



# BX-COB135L

## High CRI LED

### PRODUCT:

13.5 MM CHIP ON BOARD LED

### FEATURES:

10W nominal 13.5 mm x 13.5 mm x 0.7 mm LED

120° emission angle

93 min CRI

### DESCRIPTION

Yuji LED's high CRI COB provides excellent color rendering in a form factor that allows for high light output density. Providing 95 CRI (typical) at 110 lm/W, this mid-power LED can be used in a variety of applications demanding high color quality and performance.



ELECTRICAL-OPTICAL CHARACTERISTICS (T <sub>c</sub> = 25 °C)							
PARAMETER	SYMBOL	VALUE			UNIT	TOLERANCE	CONDITION
		MIN.	TYP.	MAX.			
Forward Voltage	V <sub>f</sub>	14	--	16	V	±0.05	I <sub>f</sub> =700mA
Luminous flux	Φ <sub>2700K</sub>	850	--	950	lm	--	I <sub>f</sub> =700mA
	Φ <sub>3200K</sub>	900		1000			
	Φ <sub>4000K</sub>	950		1050			
	Φ <sub>5600K</sub>	1050		1150			
Color temperature	CCT <sub>2700K</sub>	2550	2700	2850	K	--	I <sub>f</sub> =700mA
	CCT <sub>3200K</sub>	3050	3200	3350			
	CCT <sub>4000K</sub>	3800	4000	4200			
	CCT <sub>5600K</sub>	5300	5600	5900			
Color rendering index	R <sub>a</sub>	90	93	--	--	--	I <sub>f</sub> =700mA
TCS R9 (CRI Red)	R <sub>9</sub>	--	70	--	--	--	I <sub>f</sub> =700mA
Chromaticity coordinates	(X,Y)	--	--	--	--	±0.005	
Reverse Current	I <sub>r</sub>			10	μA	±0.1	V <sub>r</sub> =25V
Viewing angle	2θ <sub>1/2</sub>		120		Deg	±5	I <sub>f</sub> =700mA

ORDERING INFORMATION		
PART NUMBER	CCT	CHROMATICITY BINS
BX-COB135L-27	2700K ± 150K	F6-1, F9-1, F5-2, F8-2
BX-COB135L-32	3200K ± 150K	F4-2, F7-2, F5-1, F8-1
BX-COB135L-40	4000K ± 200K	D4-1, D4-2, D6-1, D6-2
BX-COB135L-56	5600K ± 300K	B8-2, B10-2, C3-1, C5-1
BX-COB135L-XX	CUSTOM	