

# 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

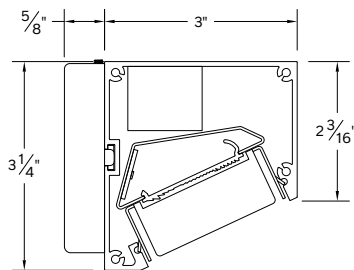
Life: 50,000 hours  $L_{70}$

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 -

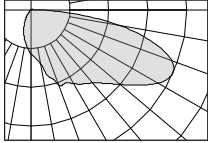
<b>NOMINAL FIXTURE LENGTH</b> 22: 22-3/8" 33: 33-3/8" 44: 44-3/8" 55: 55-3/8" 66: 66-3/8" 77: 77-3/8" 88: 88-3/8" RUN: *	<b>CORRELATED COLOR TEMPERATURE</b> 27: 2700K-90+ CRI 30: 3000K-90+ CRI 35: 3500K-90+ CRI 40: 4000K-90+ CRI	<b>LIGHT OUTPUT (lumens per foot w/AW louver)</b> L: low** - 180 R: regular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

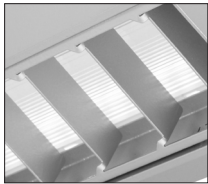
## OPTIC

ORDERING CODE	DESCRIPTION	SPECIFICATIONS
1	ASYMMETRIC DISTRIBUTION	<p>Type IV distribution produced with internally shielded optic chamber, louver assembly and extruded acrylic lens with Fresnel features.</p> <p>Uniformity ratio of 4'x6' rectangle</p> <ul style="list-style-type: none"> <li>• AW louver finish – 3.72:1</li> <li>• ESS louver finish – 3.31:1</li> <li>• BZ louver finish – 2.75:1</li> </ul> <p>B0 U1 G1 BUG rating</p>



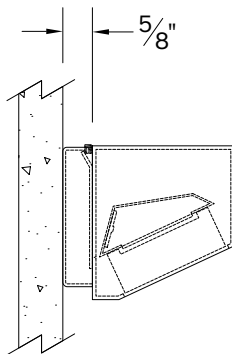
## LOUVER

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



## MOUNTING


ORDERING CODE	DESCRIPTION
SM1	<p>SURFACE/RECTANGULAR WALL BOX MOUNT</p> <p>Mounting option includes:</p> <ul style="list-style-type: none"> <li>• 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)</li> </ul>



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## OPTIONS

ORDERING CODE	DESCRIPTION	SPECIFICATIONS
	ED EMERGENCY LED DRIVER	<ul style="list-style-type: none"><li>• Universal 120-277V input voltage emergency driver delivers initial minimum power of 10W for 90 minutes</li><li>• Available for 4' nominal length non-dim or 0-10V fixture only (consult factory for all other lengths/drivers)</li><li>• Provided with combination test switch/indicator light mounted to wall plate for remote installation</li></ul>

## EPA CALCULATIONS

LENGTH ORDER CODE	EPA
22	0.99 ft <sup>2</sup>
33	1.49 ft <sup>2</sup>
44	1.99 ft <sup>2</sup>
55	2.48 ft <sup>2</sup>
66	2.98 ft <sup>2</sup>
77	3.48 ft <sup>2</sup>
88	3.97 ft <sup>2</sup>

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## LENGTH/MOUNTING DIMENSIONS

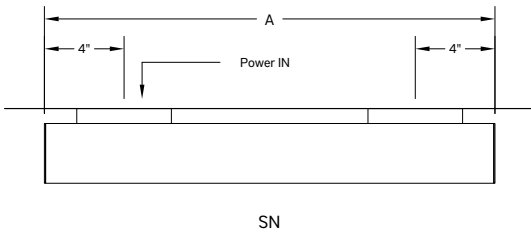
ORDERING CODE	LENGTH A
22	22: 22-3/8"
33	33: 33-3/8"
44	44: 44-3/8"
55	55: 55-3/8"
66	66: 66-3/8"
77	77: 77-3/8"
88	88: 88-3/8"

## 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

