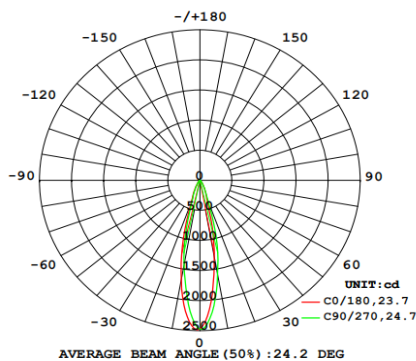
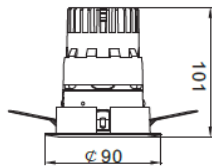


Lighting Type:	DOWNLIGHT	Description:	SEGULA LED Recessed Downlight
Manufacturer:	SEGULA	Article Code:	NDL90
Location:			

SEGULA LED RECESSED DOWNLIGHT



Product Feature

- * Precision German Engineering
- * Segula constant current control algorithm
- * 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
- * R9>50

Description

Dimension: $\Phi 90 \times H101 \text{mm}$

Cutout: $\Phi 75 \text{mm}$

Power: 8W

Input Voltage: DC30-36V

Color Temp: 2700K

Lumen: >820Lm

IP Rating: IP20

CRI: $\geq 90 \text{ Ra}$

Dimmable: Yes (Triac)

Beam Angle: 25 Degree

MacAdam Ellipse: 2 steps

Adjustable: 0-360°horizontally, tillable 0-35°vertically

Light Source: Cree

Accessories: Honeycomb Louvre

Finish: White &Gold

Warranty: 2 Years

Application : All indoor space

Light Source

Cree® XLamp® CXA1304 LED



PRODUCT DESCRIPTION

The XLamp® CXA1304 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 CXA1304'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 6-mm optical source, the CXA1304 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 CXA1304 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 options: 9-V class, 18-V class & 36-V class
- 85 °C binning and characterization
- Maximum drive current: 1000 mA (9 V), 500 mA (18 V), 250 mA (36 V)
- 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 (9 V)	mA			1000*
DC forward current (18 V)	mA			500*
DC forward current (36 V)	mA			250*
Reverse current (9 V, 18V, 36 V)	mA			0.1
Forward voltage (9 V, 400 mA, 85 °C)	V		9	
Forward voltage (9 V, 400 mA, 25 °C)	V			10.5
Forward voltage (18 V, 200 mA, 85 °C)	V		18	
Forward voltage (18 V, 200 mA, 25 °C)	V			21
Forward voltage (36 V, 100 mA, 85 °C)	V		36	
Forward voltage (36 V, 100 mA, 25 °C)	V			42

* Refer to the Operating Limits section.

FLUX CHARACTERISTICS, EASYWHITE® ORDER CODES AND BINS - 36 V ($I_f = 100 \text{ mA}$, $T_j = 85 \text{ °C}$)

The following table provides order codes for XLamp CXA1304 LEDs. For a complete description of the order code nomenclature, please see the Bin and Order Code Formats section (page 27).

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	---	B2	380	423	30H	CXA1304-0000-000N00B230H	30G	CXA1304-0000-000N00B430G	30F	CXA1304-0000-000N00B230F
			B4	410	457		CXA1304-0000-000N00B430F				
			C2	440	490		CXA1304-0000-000N00C230F				
	93	95	92	250	281	30H	CXA1304-0000-000N0Y9230H	30G	CXA1304-0000-000N0Y9430G	30F	CXA1304-0000-000N0Y9230F
			94	290	327		CXA1304-0000-000N0Y9430F				
			A2	330	366		CXA1304-0000-000N0YA230F				