

LED Downlight ND421 E-426E

6W/9W/12W/15W/18W/24W

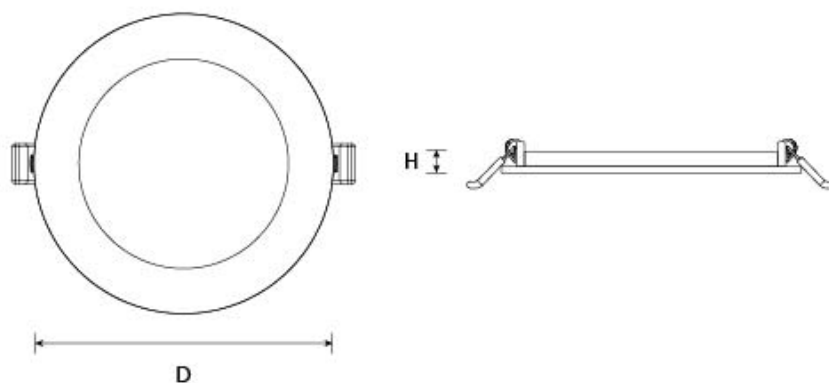
Features

- 6W / 9W / 12W / 15W / 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 17mm deep), suitable for shallow ceiling void
- Remote gear unit allows flexible and easy installation
- Cut out dimensions Ø115mm / Ø135mm / Ø165mm / Ø185mm / Ø215mm / Ø290mm
- Good color rendition, Ra ≥80



Diagrams

Dimensions:



(Unit : mm)	(D)		(H)	Cut Out Dimensions
ND421E	Ø120	x	17	Ø115
ND422E	Ø145	x	17	Ø135
ND423E	Ø170	x	17	Ø165
ND424E	Ø190	x	17	Ø185
ND425E	Ø225	x	17	Ø215
ND426E	Ø300	x	17	Ø290

Standards



IP20

Applications



Home



Office



Shopping mall



Hotel



Supermarket



Restaurant

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] 6W / 9W / 12W / 15W / 18W / 24W

On-mode Power [W] 6W / 9W / 12W / 15W / 18W / 24W

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 29 / 43 / 58 / 72 / 87 / 116

Model

ND421E-6W/8XX 6W

ND422E-9W/8XX 9W

ND423E-12W/8XX 12W

ND424E-15W/8XX 15W

ND425E-18W/8XX 18W

ND426E-24W/8XX 24W

Luminous Flux (Useful Luminous Flux) [lm]

6W 460lm (435lm) @3000K

480lm (455lm) @4000K

490lm (465lm) @6500K

Prosperity Lamps & Components Ltd.

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

9W	750lm (710lm) @3000K
	810lm (770lm) @4000K
	870lm (825lm) @6500K
12W	1100lm (1045lm) @3000K
	1200lm (1140lm) @4000K
	1300lm (1235lm) @6500K
15W	1400lm (1330lm) @3000K
	1500lm (1425lm) @4000K
	1600lm (1520lm) @6500K
18W	1700lm (1615lm) @3000K
	1800lm (1710lm) @4000K
	1900lm (1805lm) @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]	73-103
Color Rendering Index [Ra]	80
R9 colour rendering index value	2
Beam Angle [°]	110
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 / 0.5 / 0.7 / 0.7 / 0.7 / 0.7
Flicker Metric [Pst LM]	1
Stroboscopic Effect Metric [SVM]	0.4

Mechanical

Diameter D [mm]	120 / 145 / 170 / 190 / 225 / 300
Height H [mm]	17
Cut out dimensions [mm]	Ø115 / Ø135 / Ø165 / Ø185 / Ø215 / Ø290
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

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Mercury Content [mg]	0.0
Energy Class	3000K / 4000K / 6500K
6W	F / F / F
9W	F / F / F
12W	F / E / E
15W	F / E / 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]	6kWh / 9kWh / 12kWh / 15kWh / 18kWh / 24kWh