TCP’s LED Area Lights are designed for outdoor lighting applications requiring bright, white light, energy savings and robust performance. The long 50,000 hour rated life significantly decreases maintenance, labor and material costs over the life of the fixture.

Reasons to choose the LED Area Lights from TCP

- Up to 72% less energy than traditional HID
- Long 50,000 hour rated life minimizes replacement and labor costs
- Integrated 7-pin NEMA photocontrol receptacle with shorting cap comes standard; 3-pin or 7-pin photocontrol or wireless control node can be used
- Easy to install - Adjustable slip-fitter for 2 3/8” O.D. arms or tenons is standard; Additional mounting accessories available for versatile mounting options
- Mercury free construction is great for all environments
- IP65 Rated – Suitable for outdoor installation
- Light weight and Low EPA reduces stress on existing poles

Ideal Applications

- HID Shoebox Replacements
- Shopping Malls
- Parking Lots and Parking Garage Top Level
- Walkways
- Stadium Lots
- Campuses
- Auto Dealerships
Specifications

Input Line Voltage .................. 120-277VAC or 347/480VAC (N/A on A1 models)
Input Line Frequency (Hz) .................. 50/60HZ
Lumens / Wattage .......................... 3,500L (100W), 6,500L (200W), 40,000L (300W)
Lumens per Watt [LPW] .................. 122 - 138 LPW
Color Temperature [CCT] .................. 4000K, 5000K
Rated Life .................................. 50,000 hours
Controls .................. NEMA 7-pin Photocontrol Receptacle with Shorting Cap provided
Operating Temperature ................. -40°C to 45°C
CRI ........................................ 70+
Power Factor ................................ <0.9
Surge Protection .................. 10KV (120-277V), 20KV (347-480V)
THD ........................................ <20%
Ratings .................. UL/cUL damp location rated, IC rated, IP20, DLC Premium 5.0

<table>
<thead>
<tr>
<th>TYPE</th>
<th>WATTAGE*</th>
<th>ENERGY SAVINGS (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCP Area Light A1 - 13,500 Lumens</td>
<td>100W</td>
<td>—</td>
</tr>
<tr>
<td>250W Metal Halide</td>
<td>295W</td>
<td>66%</td>
</tr>
<tr>
<td>400W Metal Halide</td>
<td>458W</td>
<td>78%</td>
</tr>
<tr>
<td>TCP Area Light B1 - 20,000 Lumens</td>
<td>150W</td>
<td>—</td>
</tr>
<tr>
<td>250W Metal Halide</td>
<td>295W</td>
<td>49%</td>
</tr>
<tr>
<td>400W Metal Halide</td>
<td>458W</td>
<td>67%</td>
</tr>
<tr>
<td>TCP Area Light A2 - 26,500 Lumens</td>
<td>200W</td>
<td>—</td>
</tr>
<tr>
<td>400W Metal Halide</td>
<td>458W</td>
<td>56%</td>
</tr>
<tr>
<td>1000W Metal Halide</td>
<td>1081W</td>
<td>81%</td>
</tr>
<tr>
<td>TCP Area Light A3 - 40,000 Lumens</td>
<td>300W</td>
<td>—</td>
</tr>
<tr>
<td>400W Metal Halide</td>
<td>458W</td>
<td>34%</td>
</tr>
<tr>
<td>1000W Metal Halide</td>
<td>1081W</td>
<td>72%</td>
</tr>
</tbody>
</table>

*Actual wattage may differ by +/- 5%, when operating between 120-277V +/- 10%.

NOTE: Charts show system lumens (delivered lumens), NOT straight lamp lumen output. This is calculated as follows:
System lumens = mean lumens x # lamps x ballast factor x luminaire efficiency factor

Warranty

Five year limited warranty against defects in manufacturing

Replacement Strategy

TCP®
325 Campus Dr. | Aurora, Ohio 44202 | P: 800-324-1496 | tcp.com

Not all versions of this product are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products list at www.designlights.org/qpl.
Applications
TCP’s LED Area Lights feature a low profile, 3G vibration rated design that delivers a bright, uniform light while saving energy over traditional HID sources. Maintenance costs are virtually eliminated over their long-rated life. Applications include parking lots, walkways, auto dealerships, campuses and other public areas.

