
<th>LUMENS</th>
<th>L/W</th>
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<tbody>
<tr>
<td>18W</td>
<td>2557</td>
<td>150</td>
<td>40W</td>
<td>2471</td>
<td>63</td>
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<tr>
<td>28W</td>
<td>3775</td>
<td>144</td>
<td>55W</td>
<td>3766</td>
<td>65</td>
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<tr>
<td>34W</td>
<td>5075</td>
<td>149</td>
<td>56W</td>
<td>4676</td>
<td>71</td>
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<tr>
<td>45W</td>
<td>5562</td>
<td>137</td>
<td>64W</td>
<td>4772</td>
<td>80</td>
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<tr>
<td>55W</td>
<td>7577</td>
<td>144</td>
<td>108W</td>
<td>8088</td>
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<tr>
<td>60W</td>
<td>7618</td>
<td>132</td>
<td>120W</td>
<td>9695</td>
<td>56</td>
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<tr>
<td>80W</td>
<td>11140</td>
<td>137</td>
<td>162</td>
<td>11619</td>
<td>65</td>
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</tbody>
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**Catalog Number Logic**

<table>
<thead>
<tr>
<th>LZ2NL - Series Constant FRP Housing, Lexan Lens</th>
<th>LZ2SL - Series Constant 316 Stainless Housing, Lexan Lens</th>
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<tbody>
<tr>
<td><strong>Fixture Wattage</strong></td>
<td><strong>Voltage</strong></td>
</tr>
<tr>
<td>18</td>
<td>120V-277VAC 50/60Hz</td>
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<tr>
<td>28</td>
<td>347-480VAC 60Hz</td>
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<tr>
<td>45</td>
<td>125VDC - 250VDC, 120-277VAC 28W, 60W, 55W, 120W</td>
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<tr>
<td>34</td>
<td>55W, 347V only - 28W, 40W, 55W, 75W (C1D2 only)</td>
</tr>
<tr>
<td>55</td>
<td>60W</td>
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<tr>
<td>80</td>
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<tr>
<td>120</td>
<td>120W</td>
</tr>
<tr>
<td>33</td>
<td>FF</td>
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</tbody>
</table>

**Absorption**
- Long Fixture Life – 50,000 - 55,000 maintenance free hours
- Ambient suitability -40°C to 55°C up to 120W
- Instant On – Including after power interruption
- World Voltage 120 - 277VAC 50/60Hz
- Solder-LESS LED Board Connections – Vibration Resistant

**Class I, Div. 2, Groups A, B, C, D**
- Class I, Zone 2, Groups IIC, IIB, IIA
- Class II, Div. 1 & 2, Groups F, G
- AEx nAll, Ex nAll
- Wet Locations
- Type 4X, IP66

*UL* Certified - File LR11713

**ABS Type Approval (L32NL, L32SL)**

**NSF Food Handling (LZ2NL)**
## ORDERING INFORMATION AND AMBIENT SUITABILITY

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>WEIGHT</th>
<th>LENGTH</th>
<th>VOLTAGE</th>
<th>AMPS</th>
<th>DELIVERED LUMENS</th>
<th>40°C</th>
<th>55°C</th>
<th>40°C</th>
<th>55°C</th>
<th>40°C</th>
<th>55°C</th>
<th>40°C</th>
<th>55°C</th>
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</thead>
<tbody>
<tr>
<td>LZ2NL1830</td>
<td>12/5.4</td>
<td>2’</td>
<td>120-277VAC</td>
<td>0.15 - 0.06</td>
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<td>T5</td>
<td>T4A</td>
<td>≤ 135°C</td>
<td>≤ 135°C</td>
<td>T5</td>
<td>T4</td>
<td></td>
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<td>120-277VAC</td>
<td>0.23 - 0.10</td>
<td>3775</td>
<td>T5</td>
<td>T4A</td>
<td>≤ 135°C</td>
<td>≤ 135°C</td>
<td>T5</td>
<td>T4</td>
<td></td>
<td></td>
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<tr>
<td>LZ2NL4530</td>
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<td>120-277VAC</td>
<td>0.38 - 0.16</td>
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<td>T5</td>
<td>T4A</td>
<td>≤ 135°C</td>
<td>≤ 135°C</td>
<td>T5</td>
<td>T4</td>
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<td>LZ2NL6030</td>
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<td>120-277VAC</td>
<td>0.50 - 0.22</td>
<td>7618</td>
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<td>T4</td>
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<td>120-277VAC</td>
<td>0.28 - 0.12</td>
<td>5075</td>
<td>T5</td>
<td>T4A</td>
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<td>≤ 135°C</td>
<td>T5</td>
<td>T4</td>
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<td>120-277VAC</td>
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<td>≤ 135°C</td>
<td>T5</td>
<td>T4</td>
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<td>120-277VAC</td>
<td>0.67 - 0.29</td>
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<td>T5</td>
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<td>≤ 135°C</td>
<td>≤ 135°C</td>
<td>T5</td>
<td>T4</td>
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<td>LZ2NL12030</td>
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<td>≤ 135°C</td>
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<td>T4</td>
<td>-</td>
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</tr>
</tbody>
</table>

### Dimensions LZ2NL Series

- 53.23" (1352)
- 27.56" (700)
- 29.21" (742)
- 15.75" (400)

### Dimensions LZ2SL Series

- 8.27" (210)
- 5.79" (147)
- 60" (15)

### Replacement Parts:

- **LZ2NL4LENS** - 4’ Lens only LZ2NL/LZ2SL
- **LZ2NL2LENS** - 2’ Lens only LZ2NL/LZ2SL
- **LZ2NL4BAR** - 4’ Locking Bar only LZ2NL
- **LZ2NL2BAR** - 2’ Locking Bar only LZ2NL
- **LZ2S-LATCH** - Latch and Spring LZ2SL

**Mounting Accessories**

- **Wall Bracket Set**
  - Part Number LZWB
  - Stainless Steel (natural finish)
- **Adjustable Wall Bracket Set**
  - Part Number LZAB
  - Stainless Steel bracket with ceramic coated pivot bolt
- **Ceiling Bracket Set**
  - Part Number LZCB
  - Stainless Steel (natural finish)
- **Eyebolt Set**
  - Part Number LZEB
  - Stainless Steel bolt with lockwasher & nut (natural finish)

### Suspension Chains (2 required)

- Part Number HFX-SC
- 36’ length plated steel chain with snap link ends
  For use with LZEB

**Disclaimer:** Mounting Centers are 1/4-20” tapped for user all thread rod or below accessories.
• Modern “Ribbon” Windows Interface with “Real Time” Calculations
• Easily import/export of CAD files (DWG/DXF/PDF)
• Enhanced photometric database with luminaire images and wireframes
• Ability to draw round or complex rooms and grids
• False Colors to indicate “Relative Brightness”

See “Lighting Software link” at www.hubbell-killark.com to download