

# Piccolo 45

Specification code: AP-ACO-PIC45

Micro 45° linear LED fixture with integrated milky lens, engineered to create fine lines of light in tight architectural applications.



## Product description:

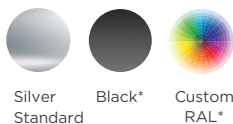


Piccolo 45 is a special micro fixture that measures 0.26 x 0.26 in. (6.6 x 6.6 mm) with a flat milky lens presented at 45° to create fine lines of light in tight spaces, corners and under cabinets. It is sold in custom lengths ranging from 2.43 in. (61.8 mm) to 6 ft. 6.81 in. (2001.8 mm) in increments of 0.2 in. (5 mm). Piccolo 45 features a unique IP20 micro RibbonLyte that provides 90+ CRI in six available CCTs ranging from 2200K to 4000K.

## Key features:

- 2.9 W/ft (9.6 W/m)
- 0.26 in. (6.6 mm) wide by 0.26 in. (6.6 mm) high
- Mount with Mounting Clips or VHB tape (sold separately)
- Smallest fixture at 2.43 in. (61.8 mm) including end caps
- Sold in 0.2 in. (5 mm) increments up to 6 ft. 6.81 in. (2001.8 mm)
- 120° beam angle presented at 45°
- Flat milky lens
- 61 LEDs/ft (200 LEDs/m)
- 90+ CRI
- IP20 rating for indoor use

### HOUSING FINISHES



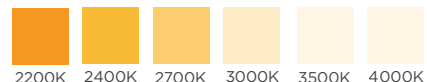
\* Consult factory. Additional fee and MOQ apply.

### AVAILABLE LENS FINISH

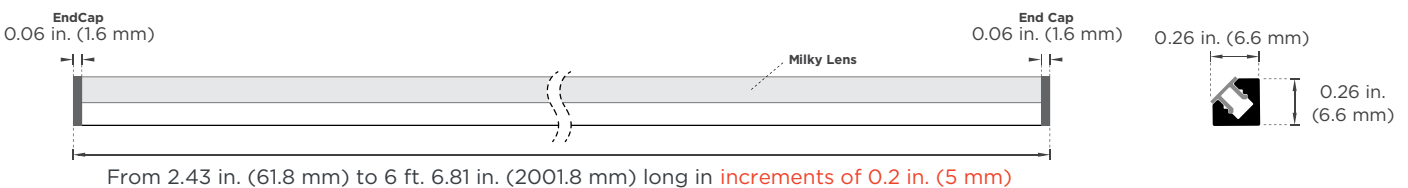


Milky Lens

### AVAILABLE COLOR TEMPERATURES



## DIMENSIONS



## ORDERING GUIDE

Model	Wattage	Color Temp.		LENS	HOUSING COLOR
PIC45	2.9			M	
PIC45 - The Piccolo 45 Fixture	2.9 - 2.9 W/ft (9.6 W/m)	22 - 2200K	30 - 3000K	M - Milky Lens	SV - Silver (default)
		24 - 2400K	35 - 3500K		BK - Black*
		27 - 2700K	40 - 4000K		Consult factory for custom colors. Additional fee and MOQ apply.

**NOTE:** The Piccolo is sold as a complete custom fixture. Cutting a Piccolo fixture in the field will void the warranty.  
\* Consult factory. Additional fee and MOQ apply.

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## SPECIFICATIONS

Beam Angle	120° beam angle presented at 45°
Lens Type	Milky Lens
Length	Smallest fixture at 2.43 in. (61.8 mm) including end caps. Sold in 0.2 in. (5 mm) increments up to 6 ft. 6.81 in. (2001.8 mm)
Maximum Daisy Chained Fixture Length	9 ft 10 in. (3 m)
Operating Voltage	24 V
Dimming	MLV / 0-10 Volt / ELV / DALI / DMX
Operating Temperature	-40 – 158 °F (-40 – 70 °C)
Colors	2200K, 2400K, 2700K, 3000K, 3500K, 4000K
CRI	90+ CRI
Power Feed Option	End feed
Lifetime (L70 reported)	50,000 hours
MacAdam ellipse (SDCM)	2-Step Binning (For Static White LEDs only)
Certifications	UL Listed UL 2108 Issued: 2004/02/27 Ed: 1 Rev: 2014/02/24 Low Voltage Lighting Systems CSA C22.2#9.0 Issued: 1996/06/01 Ed: 1 (R2011) General Requirements for Luminaires; with Gen. Inst. 1: 1997, Gen Inst. 2: 1998. ROHS compliant, CE

## ACCESSORIES

<b>Mounting Clip (included accessory)</b>			<b>End Caps (included accessory)</b>	
<b>Side View</b> 	<b>Top View</b> 	<b>Assembled View</b> 	<b>Front View</b> 	<b>Side View</b> 
<b>0.2 in. VHB Tape (sold separately)</b>				
				Provides superior holding power. Available in 16 ft 4.8 in. (5 m) reels. Part Number: VHBTAPE0.2CL

