10

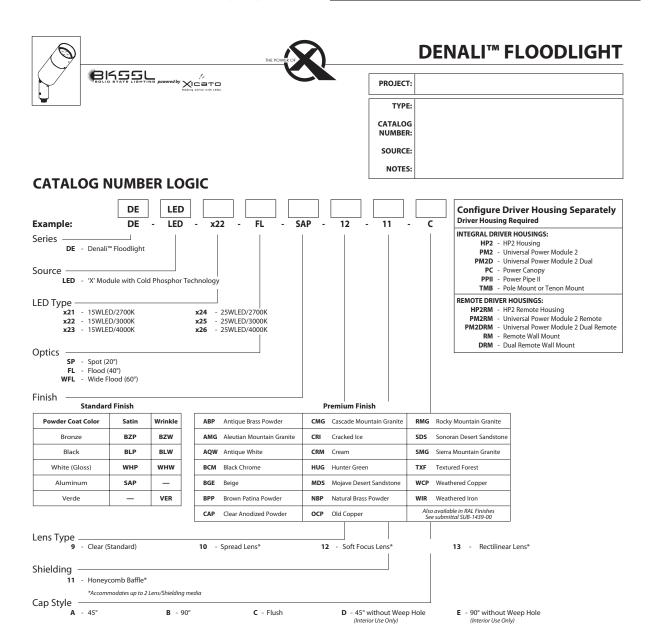


The Denali Series™ floodlight is a powerful, yet innovative solid-state lighting fixture designed to deliver higher lumen output and unprecedented color consistency. Incorporating our new'X' technology, Denali™ Floodlight utilizes Patented "Color Corrected Cold Phosphor" technology to deliver near-perfect natural white light while maintaining 'lifetime' color consistency. It's universal design accommodates a variety of remote and integral driver mounting options.





The Press Hotel

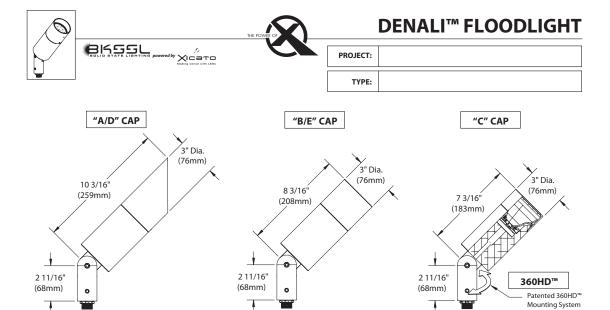


.M79 DA	TA	L70 DATA	OPTICAL	OPTICAL DATA			
BK No. CCT CRI (Typ.) (Ra. Typ.)		Color Consistency	Input Watts (Typ.)	Minimum Rated Life (hr 70% of initial lumens (L-		oe Angle	
x21	2700K	>80	±40K	15	50,000	Spot	20°
x22	3000K	>80	±50K	15	50,000	Flood	40°
x23	4000K	>80	±70K	15	50,000	Wide Floo	d 60°
x24	2700K	>80	±40K	25	50,000		
x25	3000K	>80	±50K	25	50,000		
x26	4000K	>80	±70K	25	50,000		
B-I	K LI	GHT	ING	40429 Brickyard Drive • M 559.438.5800 • Fo www.bklighting.com •	AX 559.438.5900	SUBMITTAL DATE 3-12-12	DRAWING NUMB

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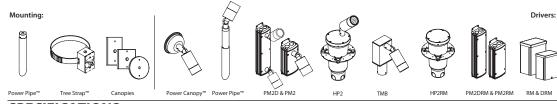
The Press Hotel



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

Accessories (Configure separately)

Drivers (Configure separately)



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). Consultwww.bklighting.com/greensource for program requirements.

Furnished in Copper-Free Aluminum (Type 6061-T6).

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 compressive resistance to maintain future 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. ¼im-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

Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment.

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.

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

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
I'll tested to IESNA LM-79. Lighting Facts Registration per USDDE
(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.







registered trademark of DuPont Corporation. ar is a registered trademark of the United States Environmental

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SUBMITTAL DATE 3-12-12

DRAWING NUMBER SUB001113

The Press Hotel





NEMA 3R Remote Driver Housing

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

CATALOG NUMBER LOGIC

		RM] [] [] [
Example		RM	-	D25	- '	МТ	- '	SAP
Remote Driv	ver Housing ———— Remote Mount (NEMA 3	BR)						
Driver Type								
D15 -	15W Driver (non-dimming) 15W Dimming Driver (fo *120V only		ncande	scent Dimn	ner)*			
	25W Driver (non-dimming) 25W Dimming Driver (fo *120V only		ncande	scent Dimn	ner)*			
Input Voltag	e	h D15INC as	nd D25	INC only)				
	120-277 VAC Input	ii Di Silve di	IG D23	ii (Coilly)				
Finish ——								

Premium Finish

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

Standard Finish

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

REMOTE WIRING

LED Driver

Remote driver installations require inter-connected nemote unver installations require inter-connected wiring between the LED and driver (by others). Drivers have specific wiring requirements between these components. Driver manufacturers regularly recommend the following wiring details for such installations:

• Do not exceed 50 foot overall wiring distance using 12 gauge copper wire.

Failure to comply with specific wiring requirements will void product warranty.

DRIVER ELECTRICAL DATA

TYPE	AC INPUT RANGE	Frequency Hz	DIMMING	POWER FACTOR	THD	OPER. AMBIENT TEMPERATURE	DIMMER TYPE	DIMMER RANGE
D15	120/208/240/277	50/60	NO	>0.92	≤20%	-30° C ~ 50°C	_	_
D15INC	120	50/60	YES	>0.96	≤20%	-30° C ∼ 60°C	Incandescent	10-100%
D25	120/208/240/277	50/60	NO	>0.92	≤20%	-30° C ~ 50°C	_	_
D25INC	120	50/60	YES	>0.96	≤20%	-30° C ∼ 60°C	Incandescent	10-100%
•								

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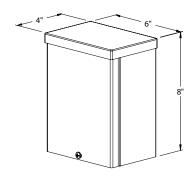


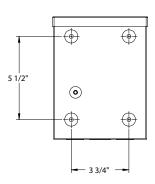
NEMA 3R Remote Driver Housing

PROJECT:	
TYPE:	

SIDE VIEW

BACK VIEW





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.

Nema 3R, surface mount design. For use with remote fixture (specified separately).

HousingSteel construction with screw cover. Front access for ease of installation and inspection. [2] bottom entry,

Wiring / ConnectorsTeflon® coated wire, 18 gauge, 600V, 250°C rated and certified to UL1659 standard. Pre-wired and labeled terminal strip.

Driver
[1] 700mA, 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). Output over-voltage, over-current, and short circuit protection with auto recovery. EMC: FCC47CFR Part 15 Class B compliant.

Dimming driver for use with standard incandescent dimmers. 10-100% range.

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.

ListingsNEMA 3R 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.





®Teflon is a registered trademark of DuPont Corporation.

B-K LIGHTING

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SUBMITTAL DATE 12-21-12

DRAWING NUMBER SUB001124

TYPE: KE1

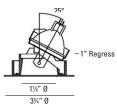
The Press Hotel

Sliver Low Voltage Halogen

Adjustable



7857 7859 7875





LUMINAIRE INFORMATION

APPLICATION

Accent luminaire for Residential, Commercial, Retail or Hospitality environments.

MATERIALS:

Trim: Die cast aluminum / steel. Torsion spring mounting. Lens: Clear.

7857 - Chrome cone

7859 - White cone 7875 - Vertical groove black baffle

LAMP: (not included) When using IR lamps, 37W Max. (1) 50W max. MR16 GU5.3

TRANSFORMER:

Low voltage solid state electronic.

Note: Due to transformer / dimmer match some dimmers may cause transformer hum. Check with dimmer manufacturer for suitability.

ADJUSTMENT:

360° horizontal and 25° vertical tilt. 40° tilt available, consult factory.

VOLTAGE:

Specify 120V or 277V.

CEILING CUT OUT:

33/8" Ø

LISTINGS:

Dry/damp location.



IC/Airtight housing meets Washington state airflow requirement and ASTM E283.

IBEW union made.

NOTES:

- Maximum ceiling thickness 1 inch.
- Consult factory for other ceiling conditions.

 Maximum 2 lens options (size A).
- Use 325CCR trimless adapter for a smooth flush Sliver installation.

