

the power of

MINI-MICRO™ FLOODLIGHT

PROJECT:	
TYPE:	
CATALOG NUMBER:	
SOURCE:	
NOTES:	

CATALOG NUMBER LOGIC

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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GET A QUOTE >

Example

MM - LED - e10 - SP - BZW - 12 - 11 - B - 360SL

Material

- Blank - Aluminum
- B - Brass
- S - Stainless Steel

Series

MM - Mini-Micro™ Floodlight

Source

LED - 'e' Technology with Integral Driver

LED Type

- e38 - 3WLED/2.7K
- e10 - 3WLED/3K
- e11 - 3WLED/4K
- e15 - 3WLED/Amber

Optics*

- SP - Spot (Green Indicator)
- FL - Flood (Blue Indicator)

Finish

Aluminum Finish

Powder Coat Color	Satin	Wrinkle
Bronze	BZP	BZW
Black	BLP	BLW
White (Gloss)	WHP	WHW
Aluminum	SAP	—
Verde	—	VER

Brass Finish

Machined	MAC
Polished	POL
Mitique™	MIT

Stainless Finish

Machined	MAC
Polished	POL
Brushed	BRU <small>Interior use only.</small>

Premium Finish

ABP	Antique Brass Powder	CMG	Cascade Mountain Granite	RMG	Rocky Mountain Granite
AMG	Aleutian Mountain Granite	CRI	Cracked Ice	SDS	Sonoran Desert Sandstone
AQW	Antique White	CRM	Cream	SMG	Sierra Mountain Granite
BCM	Black Chrome	HUG	Hunter Green	TXF	Textured Forest
BGE	Beige	MDS	Mojave Desert Sandstone	WCP	Weathered Copper
BPP	Brown Patina Powder	NBP	Natural Brass Powder	WIR	Weathered Iron
CAP	Clear Anodized Powder	OCP	Old Copper	<small>Also available in RAL Finishes See submittal SUB-1439-00</small>	

Lens Type

- 12 - Soft Focus Lens
- 13 - Rectilinear Lens

Shielding

- 11 - Honeycomb Baffle

Cap Style

- A - 45°
- B - 90°
- C - Flush
- D - 45° less Weep Hole (Interior Use Only)
- E - 90° less Weep Hole (Interior Use Only)

Option

360SL - 360SL™ Rotational Knuckle Mounting System

LM79 DATA

BK No.	CCT (Typ.)	Input Watts (Typ.)	CRI
e38	2700K	3.0	90
e10	3100K	3.0	90
e11	4100K	3.0	75
e15	Amber (590nm)	2.8	~

L70 DATA

Minimum Rated Life (hrs.) 70% of initial lumens (L70)
50,000
50,000
50,000
50,000

*OPTICAL DATA

Beam Type	Angle	Visual Indicator
Spot	16°	Green Dot
Flood	33°	Blue Dot

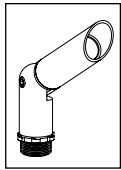
B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
 559.438.5800 • FAX 559.438.5900
 www.bklighting.com • info@bklighting.com

SUBMITTAL DATE
1-8-14

DRAWING NUMBER
SUB000931

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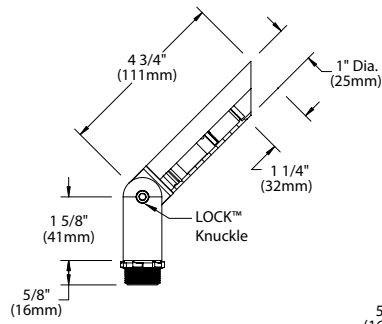


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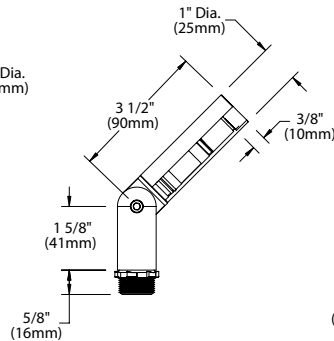
MINI-MICRO™ FLOODLIGHT

PROJECT:	
TYPE:	

