

LED Downlight ND351 E-355E

9W/15W/18W/23W/29W

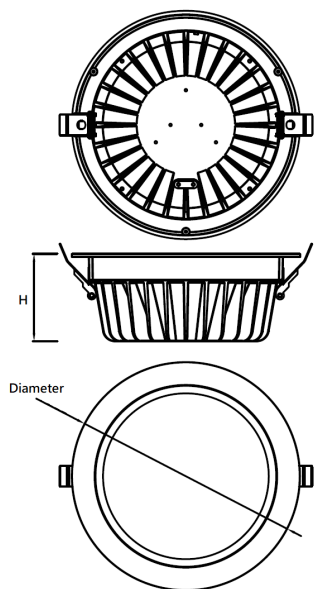
Features

- 9W / 15W / 18W / 23W / 29W LED Downlight
- Recessed round, uniform distribution
- Ideal replacement up to 70W HID downlight
- Cut out dimensions Ø90 / Ø125 / Ø145 / Ø165 / Ø200
- Dimmable as option
- Color Rendering Index: ≥80



Diagrams

Dimensions:



(Unit: mm)	(D)		(H)		Cut out Dimensions
ND351E	Ø110	X	42	X	Ø90
ND352E	Ø140	X	53	X	Ø125
ND353E	Ø162	X	64	X	Ø145
ND354E	Ø190	X	76	X	Ø165
ND355E	Ø230	X	88	X	Ø200

Prosperity Lamps & Components Ltd.

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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] 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 / 18W / 23W / 29W

On-mode Power [W] 9W / 15W / 18W / 23W / 29W

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 / 55 / 69 / 92 / 105 / 133

Model

ND351E-9W/8XX 9W (SMD 350mA, 24±2Vdc)

ND352E-15W/8XX 15W (SMD 350mA, 38±2Vdc)

ND353E-18W/8XX 18W (SMD 350mA, 46±2Vdc)

ND354E-23W/8XX 23W (SMD 350mA, 60±2Vdc)

ND355E-29W/8XX 29W (SMD 700mA, 36±2Vdc)

Luminous Flux (Useful Luminous Flux) [lm]

9W 765lm (740lm) @3000K

810lm (790lm) @4000K

855lm (830lm) @5000K

15W 1275lm (1240lm) @3000K

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18W	1350lm (1310lm) @4000K
	1450lm (1410lm) @5000K
	1530lm (1485lm) @3000K
	1620lm (1570lm) @4000K
23W	1710lm (1660lm) @5000K
	1955lm (1895lm) @3000K
	2070lm (2010lm) @4000K
	2185lm (2120lm) @5000K
29W	2465lm (2390lm) @3000K
	2610lm (2530lm) @4000K
	2755lm (2670lm) @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]	82-94
Color Rendering Index [Ra]	80
R9 colour rendering index value	2
Beam Angle [°]	90
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]	Yes
Operation Temperature	-20°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Energy Consumption in on-mode [kWh/1000h]	9kWh / 15kWh / 18kWh / 23kWh / 29kWh