AO28 Series

Utility LED Luminaire

PROJECT: **TYPE:**

Features

Decorative lighting for residential roadway and commercial property, where independent fixture control is desired. The AO28 Series consists of an efficient Type III *(T3)* or Type V *(T5)* refractive acorn combined with one of several styles of cast aluminum fitters. Powered by the Amerlux patented AVISTA® LED system with options for intensity, distribution and color.

DUFx-AO28

Product Overview

Wattage:	up to 86W
Lumen Output:	up to 10,943 lm; up to 143 lm/W
Color Temp:	2700K, 3000K, 4000K
Dimming:	0-10V dimming Manual onboard dimming option available

Certifications

5 year limited warranty AMERLUX LED

POWDER COATED TOUGH™

Electrostatic sensitive device, observe precautions for handling

Fixture Summary

Installation:
The luminaire will mount to a 3" OD post or tenon with 5/16" black oxide coated stainless steel set screws to ensure a solid connection. The diffuser will be held to the fitter by *(4)* 5/16"-18 square head, black oxide coated stainless steel set screws.

Electrical:
- Over voltage and short circuit protected driver
- Series connected 10kV/20kA surge protector
- Automatic AC incoming voltage sensing *(120V–277V)*
- 347V/480V option consult factory
- 0-10V dimming
- 7 pin twistlock receptacle included *(photocell optional)*
- Optional 3 pin twistlock receptacle available, consult factory
- Optional Socket only version available, consult factory

Diffuser Choices:
- Acrylic Type III
- Acrylic Type V

CCT, CRI:
- 2700K, 80CRI
- 3000K, 70CRI
- 4000K, 70CRI

Power Level:
(see performance chart for output)
- 30W
- 44W
- 60W
- 86W

L70:
72,000+ hrs.

Finish:
Durable thermoset polyester powdercoat finish in the following:
- Satin Black
- Classic Bronze
- Gloss Textured Bronze
- Green
- Gloss Textured Black
- Textured Black
- Gloss Textured Green

Accessories:
- Cast aluminum finial
- Twistlock photocell
- Optional onboard field selectable output switch for dimming

ETL listed, suitable for wet locations.

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Amerlux reserves the right to change details that do not affect overall function and performance.

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amerlux

PROJECT:	TYPE:

Ordering Information

_____.____.AVI-G3-SY.____.____.____.____.____

1 2 3 4 5 6 7

1	Model
	DUF1-AO28
	DUF4-AO28
	DUF34-AO28
	DUF37-AO28

2	Diffuser Material - Distribution
	AC-T3 acrylic type III
	AC-T5 acrylic type V

3	LED System
	AVI-G3-SY Avista light engine with symmetrical distribution

4	Light Distribution
	27 2700K
	30 3000K
	40 4000K

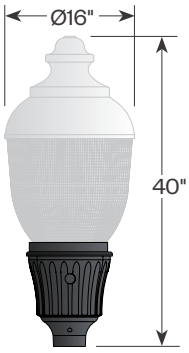
5	Power Level
	P1 30W
	P2 44W
	P3 60W
	P4 86W
	120V-277V auto-sensing driver is standard. Consult factory for 347V/480V option.

6	Finish
	BLK satin black
	CLB classic bronze
	GBZ gloss textured bronze
	GRN green
	GTB gloss textured black
	TBK textured black
	TGR gloss textured green
	CSTM custom

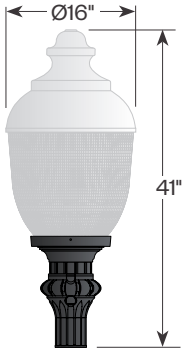
7	Accessories
	CFIN cast aluminum finial
	TW-PCL twistlock photocell
	3PIN 3-pin twistlock receptacle
	FSO field selectable output *(to allow manual dimming, not available for use with the standard 7 pin receptacle)*
	Note: All fitters include a 7-pin twistlock receptacle and an access door with window for the photocell. The photocell device is optional.

