

DESCRIPTION

The Boca 630 is a small 3" diameter inground fixture for use with a low voltage MR16 lamp. The non-adjustable beam provides a crisp, white halogen light source for grazing or uplighting in constricted areas. Designed for recess mounting in concrete, brick, stone or dirt it is suitable for drive-over applications.

Catalog #	Type
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

Material

Recessed housing is constructed from extruded aluminum. Trim ring is precision-machined from corrosion-resistant 6061-T6 aluminum.

Finish

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

Gasket

Recessed housing and trim ring are sealed with a high temperature silicone o-ring gasket to prevent water intrusion.

Lens

Minimum 1/4" thick tempered glass lens, factory sealed with high temperature adhesive to prevent water intrusion and breakage due to thermal shock. Suitable for drive-over applications.

Hardware

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

Socket

Ceramic socket with 250° C Teflon® coated lead wires and GU5.3 bi-pin base.

Electrical

Remote 12V transformer required (not included). Available from Lumière as an accessory - see the Accessories & Technical Data section of this catalog for details.

Lamp

Not included. Sora compatible - 6W Max.

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 from below:

630-BK-BB
recessed housing

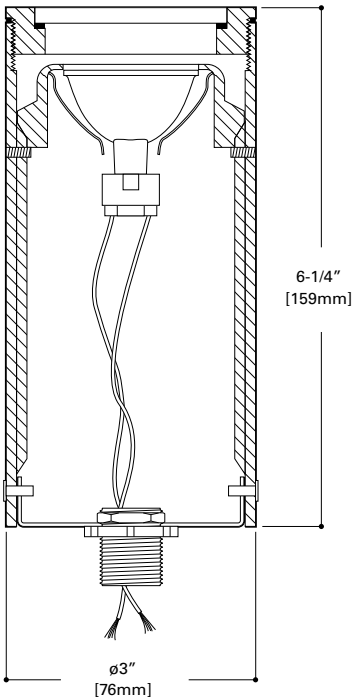


630

BOCA

HALOGEN

APPLICATIONS:
GROUND-MOUNT
RECESSED



CERTIFICATION DATA

UL and cUL Wet Location Listed
ROHS* Compliant
IP66 Ingress Protection Rated

TECHNICAL DATA

50W (max.) MR16
Low Voltage

ORDERING INFORMATION

Sample Number: 630-50MR16-12-BZ-T-LBB

Series	Source	Voltage	Finish	Options
630=3" dia. Non-Adjustable Boca Inground	50MR16=50W Max. Halogen MR16, GU5.3 Base	12=12V	Painted BK=Black BZ=Bronze CS=City Silver VE=Verde WT=White	LBB=Housing Shipped in Advance (select LBB option and order -BB Back Box Recessed Housing separately)

*For natural bronze ROHS material consult factory.

ACCESSORIES - ORDER SEPARATELY

Filters (2.00" Diameter)	Optical Lenses (2.00" Diameter)	Optical Louvers (2.00" Diameter)
F71 = Peach Dichroic F72 = Amber Dichroic F73 = Green Dichroic F74 = Medium Blue F75 = Yellow Dichroic F76 = Red Dichroic F77 = Dark Blue Dichroic F78 = Light Blue Dichroic F79 = Neutral Density Dichroic F80 = Magenta Dichroic F22 = Red Color F33 = Blue Color F44 = Green Color F55 = Yellow Color F66 = Mercury Vapor	LSL =Linear Spread Lens (elongates standard beam spread) DIF =Diffused Lens (provides even illumination) OSL =Overall Spread Lens (increases standard beam spread)	LVR =45° Hex Cell Louver (reduces glare)

PHOTOMETRIC DATA

Boca 630

Lamp=50MR16/NSP
(EXT)
CBCP=11,000

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
15'0"	45	4'0"
10'0"	102	3'0"
8'0"	159	2'0"
6'0"	283	1'6"
4'0"	638	1'0"
2'0"	2550	0'6"

Lamp Wattage Multiplier
20W x 0.32



Boca 630

Lamp=50MR16/NFL
(EXZ)
CBCP=3200

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
15'0"	13	10'0"
10'0"	29	6'6"
8'0"	45	5'0"
6'0"	81	4'0"
4'0"	181	2'6"
2'0"	725	1'0"

Lamp Wattage Multiplier
42W x 0.72



Boca 630

Lamp=50MR16/FL
(EXN)
CBCP=2000

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
15'0"	7	12'0"
10'0"	17	8'0"
8'0"	27	6'6"
6'0"	48	5'0"
4'0"	106	3'0"
2'0"	431	1'6"

Lamp Wattage Multiplier
20W x 0.30



Boca 630

Lamp=50MR16/WFL
(FNV)
CBCP=1200

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
15'0"	5	17'0"
10'0"	11	11'6"
8'0"	17	9'0"
6'0"	30	7'0"
4'0"	67	4'6"
2'0"	269	2'0"



LAMP INFORMATION

Lamp	ANSI Code	Watts	Beam Spread	CBCP	°K	Life (hrs.)	Base	Volts
50MR16/NSP	EXT	50	12°	11,000	3050	4000	GU5.3 bi-pin	12
50MR16/NFL	EXZ	50	25°	3200	3050	4000	GU5.3 bi-pin	12
50MR16/FL	EXN	50	40°	2000	3050	4000	GU5.3 bi-pin	12
50MR16/WFL	FNV	50	60°	1200	3050	4000	GU5.3 bi-pin	12

NOTE: Inferior quality lamps may adversely affect the performance of this product. Use only name brand lamps from reputable lamp manufacturers.

TECHNICAL INFORMATION

- Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
- Footcandle values are initial. Apply appropriate light loss factors where necessary.
- Bare lamp data shown. Consult lamp manufacturers to obtain detailed specifications for their lamps.