

Tesla® ACOB TRL57-11W-XXK-120

Product Summary

120VAC - AC LED COB MODULE
SINGLE-CCT / Flicker Free / Low THD
60mm dia 11 Watt 1065 lm



Introduction

Tesla high voltage ACOB LED modules are fast, easy and reliable LED light sources for lighting OEMs in need of LED solutions that offer direct AC line voltage connectivity.

Lynk Low THD Technology provides under 20% ATHD and a power factor of better than 0.99 for applications demanding minimal EMC disturbance.

With a flicker index of under 30%, these modules are fully T24 compliant.

Features

- 120V Direct Connect - No Drivers/PSU's
- Lower Cost - Higher Reliability ACOB Module
- California Title 24 Compliant
- California Title 20 Compliant (with Edison connector)
- Low Flicker (<30%)
- Works with most existing AC Triac Dimmers
- High Efficiency,
- High Power Factor >0.99
- Low THD <20%
- Significant Energy Savings

Applications

- Down Lighting / Recessed
- Track
- Flush mounts,
- Ceiling Fans,
- Indoor/Outdoor General line voltage Illumination
- Ideal for commercial, hospitality and residential

Electrical & Optical Characteristics

ITEM	SYMBOL	CONDITION	UNIT	MIN.	TYP.	MAX.
Drive Voltage	V _{op}		V _{rms}	100	120	140
Viewing Angle	2θ _{1/2}	V _{op} =120V	deg	110	120	130
Power Factor	PF	V _{op} =120V			>0.99	
Typical Operating Power	P _d	V _{op} =120V	W	9.9	11	12.1
Correlated Color Temperature	CCT	V _{op} =120V	°K	MacAdam 3 Step		
Color Rendering Index, CRI	R _a	V _{op} =120V			80/90	
Light Emitting Surface - dia.	LES		mm		14	
Luminous Flux (3000K, 80 CRI, 55°C)	Φ	V _{op} =120V	lm	969	1065	
Luminous Efficacy (3000K, 80 CRI, 55°C)	η _v	V _{op} =120V	lm/w	88	97	
THD (I)	ATHD	V _{op} =120V	%			<20
% Flicker (Index)	% FLK	V _{op} =120V, 60Hz	%		<30% (.090)	