

# AO28 Series

## Utility LED Luminaire



### Features

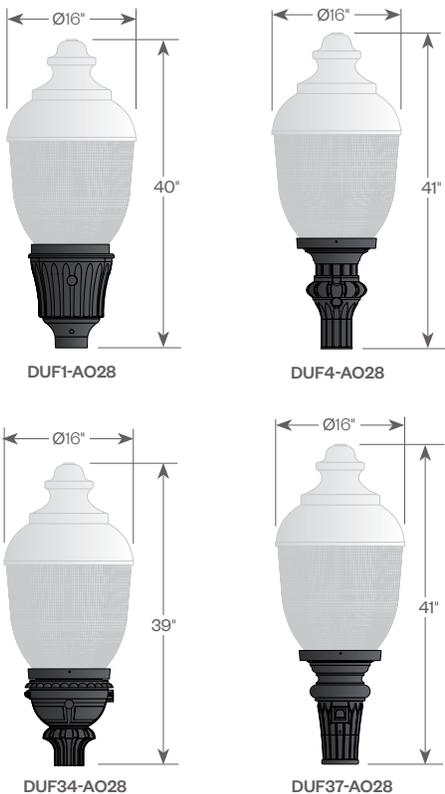
Decorative lighting for residential roadway and commercial property, where independent fixture control is desired. The AO28 Series consists of an efficient Type III (T3) or Type V (T5) refractive acorn combined with one of several styles of cast aluminum fitters. Powered by the Amerlux patented AVISTA®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

### Product Overview

Wattage:	up to 86W
Lumen Engine 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

### PROJECT:

### TYPE:



### 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) 1/4"-20 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
- 3 pin twistlock receptacle included (photocell optional)
- Optional 7 pin twistlock receptacle available, consult factory

### Diffuser Choices:

- Acrylic Type III (AC-T3)
- Acrylic Type V (AC-T5)
- Polycarbonate Type III (PC-T3)
- Polycarbonate Type V (PC-T5)

### CCT:

- 2,700K (27)
- 3,000K (30)
- 4,000K (40)

### Power Level:

(see performance chart for output)

- P1 (30W)
- P2 (44W)
- P3 (60W)
- P4 (86W)

### L70:

72,000+ hrs.

### Finish:

Durable thermoset polyester powdercoat finish in the following:

- Satin Black (BLK)
- Classic Bronze (CLB)
- Gloss Textured Bronze (GBZ)
- Green (GRN)
- Gloss Textured Black (GTB)
- Textured Black (TBK)
- Gloss Textured Green (TGR)

### Accessories:

- Cast aluminum Finial (CFIN)
- Twistlock Photocell (TW-PCL)

ETL listed, suitable for wet locations.



5 year limited warranty  
AMERLUX LED



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PROJECT:

TYPE:

## Ordering Information



1	2	3	4
Model	Diffuser Material - Color	LED System	CCT
DUF1-AO28	AC-T3 acrylic Type III	AVI-G3-SY Avista light engine, with symmetrical distribution	27 2700K
DUF4-AO28	AC-T5 acrylic Type V		30 3000K
DUF34-AO28	PC-T3 polycarbonate Type III		40 4000K
DUF37-AO28	PC-T5 polycarbonate Type V		

5	6	7
Power Level	Finish	Accessories
P1 (30W)	BLK satin black	CFIN cast aluminum finial
P2 (44W)	CLB classic bronze	TW-PCL twistlock photocell
P3 (60W)	GBZ gloss textured bronze	7PIN 7-pin twistlock receptacle
P4 (86W)	GRN green	<b>Note: All fitters include a 3-pin twistlock receptacle and an access door with window for the photocell. The photocell device is optional.</b>
<i>120V-277V auto-sensing driver is standard. Consult factory for 347V/480V option.</i>	GTB gloss textured black	
	TBK textured black	
	TGR gloss textured green	
	CSTM custom	

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

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**PROJECT:**

**TYPE:**

## Engine Only Performance

ALL IES files supplied are 3000K.

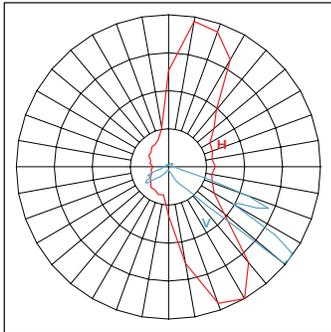
For 2700K use a 0.905 multiplier; For 4000K use a 1.05 multiplier.



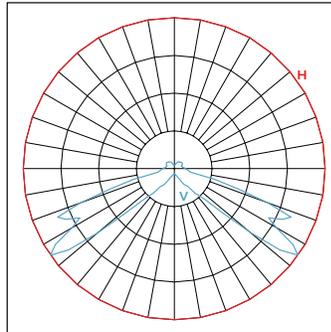
Model	CCT	Power Level	System Watts	LED Engine Lumens	LED Engine LPW
AVI-G3-SY	27	P1	30	3651	122.9
	30			4034	135.8
	40			4246	143.0
	27	P2	44	5245	119.2
	30			5794	131.7
	40			6099	138.6
	27	P3	60	7026	116.1
	30			7762	128.3
	40			8170	135.0
	27	P4	86	9411	109.4
	30			10394	120.9
	40			10943	127.2

Approximate lumens delivered from raw light engine.

## Typical Light Distribution



T3 Diffuser



T5 Diffuser