## RIBBONLYTE SPECIFICATIONS

Cuttable Length	LED Pitch	Color Temperature	lm/W without Lens	Delivered Lumens with Milky Lens
0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	2200K	115	131 lm/ft (430 lm/m)
		2400K	124	139 m/ft (455 lm/m)
		2700K	130	146 lm/ft (480 lm/m)
		3000K	135	152 lm/ft (500 lm/m)
		3500K	140	157 lm/ft (515 lm/m)
		4000K	148	166 lm/ft (545 lm/m)

**NOTE:** The Piccolo 45 is sold as a complete custom fixture. Cutting a Piccolo fixture in the field will void the warranty.

24V DIMENSIONS	<b>Top View</b> <p>CUTTABLE EVERY: 0.2 in (5 mm)</p>	<b>Side View</b> 	<b>Dimensions</b> Width 0.2 in (3 mm) Max Length 6 ft 7 in. (2 m) Height 0.06 in (1.45 mm)
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## AVAILABLE DRIVERS OPTIONS / WIRE GAUGE CHART

NON-DIMMING ELECTRONIC DRIVERS		O-10V/ELV/MLV 3-IN-1		O-10V VW/WD			
							
<p>30W, 60W, 96W Non-Dimming Electronic Class 2 Drivers</p> <p>Part No.: • DRVW2430 (30 W) • DRVW2460 (60 W) • DRVW2496 (96 W)</p> <p>24 VDC 120-277 VAC IP65, dry/damp locations UL Listed</p>	<p>240W, 320W Non-Dimming Electronic Drivers</p> <p>Part No.: • DRVW24240 (240 W) • DRVW24320 (320 W)</p> <p>24 VDC 90-305 VAC IP65, dry/damp locations UL Recognized</p>	<p>60W, 96W Non-Dimming Compact Drivers</p> <p>Part No.: • DRV2460C (60 W) • DRV2496C (96 W)</p> <p>24 VDC 120-277 VAC IP20, dry locations UL Class P</p>	<p>60W, 96W, 288W O-10V/ELV/MLV 3-in-1 Dimmable Drivers</p> <p>Part No.: • DRVW2460TRI010 (60 W) • DRVW2496TRI010 (96 W) • DRVW24288TRI010 (288 W)</p> <p>24 VDC 120-277 VAC IP65, dry/damp/wet locations UL Listed</p>	<p>O-10V Dimmable 90W VW/WD Driver</p> <p>Part No.: • DRVRFWDVW2490120</p> <p>24 VDC 100-277 VAC IP23, dry/damp locations UL Listed</p>			
ATHENA WIRELESS COMPATIBLE		CASAMBI COMPATIBLE DRIVERS		DIMMABLE DALI-2 DRIVERS		DIMMABLE DALI-2 DRIVERS	
							
<p>94W Athena Wireless Compatible Drivers</p> <p>Part No.: • DRVW2494ATHICH (1 channel) • DRVW2494ATH2CH (2 channel)</p> <p>24 VDC 100-277 VAC Dry locations UL Listed</p>	<p>100W &amp; 200W Casambi Compatible 4 Channel Drivers</p> <p>Part No.: • DRVW24100CAS4CH (100 W) • DRVW24200CAS4CH (200 W)</p> <p>24 VDC 100-277 VAC IP66, dry/damp/wet locations UL Listed, CE, RoHS, Bluetooth, CASAMBI</p>		<p>96W DIMMABLE DALI-2 DT6 D4I &amp; DALI-2 DT8 D4I DRIVERS</p> <p>Part No.: • DRVW2496DALI1CH (1 channel) • DRVW2496DALI2CH (2 channel)</p> <p>24-26 VDC 120-277 VAC IP67, dry/damp/wet locations UL Listed</p>		<p>75W, 150W, 240W DALI-2 Dimmable Drivers</p> <p>Part No.: • DRVW2475DALI1CH (75 W, 1 channel) • DRVW24150DALI1CH (150 W, 1 channel) • DRVW24240DALI1CH (240 W, 1 channel) • DRV24150DALI2CH (150 W, 2 channels) • DRV24150DALI4CH (150 W, 4 channels)</p> <p>24 VDC 120-277 VAC IP67, damp/wet locations (1-channel drivers only) IP20, dry location (2-channel &amp; 4-channel drivers only) CE, RoHS, SELV</p>		