Construction
- Visually appealing slim, low-profile design
- Heavy duty die-cast aluminum housing
- Durable UV stabilized powder coat finish
- Adjustable slip-fitter mount included for easy installation
- Round pole, Square pole, wall mount and trunnion mount accessories available

Electrical
- Accepts 120-277V or 347/480V input, 347/480V N/A on A1 models
- NEMA 7-pin photocontrol receptacle with shorting cap accepts 3-pin or 7-pin photocounters or wireless control nodes
- System rated for long 50,000 hour rated life
- cULus wet location rated
- 10KV (120-277V), 20KV (347-480V) surge suppression comes standard

Optics
- Durable acrylic optics resist yellowing
- Distribution Type III standard, Types IV and V optional

Catalog Ordering Matrix

<table>
<thead>
<tr>
<th>FAMILY</th>
<th>VOLTAGE</th>
<th>ZD</th>
<th>LUMENS PACKAGE (POWER)1,2</th>
<th>DISTRIBUTION3</th>
<th>CCT</th>
<th>PHOTOCOEL RECEPTACLE5</th>
<th>COLOR</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AL = Area Light</td>
<td>U - 120-277V</td>
<td>ZD = O-10V Dimming</td>
<td>A1 - 13,500 Lumens [110W]</td>
<td>T3 - Type III</td>
<td>40K = 4000K</td>
<td>N7 - NEMA 7-PIN</td>
<td>BR - Bronze</td>
<td>(see below)</td>
</tr>
<tr>
<td></td>
<td>H - 347/480V</td>
<td></td>
<td>B1 - 20,000 Lumens (150W)</td>
<td>T4 - Type IV</td>
<td>50K = 5000K</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>A2 - 26,500 Lumens (200W)</td>
<td>T5 - Type V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>A3 - 40,000 Lumens (300W)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 347/480V is not available on A1 models.
2 Actual lumen output and input wattage may differ by +/-10%
3 Type III Standard, Types IV and V are made to order and require additional lead time. Consult factory for details.
4 Shorting Cap provided. Can be used with a standard 3-pin or 7-pin photocontrol or a wireless control node (not included)

Listings
- cULus Listed – wet location rated
- RoHS Compliant
- DLC 5.0 Premium
- IP65 Rated
- 3G Vibration Rated

Warranty
Five year limited warranty against defects in manufacturing

<table>
<thead>
<tr>
<th>Lumen Package</th>
<th>36,000 hours1</th>
<th>50,000 hours1</th>
<th>100,000 hours1</th>
<th>Reported L70 (hours)1</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>90.23%</td>
<td>86.77%</td>
<td>75.43%</td>
<td>&gt;54,000</td>
</tr>
<tr>
<td>B1</td>
<td>90.23%</td>
<td>86.77%</td>
<td>75.43%</td>
<td>&gt;54,000</td>
</tr>
<tr>
<td>A2</td>
<td>91.00%</td>
<td>87.86%</td>
<td>77.48%</td>
<td>&gt;60,000</td>
</tr>
<tr>
<td>A3</td>
<td>91.61%</td>
<td>88.47%</td>
<td>78.11%</td>
<td>&gt;54,000</td>
</tr>
</tbody>
</table>

1 IESNA TM-21-11 projected value based on 6X IESNA LM-80-08 total test duration.
2 IESNA TM-21-11 calculated value exceeds 6X IESNA LM-80-08 total test duration.
EPA of Area Light

<table>
<thead>
<tr>
<th>Lumen Package</th>
<th>1</th>
<th>2 @90°</th>
<th>2 @120°</th>
<th>2 @180°</th>
<th>3 @90°</th>
<th>3 @120°</th>
<th>4 @90°</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1 (13,500 Lumens, 100W)</td>
<td>0.3413</td>
<td>0.5929</td>
<td>0.7983</td>
<td>0.6826</td>
<td>1.0239</td>
<td>1.0499</td>
<td>1.0239</td>
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<tr>
<td>B1 (20,000 Lumens, 150W)</td>
<td>0.423</td>
<td>0.735</td>
<td>0.873</td>
<td>0.846</td>
<td>1.158</td>
<td>1.185</td>
<td>1.158</td>
</tr>
<tr>
<td>A2 (26,500 Lumens, 200W)</td>
<td>0.423</td>
<td>0.735</td>
<td>0.873</td>
<td>0.846</td>
<td>1.158</td>
<td>1.185</td>
<td>1.158</td>
</tr>
<tr>
<td>A3 (40,000 Lumens, 300W)</td>
<td>0.4759</td>
<td>0.7889</td>
<td>1.0581</td>
<td>0.9518</td>
<td>1.2648</td>
<td>1.3711</td>
<td>1.2648</td>
</tr>
</tbody>
</table>

PHOTOMETRICS

TCP offers a complete set of optical systems to meet every site lighting requirement. These systems provide remarkable flexibility in precisely matching light distribution patterns to specific site requirements.

Type 3:
Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.

Type 4:
Type 4 is suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.

Type 5:
Type 5 optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type 5 luminaires is universal for most area lighting applications.

