

LED Ceiling Light NC171E-175E

14W/20W/24W/32W/42W

Features

- 14W / 20W / 24W / 32W / 42W LED Ceiling light
- Uniform distribution with opal diffuser
- Comfort glare-free light
- Color Rendering Index: ≥80



Diagrams

Dimensions:



(Unit : mm) (D) (H)

NC171E	Ø257 x 65
NC172E	Ø290 x 65
NC173E	Ø340 x 65
NC174E	Ø390 x 65
NC175E	Ø480 x 70

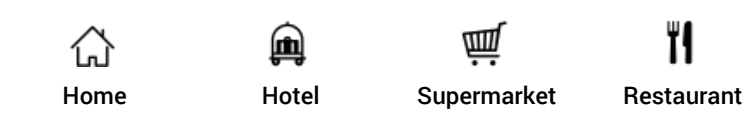
Prosperity Lamps & Components Ltd.

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Standards



Applications



Technical Data	
Type of Light Source	
Lighting Technology Used	LED
Non-directional or Directional [NDLS/DLS]	NDLS
Mains or Non-mains [MLS/NMLS]	MLS
Connected Light Source	No
Color tunable light source	No
Envelop [No/Second/Non-Clear]	No
High Luminance Light Source	No
Anti-glare Shield	No
Electrical	
Rated Wattage [W]	14W / 20W / 24W / 32W / 42W
On-mode Power [W]	14W / 20W / 24W / 32W / 42W
Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	220-240V, 50/60Hz
Power Factor	0.9
Input Current [mA] @230V	68 / 97 / 116 / 155 / 203
LED	SMD
Model	
NC171E-14W/8XX	14W
NC172E-20W/8XX	20W
NC173E-24W/8XX	24W
NC174E-32W/8XX	32W
NC175E-42W/8XX	42W
Luminous Flux (Useful Luminous Flux) [lm]	
14W	950lm(1300lm) @3000K
	1000lm(1380lm) @4000K
	1050lm(1450lm) @6500K

20W	1350lm(2050lm) @3000K
	1400lm(2100lm) @4000K
	1450lm(2150lm) @6500K
24W	1800lm(2500lm) @3000K
	1900lm(2550lm) @4000K
	2000lm(2600lm) @6500K
32W	2400lm(3380lm) @3000K
	2500lm(3450lm) @4000K
	2600lm(3500lm) @6500K
42W	3000lm(4490lm) @3000K
	3100lm(4550lm) @4000K
	3200lm(4600lm) @6500K
Performance	
SCDM	<6
Chromaticity coordinates [x, y]	0.44, 0.403@3000K / 0.38, 0.38@4000K / 0.312, 0.335@6500K
Efficacy [lm/W]	92-110
Color Rendering Index [Ra]	≥80
R9 colour rendering index value	2
Beam Angle [°]	170
Rated Life, Ta@25°C [hrs]	25,000
Lamp Survival Factor	>0.9
Lumen Maintenance	>0.96
Number of Switching Cycles Before Failure	15,000
Starting Time [S]	<0.5
Warm Up Time [S]	<2
Premature Failure At 1000hrs	<5%
Displacement Factor [cosØ]	0.7(14W, 20W, 24W) / 0.9(32W,42W)
Flicker Metric [Pst LM]	1
Stroboscopic Effect Metric [SVM]	0.4
Mechanical	
Diameter D1 [mm]	Ø65 / Ø65 / Ø65 / Ø65 / Ø70
Height H [mm]	120 / 170 / 220 / 300
Material	Body : Sheet steel with white finish
	Diffuser: Opaque acrylic
Standard Compliance	
CE-LVD	EN62560
CE-EMC	EN55015, EN61547, EN61000-3-2, EN61000-3-3
CE-EMF	EN62493
Environment	RoHS
Mercury Content [mg]	0.0
Energy Class	F
*Energy efficiency class based on light source lumen	
Other	

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Dimmable [Yes/Only with specific dimmers/No]	No
Operation Temperature	-10°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Energy Consumption in on-mode [kWh/1000h]	12kWh / 20kWh / 24kWh / 32kWh / 42kWh