

PRODUCT:

1-FT VTC5730 24V LED MODULE

ISO3664:2009 compliant partly

FEATURES:

280 mm x 20 mm x 2.0 mm MCPCB Linear Module

Integrated SMD connector

Zhaga compliant

120° emission angle

95 min CRI



DESCRIPTION

YUJILEDS™ high CRI 5730 LED module provides a convenient PCB solution for high CRI LED applications. Providing 97 CRI, this versatile LED module can be used in a variety of applications demanding high color quality and performance.

ELECTRICAL-OPTICAL CHARACTERISTICS (T_A = 25 °C)

PARAMETER	SYMBOL	VALUE			UNIT	TOLERANCE	CONDITION
		MIN.	TYP.	MAX.			
Forward current	I	340	--	380	mA	±5	V = 24 V
Luminous flux	Φ _{D50}	--	480	--	lm	--	
Correlated color temperature	CCT _{D50}	--	5000	--	K	--	
Color rendering index	Ra	95	97	--	--	--	
TCS R1-R15 average	Re	--	90	--	--	--	
Viewing angle	2θ _{1/2}	--	120	--	Deg	±5	

ABSOLUTE MAXIMUM RATING (T_A = 25 °C)

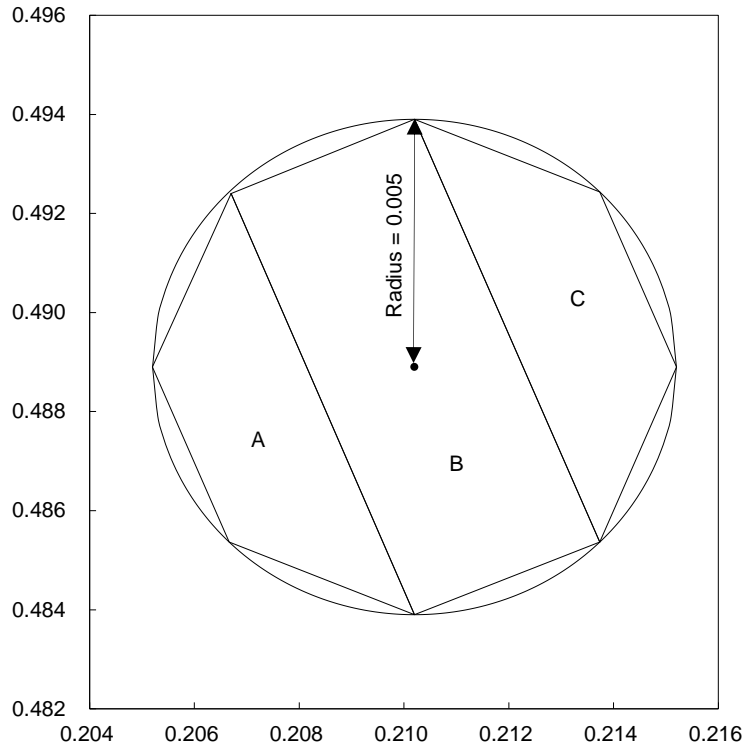
PARAMETER	SYMBOL	LIMIT	UNIT
Power Consumption	P _D	11.3	W
DC Forward Voltage	V _F	25	V
Junction Temperature	T _j	125	°C
Case Temperature*	T _c	PENDING	°C
Solder Point Temperature*	T _s	105	°C
Operating Temperature	T _{opr}	-45 ~ +85	°C
Storage Temperature	T _{stg}	-45 ~ +85	°C



CHROMATICITY BINS & COORDINATES								
CIE 1976 COORDINATES								
Center point	U' ₁₀				V' ₁₀			
	0.2102				0.4889			
Tolerance radius	0.005							
Bin code	U'0	V'0	U'1	V'1	U'2	V'2	U'3	V'3
A	0.2067	0.4924	0.2052	0.4889	0.2067	0.4854	0.2102	0.4839
B	0.2067	0.4924	0.2102	0.4839	0.2137	0.4854	0.2102	0.4939
C	0.2137	0.4854	0.2152	0.4889	0.2137	0.4924	0.2102	0.4939
CIE 1931 COORDINATES								
Center point	X ₁₀				Y ₁₀			
	0.3478				0.3596			
Tolerance radius	--							
Bin code	X0	Y0	X1	Y1	X2	Y2	X3	Y3
A	0.3470	0.3673	0.3414	0.3616	0.3398	0.3547	0.3428	0.3507
B	0.3470	0.3673	0.3428	0.3507	0.3487	0.3519	0.3530	0.3687
C	0.3487	0.3519	0.3542	0.3576	0.3560	0.3645	0.3530	0.3687

CHROMATICITY BINS & COORDINATES

CIE 1976 COORDINATES



CONVERT TO CIE 1931 COORDINATES

