

LED HighBay NH141E-144E

50W/100W/150W/200W

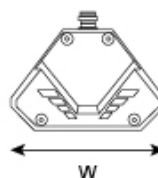
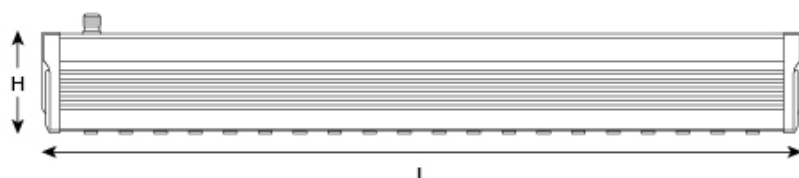
Features

- 50W / 100W / 150W / 200W LED Linear Highbay
- 30° / 60° / 90° / 80°x150° / 30°x70° / 60°x90° beam angles for large open area coverage
- Uniformity distribution in high ceiling application
- Good color rendition, Ra ≥80



Diagrams

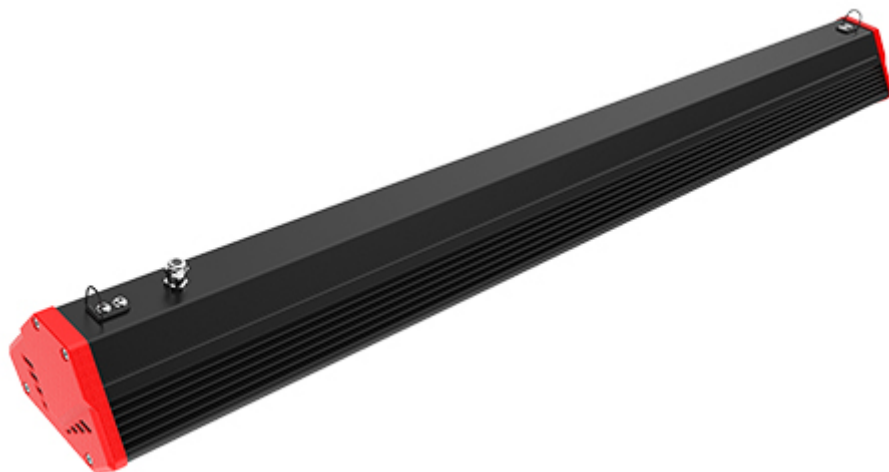
Dimensions:



(Unit : mm)	(L)		(W)	(H)
NH141E	278	x	135	x 90
NH142E	529	x	135	x 90
NH143E	780	x	135	x 90
NH144E	1131	x	135	x 90

Prosperity Lamps & Components Ltd.

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

Back View:**Bracket:****Chain:**

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]		50W / 100W / 150W / 200W
On-mode Power [W]		50W / 100W / 150W / 200W
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		242 / 483 / 725 / 966
Model		
NH141E-50W/830		50W 3000K
NH141E-50W/840		50W 4000K
NH141E-50W/865		50W 6500K
NH142E-100W/830		100W 3000K
NH142E-100W/840		100W 4000K
NH142E-100W/865		100W 6500K
NH143E-150W/830		150W 3000K
NH143E-150W/840		150W 4000K
NH143E-150W/865		150W 6500K

NH144E-200W/830	200W 3000K
NH144E-200W/840	200W 4000K
NH144E-200W/865	200W 6500K
Luminous Flux (Useful Luminous Flux) [lm]	
50W	5750lm (5465lm) @3000K
	6000lm (5700lm) @4000K
	6250lm (5940lm) @6500K
100W	11500lm(10925lm) @3000K
	12000lm (11400lm) @4000K
	12500lm (11875lm) @6500K
150W	17250lm (16390lm) @3000K
	18000lm (17100lm) @4000K
	18750lm (17815lm) @6500K
200W	23000lm (21850lm) @3000K
	24000lm (22800lm) @4000K
	25000lm (23750lm) @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]	109-119
Color Rendering Index [Ra]	80
R9 colour rendering index value	2
Beam Angle [°]	30-150
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	
Length L [mm]	278 / 529 / 780 / 1131
Width W [mm]	135 / 135 / 135 / 135
Height H [mm]	90 / 90 / 90 / 90
Material	Body: Die-cast aluminium and external aluminium profile
	Lens: PC
	Chips: Philips Lumileds 3030
	Driver: Meanwell / Sosen
Standard Compliance	
CE-LVD	EN60598-1, EN60598-2-2

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CE-EMC	EN55015, EN61547, EN61000-3-2, EN61000-3-3
Environment	RoHS
Mercury Content [mg]	0.0
Energy Class	D / E
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]	50kWh / 100kWh / 150kWh / 200kWh