COMMERCIAL
SUN CIRCULAR IP20 LED PANEL

ROBUS®

These clean looking, slim profile, circular fittings are quick and simple to install and provide exceptional lighting performance, reliability and longevity. Utilising our tried and tested Edge-lit LED & Honeycomb light-guide technology to provide low glare indirect light, high efficacy values are achieved to make these fittings ideal for all types of lighting applications.

Applications:

- Commercial Offices and Corridors
- Hotel Function Rooms & Receptions
- Health Centre Waiting Rooms
- Bars & Restaurants
- Shops
- Retail showrooms

Construction:

Die cast aluminium bezel and body

Pressed steel back plate

Opal diffuser

Steel spring clips

Features:	Benefits:
• Range of 5 Wattages & diameters • Emergency, DALI or Analogue dimmable available	• A full range for all building types, applications and room sizes • Provides functional dimming or Daylight Harvesting energy saving
• White chamfered trim	• Clean looking with virtually no projection below the ceiling • The light appears to be emitted direct from the ceiling surface
• Slim profile body	• Fits within the thickness of the ceiling • Ideal for shallow voids or where there are numerous other services
• Opal diffuser with honeycomb light guide	• Provides wide, uniform, indirect light, reducing discomfort glare associated with lower specification LED or traditional light sources
• Die-cast aluminium body with integrated heat sink	• Dissipates heat from the LED's to enhance LED and luminaire life

• Utilises high quality surface mount 2835 SMD edge mounted LED technology which provides:
  • Exceptional indirect light output
  • Very low power consumption
  • Long Rated LED Life
	• Compared to Compact Fluorescent:
	• Light output and colour is consistent over life
	• Comparable light output so a point for point replacement
	• Low energy consumption makes energy savings of up to 43% so reduces the buildings carbon footprint
	• Provides efficacies of ↗70 luminaire lumens/circuit watt
	• No maintenance costs or inconvenient disruption as is the case when traditional lamps are replaced

• Cool running with little Infra-red or Ultra-violet	• No heat emitted so less cost for air conditioning in hot weather • Will not tarnish metals, fade garments or other sensitive materials
• Available in a Warm and Neutral white colour temperature with high CRI	• Choice of CCT for a relaxing warm ambience or task oriented applications, both with superior colour rendition
• Rugged solid state technology	• No heat filaments or electrodes and seals to fail unlike traditional light sources which are susceptible to failure due to building vibration and the process of heating and cooling cycles • Can be switched by microwave, PIR and/or photocell to provide even greater energy savings when lighting not required

• Plug & play connection:
• Fitting has factory pre-wired male jack
• High quality driver pre-wired with:
  • Mains side 1m flex
  • Secondary side female twist and lock jack connector
	• Allows driver connection in ceiling void at early stage of installation
	• Fast and simple Driver female jack to Light Fitting male jack connection can be completed at a later date after fit out by other trades, ensuring the fitting it is not scratched or damaged

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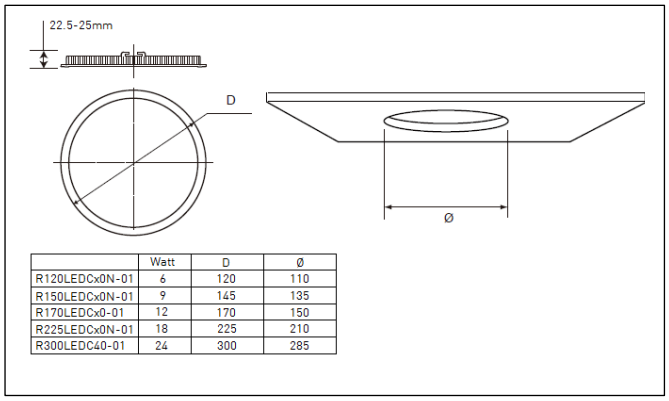
Product Code: 3,000K: / 4,000K:	R120LEDC30N-01 / R120LEDC40N-01	R150LEDC30N-01 / R150LEDC40-01	R170LEDC30-01 / R170LEDC40-01	R225LEDC30N-01 / R225LEDC40N-01	R300LEDC40-01
Comparable to CFL:	13	18/13	18	2x18	2x18
Total Power (W):	6.2/6.0	9.5/8.2	11.3/11.6	19.9/19.6	23
Total Light Output (lm):	510/500	910/560	820/850	1,940/2,120	1,740
Efficacy (lm / cctW):	82/83	97/68	73//73	98/108	76
Illuminance at 1m (lx):	180/180	320/200	280/320	710/780	590
Beam Angle (deg):	110	110	110	110	110
CCT (K):	3,000/4,000	3,000/4,000	3,000/4,000	3,000/4,000	4,000
CRI (Ra):	80	80	80	80	80
Rated LED Life (hrs):	30,000	30,000	30,000	30,000	30,000
Warranty (yrs):	3	3/2	2	3	2
Ingress Protection (IP):	20	20	20	20	20
Impact Rating (IK):	08	08	08	08	08
Operating Temperature	-20 ≤ Ta ≤ +40	-20 ≤ Ta ≤ +40	-20 ≤ Ta ≤ +40	-20 ≤ Ta ≤ +40	-20 ≤ Ta ≤ +40
Output Current (mA):	0.29	0.31	0.3/0.3	0.5	0.75
Operating Voltage (Vac):	220-240	220-240	220-240	220-240	220-240
Power Factor (PF):	0.9	0.9	0.9	0.95	0.9
Cut Out (mm):	110	135	150	210	285
Diameter (mm):	120	145	170	225	300
Depth (mm):	22.5	22.5	25	25	25
Box Qty:	1	1	1	1	1
Weight (kg):	0.2	0.28	0.24	0.55	0.75



