

## PRODUCT DESCRIPTION

### CIRCAMAN - AR111



Human Centric Lighting is now available for thoughtful retail, hospitality and care applications such as restaurant, shops, showrooms, homes, and museums.

Our lamps give uniquely superior light with different whites and brightness levels synchronized with the natural circadian rhythms. The Human Centric Circadian Light aligns automatically and can improve well-being, comfort, satisfaction and life quality.

Smooth transition color tuning technology ensure color and brightness changes are subtle and not noticeable. The lamps are designed with high lumen maintenance and excellent color consistency.

### FEATURES

- Circadian Rhythm of Light 2800K - 5700K during different time
- Dual Colours - Single Point source LED
- Available in 18.5W/13.5W/8.5W for 75W/50W/35W halogen equivalent
- Tunable White with Narrow Beam Angle
- AC/DC 12V input
- Enclosed fixture compatibility
- Thermal protection – Auto dim-down
- Available multi-beam angle selection 10°/15°/24°/38°/10°x60°/30°x60°
- Selectable CCT - 2800K/3000K/3500K/4000K/4500K/5000K/5700K
- Dimmable to 5%
- Android Apps or Optional 2.4GHz Wireless Remote Control
- 72mm filter/honey comb louver accessories available

### APPLICATIONS

- Display, Hotel, Office, Residential, Restaurant, Retail, Speciality

### BENEFITS

- Productivity and concentration improvements
- Improved mood
- Increased customer satisfactory and well-being
- Boost customer dwell time and sale

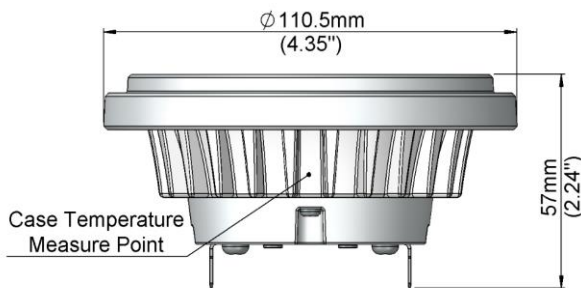
### GENERAL SPECIFICATIONS

Gap Base	G53	Dimension	Ø111mm x 57mm Height
Working Voltage	12V AC/DC	Weight	280g
Halogen Equivalent	75W - 100W	Lifetime	35000 hrs – 50000 hrs (nom.)
Power	18.5W	Switching	50000x
Frequency	50/60Hz (12VAC)	Operation Temp.	70°C (nom.) to 80°C @ Case Temperature
EU RoHS compliant	YES	Max. operation temp.	90°C @ Case Temperature

### PRODUCT INFORMATION

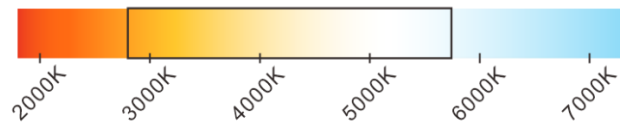
Lumen Output	910 – 1220 lm
Colour temp.	2800K – 5700K
CRI	90 (Typ.) CRI 80 and 95 on request
Color Consistency	3 Steps MacAdam @2800K and @5700K
Selectable CCT	2800K / 3000K / 3500K / 4000K / 4500K / 5000K / 5700K
Brightness Setting	100% / 75% / 50% / 25% / 10% / 5%
Beam Angle	10° / 15° / 24° / 38° / 10° x 60° / 30° x 60°
Mode:	A-Mode (Auto - CCT-brightness changing – Constant power) C-Mode (Circadian Rhythm - CCT-brightness changing for HCL)
*CCT selection and Dimming functions by remote control or Apps	

### DIMENSIONS



### CCT RANGE

2800K – 5700K

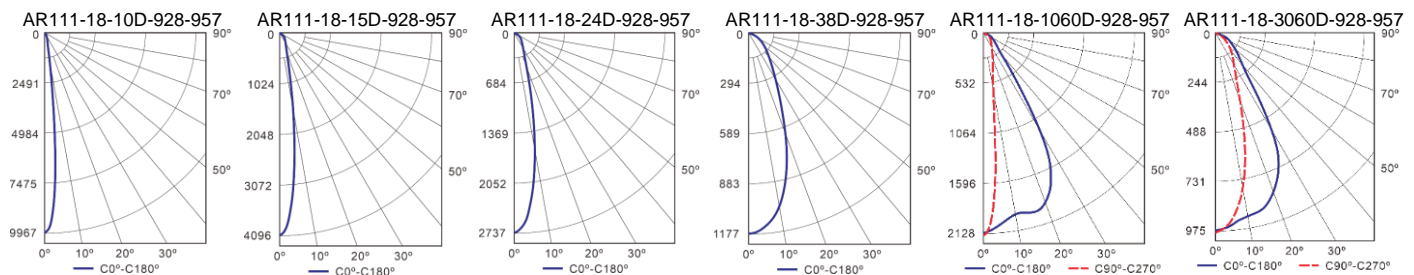


### ORDERING INFORMATION

Example Model: AR111-18-15D-928-957-01

Product and Lamp Base	Wattage	Beam Angle	Min. CCT – Max. CCT	Version	Voltage (optional)
AR111	- 18	- 15D	- 928 - 957	- 01	-
AR111	18 (Typ. 18.5W)	10D (For 10°)	928 – 957	01	For AR111GU10 only
For AR111-G53 (12V AC/DC)	13 (Typ. 13.5W)	(For 10°)	2800K – 5700K@90 CRI *(CRI 80 / 95 on request)	Gen.1	TBC
AR111GU		15D (For 15°)			
For AR111-GU10 (AC 100 ~ 240V) (coming soon)		24D (For 24°)			
		1060D (For 10°x60°)			
		3060D (For 30°x60°)			

### PHOTOMETRY



Tested at 25°C ambient testing temperature, CCT=3000K, 100% Brightness

Pls. refer to Product Data Sheet for detail information and product data

**Circadian Lighting Limited**

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