

LED Downlight ND381 E-386E

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

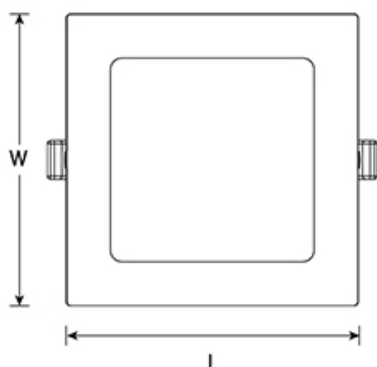
Features

- 3W / 6W / 9W / 12W / 18W / 24W LED Downlight
- Recessed square, uniform distribution
- Comfort glare-free diffuser
- Ideal replacement up to 2x26W compact fluo. downlight
- Low profile and slim (only 21-28mm deep), suitable for shallow ceiling void
- Integral gear unit allows quick and easy installation
- Cut out dimensions 75x75mm / 115x115mm / 130x130mm / 155x155mm / 185x185mm / 250x250mm
- Color Rendering Index: ≥80



Diagrams

Dimensions:



(Unit : mm)	(L)		(W)	(H)	Cut Out Dimensions
ND381E	90	x	90	x 21	75 x 75
ND382E	128	x	128	x 23	115 x 115
ND383E	147	x	147	x 23	130 x 130
ND384E	170	x	170	x 23	155 x 155
ND385E	202	x	202	x 23	185 x 185
ND386E	270	x	270	x 28	250 x 250

Standards

**IP20**

Prosperity Lamps & Components Ltd.

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Applications



Home



Office



Shopping mall



Hotel



Supermarket



Restaurant

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]	3W / 6W / 9W / 12W / 18W / 24W
On-mode Power [W]	3W / 6W / 9W / 12W / 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
Input Current [mA] @230V	26 / 52 / 78 / 75 / 112 / 149

Model

ND381E-3W/8XX	3W
ND382E-6W/8XX	6W
ND383E-9W/8XX	9W
ND384E-12W/8XX	12W
ND385E-18W/8XX	18W
ND386E-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

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12W	1000lm (950lm) @3000K
	1100lm (1045lm) @4000K
	1200lm (1140lm) @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, 18W, 24W)
Flicker Metric [Pst LM]	1
Stroboscopic Effect Metric [SVM]	0.4

Mechanical	
Cut out dimensions [mm]	75x75 / 115x115 / 130x130 / 155x155 / 185x185 / 250x250
Length L [mm]	90 / 128 / 147 / 170 / 202 / 270
Width W [mm]	90 / 128 / 147 / 170 / 202 / 270
Height H [mm]	21 / 23 / 23 / 23 / 23 / 28
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
3W	G / G / G
6W	G / F / F
9W	F / F / F

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12W	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 / 18kWh / 24kWh