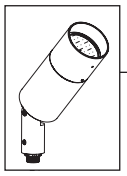

BKSSL SOLID STATE LIGHTING powered by XICATO Making sense with LEDs

THE POWER OF X

DENALI™ FLOODLIGHT

PROJECT:	
TYPE:	
CATALOG NUMBER:	
SOURCE:	
NOTES:	

CATALOG NUMBER LOGIC

DE	LED						

Example: DE - LED - x22 - FL - SAP - 12 - 11 - C

Series
- **DE** - Denali™ Floodlight

Source
- **LED** - 'X' Module with Cold Phosphor Technology

LED Type
- **x21** - 15WLED/2700K
- **x22** - 15WLED/3000K
- **x23** - 15WLED/4000K
- **x24** - 25WLED/2700K
- **x25** - 25WLED/3000K
- **x26** - 25WLED/4000K

Optics
- **SP** - Spot (20°)
- **FL** - Flood (40°)
- **WFL** - Wide Flood (60°)

Finish

Standard Finish

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

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	*Also available in RAL Finishes See submittal SUB-1439-00*

Lens Type
- **9** - Clear (Standard)
- **10** - Spread Lens*
- **12** - Soft Focus Lens*
- **13** - Rectilinear Lens*

Shielding
- **11** - Honeycomb Baffle*

**Accommodates up to 2 Lens/Shielding media*

Cap Style
- **A** - 45°
- **B** - 90°
- **C** - Flush
- **D** - 45° without Weep Hole *(Interior Use Only)*
- **E** - 90° without Weep Hole *(Interior Use Only)*

Configure Driver Housing Separately
Driver Housing Required

INTEGRAL DRIVER HOUSINGS:
- **HP2** - HP2 Housing
- **PM2** - Universal Power Module 2
- **PM2D** - Universal Power Module 2 Dual
- **PC** - Power Canopy
- **PPII** - Power Pipe II
- **TMB** - Pole Mount or Tenon Mount

REMOTE DRIVER HOUSINGS:
- **HP2RM** - HP2 Remote Housing
- **PM2RM** - Universal Power Module 2 Remote
- **PM2DRM** - Universal Power Module 2 Dual Remote
- **RM** - Remote Wall Mount
- **DRM** - Dual Remote Wall Mount

LM79 DATA

BK No.	CCT (Typ.)	CRI (Ra. Typ.)	Color Consistency	Input Watts (Typ.)
x21	2700K	>80	±40K	15
x22	3000K	>80	±50K	15
x23	4000K	>80	±70K	15
x24	2700K	>80	±40K	25
x25	3000K	>80	±50K	25
x26	4000K	>80	±70K	25

L70 DATA

Minimum Rated Life (hrs.) 70% of initial lumens (L_{70})
50,000
50,000
50,000
50,000
50,000
50,000

OPTICAL DATA

Beam Type	Angle
Spot	20°
Flood	40°
Wide Flood	60°

B-K LIGHTING

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www.bklighting.com • info@bklighting.com

SUBMITTAL DATE	DRAWING NUMBER
3-12-12	SUB001113

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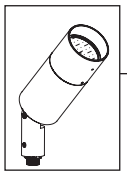


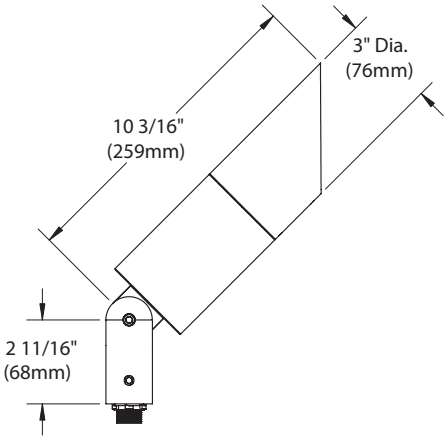
BKSSL SOLID STATE LIGHTING powered by XICATO Making sense with LEDs

THE POWER OF X

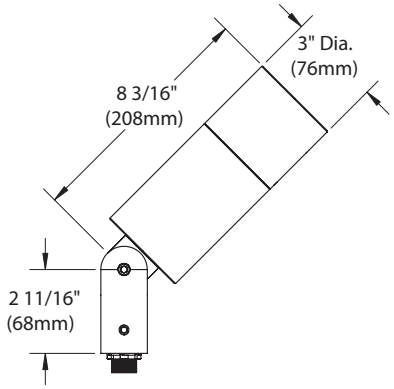
DENALI™ FLOODLIGHT

PROJECT:	
TYPE:	