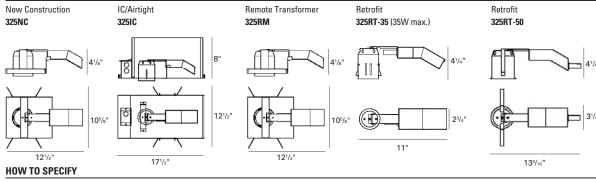


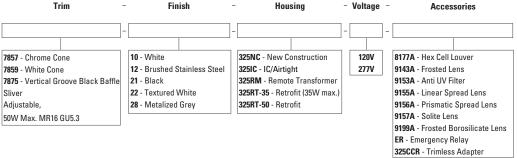
PHOTOMETRICS:
Distribution chart



LTL No.: 13826.ies 50W MR16 GU5.3 40° (tilted 25°) Clear lens 58.8% Efficiency

HOUSING INFORMATION





USAI®

www.usailighting.com info@usailighting.com 1126 River Road New Windsor, NY 12553 T 845-565-8500 F 845-561-1130 © 2011. USAI, LLC. All rights reserved. All designs protected by copyright Revised 07/08/2011



The Press Hotel

Recessed wall luminaire

Housing: One piece die cast aluminum housing with integral wiring compartment.

Enclosure: One piece die cast aluminum faceplate, 1/6" thick, etched tempered glass lens. Faceplate is secured by four (4) flush, socket head, stainless steel, captive screws threaded into stainless steel inserts in the housing casting. Continuous high temperature O-ring gasket for weather tight operation.

Electrical: 10.1 W LED luminaire, 11.8 total system watts, -30° C start temperature. Integral 120V through 277V electronic LED driver, 0 -10V dimming available. The LED and driver are mounted on a removable plate for easy replacement. Standard LED color temperature is 3000K (available in 4000K; add suffix K4). Through Wiring: Maximum four (4) No. 12 AWG conductors (plus ground) suitable for 75° C. Provided with ½" NPT threaded conduit entries.

Note: Due to the dynamic nature of LED technology, LED luminaire data on this sheet is subject to change at the discretion of BEGA-US. For the most current technical data, please refer to www.bega-us.com.

Finish: These luminaires are available in four standard BEGA colors: Black (BLK); White (WHT); Bronze (BRZ); Silver (SLV). To specify, add appropriate suffix to catalog number. Custom colors supplied on special order.

UL listed, suitable for wet locations and for installation within 3 feet of ground. Type non-IC. Protection class: IP65.

Luminaire Lumens: 34

Tested in accordance with LM-79-08

Type:
BEGA Product #:
Project:
Voltage:
Color:
Options:
Modified:





BEGA-US 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 FAX (805) 566-9474 www.bega-us.com ©copyright BEGA-US 2012 Updated 10/12



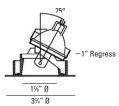
The Press Hotel

Sliver Low Voltage Halogen

Adjustable



7857 7859 7875





LUMINAIRE INFORMATION

Accent luminaire for Residential, Commercial, Retail or Hospitality environments.

MATERIALS:

Trim: Die cast aluminum / steel. Torsion spring mounting. Lens: Clear.

7857 - Chrome cone

7859 - White cone 7875 - Vertical groove black baffle

LAMP: (not included) When using IR lamps, 37W Max. (1) 50W max. MR16 GU5.3

TRANSFORMER:

Low voltage solid state electronic. Note: Due to transformer / dimmer match some dimmers may cause transformer hum. Check with dimmer manufacturer for suitability.

ADJUSTMENT:

360° horizontal and 25° vertical tilt. 40° tilt available, consult factory.

VOLTAGE:

Specify 120V or 277V.

CEILING CUT OUT:

33/8" Ø

LISTINGS:

Dry/damp location.

C(VL) US LISTED

IC/Airtight housing meets Washington state airflow requirement and ASTM E283. IBEW union made.

- Maximum ceiling thickness 1 inch. Consult factory for other ceiling conditions.
- Maximum 2 lens options (size A).
- Use 325CCR trimless adapter for a smooth flush Sliver installation.

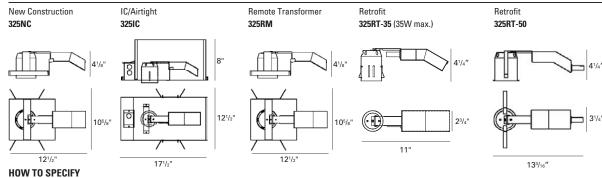
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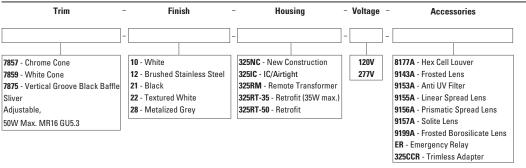
Distribution chart



LTL No.: 13826.ies 50W MR16 GU5.3 40° (tilted 25°) Clear lens 58.8% Efficiency

HOUSING INFORMATION







www.usailighting.com info@usailighting.com

New Windsor, NY 12553

1126 River Road

T 845-565-8500 F 845-561-1130

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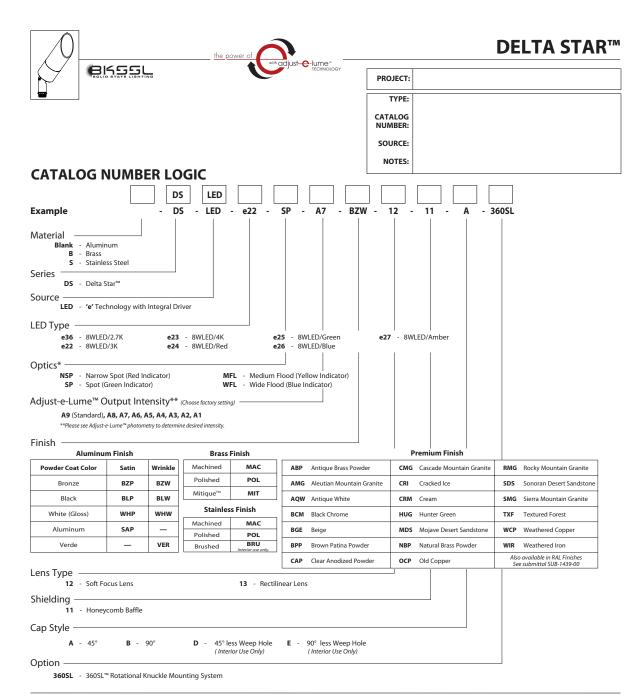




TYPE: KE7



The Press Hotel



LM70 DATA	170 DATA	*ODTICAL DATA
LM79 DATA	L70 DATA	*OPTICAL DATA

BK No.	CCT (Typ.)	Input Watts (Typ.)	CRI (Typ.)	Minimum Rated Life (hrs.) 70% of initial lumens (L ₇₀)	Beam Type	Angle	Visual Indicator
e36	2700K	8.4	90	50,000	Narrow Spot	14°	Red Dot
e22	3100K	8.4	90	50,000	Spot	18°	Green Dot
e23	4100K	8.4	75	50,000	Medium Flood	25°	Yellow Dot
e24	Red (627nm)	7.9	~	50,000	Wide Flood	36°	Blue Dot
e25	Green (530nm)	8.4	~	50,000			
e26	Blue (470nm)	8.4	~	50,000			
e27	Amber (590nm)	7.9	~	50,000			

B-K LIGHTING

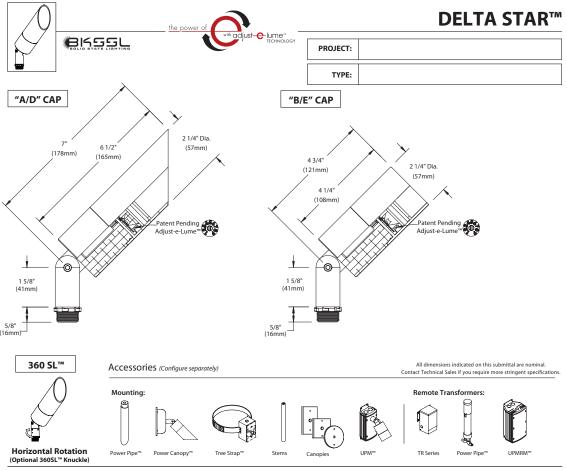
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12-13-11

DRAWING NUMBER
12-13-11

DRAWING NUMBER
12-13-11

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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).

BodyFully 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.

KnuckleThe 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

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

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

BKSSL™

BRSSL⁻⁻
Integrated solid state system with 'e' technology is scalable for field upgrade. Modular design with electrical quick disconnects permit field maintenance. 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.

