

LED Downlight ND204X-207X

9W/13W/15W/21W/24W

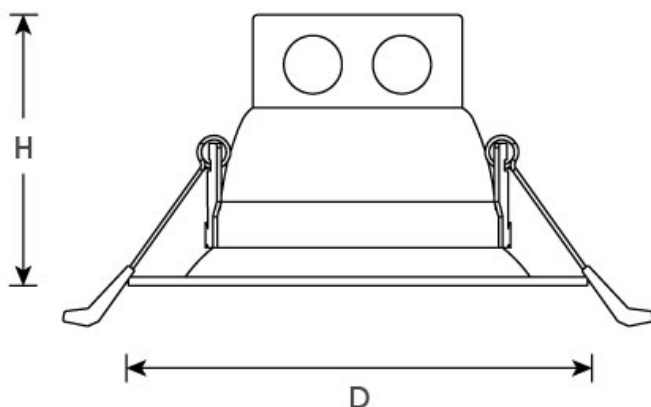
Features

- 9W / 13W / 15W / 21W / 24W LED Downlight
- Recessed round, uniform distribution
- Comfort glare-free diffuser
- Ideal replacement up to 2x26W compact fluo. downlight
- Wattage and lumen can be adjusted by a driver with lower output current
- Suitable for LED emergency lighting
- Feasible to integrate with dimming and control system
- Metal box with $\Phi 20\text{mm}$ knockout facilitates conduit mounting
- Cut out dimensions $\Phi 110\text{mm}$ / $\Phi 140\text{mm}$ / $\Phi 190\text{mm}$
- Good color rendition, $R_a \geq 80$



Diagrams

Dimensions:



(Unit : mm)	(D)	(H)	Cut Out Dimensions
ND204X	$\Phi 140$	x 83	$\Phi 110$
ND205X	$\Phi 180$	x 85	$\Phi 140$
ND207X	$\Phi 220$	x 85	$\Phi 190$

Prosperity Lamps & Components Ltd.

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

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 / 13W / 15W / 21W / 24W

On-mode Power [W] 9W / 13W / 15W / 21W / 24W

Standby Power [W] N/A

Networked Standby Power [W] N/A

Model

ND204X-9W/8XX 9W (22-29V, 350mA max.)

ND204X-13W/8XX 13W (33-40V, 350mA max.)

ND205X-15W/8XX 15W (39-47V, 350mA max.)

ND205X-21W/8XX 21W (40-46V, 500mA max.)

ND207X-24W/8XX 24W (32-38V, 700mA max.)

Luminous Flux (Useful Luminous Flux) [lm]

9W 720lm (700lm) @3000K/4000K/6500K

13W 1040lm (1010lm) @3000K/4000K/6500K

15W 1215lm (1180lm) @3000K/4000K/6500K

21W 1760lm (1710lm) @3000K/4000K/6500K

24W 2040lm (1980lm) @3000K/4000K/6500K

Performance

SCDM <6

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Chromaticity coordinates [x, y]	0.44, 0.403@3000K / 0.38, 0.38@4000K / 0.312, 0.335@6500K
Efficacy [lm/W]	78-83
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]	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]	140 / 140 / 180 / 180 / 220
Height H [mm]	83 / 83 / 85 / 85 / 85
Cut out dimensions [mm]	Ø110 / Ø110 / Ø140 / Ø140 / Ø190
Material	Body: Die-cast aluminium with white finish
Standard Compliance	
CE-LVD	EN60598-1, EN60598-2-2
CE-EMC	EN55015, EN61547, EN61000-3-2, EN61000-3-3
CE-EMF	EN62493
Environment	RoHS
Mercury Content [mg]	0.0
Energy Class	G (9W, 13W), F (15W, 21W, 24W)
Other	
Dimmable [Yes/Only with specific dimmers/No]	Optional
Operation Temperature	-10°C ~ 50°C
Storage Temperature	-10°C ~ 30°C
Energy Consumption in on-mode [kWh/1000h]	9kWh / 13kWh / 15kWh / 21kWh / 24kWh