MOUNTING

- Standard versatile mounting arm accommodates multiple drilling patterns as well as square and round poles
- Wall Mount available for direct wall mounting and J-box mounting
- Compatible with more TCP mounting adaptors such as Tenon, suits for various applications

Arm Mount
- 4" and 5" Square and Round poles

Wall Mount
- Wall Mount is easy to install for direct wall mounting with 1/2" conduit wiring or standard J-box mounting

Mounting Options

Drilling Template

Weight:
A1 = 8.5" (216.0mm)
B1 = 12.3" (312.4mm)
A2 = 12.3" (312.4mm)
A3 = 12.3" (312.4mm)

A1 = 8.65lb (3.92kg)
B1 = 12.18lb (5.52kg)
A2 = 12.18lb (5.52kg)
A3 = 18.00lb (8.16kg)
### Mounting Accessories

**ALSLIPFITTER**  
Included with each Area Light, the standard cast aluminum slipfitter mount secures the luminaire to nominal 2"(2 3/8" O.D. pipe size) horizontal arm or vertical tenon.

**ALSPOLEMOUNT**  
The optional round or square pole mount accessory is field installed and can be used with 4" or 5" square or round poles. Round pole adapter is included.

**ALTRUNNION**  
The optional trunnion mount is field installed.

**ALWALLMOUNT**  
The optional wall mount accessory is field installed and includes a heavy duty aluminum plate to secure it to the wall.

### Performance Data

<table>
<thead>
<tr>
<th>Lumen Package</th>
<th>Number of Drivers</th>
<th>System Watts</th>
<th>Drive Current(mA)</th>
<th>Input Voltage</th>
<th>Distribution Type</th>
<th>4000K 70CRI Lumens</th>
<th>LPW</th>
<th>5000K 70CRI Lumens</th>
<th>LPW</th>
<th>B-U-G Rating</th>
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<tbody>
<tr>
<td>A1</td>
<td>1</td>
<td>100</td>
<td>2450</td>
<td>120/277V Only</td>
<td>III</td>
<td>13,579</td>
<td>136</td>
<td>13,846</td>
<td>138</td>
<td>B2U1-G2</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>IV</td>
<td>13,201</td>
<td>132</td>
<td>13,347</td>
<td>133</td>
<td>B2U1-G2</td>
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<td></td>
<td>V</td>
<td>13,899</td>
<td>139</td>
<td>14,182</td>
<td>142</td>
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<td>B1</td>
<td>1</td>
<td>150</td>
<td>3675</td>
<td>120/277V</td>
<td>III</td>
<td>20,099</td>
<td>134</td>
<td>20,185</td>
<td>135</td>
<td>B3U1-G3</td>
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<tr>
<td></td>
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<td></td>
<td></td>
<td>347/480V</td>
<td>IV</td>
<td>19,666</td>
<td>133</td>
<td>20,092</td>
<td>134</td>
<td>B3U2-G3</td>
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<td>B4U1-G2</td>
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<tr>
<td>A2</td>
<td>1</td>
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<td>5100</td>
<td>120/277V</td>
<td>III</td>
<td>25,151</td>
<td>126</td>
<td>25,765</td>
<td>129</td>
<td>B3U1-G3</td>
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<tr>
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<td></td>
<td></td>
<td>347/480V</td>
<td>IV</td>
<td>24,635</td>
<td>123</td>
<td>24,887</td>
<td>124</td>
<td>B3U2-G3</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>V</td>
<td>25,089</td>
<td>125</td>
<td>25,880</td>
<td>129</td>
<td>B4U1-G2</td>
</tr>
<tr>
<td>A3</td>
<td>1</td>
<td>300</td>
<td>6000</td>
<td>120/277V</td>
<td>III</td>
<td>40,033</td>
<td>133</td>
<td>40,311</td>
<td>134</td>
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<td>347/480V</td>
<td>IV</td>
<td>39,699</td>
<td>132</td>
<td>39,977</td>
<td>133</td>
<td>B4U1-G4</td>
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<td>V</td>
<td>41,698</td>
<td>139</td>
<td>42,728</td>
<td>142</td>
<td>B5U1-G3</td>
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</table>

### Photometric Report

Based on photometric data for TCP Item # ALUZDA2T340KN7BR

**TCP Item # ALUZDA2T340KN7BR**

**TCP Item # ALUZDA2T540KN7BR**

For the most up-to-date specs and warranty information, please visit www.tcp.com

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Not all versions of this product are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/qpl.

5 YEAR WARRANTY
For over 20 years, TCP has been designing, developing and delivering energy-efficient lighting into the market. Thanks to our cutting-edge technology and manufacturing expertise, we have shipped billions of high-quality lighting products. With TCP, you can count on a lighting product that is designed to meet the needs of the market, that transforms your surroundings and envelopes you in warmth. Lighting that generates beauty with every flip of the switch.

For more information on the quality and care TCP can deliver, call us at 800.324.1496 or visit tcpi.com