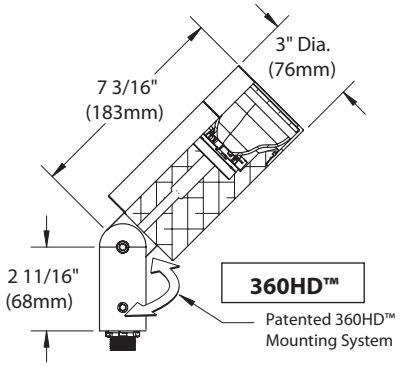
"A/D" CAP



"B/E" CAP



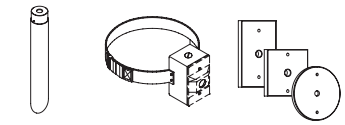
"C" CAP



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

Accessories *(Configure separately)*

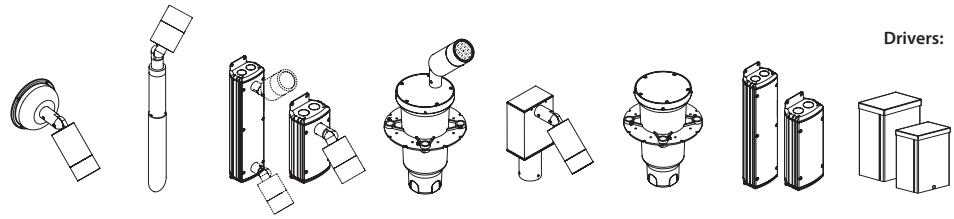
Mounting:



Power Pipe™ | Tree Strap™ | Canopies

Drivers *(Configure separately)*

Drivers:



Power Canopy™ | Power Pipe™ | PM2D & PM2 | HP2 | TMB | HP2RM | PM2DRM & PM2RM | RM & DRM

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).

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
Patented 360HD™ Mounting System features a mechanical taper-lock, which 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. ½" pipe thread for mounting. Biaxial source control additionally provides 360° horizontal rotation in addition to vertical adjustment. 'Aim-And-Lock' Technology allows precision adjustment without the redundant tightening and loosening of knuckle screw.

Cap
Fully machined. Accommodates [2] lens or louver media. Choose from 45° cutoff ('A' or 'D'), 1" 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.

BKSSL™
Integrated solid state system with 'x' technology is scalable for field upgrade. Modular design with electrical quick disconnects permit field maintenance.

LM-80 certified. Minimum 50,000 hour rated life at 70% of initial lumens (L70). BKSSL technology provides long life, significant energy reduction and exceptional thermal management.

Color Management
Corrected cold phosphor technology delivers near-perfect natural white light. Long term phosphor maintenance over product life. Exact color point conformity exceeds ANSI C78.377 standard. Provides uniform beam with no color variation over angle. Module exceeds 80 CRI (RA>80, R9>16).

Remote Driver
For use with remote LED driver. See remote driver submittal to determine remote distance and wiring requirements prior to detailing field installation of any remote wiring.

Optics
Interchangeable OPTIKIT™ modules permit field changes to optical distribution.

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

Hardware
Tamper-resistant, stainless steel hardware. 360HD™ hardware 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.

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 Standards 1598, 8750 and Certified to CAN/CSA Standard C22.2 No. 250. RoHs compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. Additionally suitable for installation within 4' of the ground. IP66 Rated. Made in USA.

ETL Intertek | MADE IN THE USA | lighting facts | RoHS

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

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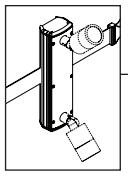
SUBMITTAL DATE	DRAWING NUMBER
3-12-12	SUB001113

360HD Patent is covered in whole or in part by U.S. Patent No. 6,161,948



UNIVERSAL POWER MODULE
UPM

BK SSL SOLID STATE LIGHTING *Constant Current Driver*

PM2 DUAL TREE STRAP™

PROJECT:	

TYPE:	
CATALOG NUMBER:	
LAMP(S):	
NOTES:	

CATALOG NUMBER LOGIC

PM2D			MT	

Example **PM2D - TS-30 - D15/D15 - MT - SC**

Series

PM2D - Universal Power Module 2 Dual (specify fixtures separately)

Mounting

TS - Length - Tree Strap™ (Specify Adjustable Strap Length) Minimum 3″ Adjustable Strap (Standard)

Driver Type *(2 driver choices requred with PM2DRM)*

D15 - 15W Driver
D25 - 25W Driver

Input Voltage

MT - 120/208/240/277 Multi Tap

Options

SC - Safety Cable. For use with Tree Strap™ (TS) mount. Cable length to match strap length.
MB - Mounting Brackets

DRIVER ELECTRICAL DATA

TYPE	AC INPUT RANGE	Frequency Hz	DIMMING	POWER FACTOR	THD	OPER. AMBIENT TEMPERATURE
D15	120/208/240/277	50/60	NO	>0.92	<20%	-30° C ~ 50°C
D25	120/208/240/277	50/60	NO	>0.92	<20%	-30° C ~ 50°C

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SUBMITTAL DATE	DRAWING NUMBER
2-23-12	SUB000800.1

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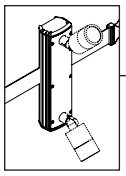