Adjust-e-Lume™ (Pat. Pending) Integral electronics allows dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.) lumen output. Maintains output at desired level or may be changed as conditions require. Specify factory preset output

Interchangeable OPTIKIT™ modules permit field reference: Narrow Spot (NSP) = Red. Spot (SP) = Green. Medium Flood (MFL) = Yellow. Wide Flood = Blue.

Remote Transformer

For use with 12VAC @ISSEL remote transformer.

Teflon® coated, 18AWG, 600V, 250° C rated and certified to

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

StarGuard® (Pat. Pend.), a 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







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



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SUBMITTAL DATE 12-13-11

DRAWING NUMBER SUB000930

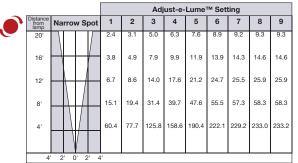
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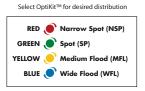
Photometry for use with e36



TECHNOLOGY

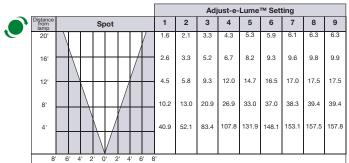


Note: If using No. 11 honeycomb baffle multiply footcandle values by .80

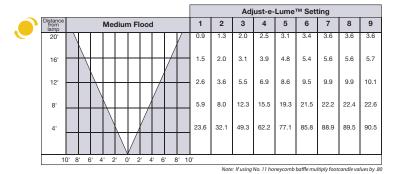


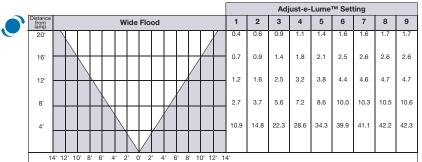
Set adjust-e-lume™ Dial to desired output





Note: If using No. 11 honeycomb baffle multiply footcandle values by .



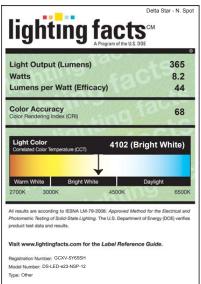


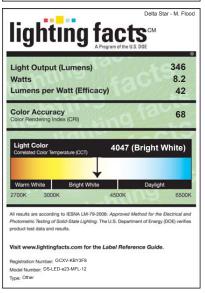
Note: If using No. 11 honeycomb baffle multiply footcandle values by .80



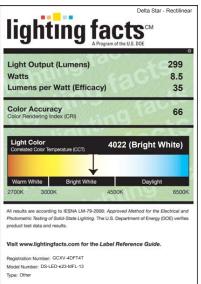
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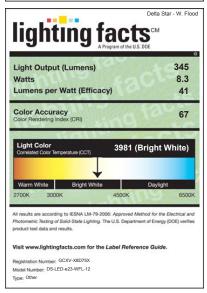












The Press Hotel



COMPONENT 1: METAL SHROUD

TYPE: KE7



The Press Hotel

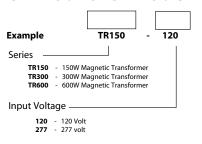


Magnetic Transformer

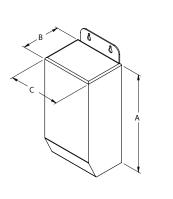
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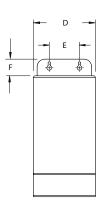
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CATALOG NUMBER:	
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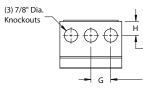
CATALOG NUMBER LOGIC



DIMENSIONS







TRANSFORMER DATA

Series	Input Voltage	Max. Load	Weight	Height A	Depth B	С	D	E	F	G	н
TR150	120V	150W	6 lbs.	8"	3-3/32"	4-3/32"	5-1/2"	4-1/8"	1-1/8"	1-5/16"	15/16"
TR300	120V	300W	7.13 lbs.	8"	3-3/32"	4-3/32"	5-1/2"	4-1/8"	1-1/8"	1-5/16"	15/16"
TR600	120V	600W	14.9 lbs.	9-13/32"	4-3/32"	4-19/32"	5-3/4"	4-5/8"	1-1/16"	1-1/2"	1-1/4"
TR150	277V	150W	6 lbs.	8"	3-3/32"	4-3/32"	5-1/2"	4-1/8"	1-1/8"	1-5/16"	15/16"
TR300	277V	300W	7.13 lbs.	8"	3-3/32"	4-3/32"	5-1/2"	4-1/8"	1-1/8"	1-5/16"	15/16"
TR600	277V	600W	14.9 lbs.	9-13/32"	4-3/32"	4-19/32"	5-3/4"	4-5/8"	1-1/16"	1-1/2"	1-1/4

SPECIFICATIONS

Housing
Stainless steel, NEMA Outdoor 3R rated enclsosure. [3]
bottom entry 1/2" knockouts provide access to wiring
compartment. Riveted, hinged cover opens vertically from
bottom to top for service access.

TransformerFully encapsulated, 150VA, 300VA, and 600VA Class B insulated, low voltage magnetic transformer. 120VAC or 277VAC input. 12VAC output (fully loaded). 0.6A (120VAC) or 0.3A (277VAC) maximum no load input current. Manual thermal reset. 25A secondary circuit breaker. Enclosure temperature <65° C when fully loaded (in 40° C ambient).

For use with halogen and RISSEL products. Fully dimmable with halogen loads utilizing magnetic low voltage

Fpr output Wiring See B-K Lighting Low Voltage Design Guide.

Warranty Limited five year warranty.

Certification and Listings Nema Type 3R Enclosure. Suitable for indoor and outdoor use. UL Listed to ANSI/UL Standard 1012.





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SUBMITTAL DATE 11-15-12

SUBMITTAL NUMBER TR-SERIES

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Low Voltage Guide

Many B-K LIGHTING fixtures operate on 12 volts. Taking advantage of these energy-saving fixtures requires appropriate care in planning the electrical wiring system. To maintain expected lamp performance, we recommend the following procedures in sizing your low-voltage wiring system.

SIZING OF LOW VOLTAGE WIRING

- Locate and plot fixtures on plan. Choose the lighting equipment necessary to create the desired lighting effects. Mark lamp wattage for each fixture location.
- Identify potential transformer locations. The ideal locations are those which provide for the shortest possible low voltage distances (inconspicuous areas, behind rocks, shrubbery, etc., within the landscape). UPM, Power Pipe™, Power Pipe™, or, if available, transformers integral in the fixture are good ways to hide the transformer and reduce voltage drop problems.
- 3. Add the total wattage for the proposed low voltage run. Measure the wire lengths from the transformer to the fixture locations. Find the distance to the "CENTER OF LOAD" of the low voltage run.

CENTER
OF LOAD

= Distance from first to last fixture
(2) Two

+ Distance from transformer to first fixture

4. Using the B-K LIGHTING Wire Selection Table, select the wattage column which applies. Look down the column stopping at a distance, in feet, that is equal or greater than the "CENTER OF LOAD" distance. Look across to find the proper wire size for your layout.

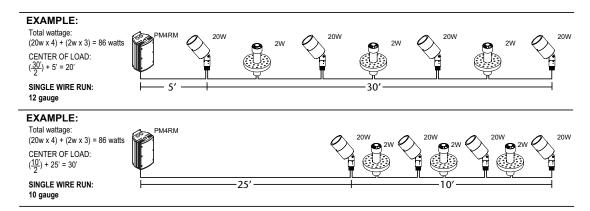
Note: In the event of multiple runs from a given transformer, treat each run separately.

12-VOLT WIRE SELECTION TABLE

WIRE	TOTAL WATTAGE																
SIZE	12	20	24	35	40	50	60	70	80	100	105	120	140	150	160	200	250
12	178	106	89	60	53	42	35	30	26	21	20	17	15	13	_	-	_
10	283	169	141	96	85	67	56	48	42	33	32	28	24	22	19	17	13
8	450	269	225	154	135	107	90	77	67	54	51	45	38	36	31	27	21
6	715	428	357	245	214	171	143	122	107	85	81	71	61	57	49	42	34
		CENTER OF LOAD WIRING DISTANCES IN FEET															

The Wire Selection Table provided is based on a maximum allowable voltage drop of 5%. Electrical designs which allow greater than 5% voltage drop, reduce rated light output beyond acceptable levels.

The importance of the proper wire selection is demonstrated below. Both examples have the same total watts and identical overall lengths of wire run, yet require different wire sizes, or multiple wire runs, to operate within the 5% maximum voltage drop B-K LIGHTING criteria.



