

TENAYA

BKSSL SOLID STATE LIGHTING

THE POWER OF



IN-GRADE

PROJECT:	
TYPE:	
CATALOG NUMBER:	
SOURCE:	
NOTES:	

CATALOG NUMBER LOGIC



Example

B - TY2 - LED - x47 - NSP - MIT - 10 - D42 - MT - HD

Material

Blank - Aluminum B - Brass S - Stainless Steel

Faceplate

TY2 - Flush (Integral Concrete Pour Cover)

OptiLock®

LED - 'X' Technology with Chip on Board Construction

LED Type

- x43 - 31WLED/2700K
- x44 - 31WLED/3000K
- x45 - 31WLED/4000K
- x46 - 42WLED/2700K
- x47 - 42WLED/3000K
- x48 - 42WLED/4000K
- x49 - 52WLED/2700K
- x50 - 52WLED/3000K
- x51 - 52WLED/4000K

Optics

- NSP - Narrow Spot (18°)*
 - NFL - Narrow Flood (25°)
 - FL - Flood (40°)
 - WFL - Wide Flood (60°)
 - WW - Wall Wash*
- *Only available for x43, x44 and x45.

Finish

Aluminum & Brass Faceplates

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

Brass Faceplates

Machined	MAC
Polished	POL
Mitique™	MIT

Stainless Faceplates

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

Accessory Select up to 2. Requires Accessory Holder.

- 10 - Spread Lens
- 11 - Honeycomb Baffle
- 12 - Soft Focus Lens
- 13 - Rectilinear Lens

Driver Type

- D31 - 31W Dimming Driver (Standard Dimming 1-100%)
- D42 - 42W Dimming Driver (Standard Dimming 1-100%)
- D52 - 52W Dimming Driver (Standard Dimming 10-100%)
For use with 0-10 Dimmer.
- D31ARC - 31W Dimming Driver (Architectural Dimming 0.1-100%)
- D42ARC - 42W Dimming Driver (Architectural Dimming 0.1-100%)

Input Voltage

MT - 120/208/240/277 Multi Volt

Option

- AH - Accessory Holder (Accommodates up to 2 media)
 - DG - Dome Glass Lens (Replaces Flat Glass. Not Driveover Rated)
 - GM-R - Round Grout Mask
 - GM-S - Square Grout Mask
 - GS - Glare Shield*
 - HD - Half Dome*
 - IC - Internal Cutoff Louver
 - RG - Rock Guard*
 - RO - Rock Guard with Optical Opening*
 - TC - Traction Control Lens* (Replaces Flat Glass.)
 - XL - Extra Load Lens (Rated for 55,000 lb. GVW drive-over load)
- *Furnished in copper free aluminum. Finish to match faceplate. Dome lens included, replaces flat glass lens.

LM79 DATA

BK No.	Lumens (Source) (Tj=25°C)	CCT (Typ.)	CRI (Ra. Typ.)	Color Consistency	Input Watts (Typ.)
x43	3850	2700K	80	±60K	31
x44	4050	3000K	80	±60K	31
x45	4200	4000K	80	±60K	31
x46	5350	2700K	80	±60K	42
x47	5700	3000K	80	±60K	42
x48	5950	4000K	80	±60K	42
x49	6900	2700K	80	±60K	52
x50	7400	3000K	80	±60K	52
x51	7725	4000K	80	±60K	52

L70 DATA

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

OPTICAL DATA

Beam Type	Angle	x45 CBCP	x48 CBCP	x51 CBCP
Narrow Spot*	18°	24996	N/A	N/A
Narrow Flood	25°	7106	22712	28786
Flood	40°	5020	7154	9108
Wide Flood	60°	3525	4817	6187
Wall Wash*				

