

SEGULA

SUPERB KINGDOM LIMITED

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Lighting Type:	LED Spotlight	Description:	SEGULA LED Par38 Spotlight
Manufacturer:	SEGULA	Article Code:	SP38A
Location:			

SEGULA LED Par38 Spotlight



Product Feature

- * 1%-100% Smooth Dimming
- * No Shadow, No Flickering
- * High Lumen Efficiency
- * 20 Times Longer Lifetime Than Halogen Bulbs
- * Excellent Heat Dissipation, Low Working Temperature

Description

Dimension: $\phi 120 \times 135$ mm

Input Voltage: AC220-240V 50/60Hz

Power: 15W

Dimmable: Yes (Triac)

Color Temp: 2700K

CRI: >90 Ra

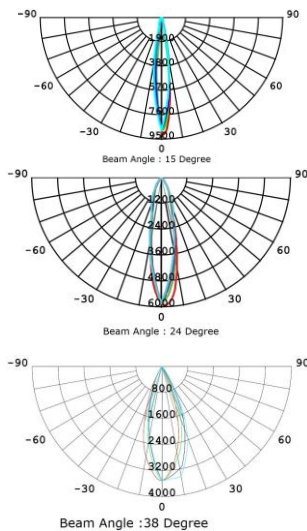
LED Source: CREE LED

Finishing: Black Heatsink, White Panel

Beam Angle: 15D/24D/38D

Optical: PMMA Reflector LENS

Warranty: 2 Years



Item No	Socket	Energy Used(W)	Color Temp	Lumens	CRI	Beam Angle	Dimmable	Energy Class
SP38A	E27	12W	2700k	1290	>90	15°	Yes	A+
			3000k	1380		24°		
			4000k	1485		38°		

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

* Refer to the Operating Limits section.

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
4000 K	70	75	P2	1830	2028	40H	CXA1816-0000-000N00P240H			40F	CXA1816-0000-000N00P240F
			P4	1965	2177		CXA1816-0000-000N00P440H				CXA1816-0000-000N00P440F
			Q2	2100	2327		CXA1816-0000-000N00Q240H				CXA1816-0000-000N00Q240F
	80	—	N4	1710	1895	40H	CXA1816-0000-000N0HN440H	40G		40F	CXA1816-0000-000N0HN440F
			P2	1830	2028		CXA1816-0000-000N0HP240H				CXA1816-0000-000N0HP240F
			P4	1965	2177		CXA1816-0000-000N0HP440H				CXA1816-0000-000N0HP440F
	90	95	M2	1380	1537	40H	CXA1816-0000-000N0UM240H	40G		40F	CXA1816-0000-000N0UM240F
			M4	1485	1645		CXA1816-0000-000N0UM440H				CXA1816-0000-000N0UM440F
			N2	1590	1762		CXA1816-0000-000N0UN240H				CXA1816-0000-000N0UN240F
3000 K	80	—	N4	1710	1895	30H	CXA1816-0000-000N00N430H	30G		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		30F	CXA1816-0000-000N0YK430F
			M2	1380	1537		CXA1816-0000-000N0YM230H				CXA1816-0000-000N0YM230F
			M4	1485	1645		CXA1816-0000-000N0YM430H				CXA1816-0000-000N0YM430F
2700 K	80	—	N2	1590	1762	27H	CXA1816-0000-000N00N227H	27G		27F	CXA1816-0000-000N00N227F
			N4	1710	1895		CXA1816-0000-000N00N427H				CXA1816-0000-000N00N427F
			P2	1830	2028		CXA1816-0000-000N00P227H				CXA1816-0000-000N00P227F
	93	95	K2	1200	1337	27H	CXA1816-0000-000N0YK227H	27G		27F	CXA1816-0000-000N0YK227F
			K4	1290	1437		CXA1816-0000-000N0YK427H				CXA1816-0000-000N0YK427F
			M2	1380	1537		CXA1816-0000-000N0YM227H				CXA1816-0000-000N0YM227F