

BDA30 | DARYL

Linear asymmetric LED luminaire for outdoor locations



Project: _____ Type: _____



FEATURES

The Bartco Lighting BDA30 is a linear outdoor luminaire with a high-performance asymmetric optic, optimized for walkways, stairways and pedestrian bridges. The 3-1/4" x 3" extruded aluminum housing is fitted with internal shielding to minimize backlight and internal louvers to manage straylight. These features combine with optically engineered Fresnel prisms to produce a type IV distribution, uniformity ratio down to 2.75:1 and low BUG rating.

SPECIFICATIONS

Fixture constructed of an extruded aluminum housing, aluminum LED liner/reflector, extruded acrylic lens and 16 gauge sheet steel end caps.

Standard finishes as shown below.

Internal shielding, louvers and an extruded acrylic lens with optically engineered Fresnel prisms produce a type IV distribution, B0 U1 G1 BUG rating and uniformity ratio down to 2.75:1, depending on louver finish.

Fixture provided with standard mounting to a surface or outdoor rectangular wall box.

Available in nominal lengths of 2'-8' single fixtures and continuous runs.

Basic continuous run fixtures provided with 18 ga. wiring harness for 6 Amp maximum load (consult factory for runs requiring multiple circuits, etc.).

Standard integral 120-277V driver offered with 0-10V dimming or non-dim.

Integral 120-277V emergency battery backup available for 4' nominal non-dim or 0-10V (consult factory for all other lengths/drivers).

Standard outputs range between 105-530 lumens per foot at 2-6 Watts per foot, depending on louver finish option.

LEDs available in 2700K, 3000K, 3500K and 4000K, within a 3 step MacAdam ellipse, all with 90+ CRI typical.

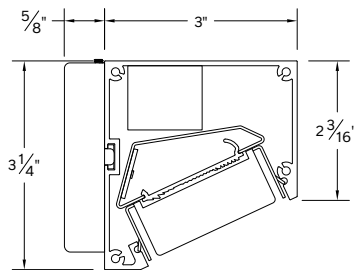
Life: 50,000 hours L_{70} .

Limited five year warranty.

UL and C-UL listed for wet locations.



SECTION



PERFORMANCE

Note: All data reflects fixtures with 3500K LEDs

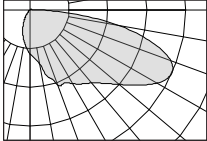
NOMINAL LENGTH	LOUVER FINISH	OUTPUT	LUMENS/ft.	WATTS/ft.	LUMINAIRE LUMENS	EFFICACY (LPW)
4'	AW: Architectural White	L: low	180	2.0	713	92
		R: regular	365	4.0	1465	92
		H: high	530	6.0	2127	88
	ESS: Environmental Satin Silver	L: low	135	2.0	530	68
		R: regular	270	4.2	1089	65
		H: high	395	6.3	1581	63
	BZ: Bronze	L: low	105	2.0	429	55
		R: regular	220	4.2	881	52
		H: high	155	6.3	616	51

