MOZART BOLLARD-PLED

FIXTURE HOUSING
Optical Crown, Arms and Hub are welded to create a one piece unitized Housing consisting of precise heavy wall cast low copper (A356 alloy; < 0.2%Cu) aluminum. Hood is fastened to the Housing with a stainless steel hinge and secured with a single stainless steel hex head cap screw 180° opposite the hinge. Hood and Optical Crown are sealed with an extruded closed cell silicone gasket.

RISER AND BASE COVER
Riser is extruded aluminum shaft (6063-T6 Alloy) either smooth or fluted with a minimum wall thickness of .188". Riser is welded to a cast aluminum (A356 alloy; <0.2%Cu) base. Base cover is a 2-piece aluminum casting (A356 alloy; <0.2% Cu) that completely cover the anchors bolts and Riser anchor base.

PLED* OPTICS
Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. LED refractors produce standard site/area distributions. Panels are field replaceable and field rotatable in 90° increments.

LED DRIVER(S)
Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F. Driver(s) is/are UL and cUL recognized and mounted directly against the Electrical Housing to facilitate thermal transfer, held down by universal clamps to facilitate easy removal. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50,60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

LED EMITTERS
High output LED’s are utilized with drive currents ranging from 175mA to 350mA. 70CRI Minimum. LED’s are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

AMBER LED’s
PCA (Phosphor Converted Amber) LED’s utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. TRA (True Amber) LED’s utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

FINISH
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.
MOZART BOLLARD - PLED

SPECIFICATIONS

GROUND MOUNTING

6" DIA. BOLT CIRCLE

10" DIA.

ANCHOR BOLT(6) 3/4" X 18"

ANCHOR RING 1" ABOVE GRADE

MOZB-FL
(Fluted Riser)

MOZB-SM
(Smooth Riser)

FINISH OPTIONS

- DARK BRONZE RAL-8019-T
- GREEN RAL-6005-T
- WHITE RAL-9003-T
- GREY RAL-7004-T
- BLACK RAL-9005-T

STANDARD TEXTURED FINISH

FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9003-S)

SEE USALTG.COM FOR ADDITIONAL COLORS

OPTICS

- OPTICS LED
- LED MODULES

IES DISTRIBUTION TYPE

- TYPE II
- TYPE II FRONT ROW
- TYPE II M
- TYPE II W
- TYPE IV
- TYPE IV-FT
- TYPE V NARROW
- TYPE V MED.
- TYPE V WIDE

# of LED's DRIVE CURRENT COLOR TEMP-CCT VOLTAGE FINISH OPTIONS

- 20LED
- 175mA
- 350mA
- NW (4000K) *STANDARD
- CW (5000K)
- WW (3000K)
- OTHER LED COLORS AVAILABLE CONSULT FACTORY

- 120
- 206
- 240
- 277
- 347
- 480

- BLACK RAL-9005-T
- WHITE RAL-9003-T
- GREY RAL-7004-T
- GREEN RAL-6005-T

STANDARD TEXTURED FINISH

FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9003-S)

- HOUSE SIDE SHIELDS
- HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR
- PHOTO CELL + VOLTAGE (EXAMPLE PC120V) . PC+V
- SINGLE FUSE (120V, 277V, 347V) . SF
- DOUBLE FUSE (208V, 240V, 480V) . DF

CONTACT FACTORY FOR STEP DIM MOTION SENSOR (PROGRAMMED 50/100)


Sun Valley Lighting
640 West Avenue O, Palmdale, CA 93551
Phone (661) 233-3000 Fax (661) 233-3001
www.usaltg.com
NOTES:
1. Max Input Amps is the highest of starting, operating, or open circuit currents.
2. Lumen values for LED Modules vary according to the distribution type.
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV – 20KV surge suppressors.
5. L70(10K) – TM-21 6x rule applied
   L70(10K) – Calculated = 244,000 @ 700mA

WARNING: All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

<table>
<thead>
<tr>
<th>LED COUNT</th>
<th>SOURCE TYPE</th>
<th>SOURCE</th>
<th>INITIAL LUMENS - 4000K</th>
<th>INITIAL LUMENS - 3000K</th>
<th>INITIAL LUMENS - 5000K</th>
<th>L70 GREATER THAN (HR)-TM21</th>
<th>STARTING TEMP</th>
<th>SYSTEM WATTS</th>
<th>VOLTS</th>
<th>MAX INPUT AMPS</th>
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<tbody>
<tr>
<td>20</td>
<td>LED</td>
<td>20 PLED Optical Module - 175mA</td>
<td>1.401 – 1.404</td>
<td>1.226 – 1.229</td>
<td>1.434 – 1.438</td>
<td>60,000+</td>
<td>-20°F</td>
<td>12</td>
<td>120</td>
<td>277</td>
</tr>
<tr>
<td>20</td>
<td>LED</td>
<td>20 PLED Optical Module - 350mA</td>
<td>2.501 – 2.789</td>
<td>2.189 – 2.442</td>
<td>2.561 – 2.857</td>
<td>60,000+</td>
<td>-20°F</td>
<td>23</td>
<td>120</td>
<td>277</td>
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