TRANSFORMERS

For areas which are far reaching from fixtures, running 120 volt power to each fixture location with individual transformers, such as TRSS15 or TRSS150, provides an excellent economic solution to voltage drop. These transformers can also be specified in the UPM, Power Pipe™, and Power Pipe II™ transformer housings.

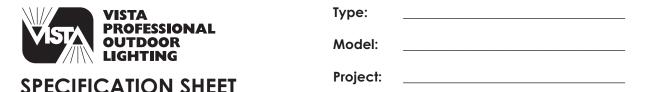
Note: Installations should be in accordance with the National Electric Code and applicable local codes.





KNLD Project No. 2013-3490

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MODEL: 2172 - Brass & Copper Series: In-Ground and Well Lights

SPECIFICATIONS:

HOUSING:

Injection-molded, glass-reinforced RytonTM R4 composite for strength & high UV stability – warranted for ten years against corrosion.

LENS COVER:

Precision CNC machined solid brass or solid stainless steel fitted to the housing with a silicone o-ring gasket – providing a superior weather-tight seal.

FINISH:

Natural Brass, Olde Brass, Natural Copper or Stainless Steel lens cover. Housing available in black only.

SOCKET/LAMP HOLDER:

Top grade ceramic socket with nickel contacts, stainless steel springs, & Teflon-jacketed wire leads.

LENS:

Clear, tempered, shock & heat-resistant, soda-lime glass lens- crowned (convex) to promote water runoff. Optical effect lenses are available; see accessories column on fixture ordering information chart.

LAMP TYPE:

MR-16 Halogen – 50W maximum. LN-20 BAB/FG (20W) Standard.

(See back page for LED lamp specifications) OPTICS/AIMING:

Adjustable lamp bracket (not available with LED) provides up to $\pm 25^\circ$ of tilt as well as 360° rotation of the housing for

precise beam control. Lamp bracket can be locked into place to prevent disrupting lamp position when relamping. Models with housing brackets within the ABS wells provide up to $\pm\,45^{\circ}$ of tilt in addition to the lamp bracket.

MOUNTING:

In-grade. Conduit mount fixtures have two 3/1" NPT inlets on the bottom. Optional concrete mounting kit available; please see accessories column on fixture ordering information chart.

FASTENERS/INSERTS:

All fasteners are stainless steel with brass inserts.

WIRING:

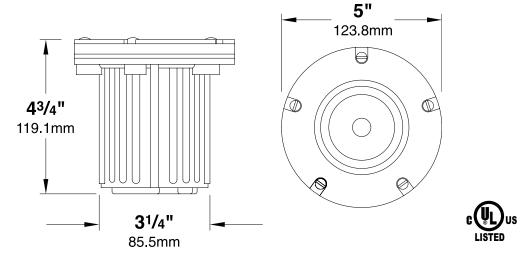
Prewired with a three-foot pigtail of 18-2 direct-burial cable & underground connectors for a secure connection to the supply cable.

CERTIFICATION:

UL Listed to U.S. & Canadian safety standards for low voltage landscape luminaires (UL 1838). The maximum wattages allowed by Underwriters Laboratories (UL) for the U.S. & Canadian markets may vary. Maximum wattages specified are Underwriters Laboratories U.S. standard. Please contact Vista for any questions about the maximum wattages allowed by UL Canadian standards.

All Vista luminaires are MADE IN THE U.S.A.

DIMENSIONS:



Vista Professional Outdoor Lighting reserves the right to modify the design and/or construction of the fixture shown without further notification.

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2172 (9/09)



The Press Hotel



SPECIFICATION SHEET

LED LAMP SPECIFICATIONS (if applicable):

LAMP TYPE

Lumiled Rebel High Output LED with Vista exclusive smart-driver, powered to operate for 50,000 hours.

OPTICS:

Integral high-efficiency optics available in spot through flood beam spreads.

ELECTRICAL:

Input voltage range 5–15V AC, regulated to achieve uniform illumination throughout the cable run of fixtures. Integral surge & reverse polarity protection.

FIXTURE ORDERING INFORMATION

TO ORDER FIXTURE: Select appropriate choice from each column as in the following example

EXAMPLE: GW-2172-CSN-BAB-HL

MOUNTING	CATALOG NO.	FINISH	LAMP	ACCESSORIES
GW- In-grade CM- In-grade conduit mount	2172	BSN - Solid Natural Brass BSO - Olde Brass CSN - Natural Copper SS - Stainless Steel	(Please see lamp order code column on lamp guide, Vista product catalog.)	CBL- Crowned Cool Blue lens CFR- Crowned Frosted lens SL- Flat Spread lens DBL- Flat Dark Blue lens GL- Flat Dark Green lens RL- Flat Red lens YL- Flat Amber lens HL- Honeycomb louver JBCP-150- Concrete mounting kit

Fixtures shipped with standard lamp, unless otherwise specified. Fixtures shipped with specified mounting hardware.

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SPECIFICATION SHEET

Type:	
Model:	
Project:	

ES-150 - Stainless Steel Transformer

SPECIFICATIONS:

EXTERIOR CONSTRUCTION:

20-gauge polished, top-grade domestic, 304 stainless steel. FINISH:

Polished stainless steel with Smudge-Free clear powder-coat. Also, polyester powder-coat finish available in Black, Verde, Architectural Brick, Architectural Bronze, Light Bronze, Dark Bronze, Granite, Pewter, Terra-cotta, Rust, Hunter Green, Mocha, Weathered Bronze, Weathered Iron, and White.

TRANSFORMER CHARACTERISTICS:

Available Power Rating: 150 Watts

Primary Voltage: 120 Volts (Also available in 240V, 50 or 60 cycle-Special order only.)

Secondary Voltage: 12 and 15 Volts

Fully grounded and isolated with encapsulated core and coil.

PRIMARY PROTECTION:

Auto thermal shut-off.

SECONDARY PROTECTION:

Resetable high performance magnetic circuit breaker.

TERMINALS:

Extra-large terminal strip for multiple low voltage cable connections as well as extended wire leads for alternative wiring techniques.

Extended wire leads are color coated for easy identification of voltage taps. A separate 120-volt terminal strip for easy hard-wiring and an accessory terminal strip for easy installation of external switching devices also included.

WIRING:

 $\mbox{6-foot, heavy-gauge, grounded, water-resistant power cord with integrally molded plug.}$

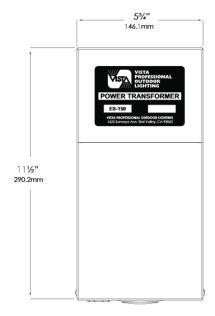
CERTIFICATION:

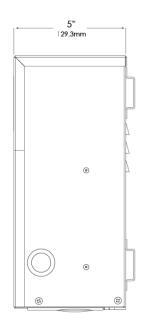
UL Listed to U.S. safety standards for general purpose transformers (UL 1838)

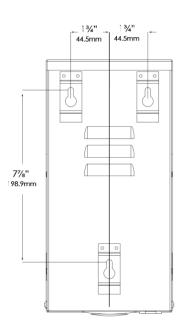
All Vista transformers are MADE IN THE U.S.A.



DIMENSIONS:







Vista Professional Outdoor Lighting reserves the right to modify the design and/or construction of the transformer shown without further notification.

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SPECIFICATION SHEET

ES-150 - Stainless Steel Transformer

TRANSFORMER ORDERING INFORMATION

TO ORDER Transformer: Select appropriate choice from each column as in the following example

EXAMPLE: ES-150-DT

TRANSFORMER SERIES	TRANSFORMER MODEL	ACCESSORY OPTIONS	FINISH
Es - Energy Smart, Stainless Steel 12V Transformer	150- 150 VA	T- Removable multi-setting mechanical 24-hour timer DT- Removable multi-setting digital 7-day timer RP- Remote wired photocell with electronic timer (Accessories not required for operation of transformer)	B- Black G- Verde BR- Architectural Brick Z- Architectural Bronze GT- Granite P- Pewter TC- Terracotta R- Rust HG- Hunter Green M- Mocha WB- Weathered Bronze WI- Weathered Iron W- White

Note: When a finish is not specified, ES-150 transformers will be shipped with a clear, polyester, powder-coated finish.