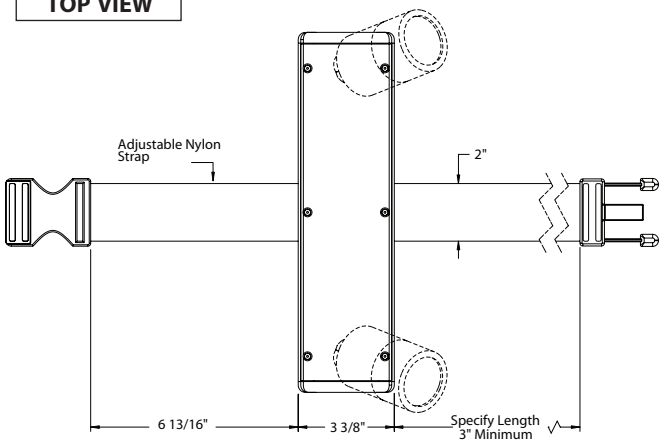
UNIVERSAL POWER MODULE
UPM

BKSSL SOLID STATE LIGHTING *Constant Current Driver*

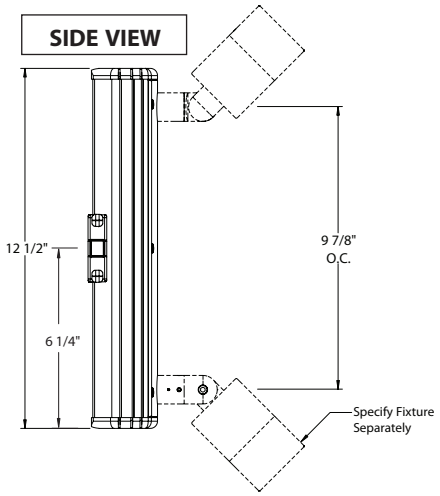
PM2 DUAL TREE STRAP™

PROJECT:	
TYPE:	

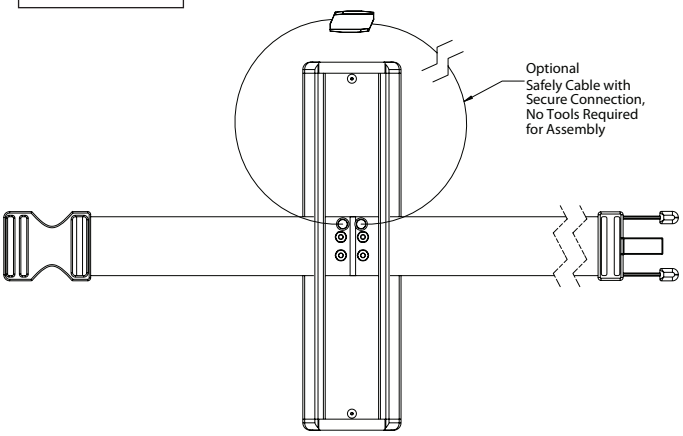
TOP VIEW



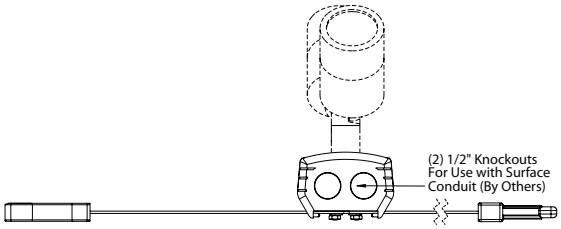
SIDE VIEW



SAFETY CABLE



END VIEW



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.

Tree Installation
Tree Strap™ mounting system facilitates non-invasive installation. Adjustable nylon strap is mold and mildew resistant and will not hinder tree growth. Optional stainless steel safety cable maintains UPM mounting when nylon strap is disengaged.

Housing
Copper free, aluminum extrusion with die cast end caps. Surface mounted with flow through back channel to prevent water and debris collection. Machined aluminum cover with countersunk holes for flush hardware installation. Tamper-resistant, captive, black oxide stainless steel mounting screws. Front access for ease of installation and inspection. [2] 1/2" NPT female conduit entries per end cap for through wiring.

Installation Tether
Stainless steel cable with integral loop allows cover to temporarily suspend from housing during installation to simplify wire connection and component attachment.

Patented Knockouts
[4] 1/2" NPT, machined aluminum knockouts. High temperature, silicone 'O' Ring for water-tight seal. Patented design allows knockout to be reinserted without compromising seal integrity.

Driver
[2] 700mA, constant current driver. 120V, 208V, 240V, or 277V primary voltage. 50/60Hz. Non-dimming. >0.92 Power Factor, <20% THD, Efficiency >85% (Typical). Over-voltage, over-current and short circuit protection.

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. Finish to match fixture.

Warranty
5 year limited warranty.

Listings
NEMA 4X / IP-66 Rated Enclosure. ETL Listed to ANSI/UL Standard 50/50E and Certified to CAN/CSA Standard C22.2 No. 94.1/94.2. RoHs compliant. Made in USA.