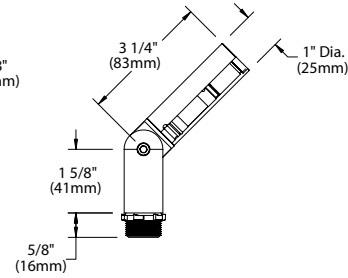
"A/D" CAP



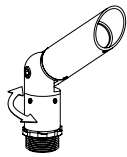
"B/E" CAP



"C" CAP



360 SL™

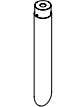


Horizontal Rotation
(Optional 360SL™ Knuckle)

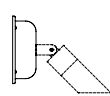
Accessories (Configure separately)

All dimensions indicated on this submittal are nominal. Contact Technical Sales if you require more stringent specifications.

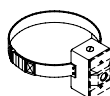
Mounting:



Power Pipe™



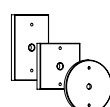
Power Canopy™



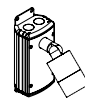
Tree Strap™



Stems

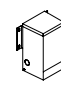


Canopies



UPM™

Remote Transformers:



TR Series



Power Pipe™



UPMRM™

SPECIFICATIONS

GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

Materials

Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

Body

Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

Knuckle

The LOCK™ (Locking 'O' Ring Compression Knuckle) is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a second, reverse angle taper. The resultant mechanical taper-lock allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb. static load prior to movement to ensure decades of optical alignment. 1/2" pipe thread for mounting.

Optional 360SL™ additionally provides biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

Cap

Fully machined. Accommodates [1] lens or louver media. Choose from 45° cutoff ('A' or 'D'), 3/8" deep bezel with 90° cutoff ('B' or 'E'), or flush lens ('C') cap styles. 'A' and 'B' caps include weep-hole for water and debris drainage. 'D' and 'E' caps exclude weep-hole and are for interior use only.

Lens

Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13) lens.

BKSSL®

Integrated solid state system with 'e' technology. High power, forward throw source complies with ANSI C78.377 binning requirements. Exceeds ENERGY STAR® lumen maintenance requirements. LM-80 certified components.

Integral non-dimming driver. Minimum 50,000 hour rated life at 70% of initial lumens (L70). BKSSL technology provides long life, significant energy reduction and exceptional thermal management.

Optics

OPTIKIT™ modules are color-coded for easy reference: Spot (SP) = Green. Flood (FL) = Blue.

Remote Transformer

For use with 12VAC BKSSL remote transformer.

Wiring

Teflon® coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

Hardware

Tamper-resistant, stainless steel hardware. LOCK™ aiming screw is additionally black oxide treated for additional corrosion resistance.

Finish

StarGuard®, our exclusive RoHs compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

Warranty

5 year limited warranty.

Certification and Listing


ITL tested to IESNA LM-79. Lighting Facts Registration per USDOE (www.lightingfacts.com). ETL Listed to ANSI/UL Standard 1838 and UL Standard 8750. Certified to CAN/CSA Standard C22.2 No. 9, CSA TIL B-58B. RoHs compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. Suitable for installation within 4' of the ground. IP66 Rated. Made in USA.



ETL is a registered trademark of DuPont Corporation. Energy Star is a registered trademark of the United States Environmental Protection Agency.

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		1-8-14	SUB000931

Mini Micro™ - Flood




A Program of the U.S. DOE

Light Output (Lumens)	111
Watts	3
Lumens per Watt (Efficacy)	37

Color Accuracy	68
Color Rendering Index (CRI)	

Light Color
Correlated Color Temperature (CCT) **4090 (Bright White)**



2700K 3000K 4500K 6500K


Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: GCXV-X6ZC1M (3/19/2012)
 Model Number: MM-LED-e11-FL-12-C
 Type: Other

Mini Micro Floodlight




A Program of the U.S. DOE

Light Output (Lumens)	98
Watts	3.01
Lumens per Watt (Efficacy)	32

Color Accuracy	69
Color Rendering Index (CRI)	

Light Color
Correlated Color Temperature (CCT) **4169 (Bright White)**



2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: GCXV-SZRFQG (8/16/2011)
 Model Number: MM-LED-C (Spot + Rectilinear)
 Type: Other