

## PRODUCT DESCRIPTION

### CIRCAMAN<sup>TM</sup> – RDE Series – Recessed Downlight



#### FEATURES

- Circadian Rhythm of Light 2800K - 5700K during different time
- Dual Colours - Single Point source LED
- Available in 5W – 40W for 25W – 200W halogen equivalent
- Selectable CCT - 2800K/3000K/3500K/4000K/4500K/5000K/5700K
- Dimmable to 5%
- Tunable White
- Transformer 100-240V 50/60Hz input (Sold separately)
- Android Apps or Optional 2.4GHz Wireless Remote Control

#### 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

Working Voltage –	36V (Typ.) DC input (Light Engine)		
Light Engine	Need to match with our transformer (PSU)		
Working Voltage –	100 – 240 VAC 50/60Hz	Switching	50000x
Transformer (Sold separately)			
Halogen Equivalent	5W – 25W Halogen	Power	Depend on transformer output
(Depend on Transformer)	10W – 50W Halogen		
	15W – 75W Halogen		
	20W – 100W Halogen		
	30W – 150W Halogen		
	40W – 200W Halogen		
Operation Temp.	Max. operation temp.		
70°C to 80°C @ Case Temperature	90°C @ Case Temperature		
EU RoHS compliant	YES	Lifetime	35000 hrs – 50000 hrs (nom.)

#### PRODUCT INFORMATION

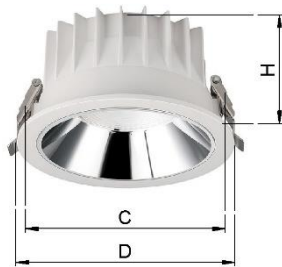
Colour temp.	2800K – 5700K		
CRI	90 (Typ.) CRI 80 and 95 on request		
Color Consistency	3 Steps MacAdam @2800K and @5700K		
Selectable CCT:	2800K / 3000K / 3500K / 4000K / 4500K / 5000K / 5700K		
Brightness Setting:	100% / 75% / 50% / 25% / 10% / 5%		
Beam Angle	60°		
Mode: A-Mode (Auto - CCT changing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

Lumen output with different wattage PSU (Power supply unit)

Model	5W	10W	15W	20W	30W	40W
RDE100	320 – 374 lm	565 – 661 lm	N.A.	N.A.	N.A.	N.A.
RDE125	336 – 394 lm	640 – 749 lm	939 – 1098 lm	1129 – 1321 lm	N.A.	N.A.
RDE145	334 – 391 lm	659 – 771 lm	960 – 1123 lm	1233 – 1443 lm	1694 – 1982 lm	N.A.
RDE180	343 – 401 lm	666 – 780 lm	974 – 1140 lm	1238 – 1448 lm	1737 – 2032 lm	N.A.
RDE215	342 – 400 lm	667 – 780 lm	979 – 1145 lm	1268 – 1484 lm	1790 – 2095 lm	2238 – 2618 lm

\*Lumen output at CCT2800K – CCT5700K. Data for reference only.

## DIMENSIONS



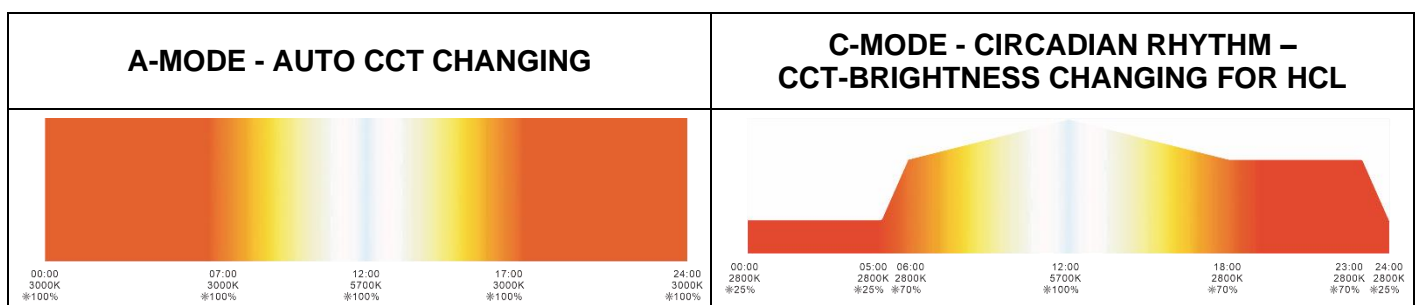
Model	Max. Wattage	C - Ceiling Cut-out (mm)	D - Flange Diameter (mm)	H - Height, (mm)
RDE100	Max. 10W	Ø75-85	Ø115	65
RDE125	Max. 20W	Ø80-90	Ø140	80
RDE145	Max. 30W	Ø95-100	Ø160	85
RDE180	Max. 40W	Ø120-125	Ø198	98
RDE215	Max. 40W	Ø145-150	Ø230	102

## ORDERING INFORMATION

Example Model: RDE75-WT-SS-15D-928-957

Series	Ceiling Cut-out Diameter	Body Colour	Reflector Colour	Beam Angle	Min. CCT – Max. CCT
RDE	100 100-105mm (Max. 10W) 125 125-130mm (Max. 20W) 145 145-150mm (Max. 30W) 180 180-190mm (Max. 40W) 215 215-220mm (Max. 40W)	WT White BK Black	SS Specular Silver DG Dark Gold	60D For 60°	928 – 957 2800K – 5700K@90 CRI *(CRI 80 / 95 on request)

## AUTO CCT AND BRIGHTNESS CHANGING



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