ETL Intertek MADE IN THE USA RoHS

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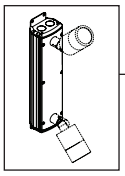
SUBMITTAL DATE	DRAWING NUMBER
2-23-12	SUB000800.1

UPM's Patented knockouts are covered by U.S. Patent No. 6,940,012 B2



UNIVERSAL POWER MODULE
UPM

BK SSL SOLID STATE LIGHTING *Constant Current Driver*

PM2 DUAL SURFACE MOUNT

PROJECT:	
TYPE:	
CATALOG NUMBER:	
LAMP(S):	
NOTES:	

CATALOG NUMBER LOGIC

PM2D	SM		MT

Example **PM2D - SM - D15/D15 - MT**

Series

PM2D - Universal Power Module 2 Dual (specify fixtures separately)

Mounting

SM - Surface Mount (requires side conduit entry)

Driver Type *(2 driver choices requred with PM2DRM)*

D15 - 15W Driver
D25 - 25W Driver

Input Voltage

MT - 120/208/240/277 Multi Tap

DRIVER ELECTRICAL DATA

TYPE	AC INPUT RANGE	Frequency Hz	DIMMING	POWER FACTOR	THD	OPER. AMBIENT TEMPERATURE
D15	120/208/240/277	50/60	NO	>0.92	<20%	-30° C ~ 50°C
D25	120/208/240/277	50/60	NO	>0.92	<20%	-30° C ~ 50°C

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SUBMITTAL DATE 2-23-12

DRAWING NUMBER SUB000800.2

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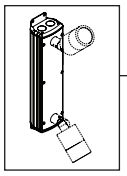


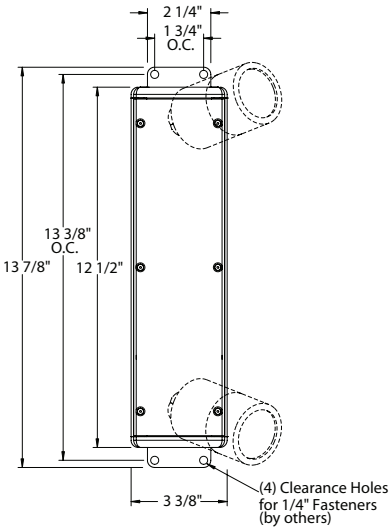
UNIVERSAL POWER MODULE
UPM

BKSSL SOLID STATE LIGHTING *Constant Current Driver*

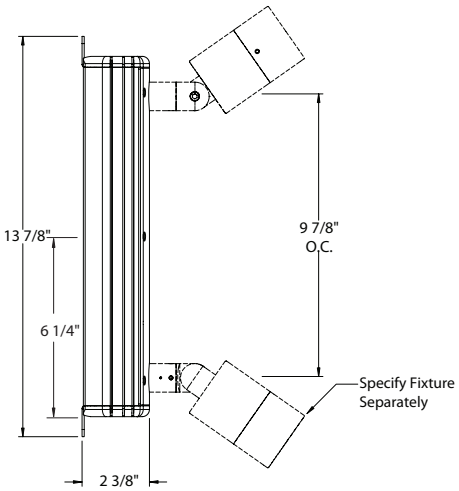
PM2 DUAL SURFACE MOUNT

PROJECT:	
TYPE:	

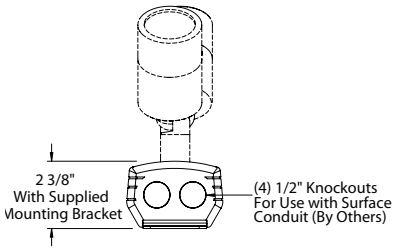
TOP VIEW



SIDE VIEW



END VIEW



SPECIFICATIONS

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Surface Mount
For use with side entry, surface conduits. Stainless steel mounting brackets provide for direct anchor to architectural surfaces in any orientation.

Housing
Copper free, aluminum extrusion with die cast end caps. Surface mounted with flow through back channel to prevent water and debris collection. Machined aluminum cover with countersunk holes for flush hardware installation. Tamper-resistant, captive, black oxide stainless steel mounting screws. Front access for ease of installation and inspection. [2] 1/2" NPT female conduit entries per end cap for through wiring.

Installation Tether
Stainless steel cable with integral loop allows cover to temporarily suspend from housing during installation to simplify wire connection and component attachment.

Patented Knockouts
[4] 1/2" NPT, machined aluminum knockouts. High temperature, silicone 'O' Ring for water-tight seal. Patented design allows knockout to be reinserted without compromising seal integrity.

Driver
[2] 700mA, constant current driver. 120V, 208V, 240V, or 277V primary voltage. 50/60Hz. Non-dimming. >0.92 Power Factor, <20% THD, Efficiency >85% (Typical). Over-voltage, over-current and short circuit protection.

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. Finish to match fixture.

Warranty
5 year limited warranty.

Listings
NEMA 4X / IP-66 Rated Enclosure. ETL Listed to ANSI/UL Standard 50/50E and Certified to CAN/CSA Standard C22.2 No. 94.1/94.2. RoHs compliant. Made in USA.

