DESCRIPTION
The E110 Series is a traditional full cutoff geometric sconce designed for optimal light control and distribution. Its die-cast aluminum construction provides ideal thermal management. Lumen packages from 3360 to 9800 are available in 4000K and 5000K CCT and a Type III distribution. This product offers project flexibility with photocontrol, integral motion sensor and battery backup options. The E110 is DLC Qualified for maximum energy savings and utility rebates. This family of product is offered in two housing sizes to complement new construction or retrofit applications, accommodating mounting heights up to 30’.

SPECIFICATIONS
Construction:
• Die-cast aluminum housing with stainless steel hardware and powder coated bronze finish
• UV-stabilized polycarbonate lens
• Integral heat sink maximizes heat dissipation for longer LED life
• Hinged back box isolates drivers from LEDs and offers easy access to drivers
• Back box includes three conduit entry points (one on top and two on the sides) as well as a knockout on the bottom for optional sensor

Optics/LEDs:
• No uplight design to minimize light pollution
• 30W to 90W LED models replace 100W to as high as 400W HID for up to 70% energy savings
• Efficacies up to 113 LPW maximize utility rebates
• Type III distribution
• Available in 4000K and 5000K CCT
• CRI ≥80
• 70,000 hrs L70

Electrical:
• 120-277VAC, 50/60Hz
• 0-10V Dimming driver

Testing & Compliance:
• cULus Listed for Wet Locations
• DesignLights Consortium® (DLC) Qualified (consult QPL for specific models)
• Operating temperatures: -40°C to 50°C (-40°F to 122°F)

Installation:
• Housing hinges to back box for easy installation
• Back box accommodates conduit entry as well as optional sensor
• Mounts to a standard 3-1/2“ or 4“ square electrical J-box

Options:
• Integral Battery Backup (BB) operates for 90 minutes, providing over 800 lumens for path of egress. Rated for ambient temperatures of 0°C to 25°C (32°F to 77°F)
• Factory installed 120/277VAC button type photocontrol (PC)
• Factory installed integral dimming occupancy sensor (SC)

Accessories:
• Dimming sensor for field installation (TL-MSSW)
• Remote control for TL-MSSW sensor (TL-MSSW-REMOTE)
• Button type universal photocontrol sensor 120/277VAC (PCU)

Warranty:
• Five Year Warranty (Terms and Conditions Apply)

Specs at a Glance

<table>
<thead>
<tr>
<th>Model</th>
<th>E110-30</th>
<th>E110-45</th>
<th>E110-90</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wattage (W)*</td>
<td>30W</td>
<td>45W</td>
<td>90W</td>
</tr>
<tr>
<td>Lumens (lm)</td>
<td>3360</td>
<td>4900</td>
<td>9800</td>
</tr>
<tr>
<td>Efficacy (LPW)</td>
<td>113</td>
<td>108</td>
<td>109</td>
</tr>
<tr>
<td>Equivalency (HID)</td>
<td>100-150 Watt</td>
<td>175-250 Watt</td>
<td>250-400 Watt</td>
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<tr>
<td>Distribution</td>
<td>Type III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CCT (K)</td>
<td>4000K, 5000K</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CRI</td>
<td>≥80</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Voltage</td>
<td>120-277VAC, 50/60Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Temp</td>
<td>-40°C to 50°C (-40°F to 122°F)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certifications</td>
<td>cULus Listed for Wet Locations, DLC</td>
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<td></td>
</tr>
<tr>
<td>Warranty</td>
<td>5 Years</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>9.8 lbs</td>
<td>9.8 lbs</td>
<td>15.0 lbs</td>
</tr>
</tbody>
</table>

*Nominal Wattage. Tested at 5000K CCT. See performance table for more detailed lumen information.

