

LED Downlight ND301 E-309E

15W

Features

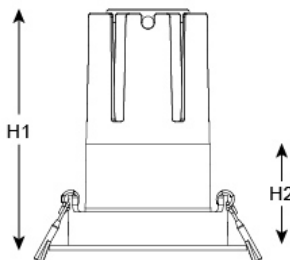
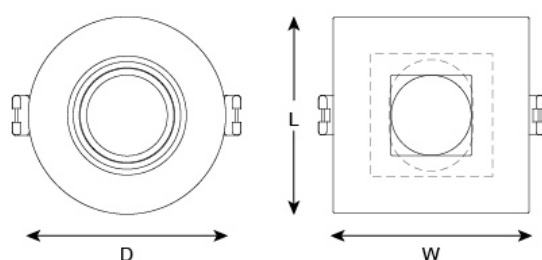
- 15W LED Downlight
- Recessed round, uniform distribution
- Twist-lock changeable LED module for inventory cost saving
- Ideal replacement up to 100W halogen downlight
- Adjustable tilting angle of $\pm 23^\circ$ vertically (ND303E, ND304E, ND306E, ND307E, ND308E)
- Beam angle: $20^\circ / 30^\circ / 38^\circ / 50^\circ$
- Cut out dimensions $\varnothing 75\text{mm} / 75 \times 75\text{mm}$
- Good color rendition, $R_a \geq 80 / 90$



ND301E

Diagrams

Dimensions:



(Unit : mm)	(D)	(H1)	(H2)	Cut Out Dimensions
ND301E	$\varnothing 88$	x 108	x 48	$\varnothing 75$
ND302E	$\varnothing 88$	x 108	x 48	$\varnothing 75$
ND303E	$\varnothing 88$	x 108	x 48	$\varnothing 75$
ND304E	$\varnothing 88$	x 108	x 48	$\varnothing 75$
ND307E	$\varnothing 88$	x 124	x 64	$\varnothing 75$
ND308E	$\varnothing 88$	x 124	x 68	$\varnothing 75$

(Unit : mm)	(L)	(W)	(H1)	(H2)	Cut Out Dimensions
ND305E	88	x 88	x 108	x 48	$\varnothing 75$
ND306E	88	x 88	x 108	x 48	$\varnothing 75$
ND309E	88	x 88	x 108	x 48	75×75

Prosperity Lamps & Components Ltd.

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ND302E - ND309E:



Twist-lock changeable LED module:



Standards



IP20

IP54

Applications



Home



Office



Shopping mall



Hotel



Supermarket



Restaurant



Arena



Gallery

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] 15W

On-mode Power [W] 15W

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 72

Model

ND301E-15W/8XX 15W

ND302E-15W/8XX 15W

ND303E-15W/8XX 15W

ND304E-15W/8XX 15W

ND305E-15W/8XX 15W

ND306E-15W/8XX 15W

ND307E-15W/8XX 15W

ND308E-15W/8XX 15W

ND309E-15W/8XX 15W

Luminous Flux (Useful Luminous Flux) [lm]

15W 1215lm (1180lm) @3000K

1270lm (1230lm) @4000K

1320lm (1280lm) @6500K

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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]		79-85
Color Rendering Index [Ra]		80
R9 colour rendering index value		2
Beam Angle [°]		20 / 30 / 38 / 50
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]		0.9
Flicker Metric [Pst LM]		1
Stroboscopic Effect Metric [SVM]		0.4
Mechanical		
Diameter D1 [mm]		Ø88 (ND301E, ND302E, ND303E, ND304E, ND307E, ND308E)
Cut out dimensions [mm]		Ø75 (ND301E, ND302E, ND303E, ND304E, ND305E, ND306E, ND307E, ND308E)
Length L [mm]		88 (ND305E, ND306E, ND309E)
Width W [mm]		88 (ND305E, ND306E, ND309E)
Cut out dimensions [mm]		75X75 (ND309E)
Height H1 [mm]		108(ND301E-ND306E, ND309E) / 124(ND307E, ND308E)
Height H2 [mm]		48(ND301E-ND306E, ND309E) / 64(ND307E) / 68(ND308E)
Material		Body: Die-cast aluminium Trim: Die-cast aluminium
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		F
Electrical Class		II
Other		
Dimmable [Yes/Only with specific dimmers/No]		Optional
Operation Temperature		-10°C ~ 40°C
Storage Temperature		-20°C ~ 60°C
Energy Consumption in on-mode [kWh/1000h]		15kWh