ETL Intertek · MADE IN THE USA · RoHS

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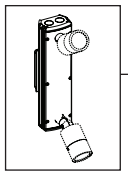
SUBMITTAL DATE	DRAWING NUMBER
2-23-12	SUB000800.2

UPM's Patented knockouts are covered by U.S. Patent No. 6,940,012 B2



UNIVERSAL POWER MODULE
UPM

BKSSL SOLID STATE LIGHTING *Constant Current Driver*

PM2 DUAL JUNCTION BOX (CAMLOCK™)

PROJECT:	

TYPE:	
CATALOG NUMBER:	
LAMP(S):	
NOTES:	

CATALOG NUMBER LOGIC

PM2D	CT		MT	

Example **PM2D - CT - D25/D25 - MT -**

Series

PM2D - Universal Power Module 2 Dual (specify fixtures separately)

Mounting

CT - Rectangular CamLock™
CR - Round CamLock™

Driver Type *(2 driver choices requred with PM2DRM)*

D15 - 15W Driver
D25 - 25W Driver

Input Voltage

MT - 120/208/240/277 Multi Tap

Option

MB - Mounting Brackets

DRIVER ELECTRICAL DATA

TYPE	AC INPUT RANGE	Frequency Hz	DIMMING	POWER FACTOR	THD	OPER. AMBIENT TEMPERATURE
D15	120/208/240/277	50/60	NO	>0.92	<20%	-30° C ~ 50°C
D25	120/208/240/277	50/60	NO	>0.92	<20%	-30° C ~ 50°C

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SUBMITTAL DATE	DRAWING NUMBER
2-23-12	SUB000800.3

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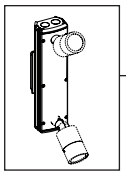


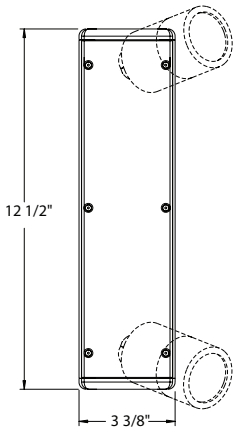
UNIVERSAL POWER MODULE
UPM

BK SOLID STATE LIGHTING *Constant Current Driver*

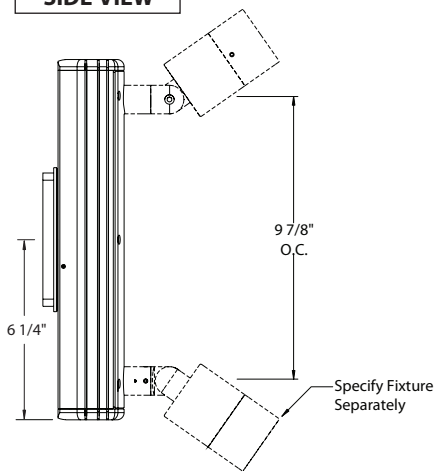
PM2 DUAL JUNCTION BOX (CAMLOCK™)

PROJECT:	
TYPE:	

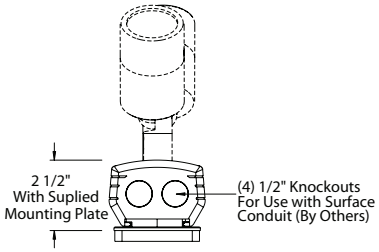
TOP VIEW



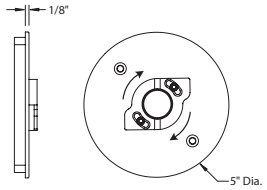
SIDE VIEW



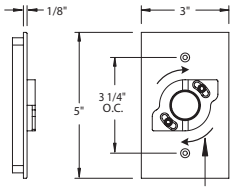
END VIEW



ROUND CAMLOCK™ CANOPY



RECTANGULAR CAMLOCK™ CANOPY



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.

Round CamLock™ Canopy (Recessed Junction Box)
5″ diameter, machined aluminum construction. Includes stainless steel universal mounting ring for use with 4″ octagonal junction box. [2] tamper-resistant, black oxide stainless steel mounting screws. 1/8″ thick HT-805A silicone foam gasket for water-tight seal. Integral CamLock™ provides additional 30° adjustment for precision alignment of UPM regardless of junction box orientation. Integral wiper seal maintains water-tight integrity between UPM and junction box. Optional stainless steel mounting brackets may be specified to provide additional anchor to architectural surface.

Rectangular CamLock™ Canopy (Recessed Junction Box)
Machined aluminum, 3″ x 5″ rectangular canopy for use with single gang junction box. [2] tamper resistant, black oxide stainless steel mounting screws. 1/8″ thick HT-805A silicone foam gasket for water-tight seal. Integral CamLock™ provides additional 30° adjustment for precision alignment of UPM regardless of junction box orientation. Integral wiper seal maintains water-tight integrity between UPM and junction box. Optional stainless steel mounting brackets may be specified to provide additional anchor to architectural surface.

Housing
Copper free, aluminum extrusion with die cast end caps. Surface mounted with flow through back channel to prevent water and debris collection. Machined aluminum cover with countersunk holes for flush hardware installation. Tamper-resistant, captive, black oxide stainless steel mounting screws. Front access for ease of installation and inspection. [2] 1/2″ NPT female conduit entries per end cap for through wiring.