### DRIVER AND RIBBONLYTE AT FULL LOAD

Wattages	30		60		96		150		200		240		300		320	
	Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	
24 AWG / 0.25 mm2	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG / 0.34 mm2	22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37	3.5	1.07	2.75	0.84	2.75	0.84
20 AWG / 0.5 mm2	35	10.67	23	7.01	14	4.27	9	2.74	7	2.13	5.75	1.75	4.5	1.37	4.25	1.30
18 AWG / 0.75 mm2	56	17.07	37	11.28	23	7.01	15	4.57	11	3.35	9	2.74	7.5	2.29	7	2.13
16 AWG / 1.5 mm2	90	27.44	60	18.29	37	11.28	24	7.32	18	5.49	15	4.57	12	3.66	11	3.35
14 AWG / 2.5 mm2	142	43.29	95	28.96	59	17.99	38	11.59	28	8.54	23	7.01	19	5.79	17	5.18
12 AWG / 4 mm2	226	68.90	151	46.04	94	28.66	60	18.29	45	13.72	37	11.28	30	9.15	28	8.54
10 AWG / 6 mm2	360	109.76	240	73.17	150	45.73	96	29.27	72	21.95	60	18.29	48	14.63	45	13.72
8 AWG / 10 mm2	574	175.00	381	116.16	239	72.87	153	46.65	115	35.06	95	28.96	76	23.17	71	21.65

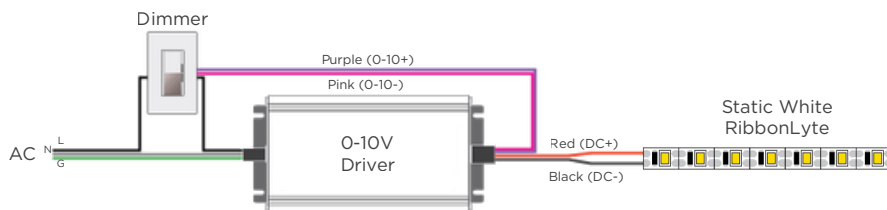
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## WIRING DIAGRAMS

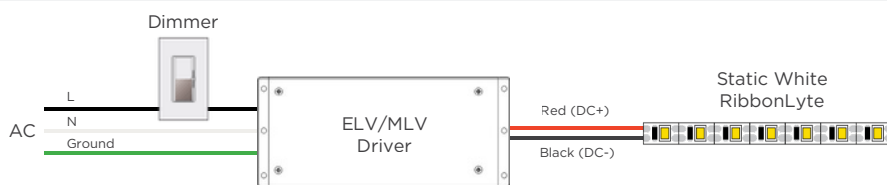
### 0-10 V



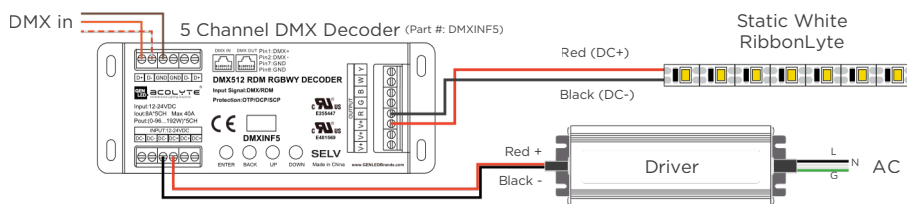
### WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE  
 Red Wire (+) Positive  
 Black Wire (-) Negative

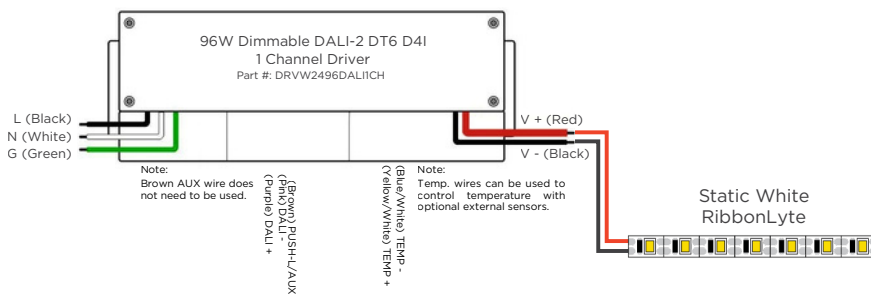
### MLV / ELV



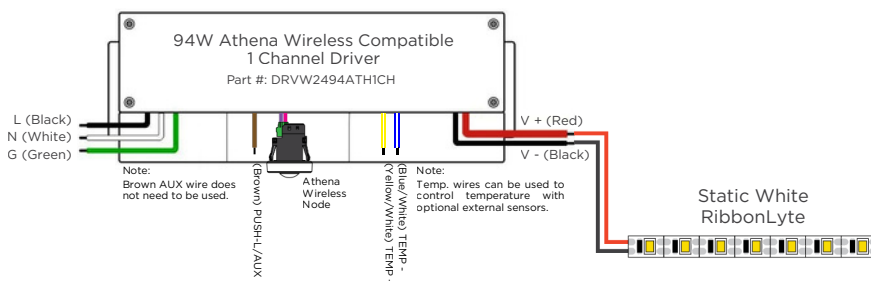
### DMX WIRING WITH STATIC WHITE RIBBONLYTE



### DALI-2 WIRING WITH STATIC WHITE RIBBONLYTE



### STATIC WHITE RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



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