FEATURES:

- Stainless steel, custom-designed, weather-tight casing seals components from moisture and debris.
- Vista's Smudge-Free clear powder-coat ensures a like-brand-new look for years to come.
- Easy door removal allowing greater access during installation.
- Easy to read instructions mounted inside door.
- Magnetic overload circuit breakers for reliable automatic circuit protection under all conditions. The circuit breaker rocker switch may also be used for manual on/off switching of the unit.
- Over-sized wiring compartment makes cable installation easy.
- ½"-¾" knockouts on each side of enclosure for conduit and accessory mounting
- Adjustable Cable Raceway Feeder easily accommodates multiple wire runs with ½"-¾" conduit knockout.
- Extra-large terminal strip for multiple low voltage cable connections as well as extended wire leads for alternative wiring techniques.
- 6-foot, heavy-gauge, grounded, water-resistant power cord with integrally molded plug.
- 120-volt Accessory receptacle for use with optional available timers.
- Discrete louvered vents in the rear of cabinet maintains a cool operating temperature.

MODEL TYPE: SEE FIXTURE SCHEDULE FOR CATALOG NUMBER AND DESCRIPTION

- 120-volt terminal strip for easy hard-wiring.
- Optional photocell is available for use with timers or stand-alone.
- Mounting template included.
- Also available in 240V, 50 or 60 cycle-Special order only, consult factory.

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ES-150 (09/11)

TYPE: **KE**8

TUND FLOODLIGHTS



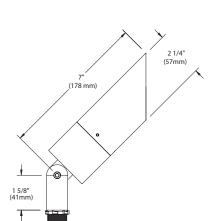






VOLTAGE

• 12V •



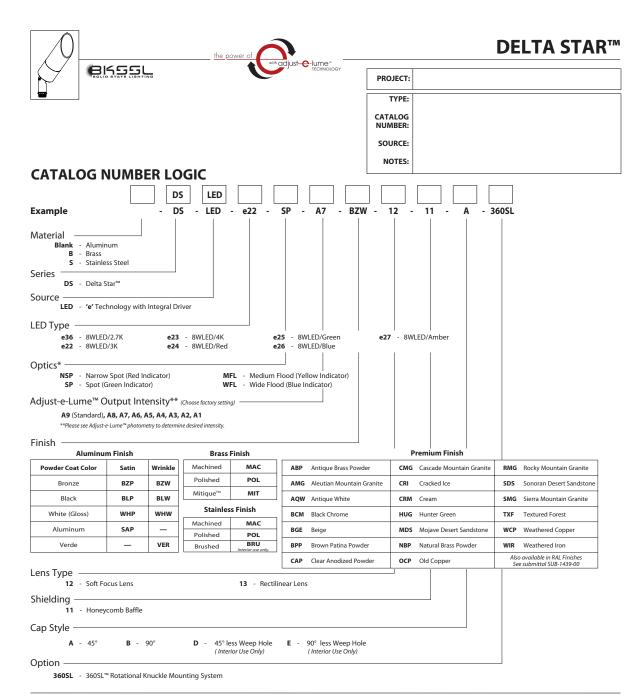








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LM70 DATA	170 DATA	*ODTICAL DATA
LM79 DATA	L70 DATA	*OPTICAL DATA

BK No.	CCT (Typ.)	Input Watts (Typ.)	CRI (Typ.)	Minimum Rated Life (hrs.) 70% of initial lumens (L ₇₀)	Beam Type	Angle	Visual Indicator
e36	2700K	8.4	90	50,000	Narrow Spot	14°	Red Dot
e22	3100K	8.4	90	50,000	Spot	18°	Green Dot
e23	4100K	8.4	75	50,000	Medium Flood	25°	Yellow Dot
e24	Red (627nm)	7.9	~	50,000	Wide Flood	36°	Blue Dot
e25	Green (530nm)	8.4	~	50,000			
e26	Blue (470nm)	8.4	~	50,000			
e27	Amber (590nm)	7.9	~	50,000			

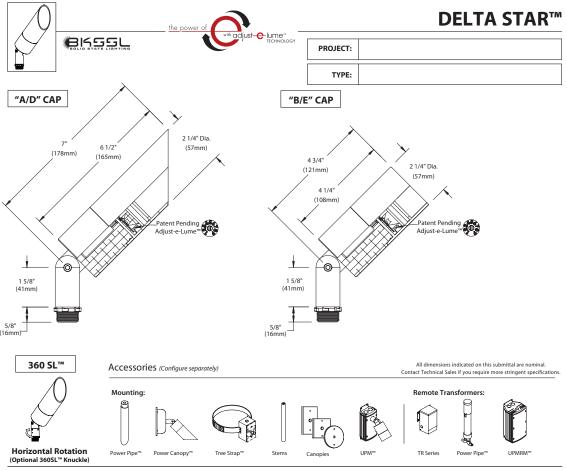
B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559,438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com
12-13-11

DRAWING NUMBER
12-13-11

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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).

BodyFully 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.

KnuckleThe 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

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

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

BKSSL™

BRSSL⁻⁻
Integrated solid state system with 'e' technology is scalable for field upgrade. Modular design with electrical quick disconnects permit field maintenance. 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.

Adjust-e-Lume™ (Pat. Pending) Integral electronics allows dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.) lumen output. Maintains output at desired level or may be changed as conditions require. Specify factory preset output

Interchangeable OPTIKIT™ modules permit field reference: Narrow Spot (NSP) = Red. Spot (SP) = Green. Medium Flood (MFL) = Yellow. Wide Flood = Blue.

Remote Transformer

For use with 12VAC @ISSEL remote transformer.

Teflon® coated, 18AWG, 600V, 250° C rated and certified to

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

StarGuard® (Pat. Pend.), a 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







*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 12-13-11

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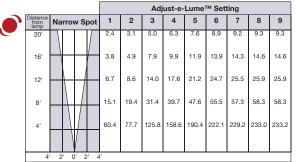
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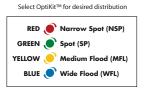
Photometry for use with e36



TECHNOLOGY

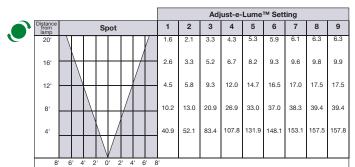


Note: If using No. 11 honevcomb baffle multiply footcandle values by .80

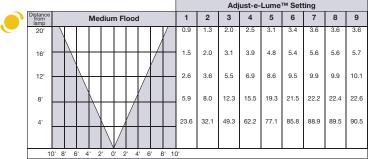


Set adjust-e-lume™ Dial to desired output

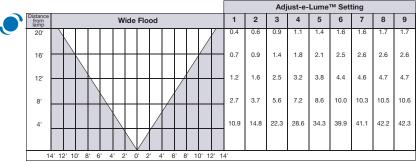




Note: If using No. 11 honeycomb baffle multiply footcandle values by .8



Note: If using No. 11 honeycomb baffle multiply footcandle values by .80



Note: If using No. 11 honeycomb baffle multiply footcandle values by .80



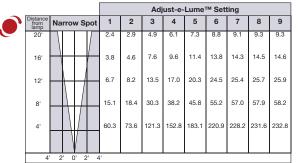
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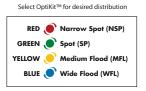
Photometry for use with e22



TECHNOLOGY

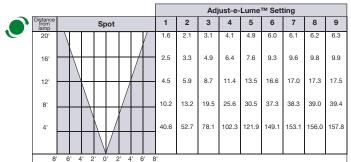


Note: If using No. 11 honevcomb baffle multiply footcandle values by .80

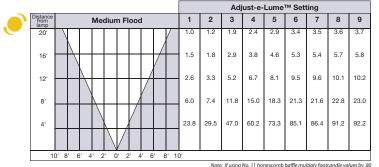


Set adjust-e-lume™ Dial to desired output

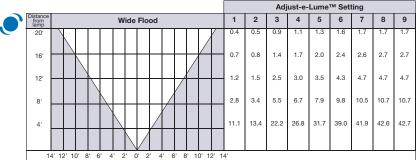




Note: If using No. 11 honeycomb baffle multiply footcandle values by .8



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Note: If using No. 11 honeycomb baffle multiply footcandle values by .80



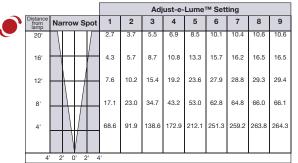
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Photometry for use with e23



TECHNOLOGY

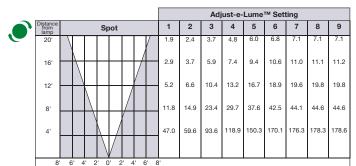


Note: If using No. 11 honeycomb baffle multiply footcandle values by .80

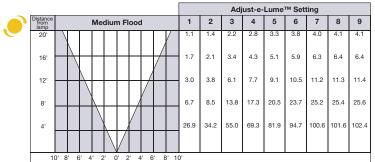
RED Narrow Spot (NSP)
GREEN Spot (SP)
YELLOW Medium Flood (MFL)
BLUE Wide Flood (WFL)