	Watt	D	Ø
R120LEDCx0N-01	6	120	110
R150LEDCx0N-01	9	145	135
R170LEDCx0-01	12	170	150
R225LEDCx0N-01	18	225	210
R300LEDC40-01	24	300	285

Accessories:

R18DIM-PSU	18W Dimmable Driver
R24DIM-PSU	24W Dimmable driver

Options via Conversions:

Add postscript in **RED** to standard part code

Postscript	Option
RxxxLEDC40N-01E	Std + Emergency
RxxxLEDC40N-01AD	Std + Analogue Dimmable
RxxxLEDC40-N01ADE	Std + Analogue Dimmable + Emergency
RxxxLEDC40N-01DD	Std + DALI Dimmable
RxxxLEDC40N-01DDE	Std + DALI Dimmable + Emergency

Standards & Approvals:

Complies with: EN 60598-1, EN 60598-2-2, EN 62471, EN 62471-2, EN 62778, EN 62493, EN 55015, EN 61000-3-2, EN 61000-3-3

Cone Illuminance Diagram:

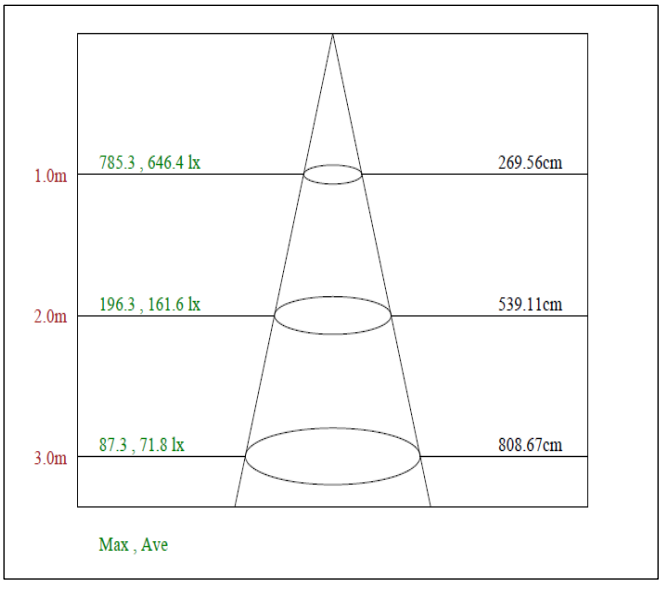


Diagram for R225LED40N-01. Other diagrams available on request

Polar Intensity Diagram:

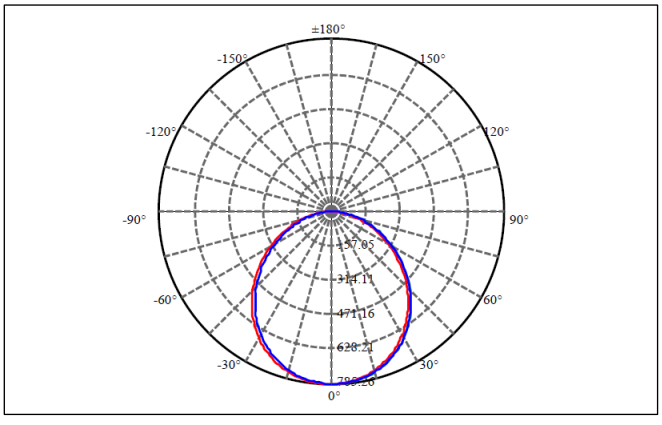


Diagram for R225LED40N-01. Other diagrams available on request