

LED Spotlight NS101E-104E

8W/15W/34W/47W

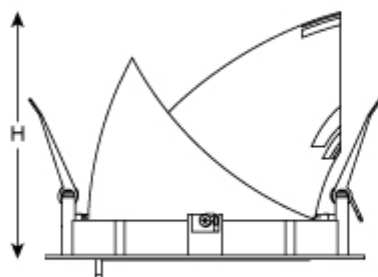
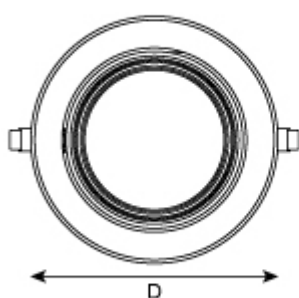
Features

- 8W / 15W / 34W / 47W LED spotlight
- Adjustable tilting angle of 0°-80° vertically and 350° horizontally
- Ideal replacement for HID lighting fixtures up to 70W
- Cut out diameters Ø78mm / Ø120mm / Ø157mm / Ø175mm
- Dimmable as option
- Special color spectrum for aquarium, agriculture and food display, available on request
- Color Rendering Index: ≥80



Diagrams

Dimensions:



(Unit : mm)	(D)	(H)
NS101	Ø85	x 78
NS102	Ø130	x 115
NS103	Ø165	x 143
NS104	Ø190	x 155

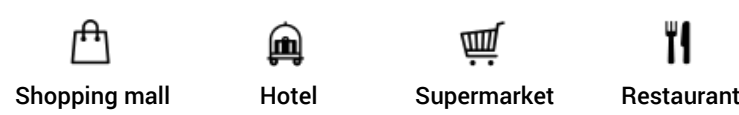
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Standards



Applications



Technical Data	
Electrical	
Rated Wattage [W]	8W / 15W / 34W / 47W
Rated Voltage [V/Hz]	220-240Vac, 50/60Hz
Power Factor @230V	0.99
Input Current [mA] @230V	35 / 66 / 149 / 206
LED	COB
Model	
NS101E-8W/8XX	8W (COB 6W, 350mA, 18±1Vdc, 740-800lm)
NS102E-15W/8XX	15W (COB 13W, 350mA, 36±2Vdc, 1680-1840lm)
NS103E-34W/8XX	34W (COB 29W, 700mA, 42±2Vdc, 4220-4640lm)
NS104E-47W/8XX	47W (COB 38W, 1050mA, 36±2Vdc, 5230-5750lm)
Luminous Flux [lm]	
8W	500lm @3000K
	525lm @4000K
	550lm @6500K
15W	1150lm @3000K
	1210lm @4000K
	1270lm @6500K
34W	2950lm @3000K
	3100lm @4000K
	3250lm @6500K
47W	3900lm @3000K
	4100lm @4000K
	4300lm @6500K
Performance	
SDCM	<6
Efficacy [lm/W]	63-96
Color Rendering Index [Ra]	≥80

Beam Angle [°]	24 (8W,15W), 24 / 38 / 60 (34W,47W)
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]	Ø85 / Ø130 / Ø165 / Ø190
Height H [mm]	78 / 115 / 143 / 155
Cut out diameters [mm]	Ø78 / Ø120 / Ø157 / Ø175
Adjustable angle	80° tiltable and 350° rotatable
Material	Body: Die-cast aluminium
	Reflector: Anodised faceted aluminium
	Diffuser: Toughened glass
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