Set adjust-e-lume™ Dial to desired output

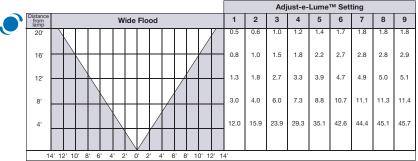




Note: If using No. 11 honeycomb baffle multiply footcandle values by .8



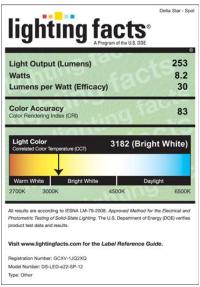
Note: If using No. 11 honeycomb baffle multiply footcandle values by .80

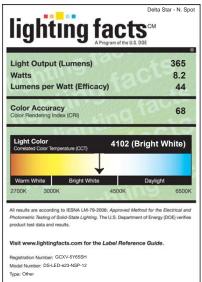


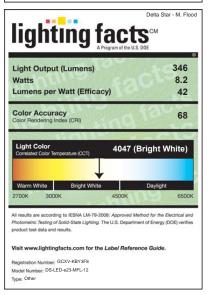
Note: If using No. 11 honeycomb baffle multiply footcandle values by .80

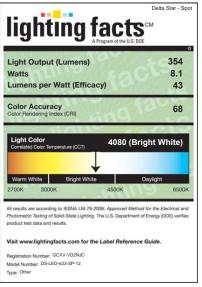


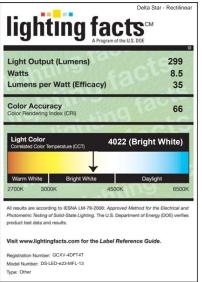
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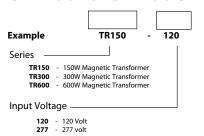


Magnetic Transformer

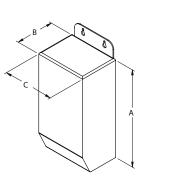
TR SERIES

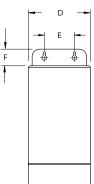
PROJECT:	
TYPE:	
CATALOG NUMBER:	
SOURCE:	
NOTES:	

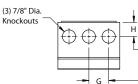
CATALOG NUMBER LOGIC



DIMENSIONS







TRANSFORMER DATA

Series	Input Voltage	Max. Load	Weight	Height A	Depth B	c	D	E	F	G	н
TR150	120V	150W	6 lbs.	8"	3-3/32"	4-3/32"	5-1/2"	4-1/8"	1-1/8"	1-5/16"	15/16"
TR300	120V	300W	7.13 lbs.	8"	3-3/32"	4-3/32"	5-1/2"	4-1/8"	1-1/8"	1-5/16"	15/16"
TR600	120V	600W	14.9 lbs.	9-13/32"	4-3/32"	4-19/32"	5-3/4"	4-5/8"	1-1/16"	1-1/2"	1-1/4"
TR150	277V	150W	6 lbs.	8"	3-3/32"	4-3/32"	5-1/2"	4-1/8"	1-1/8"	1-5/16"	15/16"
TR300	277V	300W	7.13 lbs.	8"	3-3/32"	4-3/32"	5-1/2"	4-1/8"	1-1/8"	1-5/16"	15/16"
TR600	277V	600W	14.9 lbs.	9-13/32"	4-3/32"	4-19/32"	5-3/4"	4-5/8"	1-1/16"	1-1/2"	1-1/4

SPECIFICATIONS

Housing
Stainless steel, NEMA Outdoor 3R rated enclsosure. [3]
bottom entry 1/2" knockouts provide access to wiring
compartment. Riveted, hinged cover opens vertically from
bottom to top for service access.

TransformerFully encapsulated, 150VA, 300VA, and 600VA Class B insulated, low voltage magnetic transformer. 120VAC or 277VAC input. 12VAC output (fully loaded). 0.6A (120VAC) or 0.3A (277VAC) maximum no load input current. Manual thermal reset. 25A secondary circuit breaker. Enclosure temperature <65° C when fully loaded (in 40° C ambient).

For use with halogen and RISSEL products. Fully dimmable with halogen loads utilizing magnetic low voltage

Fpr output Wiring See B-K Lighting Low Voltage Design Guide.

Warranty Limited five year warranty.

Certification and Listings Nema Type 3R Enclosure. Suitable for indoor and outdoor use. UL Listed to ANSI/UL Standard 1012.



PV	NIC
D-N	IVG

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

SUBMITTAL DATE 11-15-12

SUBMITTAL NUMBER TR-SERIES

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The Press Hotel

Low Voltage Guide

Many B-K LIGHTING fixtures operate on 12 volts. Taking advantage of these energy-saving fixtures requires appropriate care in planning the electrical wiring system. To maintain expected lamp performance, we recommend the following procedures in sizing your low-voltage wiring system.

SIZING OF LOW VOLTAGE WIRING

- Locate and plot fixtures on plan. Choose the lighting equipment necessary to create the desired lighting effects. Mark lamp wattage for each fixture location.
- Identify potential transformer locations. The ideal locations are those which provide for the shortest possible low voltage distances (inconspicuous areas, behind rocks, shrubbery, etc., within the landscape). UPM, Power Pipe™, Power Pipe™, or, if available, transformers integral in the fixture are good ways to hide the transformer and reduce voltage drop problems.
- 3. Add the total wattage for the proposed low voltage run. Measure the wire lengths from the transformer to the fixture locations. Find the distance to the "CENTER OF LOAD" of the low voltage run.

CENTER
OF LOAD

= Distance from first to last fixture
(2) Two

+ Distance from transformer to first fixture

4. Using the B-K LIGHTING Wire Selection Table, select the wattage column which applies. Look down the column stopping at a distance, in feet, that is equal or greater than the "CENTER OF LOAD" distance. Look across to find the proper wire size for your layout.

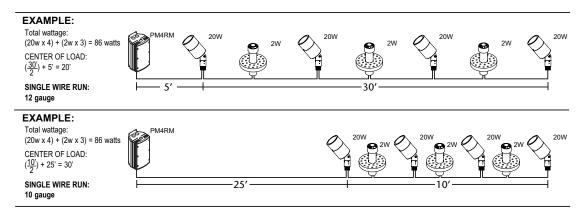
Note: In the event of multiple runs from a given transformer, treat each run separately.

12-VOLT WIRE SELECTION TABLE

WIRE	TOTAL WATTAGE																
SIZE	12	20	24	35	40	50	60	70	80	100	105	120	140	150	160	200	250
12	178	106	89	60	53	42	35	30	26	21	20	17	15	13	_	_	_
10	283	169	141	96	85	67	56	48	42	33	32	28	24	22	19	17	13
8	450	269	225	154	135	107	90	77	67	54	51	45	38	36	31	27	21
6	715	428	357	245	214	171	143	122	107	85	81	71	61	57	49	42	34
		CENTER OF LOAD WIRING DISTANCES IN FEET															

The Wire Selection Table provided is based on a maximum allowable voltage drop of 5%. Electrical designs which allow greater than 5% voltage drop, reduce rated light output beyond acceptable levels.

The importance of the proper wire selection is demonstrated below. Both examples have the same total watts and identical overall lengths of wire run, yet require different wire sizes, or multiple wire runs, to operate within the 5% maximum voltage drop B-K LIGHTING criteria.



TRANSFORMERS

For areas which are far reaching from fixtures, running 120 volt power to each fixture location with individual transformers, such as TRSS15 or TRSS150, provides an excellent economic solution to voltage drop. These transformers can also be specified in the UPM, Power Pipe™, and Power Pipe II™ transformer housings.

Note: Installations should be in accordance with the National Electric Code and applicable local codes.



