

ATX LED

100% DC low voltage

E26 / E12 LED Lights Low Voltage (9 to 48 vdc) Direct Current Controlled

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E26 / E12 series

**Standard Edison
Screw in Bulbs**

Bright LEDs, Cool Operation

		
Frosted E26 A19	Filament E26 A60 A19 Style	Filament E12 C35 style

Technical specifications

LED type	Filament
CRI	80 and 90 options
Operating current	0 to 660 mA
Maximum current / wattage	6 watts / 660 mA / 9 Volts typ.
Lumens	540
Color Temperature	3 options available
Operating Voltage	7.5 to 9.0 volts
Recommended wiring	Series, 4 or 5 bulbs in series sharing one driver
Constant Voltage drivers	Not Recommended
Operating Temperature	-20 to 50 Deg C non condensing

Operating Concept

Over the 125 years since the Edison light bulb was invented, and the E26 bulb base became the world wide standard, many very interesting fixtures have been designed. ATX LED enables those fixtures to be used with efficient, dimmable, lighting. Our E26 and E12 series offer the same quality of dimming in a screw in bulb base.

Single bulb fixtures require no special consideration – 10 pendants can easily be connected to a single ATX wall switch with perfect dimming.

Multi bulb fixtures can be supported either by our CV modules with 48v operation, or by our 660 mA DCC model. The decision is yours. DCC offers higher quality dimming, CV offers upgradeability to tunable white. Our videos show both methods.

Wiring Options

Available in 3 different dimming styles, 2 different socket styles, 2 different filament styles, the ATX E26 and E12 series offers the same dimming controls as our P023 and DL series of downlights. These are driverless designs – the driver can be located up to 150 ft from the LEDs – since constant current eliminates the concerns about voltage drop.

The models are:

- a) DCC – Direct Current Controlled. The voltage per LED is between 7.5 and 9 volts, with current from 0-660 mA for perfect flicker free dimming to 0.16%. Up to 5 LEDs are wired in series, and two series circuits are wiring to each AL-WS-DR2 for applications from 1 to 10 bulbs. Fixed color temperature, 3 color temperature options, Frosted and Filament style bulbs
- b) CV – Controlled by Voltage. The Brightness is constant from 44v to 56 volts, and dimming down to 5% is possible over a 44 to 38 volt range using any ATX LED wall switch. Fixed color temperature, 3 color options
- c) CV-WiFi – Controlled by WiFi. The Brightness and Color temperature are controlled by Wifi – with scheduling and full cloud control with Alexa, Google, Siri and so on. 48 Volt operation is the same as all ATX LED products.

Model	2700	3000	3500	3850	4000	5000
CCT	X	----->				X
Fixed		X	X		*	

X= Stock, * = on request

Other LED Specifications

Model	Hole in Ceiling mm	Drill Size Inch	Finished Outside Diameter mm	Watts	Volts	Lm/W	mA	Wiring*
P023R6-660	102	4"	120	6	9	90	660	S
P023R6-48v6w	102	4"	120	6	48	90	120	P
P023R11-1440	169	6 5/8"	188	12	9	100	1440	S
P023R11-48v12W	110	4 1/4"	120	6.0	21	90	240	P
MS31008	70	3	85	5.4	9	90	600	S
DL-120	102	4	120	6	9	130	660	S
E26-A60	Bulb	-	-	6	9	80	660	S
E26-A60-48v6w	Bulb	-	-	6	48	80	120	P
E12-C35	Bulb	-	-	6	9	80	660	S
E12-C35-48v6w	Bulb	-	-	6	48	80	120	P
P023S12-1440	Strip	3/4	4500	12	9	120	1440	S

*S is serial

*P is parallel

[Recommended DC Drivers with dimming*](#)

N = # of LEDs

DC drivers *	Fixed Color	Tunable White	WiFi	DALI
AL-WS-DR1	5			
AL-WS-DR2	10	5		X
AL-WS-DR2C	10	5		
AL-WS-DR2W	10	5	X	
AL-WS-DR4	16	10		
AL-WS-DR4W	16	10	X	
AL-WS-DR4D	16	10		X
AL-WS-Bath	5			
AL-WS-S2**	10			
AL-WS-S4	16			
LDD-600H	5			
LDD-600HDA	5			X

*51 volt DC input ** no dimming function

Examples of AC Drivers with Dimming

N = # of LEDs

AC drivers from 120 / 240 vac to DC currents	Fixed Color	Tunable White	0-10v	DALI	DMX
SMT-086-0700CM	9			X	
SR-2309-75CCT		5		X	
WP-80-40A-2AM	8	4	X		
DMX-50-500-1750	6				X
And more.....					

Ordering part numbers

Model	Voltage	Current	CCT	CRI	Lumens	Note
RL-E26-660mA-2700K	7.5-9	0-660mA	2700K	80, 90	540	Filament
RL-E26-660mA-3500K	7.5-9	0-660mA	3000K	80, 90	540	Filament
RL-E26-660mA-4000K	7.5-9	0-660mA	3500K	90	540	Filament
RL-E26-48v6w-2700K	44-56v	10-130mA	2700K	90	540	Filament
RL-E26-48v6w-4000K	44-56v	10-130mA	4000K	90	540	Filament
ATX-E26-660mA-3000K	7.5-9	0-660mA	3000K	90	540	Frosted
ATX-E26-660mA-3500K	7.5-9	0-660mA	3500K	90	540	Frosted
ATX-E26-660mA-4000K	7.5-9	0-660mA	4000K	90	540	Frosted
RL-E12-660mA-2700K	7.5-9	0-660mA	2700K	90	540	Filament
RL-E12-660mA-3500K	7.5-9	0-660mA	3000K	90	540	Filament
RL-E12-660mA-4000K	7.5-9	0-660mA	3500K	90	540	Filament
RL-E26-CCT-WiFi	48v	150 mA	2700-5000K	90	540	Filament