## Specifications

- Cast Aluminum or Polycarbonate Fitters
- Black, White, or Bronze (Aluminum Only)
- Post Mount Only
- Polycarbonate or Acrylic Acorn Diffuser
- Clear or Frost Textured Diffuser Options
- UL Listed For Wet Locations

### Guide: 2017CL-LT15C-BZ

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>GLOBE/JAR</th>
<th>LIGHT SOURCE</th>
<th>FITTER MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>POLYCARBONATE CL-Clear Textured</td>
<td>INCANDESCENT (1) 150W MAX Medium Base</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>HIGH PRESSURE SODIUM 70H (1) 70W 4Kv Medium Base</td>
<td>POWDERCOATED CAST ALUMINUM Black BZ-Bronze WH-White</td>
</tr>
<tr>
<td>8017</td>
<td>ACRYLIC CL-Clear Textured FA-Frost Textured</td>
<td>LED LIGHT SOURCE</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LIGHTWAVE LED LR12-13W 1000lm 80CRI LR15-15W 1400lm 80CRI LR22-23W 1900lm 80CRI LT12-12W 1040lm 90CRI LT15-16W 1400lm 90CRI LT22-24W 2020lm 90CRI</td>
<td>CCT C-4K W-3K</td>
</tr>
<tr>
<td></td>
<td></td>
<td>REPLACEABLE LED CORN COB LC5 24W 3120lm Type 5 LC3 20W 3000lm Type 3 LCD 24W 2400lm Dark Sky</td>
<td>C-4K</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E26 REPLACEABLE LED LE26-10W 800lm</td>
<td></td>
</tr>
</tbody>
</table>

### Lamp Included

### guide: 2017CL-LT15C-BZ

**LED Source Options**

**Lightwave LED - LR/LT**
- 120V, 50/60 Hz
- AC Driver-On-Board Array
- Estimated 50,000 Hrs $L_{70}$
- Low Flicker (LT models)
- Surge Suppression
- Dimmable (see compatible dimmer list)
- High Efficacy LED Light Source
- 3000K or 4000K CCT, 80 or 90CRI
- 5 Year Warranty

**E26 Replaceable LED - LE26**
- 120V, 50/60Hz
- "Screw-In" Medium Base A19/E26 LED Lamp
- Estimated 15,000 Hrs $L_{70}$
- Low Flicker (3K models)
- Dimmable (see compatible dimmer list)
- 3000K CCT 90CRI or 4000K CCT 80CRI
- 3 Year Warranty

**Replaceable LED Corn Cob - LC**
- 100-277V, 50/60Hz
- 250W Metal Halide Equivalent Lamp Included
- E39 Mogul Base Socket
- Estimated 50,000 Hrs $L_{70}$
- Surge Suppression
- Available in 4000K CCT 80CRI
- Type 3, Type 5, or Dark Sky Distribution
- 5 Year Warranty

**High Pressure Sodium - 70H**
- HPF Integral Magnetic Ballast, 120V
- 70W Lamp Included
- 4kV Medium Base Socket
- 1 Year Warranty

Wave Lighting’s Acorn Post Top Fixture is ideal for any outdoor patio or walkway. This fixture is easily relamped via 2 screws in fitter. This fixture can be used to comply with 2016 Title 24 Part 6 High Efficacy LED Light Source Requirements. Wave Lighting’s Acorns fit on a 3” diameter pole (sold separately) mounting hardware is included.
Outdoor Distribution Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-2002

Prepared For
Wave Lighting LLC
PO Box 300494
St Louis, MO 63130
United States

Catalog Number
2017CL-LC3C
Order Number
12590160
Test Number
12590160.04A
Revision of Test #12590160.04 on:
2018-11-27
Test Date
2018-11-16

Prepared By
Javier Caban, Technician

Approved By
Alexa Lambert, Project Handler

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.
This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.
Luminaire Description: Black formed aluminum housing, frosted pattern lens enclosure
Lamp: 96 white LED's
Mounting: Post
Ballast/Driver: Integrated

Luminaire

Luminaire Characteristics
Luminous Diameter: 11.00 in.
Luminous Height: 16.00 in.