Note: Environment and application will affect actual performance. Typical values and 25°C used for testing.
Ordering Information (Example: E110-45-VS-4K-BR-BB)

<table>
<thead>
<tr>
<th>Series</th>
<th>Wattage</th>
<th>Input Voltage</th>
<th>CCT</th>
<th>Finish</th>
<th>Options</th>
<th>Accessories¹ (Field Installed)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E110</td>
<td>30 = 30W</td>
<td>VS = 120-277VAC</td>
<td>4K = 4000K</td>
<td>BR = Bronze</td>
<td>BB = Battery Backup</td>
<td>PCU = 120-277VAC Button Photocontrol</td>
</tr>
<tr>
<td></td>
<td>45 = 45W</td>
<td></td>
<td>5K = 5000K</td>
<td>SC = Dimming Sensor</td>
<td></td>
<td>TL-MSSW = Dimming Sensor</td>
</tr>
<tr>
<td></td>
<td>90 = 90W</td>
<td></td>
<td></td>
<td>PC = Button Photocontrol</td>
<td>120/277VAC</td>
<td>TL-MSSW-REMOTE = Remote for Sensor</td>
</tr>
</tbody>
</table>

Notes
¹ Order as a separate line item. Shipped in a separate box for final installation in the field

Performance Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Wattage</th>
<th>CCT</th>
<th>Distribution</th>
<th>Lumen Output (lumens)</th>
<th>Efficacy</th>
</tr>
</thead>
<tbody>
<tr>
<td>E110-30-VS-4K-XX</td>
<td>30</td>
<td>4000K</td>
<td>Type III</td>
<td>3360</td>
<td>112</td>
</tr>
<tr>
<td>E110-30-VS-5K-XX</td>
<td>30</td>
<td>5000K</td>
<td>Type III</td>
<td>3390</td>
<td>115</td>
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<td>E110-45-VS-4K-XX</td>
<td>45</td>
<td>4000K</td>
<td>Type III</td>
<td>4800</td>
<td>107</td>
</tr>
<tr>
<td>E110-45-VS-5K-XX</td>
<td>45</td>
<td>5000K</td>
<td>Type III</td>
<td>4900</td>
<td>108</td>
</tr>
<tr>
<td>E110-90-VS-4K-XX</td>
<td>90</td>
<td>4000K</td>
<td>Type III</td>
<td>9700</td>
<td>108</td>
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<tr>
<td>E110-90-VS-5K-XX</td>
<td>90</td>
<td>5000K</td>
<td>Type III</td>
<td>9800</td>
<td>109</td>
</tr>
</tbody>
</table>

Sample Photometry

**E110-30-VS-4K**
IES: TYPE III Very Short
MOUNTING HEIGHT: 10'
TILT: ZERO
HORIZONTAL SPACING CRITERIA: 1.44

Motion Sensor Details - Option (SC) and Accessories (TL-MSSW and TL-MSSW-REMOTE)

<table>
<thead>
<tr>
<th>DETECTION RADIUS/ANGLE</th>
<th>MAX 60°/360°</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOUNTING HEIGHT</td>
<td>MAX 40'</td>
</tr>
<tr>
<td>REMOTE RANGE</td>
<td>MAX 33'</td>
</tr>
<tr>
<td>FREQUENCY</td>
<td>5.8 gHz</td>
</tr>
<tr>
<td>HIGH MODE</td>
<td>70%, 80%, 90%, 100% (DEFAULT 100%)</td>
</tr>
<tr>
<td>SENSITIVITY</td>
<td>20%, 50%, 75%, 100% (DEFAULT 100%)</td>
</tr>
<tr>
<td>HOLD TIME</td>
<td>10sec, 1min, 5min, 10min, 15min, 20min, 30min, 60min (DEFAULT 5min)</td>
</tr>
<tr>
<td>DAYLIGHT HARVESTING</td>
<td>(disabled), 10Lux, 30Lux, 50Lux (DEFAULT disabled)</td>
</tr>
<tr>
<td>STANDBY DIM SETTING</td>
<td>0, 10%, 20%, 30%, OFF (∞) (DEFAULT 30%)</td>
</tr>
<tr>
<td>STANDBY TIME SETTING (TO OFF)</td>
<td>ON (disabled), 1min, 30min, 60min (DEFAULT 60min)</td>
</tr>
</tbody>
</table>

Sensor Settings (Remote)

| SC Option (Factory Installed) | TL-MSSW Accessory (Sold Separately) |
| Sensor Dip Switch Settings (Dip Switches on Sensor) | TL-MSSW-REMOTE Accessory (Sold Separately) |

Specifications are subject to change without notice. Installation must be performed in accordance with Barron Lighting Group installation instructions.
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