

LED Downlight ND171E-175E

15W/20W/15Wx2/20Wx2

Features

- 15W / 20W / 15Wx2 / 20Wx2 LED Downlight
- Recessed round, uniform distribution
- Ideal replacement up to 100W halogen downlight
- Adjustable tilting angle of $\pm 20^\circ$ vertically (ND171,ND172,ND174,ND175)
- Beam angle: 36°
- Cut out dimensions 100x100mm / 215x100mm
- Dimmable as option
- Special color spectrum for aquarium, agriculture and food display, available on request
- Color Rendering Index: ≥ 80



ND171, ND172
(Adjustable)



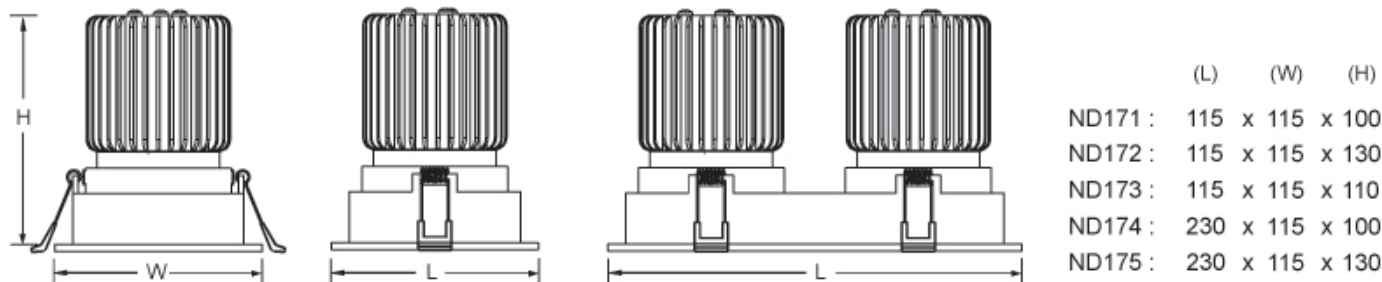
ND173



ND174, ND175
(Adjustable)

Diagrams

Dimensions:



Standards



IP20

Prosperity Lamps & Components Ltd.

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Applications



Home



Shopping mall



Hotel



Supermarket



Restaurant

Technical Data

Electrical

Rated Wattage [W]	15W / 20W / 15Wx2 / 20Wx2
Rated Voltage [V/Hz]	100-240V, 50/60Hz
Power Factor @230V	0.95
Input Current [mA] @230V	69 / 92 / 137 / 183
LED	COB

Model

ND171E-15W/8XX	15W (1 x COB 13W, 350mA, 36±2Vdc, 1485-1585lm)
ND172E-20W/8XX	20W (1 x COB 16W, 450mA, 36±2Vdc, 1780-1880lm)
ND173E-15W/8XX	15W (1 x COB 13W, 350mA, 36±2Vdc, 1485-1585lm)
ND174E-15Wx2/8XX	15Wx2 (2 x COB 13W, 350mA, 36±2Vdc, 1485-1585lm)
ND175E-20Wx2/8XX	20Wx2 (2 x COB 16W, 450mA, 36±2Vdc, 1755-1880lm)

Luminous Flux [lm]

15W	1100lm / 1160lm @3000K
	1150lm / 1210lm @4000K
	1200lm / 1260lm @6500K
20W	1470lm @3000K
	1530lm @4000K
	1590lm @6500K
15Wx2	2200lm @3000K
	2300lm @4000K
	2400lm @6500K
20Wx2	2880lm @2700K
	2940lm @3000K
	3060lm @4000K
	3180lm @6500K

Performance

SDCM	<6
Efficacy [lm/W]	72-84
Color Rendering Index [Ra]	≥80
Beam Angle [°]	36
Rated Life, Ta@25°C [hrs]	50,000
Lamp Survival Factor at 6000hrs	>0.9
Lumen Maintenance at 6000hrs	>0.8

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Number of Switching Cycles Before Failure	>15,000
Starting Time [S]	<0.5
Warm Up Time [S]	<2
Premature Failure At 1000hrs	<5%
Mechanical	
Length L [mm]	115 / 115 / 115 / 230 / 230
Width W [mm]	115
Height H [mm]	100 / 130 / 110 / 100 / 130
Cut out dimensions [mm*mm]	100*100 / 215*100
Material	Body: Die-cast aluminium
	Trim: Die-cast aluminium
	Reflector: High purity, anodized aluminium
Standard Compliance	
CE-LVD	EN60598-1, EN60598-2-2
CE-EMC	EN55015, EN61547, EN61000-3-2, EN61000-3-3
Mercury Content [mg]	0.0
Electrical Class	II
Other	
Dimmable [Y/N]	Optional
Operation Temperature	-10°C ~ 40°C
Storage Temperature	-20°C ~ 60°C