Installation Tether
Stainless steel cable with integral loop allows cover to temporarily suspend from housing during installation to simplify wire connection and component attachment.

Patented Knockouts
[4] 1/2″ NPT, machined aluminum knockouts. High temperature, silicone 'O' Ring for water-tight seal. Patented design allows knockout to be reinserted without compromising seal integrity.

Driver
[2] 700mA, constant current driver. 120V, 208V, 240V, or 277V primary voltage. 50/60Hz. Non-dimming. >0.92 Power Factor, <20% THD, Efficiency >85% (Typical). Over-voltage, over-current and short circuit protection.

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. Finish to match fixture.

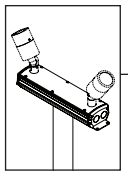
Warranty
5 year limited warranty.

Listings
NEMA 4X / IP-66 Rated Enclosure. ETL Listed to ANSI/UL Standard 50/50E and Certified to CAN/CSA Standard C22.2 No. 94.1/94.2. RoHs compliant. Made in USA.

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	DRAWING NUMBER
2-23-12	SUB000800.3

UPM's Patented knockouts are covered by U.S. Patent No. 6,940,012 B2



UNIVERSAL POWER MODULE
UPM

BKSSL SOLID STATE LIGHTING *Constant Current Driver*

PM2 DUAL MONUMENT (POWER PIPE™)

PROJECT:	

TYPE:	
CATALOG NUMBER:	
LAMP(S):	
NOTES:	

CATALOG NUMBER LOGIC

PM2D	MU		MT
PM2D -	**MU**	**-D25/D25 -**	**MT**

Example **PM2D - MU -D25/D25 - MT**

Series

PM2D - Universal Power Module 2 Dual (specify fixtures separately)

Mounting

MU - Monument Mount UPM with 18" Power Pipe™

Driver Type *(2 driver choices requred with PM2DRM)*

D15 - 15W Driver
D25 - 25W Driver

Input Voltage

MT - 120/208/240/277 Multi Tap

DRIVER ELECTRICAL DATA

TYPE	AC INPUT RANGE	Frequency Hz	DIMMING	POWER FACTOR	THD	OPER. AMBIENT TEMPERATURE
D15	120/208/240/277	50/60	NO	>0.92	<20%	-30° C ~ 50°C
D25	120/208/240/277	50/60	NO	>0.92	<20%	-30° C ~ 50°C

B-K LIGHTING

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SUBMITTAL DATE	DRAWING NUMBER
2-23-12	SUB000800.4

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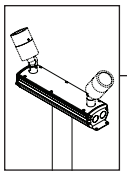


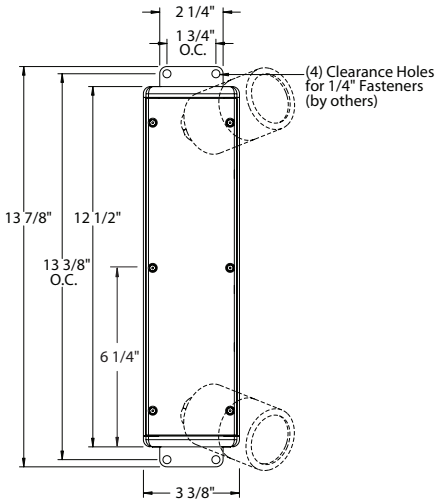
UNIVERSAL POWER MODULE
UPM

BKSSL SOLID STATE LIGHTING *Constant Current Driver*

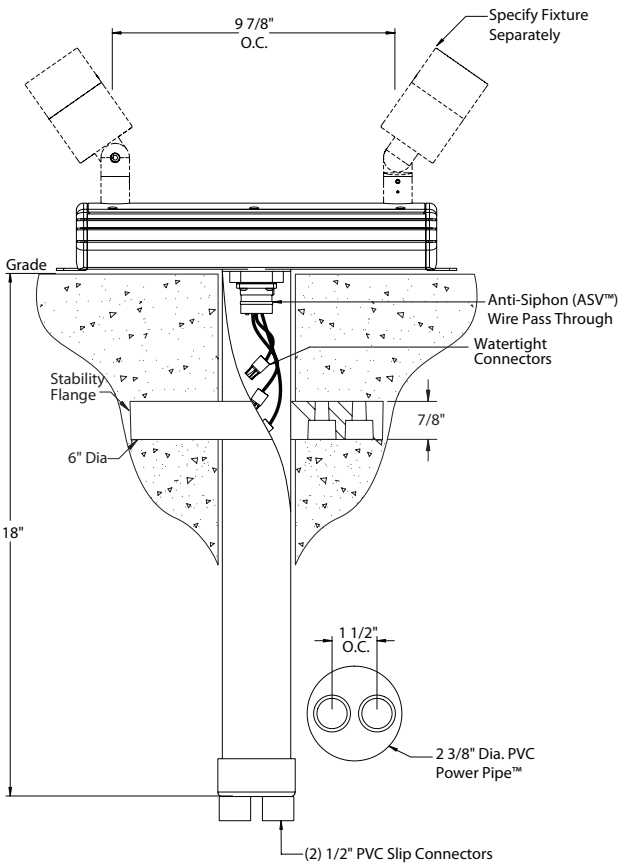
PM2 DUAL MONUMENT (POWER PIPE™)