***Please Note**: Fixture is available with optional Medium base (MDO) or Mogul base (MGO) socket only. Consult factory for details.*

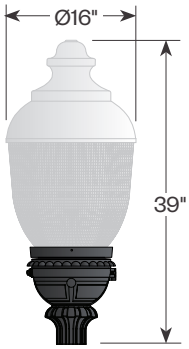
Product Details



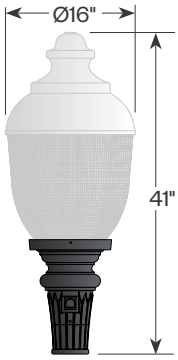
DUF1-AO28



DUF4-AO28

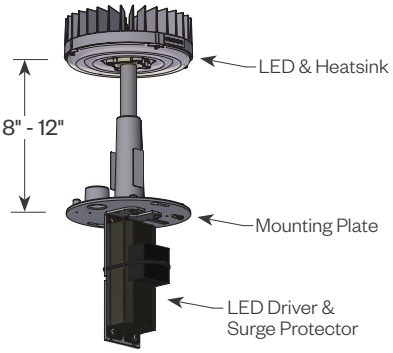


DUF34-AO28



DUF37-AO28

Avista Light Engine



AVI-G3

Weight: 6.2 - 6.6 lbs*

* Weight varies with Power ouput due to variances of the driver.

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PROJECT: **TYPE:**

Performance Data - Engine Only

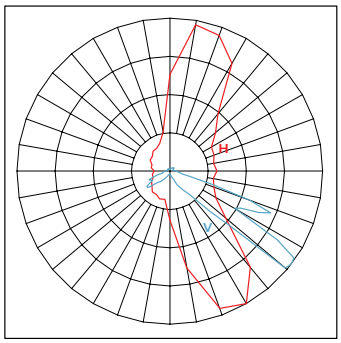
Multiplying Factors: *(Multiplying Factor is based on 3000K IES file on website)*

CCT:	2700K	3000K	4000K
Factor:	0.91	1.0	1.05

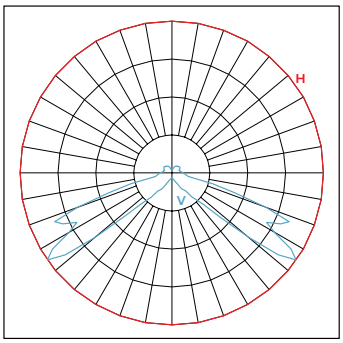
Model	CCT	Power Level	System Watts	LED Engine Lumens	LED Engine LPW
AVI-G3 -SY	27	P1	30	3651	122.9
	30			4034	135.8
	40			4246	143.0
	27	P2	44	5245	119.2
	30			5794	131.7
	40			6099	138.6
	27	P3	60	7026	116.1
	30			7762	128.3
	40			8170	135.0
	27	P4	86	9411	109.4
	30			10394	120.9
	40			10943	127.2

Approximate lumens delivered from raw light engine.

Typical Light Distribution



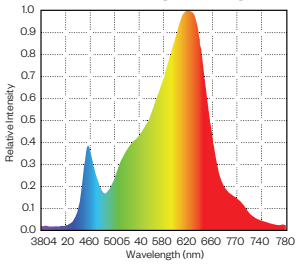
T3 Diffuser



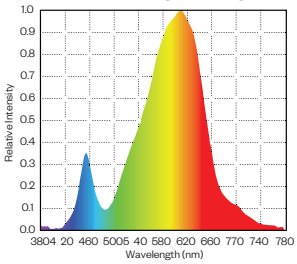
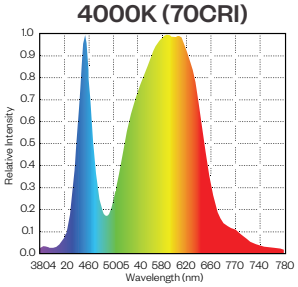
T5 Diffuser

Spectal Power Distribution

2700K (80CRI)



3000K (70CRI)



4000K (70CRI)