



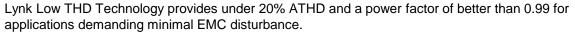
## Tesla® ACOB TRL57-15W-XXK-120

### **Product Summary**

120VAC - AC LED COB MODULE SINGLE-CCT / Flicker Free / Low THD 60mm dia 15 Watt 1452 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.



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



- > 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%)

# **Applications**

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

- Works with most existing AC Triac Dimmers
- High Efficiency,
- ➤ High Power Factor >0.99
- ➤ Low THD <20%
- Significant Energy Savings

#### Electrical & Optical Characteristics

ITEM		SYMBOL	CONDITION	UNIT	MIN.	TYP.	MAX.
Drive Voltage		Vop		Vrms	100	120	140
Viewing Angle		2θ½	Vop =120V	deg	110	120	130
Power Factor		PF	Vop =120V			>0.99	
Typical Operating Power		Pd	Vop =120V	W	13.5	15	16.5
Correlated Color Temparature		ССТ	Vop =120V	°K	MacAdam 3 Step		
Color Rendering Index, CRI		Ra	Vop =120V			90	
Light Emitting Surface - dia.		LES		mm		14	
Luminous Flux (3000K, 80 CRI, 55°C)		Ф	Vop =120V	lm	1321	1452	
Luminous Efficacy (3000K, 80 CRI, 55°C)		$\eta_{\rm v}$	Vop =120V	lm/w	88	97	
THD (I)		ATHD	Vop =120V	%			<20
% Flicker (Index)		% FLK	Vop =120V, 60Hz	%	<30% (.090)		