

PRODUCT DESCRIPTION

CIRCAMAN™ – RDF 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.)

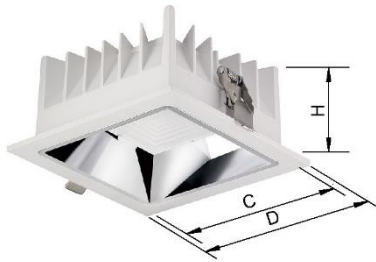
PRODUCT INFORMATION

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
RDF100	320 – 374 lm	565 – 661 lm	N.A.	N.A.	N.A.	N.A.
RDF125	336 – 394 lm	640 – 749 lm	939 – 1098 lm	1129 – 1321 lm	N.A.	N.A.
RDF145	334 – 391 lm	659 – 771 lm	960 – 1123 lm	1233 – 1443 lm	1694 – 1982 lm	N.A.
RDF180	343 – 401 lm	666 – 780 lm	971 – 1136 lm	1242 – 1454 lm	1737 – 2032 lm	2221 – 2599 lm

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

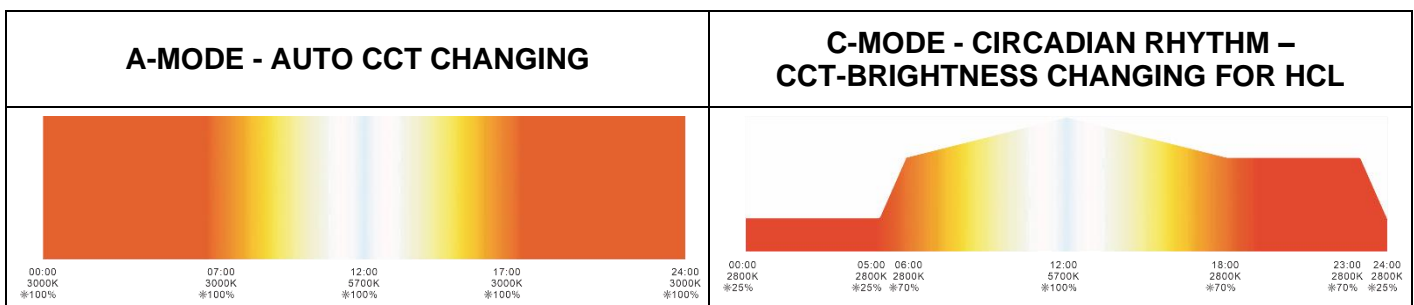
DIMENSIONS


Model	Max. Wattage	C - Ceiling Cut-out (mm)	D - Flange (mm)	H - Height, (mm)
RDF100	Max. 10W	□100 – 105	□115	60
RDF125	Max. 20W	□125 – 130	□140	75
RDF145	Max. 30W	□145 – 140	□160	80
RDF180	Max. 40W	□180 – 185	□198	95

ORDERING INFORMATION

Example: RDF75-WT-SS-15D-928-957

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

AUTO CCT AND BRIGHNESS CHANGING


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