

LED Downlight ND341 E-345E

9W/15W/20W/28W/32W

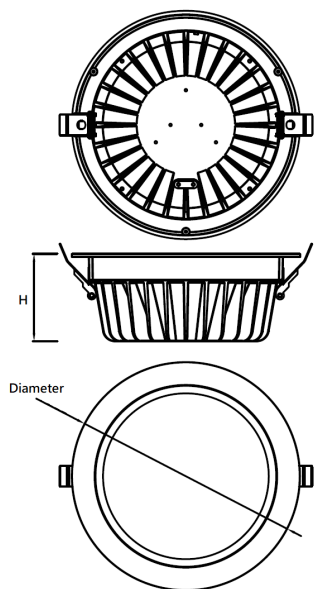
Features

- 9W / 15W / 20W / 28W / 32W LED Downlight
- Recessed round, uniform distribution
- Ideal replacement up to 70W HID downlight
- Cut out dimensions Ø90mm / Ø125mm / Ø145mm / Ø165mm / Ø200mm
- Dimmable as option
- Color Rendering Index: ≥80



Diagrams

Dimensions:



(Unit: mm)	(D)		(H)		Cut out Dimensions
ND341E	Ø110	X	42	X	Ø90
ND342E	Ø140	X	53	X	Ø125
ND343E	Ø162	X	64	X	Ø145
ND344E	Ø190	X	76	X	Ø165
ND345E	Ø230	X	88	X	Ø200

Prosperity Lamps & Components Ltd.

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Standards



IP20

Applications



Home



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] NMLS

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] 9W / 15W / 20W / 28W / 32W

On-mode Power [W] 9W / 15W / 20W / 28W / 32W

Standby Power [W] N/A

Networked Standby Power [W] N/A

Rated Voltage [V/Hz] 220-240V, 50/60Hz

Power Factor 0.95

Input Current [mA] @230V 41 / 69 / 102 / 128 / 146

Model

ND341E-9W/8XX 9W (COB 200mA, 36±2Vdc)

ND342E-15W/8XX 15W (COB 350mA, 36±2Vdc)

ND343E-20W/8XX 20W (COB 500mA, 36±2Vdc)

ND344E-28W/8XX 28W (COB 700mA, 36±2Vdc)

ND345E-32W/8XX 32W (COB 800mA, 36±2Vdc)

Luminous Flux (Useful Luminous Flux) [lm]

9W 810lm (785lm) @3000K

860lm (835lm) @4000K

910lm (885lm) @5000K

15W 1350lm (1310lm) @3000K

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20W	1400lm (1360lm) @4000K
	1450lm (1410lm) @5000K
	1800lm (1745lm) @3000K
	1850lm (1795lm) @4000K
28W	1900lm (1845lm) @5000K
	2520lm (2445lm) @3000K
	2570lm (2495lm) @4000K
	2620lm (2540lm) @5000K
32W	2880lm (2795lm) @3000K
	2930lm (2840lm) @4000K
	2980lm (2890lm) @5000K

Performance

SCDM	<6
Chromaticity coordinates [x, y]	0.44, 0.4@3000K / 0.38, 0.38@4000K / 0.35, 0.36@5000K
Efficacy [lm/W]	87-98
Color Rendering Index [Ra]	80
R9 colour rendering index value	2
Beam Angle [°]	40 / 60
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]	N/A
Flicker Metric [Pst LM]	N/A
Stroboscopic Effect Metric [SVM]	N/A

Mechanical

Diameter D [mm]	Ø110 / Ø140 / Ø162 / Ø190/ Ø230
Cut out dimensions [mm]	Ø90 / Ø125 / Ø145 / Ø165 / Ø200
Height H [mm]	42 / 53 / 64 / 76 / 88
Material	Body: Die-cast aluminium
	Trim: Die-cast aluminium
	Reflector: High purity, anodized aluminium
	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
Energy Class	F
Mercury Content [mg]	0.0
Electrical Class	II

Other

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Dimmable [Yes/Only with specific dimmers/No]	Optional
Operation Temperature	-20°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Energy Consumption in on-mode [kWh/1000h]	9kWh / 15kWh / 20kWh / 28kWh / 32kWh