Summary of Results
Roadway Classification: Type IV, Short
Cutoff Classification: Noncutoff
BUG Rating: B0 U5 G3

Test Conditions
Test Temperature: 25.0 °C
Voltage: 120.0 VAC
Current: 0.1613 A
Power: 19.12 W
Power Factor: 0.988
Frequency: 60 Hz
Current THD: 12.9 %

Tested in 30 planes left side, 30 planes right side, left and right averaged
Vertical test increments are 2.5 degrees
Test distance exceeds five times the greatest luminous opening of luminaire

Laboratory results may not be representative of field performance
Ballast factors have not been applied
Distribution - Goniophotometer

Distribution Test Conditions

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Voltage</th>
<th>Current</th>
<th>Power</th>
<th>Power Factor</th>
<th>Frequency</th>
<th>Current THD</th>
</tr>
</thead>
<tbody>
<tr>
<td>25.0 °C</td>
<td>120.0 VAC</td>
<td>0.1613 A</td>
<td>19.12 W</td>
<td>0.988</td>
<td>60 Hz</td>
<td>12.9 %</td>
</tr>
</tbody>
</table>

Summary of Results

IES Roadway Classification: Type IV, Short
Cutoff Classification: Noncutoff
BUG Rating: B0 U5 G3

Total Lumen Output: 2513 Lumens
Luminaire Efficacy: 131.4 lm/w
Maximum Candela: 652 Candela

ISO FootCandle Plot at 8 Feet
### Zonal Lumen Summary

<table>
<thead>
<tr>
<th>Zone</th>
<th>Lumens</th>
<th>% of Luminaire</th>
<th>Zone</th>
<th>Lumens</th>
<th>% of Luminaire</th>
<th>Zone</th>
<th>Lumens</th>
<th>% of Luminaire</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-5</td>
<td>0.1</td>
<td>0.0%</td>
<td>60-65</td>
<td>106.0</td>
<td>4.2%</td>
<td>120-125</td>
<td>104.8</td>
<td>4.2%</td>
</tr>
<tr>
<td>5-10</td>
<td>0.4</td>
<td>0.0%</td>
<td>65-70</td>
<td>119.6</td>
<td>4.8%</td>
<td>125-130</td>
<td>88.2</td>
<td>3.5%</td>
</tr>
<tr>
<td>10-15</td>
<td>1.2</td>
<td>0.0%</td>
<td>70-75</td>
<td>131.4</td>
<td>5.2%</td>
<td>130-135</td>
<td>73.0</td>
<td>2.9%</td>
</tr>
<tr>
<td>15-20</td>
<td>4.1</td>
<td>0.2%</td>
<td>75-80</td>
<td>141.5</td>
<td>5.6%</td>
<td>135-140</td>
<td>59.0</td>
<td>2.3%</td>
</tr>
<tr>
<td>20-25</td>
<td>10.1</td>
<td>0.4%</td>
<td>80-85</td>
<td>149.8</td>
<td>6.0%</td>
<td>140-145</td>
<td>45.3</td>
<td>1.8%</td>
</tr>
<tr>
<td>25-30</td>
<td>18.2</td>
<td>0.7%</td>
<td>85-90</td>
<td>157.2</td>
<td>6.3%</td>
<td>145-150</td>
<td>32.1</td>
<td>1.3%</td>
</tr>
<tr>
<td>30-35</td>
<td>27.7</td>
<td>1.1%</td>
<td>90-95</td>
<td>161.0</td>
<td>6.4%</td>
<td>150-155</td>
<td>20.2</td>
<td>0.8%</td>
</tr>
<tr>
<td>35-40</td>
<td>38.4</td>
<td>1.5%</td>
<td>95-100</td>
<td>159.9</td>
<td>6.4%</td>
<td>155-160</td>
<td>10.5</td>
<td>0.4%</td>
</tr>
<tr>
<td>40-45</td>
<td>50.6</td>
<td>2.0%</td>
<td>100-105</td>
<td>154.8</td>
<td>6.2%</td>
<td>160-165</td>
<td>5.3</td>
<td>0.2%</td>
</tr>
<tr>
<td>45-50</td>
<td>63.8</td>
<td>2.5%</td>
<td>105-110</td>
<td>146.7</td>
<td>5.8%</td>
<td>165-170</td>
<td>3.4</td>
<td>0.1%</td>
</tr>
<tr>
<td>50-55</td>
<td>77.7</td>
<td>3.1%</td>
<td>110-115</td>
<td>135.6</td>
<td>5.4%</td>
<td>170-175</td>
<td>1.6</td>
<td>0.1%</td>
</tr>
<tr>
<td>55-60</td>
<td>92.0</td>
<td>3.7%</td>
<td>115-120</td>
<td>120.9</td>
<td>4.8%</td>
<td>175-180</td>
<td>0.5</td>
<td>0.0%</td>
</tr>
</tbody>
</table>

