

LED Downlight ND204E-207E

9W/11W/15W/20W/22W

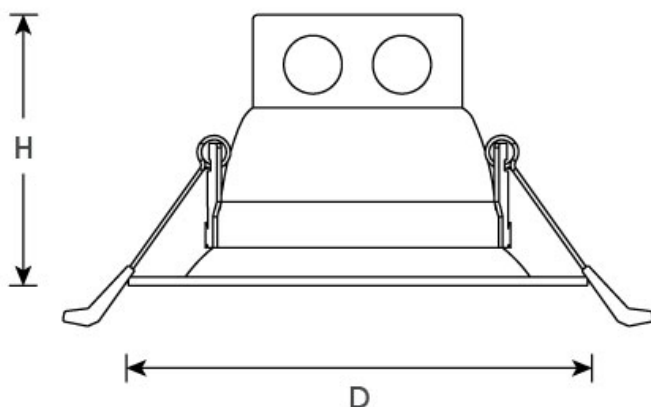
Features

- 9W / 11W / 15W / 20W / 22W LED Downlight
- Recessed round, uniform distribution
- Comfort glare-free diffuser
- Ideal replacement up to 2x26W compact fluo. downlight
- Metal box with Ø20mm knockout facilitates conduit mounting
- Integral gear unit allows quick and easy installation
- Cut out dimensions Ø110mm / Ø140mm / Ø190mm
- Good color rendition, Ra ≥80



Diagrams

Dimensions:



(Unit : mm)	(D)		(H)	Cut Out Dimensions
ND204E	Ø140	x	83	Ø110
ND205E	Ø180	x	85	Ø140
ND207E	Ø220	x	85	Ø190

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Standards



Applications



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]	9W / 11W / 15W / 20W / 22W
On-mode Power [W]	9W / 11W / 15W / 20W / 22W
Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	220-240V, 50/60Hz
Power Factor	0.7
Input Current [mA] @230V	56 / 68 / 93 / 124 / 137
Model	
ND204E-9W/8XX	9W
ND204E-11W/8XX	11W
ND205E-15W/8XX	15W
ND205E-20W/8XX	20W
ND207E-22W/8XX	22W
Luminous Flux (Useful Luminous Flux) [lm]	
9W	760lm (740lm) @3000K/4000K/6500K
11W	900lm (875lm) @3000K/4000K/6500K
15W	1200lm (1165lm) @3000K/4000K/6500K
20W	1555lm (1510lm) @3000K/4000K/6500K

22W	1730lm (1680lm) @3000K/4000K/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]	76-82
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
Environment	RoHS
Mercury Content [mg]	0.0
Energy Class	F
Electrical Class	I
Other	
Dimmable [Yes/Only with specific dimmers/No]	No
Operation Temperature	-10°C ~ 50°C
Storage Temperature	-10°C ~ 30°C
Energy Consumption in on-mode [kWh/1000h]	9kWh / 11kWh / 15kWh / 20kWh / 22kWh