PROJECT:	
TYPE:	

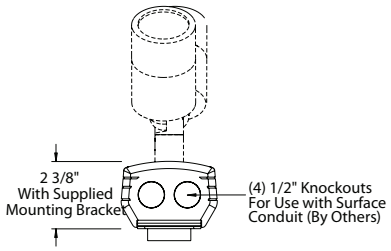
TOP VIEW



SIDE VIEW



END VIEW



SPECIFICATIONS

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Ground / Monument Installation
For use at grade level with integration of Power Pipe™ System, which provides direct burial wireway into concrete or soil. 6" dia., molded stability flange projects into substrate to simplify installation and reinforce housing stability. [2] 1/2" PVC slip connectors for through wiring. Includes stainless steel mounting brackets for additional anchor to architectural surface. Anti-Siphon Valve (ASV™) prevents "wicking" through conductor insulation. [3] Silicone filled wire nuts supplied for water-tight line connection. Maximum (2) #10 & (1) #18. Minimum (1) #12 & (1) #18.

Housing
Copper free, aluminum extrusion with die cast end caps. Surface mounted with flow through back channel to prevent water and debris collection. Machined aluminum cover with countersunk holes for flush hardware installation. Tamper-resistant, captive, black oxide stainless steel mounting screws. Front access for ease of installation and inspection. [2] 1/2" NPT female conduit entries per end cap for through wiring.

Installation Tether
Stainless steel cable with integral loop allows cover to temporarily suspend from housing during installation to simplify wire connection and component attachment.

Patented Knockouts
[4] 1/2" NPT, machined aluminum knockouts. High temperature, silicone 'O' Ring for water-tight seal. Patented design allows knockout to be reinserted without compromising seal integrity.

Driver
[2] 700mA, constant current driver. 120V, 208V, 240V, or 277V primary voltage. 50/60Hz. Non-dimming. >0.92 Power Factor, <20% THD, Efficiency >85% (Typical). Over-voltage, over-current and short circuit protection.

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. Finish to match fixture.

Warranty
5 year limited warranty.

Listings
NEMA 4X / IP-66 Rated Enclosure. ETL Listed to ANSI/UL Standard 50/50E and Certified to CAN/CSA Standard C22.2 No. 94.1/94.2. RoHs compliant. Made in USA.

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SUBMITTAL DATE	DRAWING NUMBER
2-23-12	SUB000800.4

UPM's Patented knockouts are covered by U.S. Patent No. 6,940,012 B2

LED lighting facts®
A Program of the U.S. DOE

Denali Series™ - Flood

Light Output (Lumens)	616
Watts	17.7
Lumens per Watt (Efficacy)	34
Color Accuracy Color Rendering Index (CRI)	79

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-D8PLTG (10/24/2011)
Model Number: DE-LED-X21-FL-9-C
Type: Other

LED lighting facts®
A Program of the U.S. DOE

Denali Series™

Light Output (Lumens)	603
Watts	17.5
Lumens per Watt (Efficacy)	34
Color Accuracy Color Rendering Index (CRI)	81

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.

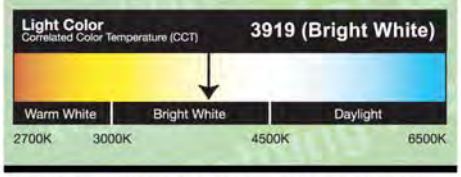
Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: GCXV-GCEYF3 (10/24/2011)
Model Number: DE-LED-X22-FL-9-C
Type: Other

LED lighting facts®
A Program of the U.S. DOE

Denali Series™ - Flood

Light Output (Lumens)	642
Watts	17.9
Lumens per Watt (Efficacy)	35
Color Accuracy Color Rendering Index (CRI)	81



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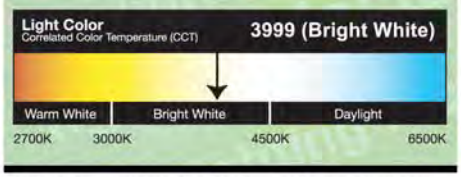
Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: GCXV-H2G16L (10/24/2011)
Model Number: DE-LED-X23-FL-9-C
Type: Other

LED lighting facts®
A Program of the U.S. DOE

Denali Series™ - Spot

Light Output (Lumens)	649
Watts	17.9
Lumens per Watt (Efficacy)	36
Color Accuracy Color Rendering Index (CRI)	81



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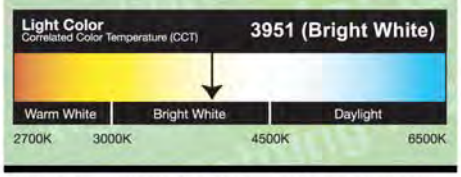
Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: GCXV-BM6YSA (10/24/2011)
Model Number: DE-LED-X23-SP-9-C
Type: Other

