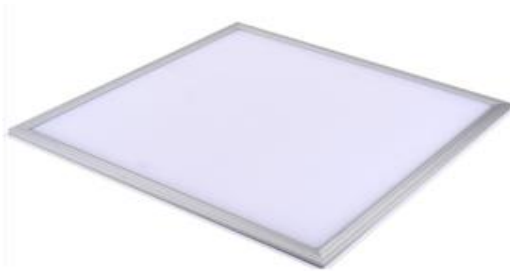**SUPERB KINGDOM LIMITED**

Room7A, 9/F., Block B, Hong Kong Industrial Centre
489-491 Castle Peak Road, Lai Chi Kok, Kowloon, Hong Kong
Telephone: (+852) 3954 5598

Lighting Type:	Panel Light	Description:	SEGULA DMX Stage Lighting Panel
Manufacturer:	SEGULA	Article Code:	PL480-RGBW
Location:			

SEGULA LED Panel Light

Product Feature

* Precision German Engineering
* IP20 Waterproof Design
* No Flicker LED-No interference on Smart Phone, CCTV,
   Live Video and Web Camera
* Industrial Grade Aviation Aluminum Ensures Heat Dissipation
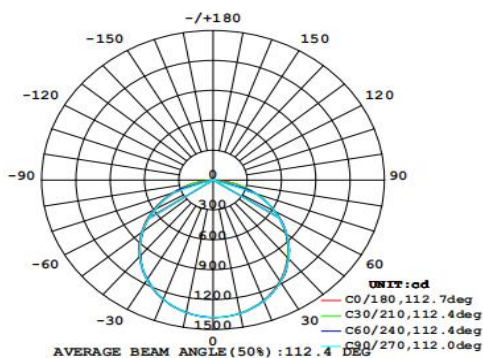* Smooth and Uniform Lighting with No Hotspot

Description

Dimension:	L480*W480*H140mm
Material:	Aluminum +PMMA
Input:	DC30-36V
System Power:	36W
Light Source:	CREE LED
Color Temp:	RGB+ Ambient White+ Multiple Blue
CRI:	Ra90
Lumen:	>100Lm/w
IP Rating:	IP20
Control System:	DMX Dimming
Beam Angle:	180 Degree
Adjustable:	N/A

Driver:

Dimension:	L215*W115*H30mm
Input:	AC230V
Output:	DC30-36V/Max 14.6A
Max Power:	350W
Control Protocol	DMX Dimming
IP Rating:	IP20

Warranty: **2 Years**
Application: **All Indoor /outdoor Place**

Light Source

Cree® XLamp® ML-C LEDs

PRODUCT DESCRIPTION

The Cree XLamp® ML-C LED brings lighting-class reliability and performance to 1/3-watt LEDs. The XLamp ML-C LED expands Cree's lighting-class leadership to LED bulbs and linear and distributed lighting applications. With XLamp LED lighting-class reliability, a wide viewing angle, uniform light output, and industry-leading chromaticity binning in a 3.5-mm X 3.5-mm package, the XLamp ML-C LED continues Cree's history of segment-focused product innovation in LEDs for lighting applications.

The XLamp ML-C LED brings high performance and a smooth look to a wide range of lighting applications, including linear lighting, fluorescent retrofits and retail-display lighting.

FEATURES

- Available in white (2600 K to 8300 K CCT), 80-, 85- and 90-CRI minimum and royal blue
- White LEDs available in both parallel and series
- ANSI-compatible sub-bins
- Maximum drive current: 350 mA for parallel, 175 mA for series, 250 mA for royal blue
- 120° viewing angle, uniform chromaticity profile
- Electrically neutral thermal path
- RoHS and REACh compliant
- UL® recognized component (E349212)

CHARACTERISTICS (T_J = 25 °C)

Characteristics	Unit	Minimum	Typical	Maximum
Thermal resistance, junction to solder point	°C/W		13	
Viewing angle (FWHM) - white	degrees		120	
Viewing angle (FWHM) - royal blue	degrees		125	
Temperature coefficient of voltage - parallel	mV/°C		-3.4	
Temperature coefficient of voltage - series	mV/°C		-6.8	
Temperature coefficient of voltage - royal blue	mV/°C		-3.4	
ESD classification (HBM per Mil-Std-883D) - parallel			Class 2	
ESD withstand voltage (HBM per Mil-Std-883D) - series	V			8000
DC forward current - parallel	mA			350
DC forward current - series	mA			175
DC forward current - royal blue	mA			250
Reverse voltage	V			-5
Forward voltage (@ 100 mA) - parallel	V		3.2	3.4
Forward voltage (@ 50 mA) - series	V		6.4	7.0
Forward voltage (@ 100 mA) - royal blue	V		3.2	3.4
LED junction temperature	°C			150

Color	CCT Range		Minimum Luminous Flux (lm) @ 100 mA		Calculated Min. Luminous Flux (lm) @ 300 mA *	Order Code
	Minimum	Maximum	Group	Flux (lm)		
Warm White	3700 K	4300 K	K2	30.6	63.1	MLCAWT-A1-0000-0000E5
			J3	26.8	55.2	MLCAWT-A1-0000-000XE5
	2800 K	3200 K	K2	30.6	63.1	MLCAWT-A1-0000-0000E7
			J3	26.8	55.2	MLCAWT-A1-0000-000XE7
80-CRI Warm White	3700 K	4300 K	J3	26.8	55.2	MLCAWT-H1-0000-000XE5
	2800 K	3200 K	J2	23.5	48.4	MLCAWT-H1-0000-000WE7
85-CRI Warm White	3700 K	4300 K	J3	26.8	55.2	MLCAWT-P1-0000-000XE5
	2800 K	3200 K	J2	23.5	48.4	MLCAWT-P1-0000-000WE7
90-CRI Warm White	3700 K	4300 K	H0	18.1	37.3	MLCAWT-U1-0000-000VE5
	2800 K	3200 K	J2	23.5	48.4	MLCAWT-U1-0000-000WE7