

LED HighBay NH151E-154E

100W/150W/200W/240W

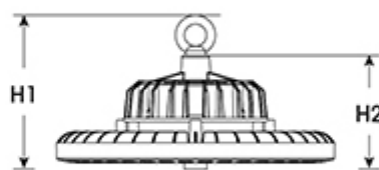
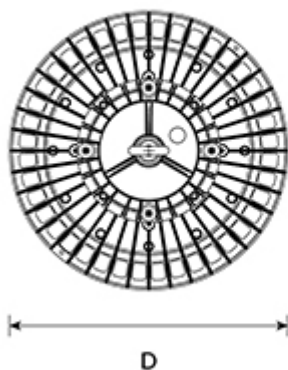
Features

- 100W / 150W / 200W / 240W LED Highbay
- 120° beam angles for large open area coverage
- Uniformity distribution in high ceiling application
- Good color rendition, Ra ≥80



Diagrams

Dimensions:



(Unit : mm)	(D)	(H1)	(H2)
NH151E	250 x	139 x	103
NH152E	250 x	139 x	103
NH153E	250 x	151 x	115
NH154E	300 x	161 x	125

Prosperity Lamps & Components Ltd.

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Reflectors:

**PC 60°****100W: Ø311 x 166.5mm****150W: Ø308 x 120mm****200W: Ø410 x 210.5mm****240W: Ø410 x 210.5mm****ALU 90°****100W: Ø340 x 115mm****150W: Ø370 x 130mm****200W: Ø430 x 135mm****240W: Ø430 x 135mm**

Standards

**IP65**

Applications



Warehouse

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] 100W / 150W / 200W / 240W

On-mode Power [W] 100W / 150W / 200W / 240W

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Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	100-277Vac, 50/60Hz
Power Factor	0.9
Input Current [mA] @230V	483 / 725 / 966 / 1159
LED	SMD
Model	
NH151E-100W/8XX	100W
NH152E-150W/8XX	150W
NH153E-200W/8XX	200W
NH154E-240W/8XX	240W
Luminous Flux (Useful Luminous Flux) [lm]	
100W	14000lm @3000K
	14500lm @4000K
	15000lm @6500K
150W	21000lm @3000K
	21750lm @4000K
	22500lm @6500K
200W	28000lm @3000K
	29000lm @4000K
	30000lm @6500K
240W	33600lm @3000K
	34800lm @4000K
	36000lm @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]	140-150
Color Rendering Index [Ra]	80
R9 colour rendering index value	2
Beam Angle [°]	120
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]	0.9
Flicker Metric [Pst LM]	1
Stroboscopic Effect Metric [SVM]	0.4
Mechanical	
Diameter D [mm]	250 / 250 / 250 / 300

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Height H1 [mm]	139 / 139 / 151 / 161
Height H2 [mm]	103 / 103 / 115 / 125
Material	Body: Die-cast Aluminium
	Lens: PC
	Reflector(optional): PC / Aluminium
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	C / D
Electrical Class	I
Other	
Dimmable [Yes/Only with specific dimmers/No]	No
Operation Temperature	-10°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Energy Consumption in on-mode [kWh/1000h]	100kWh / 150kWh / 200kWh / 240kWh