

LED Downlight ND181E-188E

15W/19W/29W/39W

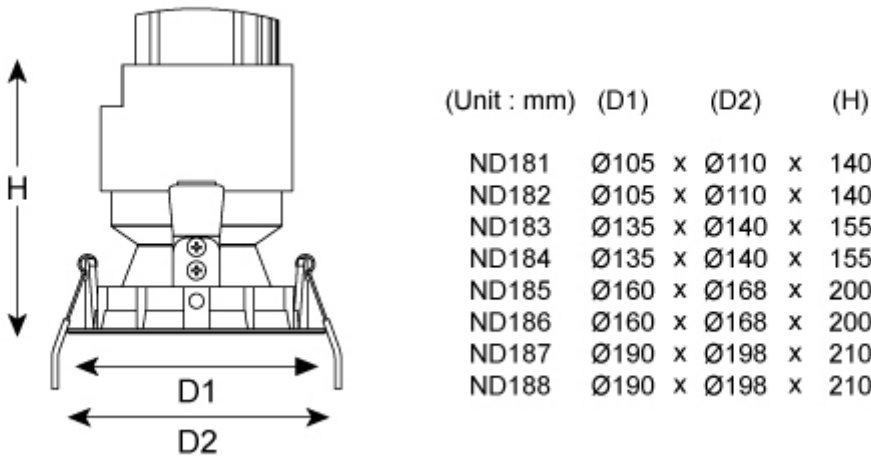
Features

- 15W / 19W / 29W / 39W LED Downlight
- Recessed round, uniform distribution
- Ideal replacement up to 70W HID downlight
- Adjustable tilting angle of 0°-25° vertically (ND182,ND184,ND186,ND188)
- Cut out diameters Ø105mm / Ø135mm / Ø160mm / Ø190mm
- Dimmable as option
- Special color spectrum for aquarium, agriculture and food display, available on request
- Color Rendering Index: ≥80



Diagrams

Dimensions:



ND18 Front View:



ND181



ND183



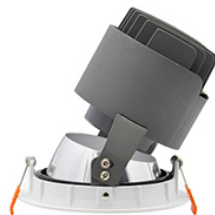
ND185



ND187



ND182



ND184



ND186



ND188

ND18 Back View:



ND18 Bottom View:



Standards



Applications



Technical Data	
Electrical	
Rated Wattage [W]	15W / 19W / 29W / 39W
Rated Voltage [V/Hz]	100-240V, 50/60Hz
Power Factor @230V	0.95
Input Current [mA] @230V	69 / 87 / 133 / 178
LED	COB
Model	
ND181E-15W/8XX	15W (COB 13W, 350mA, 36±2Vdc, 1485-1585lm)
ND182E-15W/8XX	15W (COB 13W, 350mA, 36±2Vdc, 1485-1585lm)
ND183E-19W/8XX	19W (COB 16W, 450mA, 36±2Vdc, 1790-1910lm)
ND184E-19W/8XX	19W (COB 16W, 450mA, 36±2Vdc, 1790-1910lm)

ND185E-29W/8XX	29W (COB 25W, 700mA, 36±2Vdc, 2880-3020lm)
ND186E-29W/8XX	29W (COB 25W, 700mA, 36±2Vdc, 2880-3020lm)
ND187E-39W/8XX	39W (COB 32W, 900mA, 36±2Vdc, 3860-4040lm)
ND188E-39W/8XX	39W (COB 32W, 900mA, 36±2Vdc, 3860-4040lm)
Luminous Flux [lm]	
15W	1100lm / 1080lm @3000K
	1150lm / 1130lm @4000K
	1200lm / 1180lm @6500K
19W	1520lm / 1490lm @3000K
	1580lm / 1550lm @4000K
	1640lm / 1610lm @6500K
29W	1990lm / 1950lm @3000K
	2060lm / 2020lm @4000K
	2130lm / 2090lm @6500K
39W	2900lm / 2840lm @3000K
	2990lm / 2930lm @4000K
	3080lm / 3020lm @6500K
Performance	
SDCM	<6
Efficacy [lm/W]	67-86
Color Rendering Index [Ra]	≥80
Beam Angle [°]	24 / 24 / 20 / 20 / 26 / 26 / 26 / 26
Rated Life, Ta@25°C [hrs]	50,000
Lamp Survival Factor at 6000hrs	>0.9
Lumen Maintenance at 6000hrs	>0.8
Number of Switching Cycles Before Failure	>15,000
Starting Time [S]	<0.5
Warm Up Time [S]	<2
Premature Failure At 1000hrs	<5%
Mechanical	
Diameter D [mm]	Ø110 / Ø110 / Ø140 / Ø140 / Ø168 / Ø168 / Ø198 / Ø198
Height H [mm]	140 / 140 / 155 / 155 / 200 / 200 / 210 / 210
Cut out diameter [mm]	Ø105 / Ø105 / Ø135 / Ø135 / Ø160 / Ø160 / Ø190 / Ø190
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

Prosperity Lamps & Components Ltd.

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

Storage Temperature

-20°C ~ 60°C