10

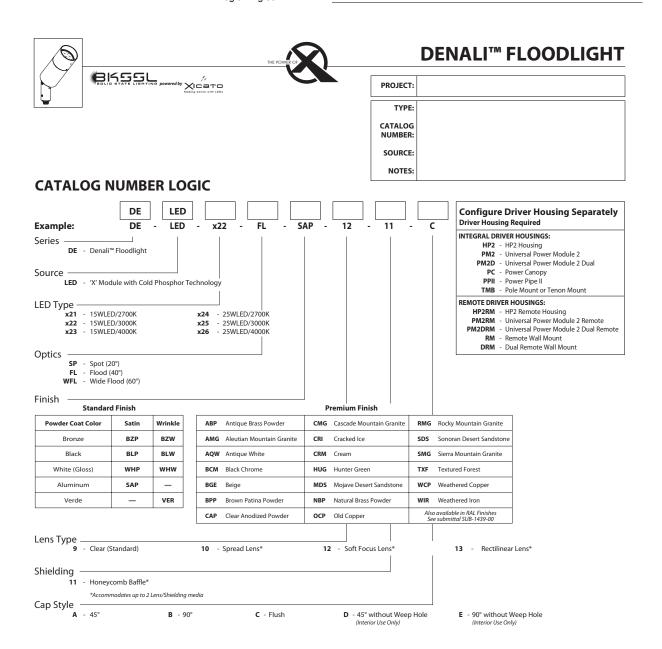


The Denali Series™ floodlight is a powerful, yet innovative solid-state lighting fixture designed to deliver higher lumen output and unprecedented color consistency. Incorporating our new'X' technology, Denali™ Floodlight utilizes Patented "Color Corrected Cold Phosphor" technology to deliver near-perfect natural white light while maintaining 'lifetime' color consistency. It's universal design accommodates a variety of remote and integral driver mounting options. Visit www.bklighting.com for ordering logic. Keyword DE-LED





The Press Hotel

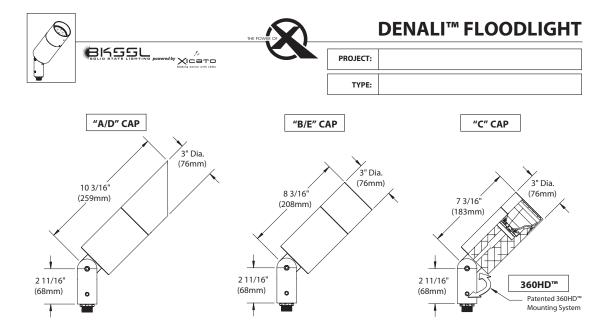


.M79 DA	ΓΑ	OPTICAL DATA					
BK No.	CCT (Typ.)	CRI (Ra. Typ.)	Color Consistency	Input Watts (Typ.)	Minimum Rated Life (hi 70% of initial lumens (L		pe Angle
x21	2700K	>80	±40K	15	50,000	Spot	20°
x22	3000K	>80	±50K	15	50,000	Flood	40°
x23	4000K	>80	±70K	15	50,000	Wide Floo	od 60°
x24	2700K	>80	±40K	25	50,000		
x25	3000K	>80	±50K	25	50,000		
x26	4000K	>80	±70K	25	50,000		
B-I	< LI	GHT	ING	40429 Brickyard Drive • M 559.438.5800 • Fo www.bklighting.com •	AX 559.438.5900	SUBMITTAL DATE 3-12-12	DRAWING NUMBE SUB001113

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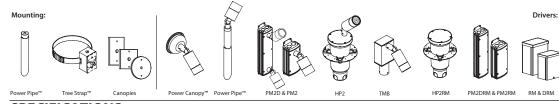
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All dimensions indicated on this submittal are nominal Contact Technical Sales if you require more stringent specifications

Accessories (Configure separately)

Drivers (Configure separately)



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). Consultwww.bklighting.com/greensource for program requirements.

Furnished in Copper-Free Aluminum (Type 6061-T6).

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 compressive resistance to maintain future 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. ¼im-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

Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment.

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.

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

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
I'll tested to IESNA LM-79. Lighting Facts Registration per USDDE
(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.







registered trademark of DuPont Corporation. ar is a registered trademark of the United States Environmental

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SUBMITTAL DATE 3-12-12

DRAWING NUMBER SUB001113

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NEMA 3R Remote Driver Housing

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

CATALOG NUMBER LOGIC

	RM
Example	RM - D25 - MT - SAP
Remote Driver Housing —	MA 3R)
Driver Type	
D15 - 15W Driver (non-dim	ming) er (for use with Incandescent Dimmer)*
D25 - 25W Driver (non-dim D25INC - 25W Dimming Driv *120V only	ming) er (for use with Incandescent Dimmer)*
Input Voltage —	
120 - 120 VAC Input (for u MT - 120-277 VAC Input	
Finish —	

REMOTE WIRING

LED Driver

Remote driver installations require inter-connected nemote unver installations require inter-connected wiring between the LED and driver (by others). Drivers have specific wiring requirements between these components. Driver manufacturers regularly recommend the following wiring details for such installations:

• Do not exceed 50 foot overall wiring distance using 12 gauge copper wire.

Failure to comply with specific wiring requirements will void product warranty.

Standard Finish

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

Premium Finish

Antique Brass Powder	MDS	Mojave Desert Sandstone
Aleutian Mountain Granite	NBP	Natural Brass Powder
Antique White	ОСР	Old Copper
Black Chrome	RMG	Rocky Mountain Granite
Beige	SDS	Sonoran Desert Sandstone
Brown Patina Powder	SMG	Sierra Mountain Granite
Clear Anodized Powder	TXF	Textured Forest
Cascade Mountain Granite	WCP	Weathered Copper
Cracked Ice	WIR	Weathered Iron
Cream		
Hunter Green	Also available in RAL Finishes See submittal SUB-1439-00	
	Aleutian Mountain Granite Antique White Black Chrome Beige Brown Patina Powder Clear Anodized Powder Cascade Mountain Granite Cracked Ice Cream	Aleutian Mountain Granite Antique White OCP Black Chrome RMG Beige SDS Brown Patina Powder SMG Clear Anodized Powder TXF Cascade Mountain Granite WCP Cracked Ice WIR Light Common

DRIVER ELECTRICAL DATA

AC INPUT F RANGE	requency Hz	DIMMING	POWER FACTOR		OPER. AMBIENT TEMPERATURE	DIMMER TYPE	DIMMER RANGE
20/208/240/277	50/60	NO	>0.92	≤20%	-30° C ~ 50°C	_	_
120	50/60	YES	>0.96	≤20%	-30° C ∼ 60°C	Incandescent	10-100%
20/208/240/277	50/60	NO	>0.92	≤20%	-30° C ~ 50°C	_	_
120	50/60	YES	>0.96	≤20%	-30° C ~ 60°C	Incandescent	10-100%
	20/208/240/277 120 20/208/240/277	20/208/240/277 50/60 120 50/60 20/208/240/277 50/60	HANGE HZ 20/208/240/277 50/60 NO 120 50/60 YES 20/208/240/277 50/60 NO	HANGE HZ FACTOR 20/208/240/277 50/60 NO >0.92 120 50/60 YES >0.96 20/208/240/277 50/60 NO >0.92	HANGE HZ FACTOR 20/208/240/277 50/60 NO >0.92 ≤20% 120 50/60 YES >0.96 ≤20% 20/208/240/277 50/60 NO >0.92 ≤20%	HANGE HZ FACTOR TEMPERATURE 20/208/240/277 50/60 NO >0.92 ≤20% -30° C ~ 50°C 120 50/60 YES >0.96 ≤20% -30° C ~ 60°C 20/208/240/277 50/60 NO >0.92 ≤20% -30° C ~ 50°C	HANGE HZ FACTOR TEMPERATURE 20/208/240/277 50/60 NO >0.92 ≤20% -30° C ~ 50° C — 120 50/60 YES >0.96 ≤20% -30° C ~ 60° C Incandescent 20/208/240/277 50/60 NO >0.92 ≤20% -30° C ~ 50° C —

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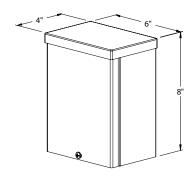


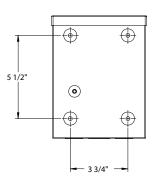
NEMA 3R Remote Driver Housing

PROJECT:	
TYPE:	

SIDE VIEW







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.

Nema 3R, surface mount design. For use with remote fixture (specified separately).

HousingSteel construction with screw cover. Front access for ease of installation and inspection. [2] bottom entry,

Wiring / Connectors

Teflon coated wire, 18 gauge, 600V, 250°C rated and certified to UL1659 standard. Pre-wired and labeled terminal strip.

Driver
[1] 700mA, 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). Output over-voltage, over-current, and short circuit protection with auto recovery. EMC: FCC47CFR Part 15 Class B compliant.

Dimming driver for use with standard incandescent dimmers. 10-100% range.

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.

ListingsNEMA 3R 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.





®Teflon is a registered trademark of DuPont Corporation.

