

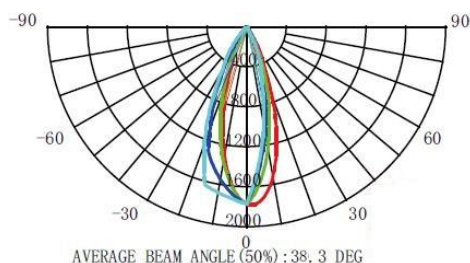
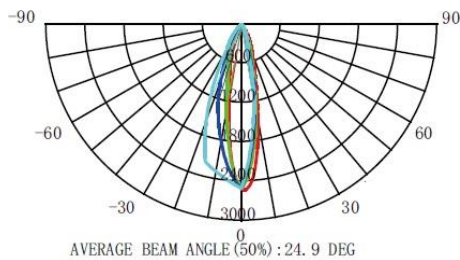
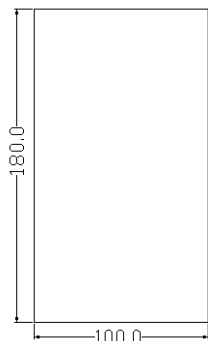
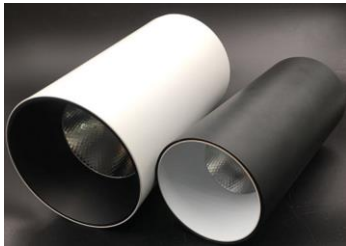


SUPERB KINGDOM LIMITED

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:	Downlight	Description:	Surface mounted LED Downlight
Manufacturer:	SEGULA	Article Code:	SMDL100X180
Location:			

SEGULA SURFACE MOUNTED LED DOWNLIGHT



Product Feature

- * Precision German Engineering
- * IP20 Protection 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: D100XH180mm
 Material: Aluminum + Optical reflector
 Input: DC30-42V
 System Power: 15W
 Light Source: CREE LED
 Color Temp: 3000K
 CRI: Ra90
 Lumen: >1800Lm
 IP Rating: IP20
 Control System: DALI Dimming
 Beam Angle: 24 Degree/38 Degree
 MacAdam Ellipse: 2 steps
 Adjustable: No

Driver:

Input: AC220-240V 50/60HZ
 Output: DC30-42V
 Output Current: Max 350mA
 System Power: 15W
 Control Protocol: DALI Dimming

Warranty: 2 Years

Application: All Indoor Place

Light Source:

Cree® XLamp® CXA1816 LED



PRODUCT DESCRIPTION

The XLamp® CXA1816 LED array expands Cree's family of high-flux, multi-die arrays in a smaller, easy-to-use platform. With XLamp LED lighting-class reliability, the CXA1816's small, uniform emitting surface enables both directional and non-directional lighting applications including lamp retrofit and luminaire designs. Available in 2-step, 3-step and 4-step color consistency, and featuring a 12-mm optical source, the CXA1816 brings new levels of flux and efficacy to this form factor.

The [CX Family LED Design Guide](#) provides basic information on the requirements to use the CXA1816 LED successfully in luminaire designs.

FEATURES

- Available in 4-step, 3-step and 2-step EasyWhite® bins at 2700 K, 3000 K, 3500 K, 4000 K & 5000 K CCT and 4-step EasyWhite bins at 5700 K & 6500 K CCT
- Available in ANSI white bins at 4000 K, 5000 K, 5700 K & 6500 K CCT
- Available in 70-, 80-, 90- and 93-minimum CRI options
- Forward voltage option: 36-V class
- 85 °C binning and characterization
- Maximum drive current: 900 mA
- 115° viewing angle, uniform chromaticity profile
- Top-side solder connections
- Thermocouple attach point
- NEMA SSL-3 2011 standard flux bins
- RoHS and REACH compliant
- UL® recognized component (E349212)

CHARACTERISTICS

Characteristics	Unit	Minimum	Typical	Maximum
Viewing angle (FWHM)	degrees		115	
ESD withstand voltage (HBM per Mil-Std-883D)	V			8000
DC forward current	mA			900*
Reverse current	mA			0.1
Forward voltage (450 mA, 85 °C)	V		36.2	
Forward voltage (450 mA, 25 °C)	V			42

FLUX CHARACTERISTICS, EASYWHITE® ORDER CODES AND BINS ($I_f = 450$ mA, $T_j = 85$ °C) - CONTINUED

Nominal CCT	CRI		Minimum Luminous Flux			2-Step		3-Step		4-Step	
	Min	Typ	Group	Flux (lm) @ 85 °C	Flux (lm) @ 25 °C*	Group	Order Code	Group	Order Code	Group	Order Code
3000 K	80	—	N4	1710	1895	30H	CXA1816-0000-000N00N430H	30G	CXA1816-0000-000N00P230G	30F	CXA1816-0000-000N00N430F
			P2	1830	2028		CXA1816-0000-000N00P230H				CXA1816-0000-000N00P230F
			P4	1965	2177		CXA1816-0000-000N00P430H				CXA1816-0000-000N00P430F
	93	95	K4	1290	1437	30H	CXA1816-0000-000N0YK430H	30G	CXA1816-0000-000N0YM230G	30F	CXA1816-0000-000N0YK430F
			M2	1380	1537		CXA1816-0000-000N0YM230H				CXA1816-0000-000N0YM230F
			M4	1485	1645		CXA1816-0000-000N0YM430H				CXA1816-0000-000N0YM430F