**Vertical Plane Through**

**5° Lateral**

**Lateral Cone Through**

**92.5° Vertical**

**Maximum Intensity (Candlepower):** 652 Candela
IES "BUG" Rating
(Back Light, Uplight, Glare)
Per IES TM-15-11

Luminaire Classification System (LCS)

<table>
<thead>
<tr>
<th>LCS</th>
<th>Zone</th>
<th>Lumens</th>
<th>Luminaire %</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL</td>
<td>(0-30)</td>
<td>29.0</td>
<td>1.2%</td>
</tr>
<tr>
<td>FM</td>
<td>(30-60)</td>
<td>311.3</td>
<td>12.4%</td>
</tr>
<tr>
<td>FH</td>
<td>(60-80)</td>
<td>433.6</td>
<td>17.3%</td>
</tr>
<tr>
<td>FVH</td>
<td>(80-90)</td>
<td>255.0</td>
<td>10.1%</td>
</tr>
<tr>
<td>BL</td>
<td>(0-30)</td>
<td>5.1</td>
<td>0.2%</td>
</tr>
<tr>
<td>BM</td>
<td>(30-60)</td>
<td>39.0</td>
<td>1.6%</td>
</tr>
<tr>
<td>BH</td>
<td>(60-80)</td>
<td>64.9</td>
<td>2.6%</td>
</tr>
<tr>
<td>BVH</td>
<td>(80-90)</td>
<td>52.1</td>
<td>2.1%</td>
</tr>
<tr>
<td>UL</td>
<td>(90-100)</td>
<td>320.9</td>
<td>12.8%</td>
</tr>
<tr>
<td>UH</td>
<td>(100-180)</td>
<td>1001.9</td>
<td>39.9%</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>2512.9</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

**BUG Rating**  B0 U5 G3
Outdoor Distribution Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-2002

Prepared For
Wave Lighting LLC
PO Box 300494
St Louis, MO 63130
United States

Catalog Number
2017CL-LC5C

Order Number
12590160

Test Number
12590160.05A

Revision of Test #12590160.05 on:
2018-11-27
Test Date
2018-11-15

Prepared By
Derek Smarr, Technician

Approved By
Alexa Lambert, Project Handler

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Luminaire Description: Black formed aluminum housing, frosted pattern lens enclosure
Lamp: 72 white LED's
Mounting: Post
Ballast/Driver: Integrated

Luminaire

Luminaire Characteristics
Luminous Diameter: 11.00 in.
Luminous Height: 16.00 in.

Summary of Results
Roadway Classification: Type V, Very Long
Cutoff Classification: Noncutoff
BUG Rating: B1 U5 G2

Test Conditions
Test Temperature: 25.1 °C
Voltage: 120.0 VAC
Current: 0.1948 A
Power: 23.20 W
Power Factor: 0.993
Frequency: 60 Hz
Current THD: 10.7 %

Tested in 30 planes left side, 30 planes right side, left and right averaged
Vertical test increments are 2.5 degrees
Test distance exceeds five times the greatest luminous opening of luminaire

Laboratory results may not be representative of field performance
Ballast factors have not been applied
Distribution - Goniophotometer

Distribution Test Conditions

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Voltage</th>
<th>Current</th>
<th>Power</th>
<th>Power Factor</th>
<th>Frequency</th>
<th>Current THD</th>
</tr>
</thead>
<tbody>
<tr>
<td>25.1 °C</td>
<td>120.0 VAC</td>
<td>0.1948 A</td>
<td>23.20 W</td>
<td>0.993</td>
<td>60 Hz</td>
<td>10.7 %</td>
</tr>
</tbody>
</table>

Summary of Results

IES Roadway Classification: Type V, Very Long  Total Lumen Output: 2705 Lumens
Cutoff Classification: Noncutoff  Luminaire Efficacy: 116.6 lm/w
BUG Rating: B1 U5 G2  Maximum Candela: 281 Candela