B-K LIGHTING

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SUBMITTAL DATE 12-21-12

DRAWING NUMBER SUB001124

TYPE: KE10

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PROJECT NAME:

LUMINAIRE TYPE :

L140W LumiLine | Wet

Construction:

- Extruded aluminum housing with satin anodized finish
- Low profile design with lengths ranging from 20" to 50"
- Proprietary optics are UV stable and optimized for transmission
- Numerous stainless steel and aluminum mounting solutions

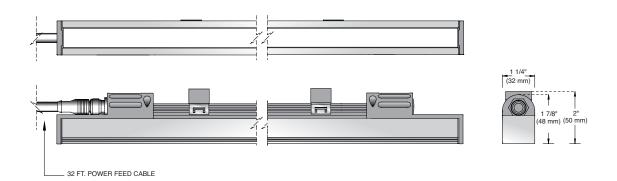
Electrical

- Dimmable, high flux LEDs available in either 3000K or 4000K
- Solid state low voltage luminaires powered with 24V DC
- Electronic power supplies can be remotely mounted up to 32' **
- UL listed for wet locations: IP65 rating

Performance:

- Average rated LED life of 50,000 hours @ 70% lumen output*
- IES files can be downloaded at www.electrix.com
- · All values below are based on initial lumens per foot

Output	Watts/Ft	3000K white	4000K white
Standard	5 watts/ft	258 lumens/ft	308 lumens/ft
High	10 watts/ft	516 lumens/ft	617 lumens/ft



^{*} To ensure proper performance, ambient temperature around luminaire should not exceed 140F. Architectural details should include ventilation around fixture



not exceed 140F. Architectural details should include ventilation around fixture.

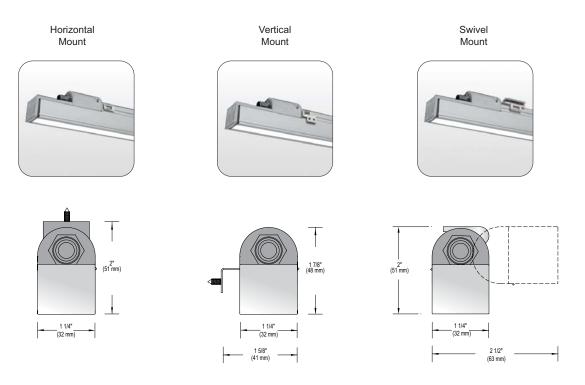
** If EMI is a consideration, recommended remote driver distance is 15'

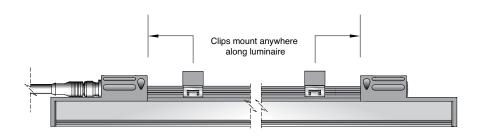


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MOUNTING OPTIONS:







The L140W series is UL listed for wet locations. The fixture was designed for exterior down light applications with minimal space limits. The L140W is not submersible and should not be mounted in conditions where standing water will collect on the lens.



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PRODUCT INFORMATION:

L140W PRODUCT

POWER 05 - 5 watts per linear ft

10 - 10 watts per linear ft

LENGTH

20 - 20 3/4" actual 30 - 30 3/4" actual

40 - 40 3/4" actual 50 - 50 3/4" actual

LED COLOR OPTIC

W3 - 3000K White

W4 - 4000K White

05 - 5 degree

60M - 60 degree lens with micro glare control louver

60C - 60 degree Clear Lens

90F - 90 degree lens with satine diffuser (92% Transm.) MOUNT

HW - Horizontal Mount Wet

- Vertical Mount

- Swivel

POWER CABLE ACCESSORIES:

LEADER FEED CABLE:



LFC-S32:

32 ft. primary feed cable with straight connector. One required per LED feed. **LEADER FEED CABLE:**



LFC-A32:

32 ft. primary feed cable with right angle connector.

(UL) ROHS

KE13

TYPE:

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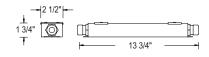


LED POWER SUPPLIES - WET LOCATION

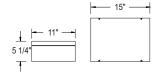
96W MAX POWER SUPPLY

- wattage output: 1W (min) to 96W (max)
- input voltage: 120V-277V AC output voltage: 24V DC
- maximum remote driver distance is 32'. **
- dimming driver requires a 0-10V control interface (by others)¹
- IP65 rating

MODEL: PS96-W



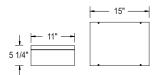
MODEL: PS96D-W dimmable



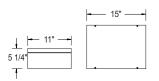
288W MAX POWER SUPPLY

- wattage output: three (3) 96W channels
- input voltage: 120V-277V AC output voltage: 24V DC
- maximum remote driver distance is 32'. **
- dimming driver requires a 0-10V control interface (by others)¹
- IP65 rating

MODEL: PS288-W



MODEL: PS288D-W dimmable



^{**} The remote mounting distance may be exceeded. However, precaution for site condition of electromagnetic interference (EMI) and voltage drop must be considered.

(PL) RoHS

KE13

TYPE:

 $^{^{1} \ \, \}text{Contact the factory for dimming wire diagram}$

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Created: 08/12/2013

VX200/F22

Box mount, die cast aluminum with built-in junction box and sturdy mounting lugs. Medium base socket, 1/2" or 3/4" NPS hub size and a variety of globes. incandescent lamp A21 for 100 Series, PS25 for 200 Series. Lamp not supplied. CFL: 13 & 22 watt lamp supplied.

Lamp Info		Ballast Info		
Type:	22W Quad	Type:	NPF 120V	
Watts:	22W	120V:	0.45	
Shape/Size:	N/A	208V:	0	
Base:	N/A	240V:	N/A	
ANSI:	N/A	277V:	N/A	
Hours:	10,000	Input Watts:	25W	
Lamp Lumens:	1,200	Efficiency:	88%	

Technical Specifications

48 LPW

UL Listing:

Efficacy:

Suitable for wet locations. Suitable for use in dwellings. Suitable for use with 90°C supply wiring. Complies with UL Standard 1598. For non-hazardous locations where the lamp, socket and wiring require protection from rain, corrosive fumes, non-combustible dusts, moisture, non-explosive vapors and gases. For lamp base up installation only when outdoors.

Globes:

Supplied with clear thermal shock resistant soda lime glass unless otherwise stated. Colored and white glass globes available. Unbreakable Permaglobes available in clear and in color.

No Guard Supplied:

.

Maximum Watts:

300 watts

Colored Globe Maximum Watts:

200 watts .

F22:

Compact Fluorescent 22W.

Patents:

RAB sensor and fixture designs are protected under U.S. and International Intellectual Property laws.

Ballast Minimum Starting Temperature:

-20°F.

Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

Color: Natural

Weight: 4.3 lbs



Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-Buy American Act— Construction Materials (October 2010).

Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.



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Email: sales@rabweb.com On the work.

Note: Specifications are subject to change without notice

On the web at: www.rabweb.com

Page 1 of 1

The Press Hotel

Created: 09/17/2013

GL100

Threaded glass globes fit RAB and other standard Vaporproof fixtures and Lawn Lights

Technical Specifications

UL Listing:

Suitable for wet locations when used with Vaporproof fixtures. Suitable for dry, damp or wet locations when used as replacement globes for listed fixtures. Fixtures must be installed with lamp base up when outdoors.

Glass Globes:

Clear thermal shock resistant soda lime glass standard.

Maximum Wattage:

150 watts

Patents:

RAB sensor and fixture designs are protected under U.S. and International Intellectual Property laws.

Country of Origin:

Designed by RAB in New Jersey and assembled in Taiwan.

Trade Agreements Act Compliant:

This product is a product of Taiwan and a "designated country" end product that complies with the Trade Agreements Act.

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.



Color: Clear



RAB

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MODEL TYPE: SEE FIXTURE SCHEDULE FOR CATALOG NUMBER AND DESCRIPTION

Email: sales@rabweb.com On the we Note: Specifications are subject to change without notice

On the web at: www.rabweb.com

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The Press Hotel

Created: 09/17/2013

GD100CL

Flat or round bottom wire clamp guard made of No. 8 gauge steel rod welded to a clamping band. Guard is protected from corrosion by a baked silver gray polyester powder finish.

Technical Specifications

UL Listing:

Suitable for wet locations when used with RAB Vapor proof fixtures.

Die Cast Guards:

One pieced die cast aluminum. Set screw locks guard in place. Also a wire clamp guard is available.

Wire Clamp Guards:

No. 8 gauge steel wire rod welded to clamping band with captive clamping screw.

Patents:

RAB sensor and fixture designs are protected under U.S. and International Intellectual Property laws.

Country of Origin:

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Trade Agreements Act Compliant:

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GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.





Weight: 0.4 lbs



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