

## DESCRIPTION

The Boca 650 is a tiny 3 5/8" diameter inground luminaire for use in concrete, brick, stone or dirt. The luminaire is patterned with single, dual or quadruple openings and provides a crisp, white light source for grazing or marking in constricted areas. Available in LED or Halogen (MR11 or T3 bi-pin lamp). LED is available in three color temperatures and three different beam spread distributions. Also available as an inground fixed uplight. See Boca 650-RD.

Catalog #		Type
Project		
Comments		Date
Prepared by		

## SPECIFICATION FEATURES

### Material

Recessed housing is constructed from injection molded, outdoor rated engineering thermoplastic. Trim and inner housing are die cast with corrosion resistant aluminum alloy. Premium materials are machined from solid stainless steel, copper, bronze\* or brass.

### Finish

Fixtures are double protected by a ROHS\* compliant chemical conversion undercoating and polyester powdercoat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available.

### Gasket

Inner recessed housing and trim ring are sealed with a high temperature silicone, wrap around gasket to prevent water intrusion.

### Lens

Optical glass lens designed for horizontal throw.

### Hardware

Stainless steel hardware is standard to provide maximum corrosion-resistance.

### Socket

Ceramic socket with 250° CTeflon® coated lead wires and G4 bi-pin base.

### Electrical

Remote 12V transformer required (not included). Initial power draw on LED equipped fixtures is 12 watts. When sizing transformer use 12 watts per LED fixture. Nominal power draw after start up is 8 watts. Also, LEDs are more voltage sensitive than standard halogen MR16 lamps. The LED module is designed to operate within the range 12V+/- 1.2V. Any less or more voltage can cause premature failures.

### Lamp

Halogen lamp not included. Available from Lumière as an accessory. LED modules are included and are available in three color temperatures (2700, 3000, and 4000) with a spot distribution. Color temperature must be specified when ordering - see reverse side for details and catalog logic.

### Warranty

Lumière warrants its fixtures against defects in materials & workmanship for three (3) years. Auxiliary equipment such as transformers, ballasts and lamps carry the original manufacturer's warranty.

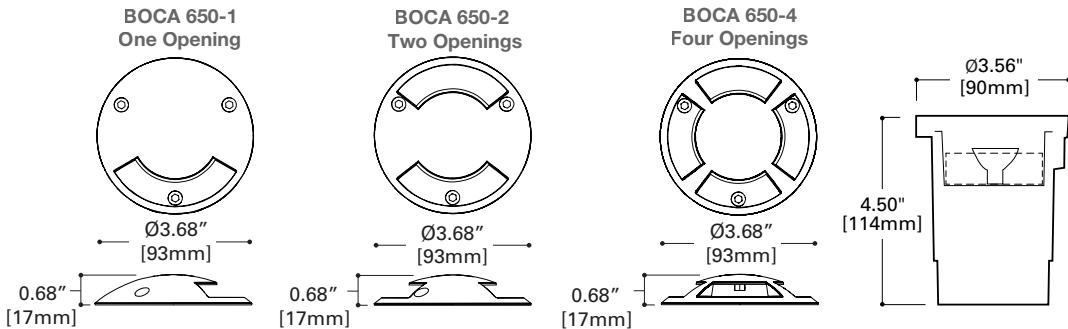
### Recessed Housing

Recessed housing is available to ship in advance of complete fixture for rough in purposes. Specify option -LBB and order separately recessed housing 650-BB.



**650-1, 2, 4**  
BOCA  
LED  
HALOGEN

**APPLICATIONS:**  
GROUND-MOUNT  
RECESSED



### CERTIFICATION DATA

UL and cUL Wet Location Listed  
ISO 9001-2000  
LM79 / LM80 Compliant  
ROHS\* Compliant  
IP66 Ingressed Protection Rated

### TECHNICAL DATA

8W LED  
20W (max.) T3  
Low Voltage

## ORDERING INFORMATION

Sample Number: 650-2-6LED4012-12-BZ

Series	Source (for LED, select from each column and combine)	Voltage	Finish	Options
650-1=3 11/16" Dia. Non-Adjustable Boca Inground Single (1) Opening 650-2=3 11/16" Dia. Non-Adjustable Boca Inground Dual (2) Opening 650-4=3 11/16" Dia. Non-Adjustable Boca Inground Quadruple (4) Opening	20MR11=12V MR11 20W max. GU4 (lamp not included)	12=12 Volt - Remote 12V transformer required (not included)	<b>Painted</b> BK=Black BZ=Bronze CS=City Silver VE=Verde WT=White <b>Premium Finish</b> NBR=Natural Brass NCP=Natural Copper NBZ=Natural Bronze* NSS=Natural Stainless Steel	LBB=Less Back Box (Order 650-BB recessed housing separately)
	8LED=8W LED 27=2700K 30=3000K 40=4000K 10=10° Spot			

Notes: 1. Remote 12V transformer required (not included). Available from Lumière as an accessory. See ACCESSORIES & TECHNICAL DATA section of the Lumière catalog for Low Voltage Cable & Transformers.

\* For natural bronze ROHS material consult factory.