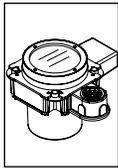
Only available for x43, x44, and x45

B-K LIGHTING

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RELEASED
08-25-15

DRAWING NUMBER
SUB-2145-00



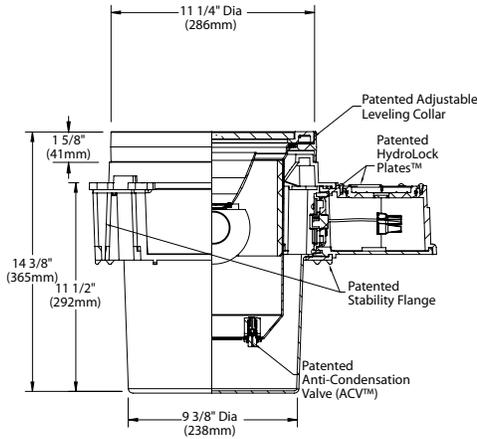
TENAYA2

BKSSL SOLID STATE LIGHTING

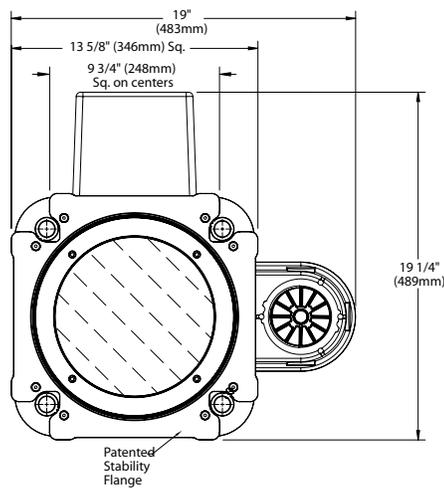


IN-GRADE

SIDE VIEW



TOP VIEW



PROJECT:
TYPE:

DRIVER ELECTRICAL DATA

Table with columns: TYPE, AC INPUT RANGE, Frequency Hz, DIMMING, POWER FACTOR AT FULL LOAD, THD, OPER. AMBIENT TEMPERATURE, DIMMER TYPE, DIMMER RANGE. Rows include D31, D42, D52, D31ARC, D42ARC.

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

SPECIFICATIONS

GreenSource Initiative

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced on site. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling.

Fixture Housing

Corrosion-free housing made from high strength, injection molded composite compound. Glass reinforced, flame retardant and UV stabilized.

Junction Box

Top mounted with dual access for wire connection and inspection. (2) bottom-entry 3/4 inch NPT female conduit entries with knockout plugs and (3) side flats for 1/2 inch or 3/4 inch conduit adapters.

Patented Stability Flange

Molded collar projects into installation sub-strate to reinforce housing stability. Integral REBAR saddles simplify installation onto concrete form.

Faceplate

5/8 inch thick machined A356 aluminum with (4) black oxidized, captive, stainless steel mounting screws.

Patented Adjustable Leveling Collar

Machined collar provides biaxial 4 degree tilt and 1 inch elevation adjustment (total travel) for correction of uneven housing installation.

Lens

Shock resistant, tempered 3/8 inch borosilicate flat glass. Suitable for walk-over and drive-over applications to 35,000 lbs. GVW.

Installation

Integral, copper-free aluminum concrete pour collar (CPC), permits for direct burial installation in soil or concrete.

Aiming

Dual axis OptiLock rotates 360 degrees and provides vertical adjustment up to 35 degrees. Stainless steel hex head screws provide positive lock action and ensures optical orientation.

BKSSL

Integrated solid state system with X technology is scalable for field upgrade. Modular design with electrical quick disconnects permit field maintenance.

Color Management

Chip on board technology delivers natural white light. Exact color point conformity exceeds ANSI C78.377 standard.

Optics

Interchangeable OPTIKIT modules permit field changes to optical distribution.

Driver Enclosure

IP-68 rated enclosure. 16AWG, direct burial electrical cables with watertight, molded electrical quick disconnects.

Driver (31-52W)

[1] 1.05A (D31, D42) or 1.4A (D52), Class A, constant current driver. 120-277VAC (nominal) primary input voltage. 50/60Hz. >0.90 Power Factor, <15.0A in-rush current, <=20%THD (nominal at 120VAC full load).

EMC: FCC47CFR Part 15 Class B compliant. Dimming driver for use with standard 0-10V dimmers and switch controls.

Wiring / Connectors

Teflon coated wire, 18AWG, 600V, 250C rated and certified to UL1659 standard. (3) silicone filled connectors supplied for line connection.

Patented Water Management Features

Self Evacuating Airtight Lamp Module (S.E.A.L.). IP-68 rated, vacuum sealed enclosure. Molded, solid silicone faceplate gasket. Patented Anti-Condensation Valve (ACV) eliminates condensation from optical chamber and transformer enclosure.

Patented HydroLock technology provides fail safe water barrier between junction box and interior components. Anti-Siphon Valve (ASV) prevents wicking through conductor insulation.

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.

Listings

ITL tested to IESNA LM-79. Lighting Facts Registration per USDOE (www.lightingfacts.com). ETL Listed to ANSI/UL Standard 1598, UL Subject 8750 and Certified to CAN/CSA Standard C22.2 No. 50. RoHS compliant.



Teflon is a registered trademark of DuPont Corporation.

B-K LIGHTING 40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com RELEASED 08-25-15 DRAWING NUMBER SUB-2145-00

Tenaya2 and its features are covered in whole or in part by U.S. Patent No. 7,175,297; U.S. Patent No. 7,033,038; U.S. Patent No. 6,254,258 B1; U.S. Patent No. 7,553,042; and U.S. Patent No. 7,560,148.