ISO FootCandle Plot at 8 Feet
### Zonal Lumen Summary

<table>
<thead>
<tr>
<th>Zone</th>
<th>Lumens</th>
<th>% of Luminaire</th>
<th>Zone</th>
<th>Lumens</th>
<th>% of Luminaire</th>
<th>Zone</th>
<th>Lumens</th>
<th>% of Luminaire</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-5</td>
<td>0.3</td>
<td>0.0%</td>
<td>60-65</td>
<td>110.4</td>
<td>4.1%</td>
<td>120-125</td>
<td>120.6</td>
<td>4.9%</td>
</tr>
<tr>
<td>5-10</td>
<td>1.0</td>
<td>0.0%</td>
<td>65-70</td>
<td>123.0</td>
<td>4.5%</td>
<td>125-130</td>
<td>106.3</td>
<td>3.9%</td>
</tr>
<tr>
<td>10-15</td>
<td>2.3</td>
<td>0.1%</td>
<td>70-75</td>
<td>134.3</td>
<td>5.0%</td>
<td>130-135</td>
<td>92.9</td>
<td>3.4%</td>
</tr>
<tr>
<td>15-20</td>
<td>5.6</td>
<td>0.2%</td>
<td>75-80</td>
<td>143.0</td>
<td>5.3%</td>
<td>135-140</td>
<td>77.6</td>
<td>2.9%</td>
</tr>
<tr>
<td>20-25</td>
<td>12.2</td>
<td>0.5%</td>
<td>80-85</td>
<td>148.8</td>
<td>5.5%</td>
<td>140-145</td>
<td>64.0</td>
<td>2.4%</td>
</tr>
<tr>
<td>25-30</td>
<td>20.4</td>
<td>0.8%</td>
<td>85-90</td>
<td>152.4</td>
<td>5.6%</td>
<td>145-150</td>
<td>48.9</td>
<td>1.8%</td>
</tr>
<tr>
<td>30-35</td>
<td>30.0</td>
<td>1.1%</td>
<td>90-95</td>
<td>153.4</td>
<td>5.7%</td>
<td>150-155</td>
<td>36.4</td>
<td>1.3%</td>
</tr>
<tr>
<td>35-40</td>
<td>41.6</td>
<td>1.5%</td>
<td>95-100</td>
<td>151.6</td>
<td>5.6%</td>
<td>155-160</td>
<td>27.6</td>
<td>1.0%</td>
</tr>
<tr>
<td>40-45</td>
<td>54.9</td>
<td>2.0%</td>
<td>100-105</td>
<td>147.9</td>
<td>5.5%</td>
<td>160-165</td>
<td>19.4</td>
<td>0.7%</td>
</tr>
<tr>
<td>45-50</td>
<td>69.0</td>
<td>2.6%</td>
<td>105-110</td>
<td>142.6</td>
<td>5.3%</td>
<td>165-170</td>
<td>11.3</td>
<td>0.4%</td>
</tr>
<tr>
<td>50-55</td>
<td>83.4</td>
<td>3.1%</td>
<td>110-115</td>
<td>136.8</td>
<td>5.1%</td>
<td>170-175</td>
<td>5.7</td>
<td>0.2%</td>
</tr>
<tr>
<td>55-60</td>
<td>97.4</td>
<td>3.6%</td>
<td>115-120</td>
<td>129.6</td>
<td>4.8%</td>
<td>175-180</td>
<td>2.0</td>
<td>0.1%</td>
</tr>
</tbody>
</table>

**Maximum Intensity (Candlepower):** 281 Candela
IES "BUG" Rating
(Back Light, Uplight, Glare)
Per IES TM-15-11

Luminaire Classification System (LCS)

<table>
<thead>
<tr>
<th>LCS</th>
<th>Zone</th>
<th>Lumens</th>
<th>Luminaire %</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL</td>
<td>(0-30)</td>
<td>20.9</td>
<td>0.8%</td>
</tr>
<tr>
<td>FM</td>
<td>(30-60)</td>
<td>188.2</td>
<td>7.0%</td>
</tr>
<tr>
<td>FH</td>
<td>(60-80)</td>
<td>255.4</td>
<td>9.4%</td>
</tr>
<tr>
<td>FVH</td>
<td>(80-90)</td>
<td>150.6</td>
<td>5.6%</td>
</tr>
<tr>
<td>BL</td>
<td>(0-30)</td>
<td>20.9</td>
<td>0.8%</td>
</tr>
<tr>
<td>BM</td>
<td>(30-60)</td>
<td>188.2</td>
<td>7.0%</td>
</tr>
<tr>
<td>BH</td>
<td>(60-80)</td>
<td>255.4</td>
<td>9.4%</td>
</tr>
<tr>
<td>BVH</td>
<td>(80-90)</td>
<td>150.6</td>
<td>5.6%</td>
</tr>
<tr>
<td>UL</td>
<td>(90-100)</td>
<td>305.0</td>
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</tr>
<tr>
<td>UH</td>
<td>(100-180)</td>
<td>1169.6</td>
<td>43.2%</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>2704.7</td>
<td>100.0%</td>
</tr>
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BUG Rating: B1 U5 G2