LED lighting facts®
A Program of the U.S. DOE

Denali Series™ - Wide Flood

Light Output (Lumens)	672
Watts	17.9
Lumens per Watt (Efficacy)	37
Color Accuracy Color Rendering Index (CRI)	81



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

Registration Number: GCXV-DNDGMK (10/24/2011)
Model Number: DE-LED-X23-WFL-9-C
Type: Other

LED lighting facts®
A Program of the U.S. DOE

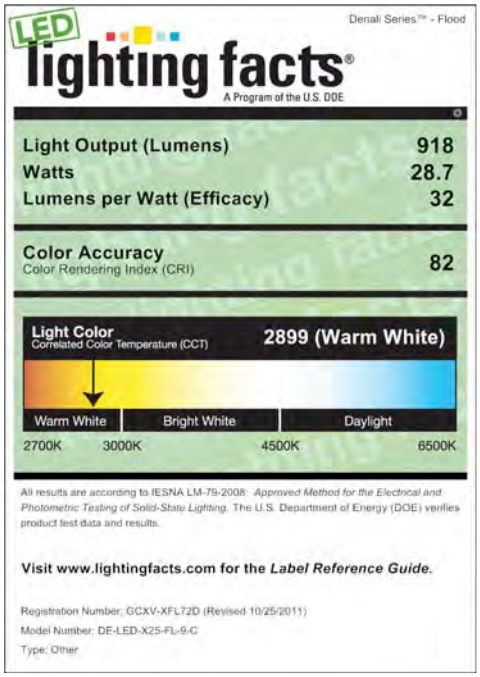
Denali Series™ - Flood

Light Output (Lumens)	927
Watts	28.2
Lumens per Watt (Efficacy)	32
Color Accuracy Color Rendering Index (CRI)	79

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-548M1Y (10/24/2011)
Model Number: DE-LED-X24-FL-9-C
Type: Other


Denali Series™ - Flood
LED
lighting facts®
A Program of the U.S. DOE
Light Output (Lumens) 918
Watts 28.7
Lumens per Watt (Efficacy) 32
Color Accuracy
Color Rendering Index (CRI) 82
Light Color
Correlated Color Temperature (CCT) 2899 (Warm White)
Warm White
Bright White
Daylight
2700K 3000K 4500K 6500K
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-XFL72D (Revised 10/25/2011)
Model Number: DE-LED-X25-FL-9-C
Type: Other

Denali Series™ - Flood
LED
lighting facts®
A Program of the U.S. DOE
Light Output (Lumens) 954
Watts 28.5
Lumens per Watt (Efficacy) 33
Color Accuracy
Color Rendering Index (CRI) 82
Light Color
Correlated Color Temperature (CCT) 3972 (Bright White)
Warm White
Bright White
Daylight
2700K 3000K 4500K 6500K
Warranty** Yes
All results, except LED Lumen Maintenance, 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.
** See www.lightingfacts.com/products for details.
Registration Number: GCXV-P6UYG7 (5/30/2012)
Model Number: DE-LED-X26-FL-9-C
Type: Other

Denali Series™ - Spot
LED
lighting facts®
A Program of the U.S. DOE
Light Output (Lumens) 971
Watts 28.5
Lumens per Watt (Efficacy) 34
Color Accuracy
Color Rendering Index (CRI) 82
Light Color
Correlated Color Temperature (CCT) 4043 (Bright White)
Warm White
Bright White
Daylight
2700K 3000K 4500K 6500K
Warranty** Yes
All results, except LED Lumen Maintenance, 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.
** See www.lightingfacts.com/products for details.
Registration Number: GCXV-YLXJVG (5/30/2012)
Model Number: DE-LED-X26-SP-9-C
Type: Other

Denali Series™ - Spot Rectilinear
LED
lighting facts®
A Program of the U.S. DOE
Light Output (Lumens) 1027
Watts 28.5
Lumens per Watt (Efficacy) 36
Color Accuracy
Color Rendering Index (CRI) 82
Light Color
Correlated Color Temperature (CCT) 4014 (Bright White)
Warm White
Bright White
Daylight
2700K 3000K 4500K 6500K
Warranty** Yes
All results, except LED Lumen Maintenance, 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.
** See www.lightingfacts.com/products for details.
Registration Number: GCXV-4H11T8 (5/30/2012)
Model Number: DE-LED-X26-SP-13-C
Type: Other

Denali Series™ - Wide Flood
LED
lighting facts®
A Program of the U.S. DOE
Light Output (Lumens) 1005
Watts 28.5
Lumens per Watt (Efficacy) 35
Color Accuracy
Color Rendering Index (CRI) 83
Light Color
Correlated Color Temperature (CCT) 4005 (Bright White)
Warm White
Bright White
Daylight
2700K 3000K 4500K 6500K
Warranty** Yes
All results, except LED Lumen Maintenance, 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.
** See www.lightingfacts.com/products for details.
Registration Number: GCXV-XKPAH1 (5/30/2012)
Model Number: DE-LED-X26-WLF-9-C
Type: Other