

LED Downlight ND391 E-397E

3W/6W/9W/12W/16W/18W/24W

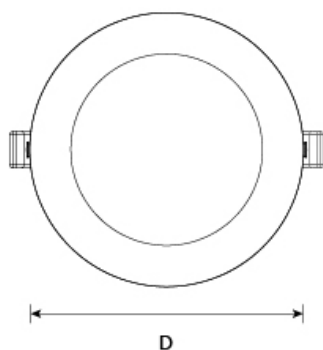
Features

- 3W/6W/9W/12W/16W/18W/24W LED Downlight
- Recessed round, uniform distribution
- Comfort glare-free diffuser
- Ideal replacement up to 2x26W compact fluo. downlight
- Low profile and slim (only 23-24mm deep), suitable for shallow ceiling void
- Integral gear unit allows quick and easy installation
- Cut out dimensions Ø75mm / Ø115mm / Ø130mm / Ø155mm / Ø185mm / Ø210mm / Ø280mm
- Color Rendering Index: ≥80



Diagrams

Dimensions:



(Unit : mm)	(D)	(H)	Cut Out Dimensions
ND391E	Ø85	x 23	Ø75
ND392E	Ø128	x 23	Ø115
ND393E	Ø146	x 23	Ø130
ND394E	Ø170	x 23	Ø155
ND395E	Ø198	x 23	Ø185
ND396E	Ø229	x 23	Ø210
ND397E	Ø298	x 24	Ø280

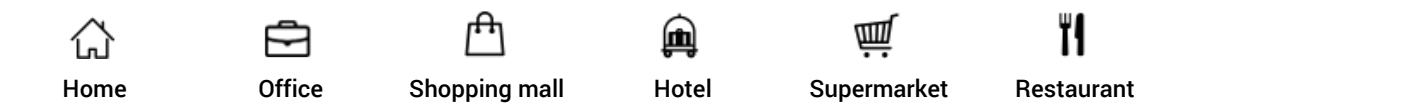
Standards

**IP20**

Prosperity Lamps & Components Ltd.

Tel: (852) 2511 0022 Fax: (852) 2511 0082 Web: www.prosperitylamps.com Email: info@prosperitylamps.com

Applications



Technical Data	
Type of Light Source	
Lighting Technology Used	LED
Non-directional or Directional [NDLS/DLS]	DLS
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]	3W / 6W / 9W / 12W / 16W / 18W / 24W
On-mode Power [W]	3W / 6W / 9W / 12W / 16W / 18W / 24W
Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	220-240V, 50/60Hz
Power Factor	0.5 / 0.5 / 0.5 / 0.7 / 0.7 / 0.7 / 0.7
Input Current [mA] @230V	26 / 52 / 78 / 75 / 99 / 112 / 149
Model	
ND391E-3W/8XX	3W
ND392E-6W/8XX	6W
ND393E-9W/8XX	9W
ND394E-12W/8XX	12W
ND395E-16W/8XX	16W
ND396E-18W/8XX	18W
ND397E-24W/8XX	24W
Luminous Flux (Useful Luminous Flux) [lm]	
3W	160lm (150lm) @3000K
	170lm (160lm) @4000K
	180lm (170lm) @6500K
6W	450lm (430lm) @3000K
	475lm (450lm) @4000K
	500lm (475lm) @6500K
9W	800lm (760lm) @3000K
	825lm (780lm) @4000K

	850lm (810lm) @6500K
12W	1000lm (950lm) @3000K
	1100lm (1045lm) @4000K
	1200lm (1140lm) @6500K
16W	1400lm (1300lm) @3000K
	1400lm (1710lm) @4000K
	1500lm (1760lm) @6500K
18W	1750lm (1660lm) @3000K
	1800lm (1710lm) @4000K
	1850lm (1760lm) @6500K
24W	2300lm (2185lm) @3000K
	2400lm (2280lm) @4000K
	2500lm (2375lm) @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]	50-99
Color Rendering Index [Ra]	80
R9 colour rendering index value	2
Beam Angle [°]	120
Rated Life, Ta@25°C [hrs]	50,000
Lamp Survival Factor	0.9
Lumen Maintenance	0.96
Number of Switching Cycles Before Failure	25,000
Starting Time [S]	<0.5
Warm Up Time [S]	<2
Premature Failure At 1000hrs	<5%
Displacement Factor [cosØ]	0.5(3W, 6W, 9W) / 0.7(12W, 16W, 18W, 24W)
Flicker Metric [Pst LM]	1
Stroboscopic Effect Metric [SVM]	0.4
Mechanical	
Diameter D [mm]	Ø85 / Ø128 / Ø146 / Ø170 / Ø198 / Ø229 / Ø298
Cut out dimensions [mm]	Ø75 / Ø115 / Ø130 / Ø155 / Ø185 / Ø210 / Ø280
Height H [mm]	23 / 23 / 23 / 23 / 23 / 23 / 24
Material	Body: Die-cast aluminium with white finish
	Trim: Die-cast aluminium, UV protected
	Diffuser: Frosted PS, UV protected
Standard Compliance	
CE-LVD	EN60598-1, EN60598-2-2
CE-EMC	EN55015, EN61547, EN61000-3-2, EN61000-3-3
Environment	RoHS
Mercury Content [mg]	0.0
Energy Class	3000K / 4000K / 6500K

Prosperity Lamps & Components Ltd.

Tel: (852) 2511 0022 Fax: (852) 2511 0082 Web: www.prosperitylamps.com Email: info@prosperitylamps.com

3W	G / G / G
6W	G / F / F
9W	F / F / F
12W	F / F / E
16W	F / F / E
18W	F / E / E
24W	F / E / E
Electrical Class	II
Other	
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]	3kWh / 6kWh / 9kWh / 12kWh / 16kWh / 18kWh / 24kWh