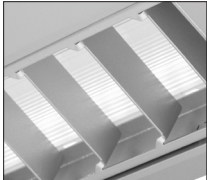
BDA30 -

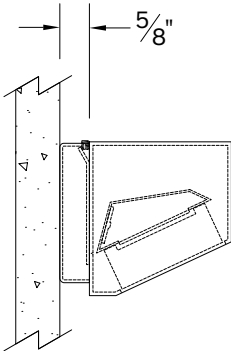
NOMINAL FIXTURE LENGTH	CORRELATED COLOR TEMPERATURE	LIGHT OUTPUT (lumens per foot w/AW louver)	OPTIC 1: asymmetric distribution	LOUVER A: standard louver	MOUNT SM1: surface/rect. wall box mount CF: consult factory for custom mounting	RUN CONFIGURATION SN: single ST: starter AD: adder TR: terminator	HOUSING FINISH AW: architectural white (semi-matte) WH: white (semi-gloss) BL: black (semi-matte) MB: matte black ESS: environmental satin silver BZ: bronze PR: primer CF: consult factory for custom finish
22: 22-3/8"	27: 2700K-90+ CRI	L: low** - 180					
33: 33-3/8"	30: 3000K-90+ CRI	R: regular - 365					
44: 44-3/8"	35: 3500K-90+ CRI	H: high - 530					
55: 55-3/8"	40: 4000K-90+ CRI	CF: consult factory for custom output					
66: 66-3/8"							
77: 77-3/8"							
88: 88-3/8"							
RUN: *							
	DRIVER ND: non-dimming [Dimming] D: 0-10V, 1%			LOUVER FINISH AW: architectural white (semi-matte) ESS: environmental satin silver BZ: bronze CF: consult factory for custom finish		OPTIONS ED: emergency driver (4' or 8' non-dim or 0-10V only)	

* Specify run length to the nearest 1'. Factory will configure using the least quantity of fixtures as close to the desired run length as possible. Run to be confirmed with a shop drawing.

** Low output available for 44" length and longer fixtures.

OPTIC		
ORDERING CODE	DESCRIPTION	SPECIFICATIONS
	1 ASYMMETRIC DISTRIBUTION	Type IV distribution produced with internally shielded optic chamber, louver assembly and extruded acrylic lens with Fresnel features. Uniformity ratio of 4'x6' rectangle • AW louver finish – 3.72:1 • ESS louver finish – 3.31:1 • BZ louver finish – 2.75:1 B0 U1 G1 BUG rating

LOUVER		
ORDERING CODE	DESCRIPTION	SPECIFICATIONS
	A STANDARD LOUVER	20 gauge steel with 5/8" tall blades, spaced 1-1/4" apart Available in architectural white (AW), environmental satin silver (ESS) and bronze (BZ) powder coat finishes

MOUNTING	
ORDERING CODE	DESCRIPTION
	SM1 SURFACE/RECTANGULAR WALL BOX MOUNT
	Mounting option includes: • 3" H x 4-3/4" W x 3/4" D bracket assembly in matching finish mounts directly to a vertical surface or to a typical rectangular outdoor junction box (gasket by others)

BDA30 | DARYL

Linear asymmetric LED luminaire for outdoor locations

OPTIONS

ORDERING CODE	DESCRIPTION	SPECIFICATIONS
	ED EMERGENCY LED DRIVER	• Universal 120-277V input voltage emergency driver delivers initial minimum power of 10W for 90 minutes • Available for 4' nominal length non-dim or 0-10V fixture only (consult factory for all other lengths/drivers) • Provided with combination test switch/indicator light mounted to wall plate for remote installation

EPA CALCULATIONS

LENGTH ORDER CODE	EPA
22	0.99 ft²
33	1.49 ft²
44	1.99 ft²
55	2.48 ft²
66	2.98 ft²
77	3.48 ft²
88	3.97 ft²

BDA30 | DARYL

Linear asymmetric LED luminaire for outdoor locations

LENGTH/MOUNTING DIMENSIONS

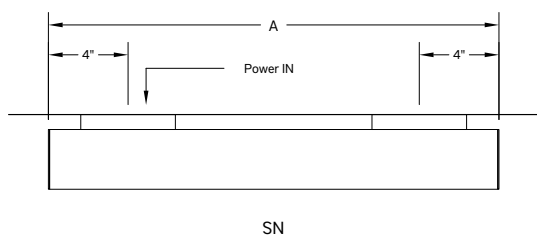
ORDERING CODE	LENGTH A
22	22-3/8"
33	33-3/8"
44	44-3/8"
55	55-3/8"
66	66-3/8"
77	77-3/8"
88	88-3/8"

RUN CONFIGURATION INFORMATION

ORDERING CODE	DESCRIPTION
SN	Single
ST	Starter
AD	Adder
TR	Terminator

RUN INFORMATION

Plan - Wall Mount Single Fixture Option



Plan - Wall Mount Continuous Fixture Option

