BARCELONA LED SERIES
BA-PEN-LED-S7

IP 66 RATED
LED CHAMBER

PRECISION ALUMINUM PANEL FOR ROBUST MOUNTING & THERMAL MANAGEMENT

36 KV SERIES IMPEDANCE BALANCED SURGE SUPPRESSOR

CAST ALUMINUM CANOPY w/ BUTTERFLY LATCH (CATCH)

INTELLIGENT POWER SUPPLY w/ WATTAGE-ADJUSTMENT PORT

HIGH PERFORMANCE SILICONE OPTICS TYPE III OR V

THERMAL MANAGEMENT (1) CHIMNEY PASS THRU BOLT

SIDE VENTING FOR HEAT DISSIPATION

NO EXTERNAL VERTICAL GLASS SURFACES

EXAMPLE
BA-PEN-LED-5000-115-120/277-III-BLK

STANDARD KELVIN ACTUAL + EQUIVALENT + LUMENS VOLTAGE RANGE-AC LIGHT DISTRIBUTION COLOR OF POWDER COAT FINISH

<table>
<thead>
<tr>
<th>KELVIN</th>
<th>WATTAGE RANGE</th>
<th>VOLTAGE RANGE-AC</th>
<th>DISTRIBUTION</th>
<th>COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000</td>
<td>60w=110w HPS/150w MH EQ - 7,400 Lmns</td>
<td>120/277v</td>
<td>TYPE III</td>
<td>(BLK) BLACK</td>
</tr>
<tr>
<td>4000</td>
<td>50w=110w HPS/210w MH EQ - 9,500 Lmns</td>
<td>120/277v</td>
<td>TYPE III</td>
<td>(HG) HAND BRUSHED GREEN</td>
</tr>
<tr>
<td>5000</td>
<td>115w=300w HPS/320w MH EQ - 12,800 Lmns</td>
<td>120/277v</td>
<td>TYPE III</td>
<td>(HR) HAND BRUSHED GRAY</td>
</tr>
<tr>
<td>140w=220w HPS/460w MH EQ - 16,800 Lmns</td>
<td>120/277v</td>
<td>TYPE III</td>
<td>(GN) GREEN</td>
<td></td>
</tr>
<tr>
<td>240w=460w HPS/750w MH EQ - 26,500 Lmns</td>
<td>120/277v</td>
<td>TYPE III</td>
<td>CUSTOM</td>
<td></td>
</tr>
</tbody>
</table>

LUMINARE SPECIFICATION

HOUSING
The reflector shall be core cast aluminum. Allumin shall be certified as pure #999 silver, free of any porosity, foreign materials or cosmetic flaws. Castings shall be uniform in thickness with no warping or mold shifting. Minimum wall thickness shall be 3/16". Fatigue characteristics are one-piece design. LED assembly shall be mounted with four stainless steel screws. The core ports for ventilation holes are both below and above the canopy and have built-in heat sink and heat management and all of LED longevity.

LED POWER SUPPLY
All electrical components and materials shall be UL-recognition and listed and be of the certified UL technician. The electrical assembly is pre-wired and tested for compliance with UL 8410 standards. All components are rated for 1 amp but only draws 300 mAh at 14.4 v. The unit is rated at 14.4 v with 15% surge suppression. All components are UL listed with a 1.0 PF rating. Service life up to 100,000 hours at +60°C to -40°C. Ambient temperature, 1.0% Total Harmonic Distortion.

LED CIRCUIT BOARD
LEDs are available in 5000, 4000 & 5000 Kelvin with a Type III or Type V light distribution. Instant On/Off soft start, PF rating of 90% with 115v, 120v or 277v.

WARNING
This unit must be mounted to #10 D.O.D. arm with stainless steel thru bolt and allen set screws (3 @ 120°)

CERTIFICATION
The fixture shall be UL listed for wet location use, LM-80-08, and D.O.D. Listed with IP66 Components. Designed to UL 1598 & UL 1449 3rd Edition, UL Driver is installed. Complies with IEEE C821-1 and FCC Part 15 Class A.

FINISH=AAMA-2606-5
Fixture finish shall consist of degreasing, phosphoric acid etching and 140°C airless water rinsing, oven dried and top coated with a clear 70% silicon dioxide powder coat. Designed not to chalk or fade for many years. All Niland Company powder must pass a minimum 8000-hour salt spray test for corrosion resistance.

WARRANTY
Quick 60+ warranty on LED module and electronic driver. Please contact manufacturer for more details.

PHOTOMETRICS
Complete photometric data for all fixtures is available in EFS format. A certified independent laboratory performs all testing. Quick LED Company provides for more information.

NILAND/LED
Leading The Way For Solid State Street Lighting

QUICK 60+
Warranty On Parts