

LED HighBay NH1020-1024

60W/80W/100W/150W/200W

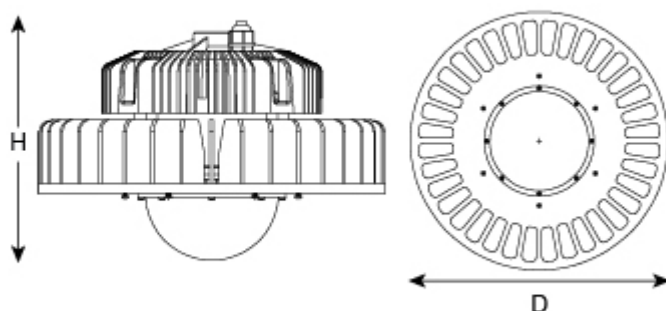
Features

- 60W / 80W / 100W / 150W / 200W LED Highbay
- Uniformity distribution in high ceiling application
- Separately packed reflectors for cost saving logistics
- 125° beam angle for large open area coverage
- Good color rendition, Ra ≥70



Diagrams

Dimensions:



(Unit : mm)	(D)	(H)
NH1020	Ø180 x	157
NH1021	Ø230 x	224
NH1022	Ø230 x	224
NH1023	Ø260 x	234
NH1024	Ø300 x	250

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Reflectors:



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]	60W / 80W / 100W / 150W / 200W
On-mode Power [W]	60W / 80W / 100W / 150W / 200W
Standby Power [W]	N/A
Networked Standby Power [W]	N/A

Rated Voltage [V/Hz]	90-305Vac, 50/60Hz
Power Factor	0.95
Input Current [mA] @230V	275 / 366 / 458 / 686 / 915
LED	SMD
Model	
NH1020-3-ALB060-02	60W 3000K
NH1020-3-ALD060-02	60W 4000K
NH1020-3-ALG060-02	60W 6500K
NH1021-3-ALB080-02	80W 3000K
NH1021-3-ALD080-02	80W 4000K
NH1021-3-ALG080-02	80W 6500K
NH1022-3-ALB100-02	100W 3000K
NH1022-3-ALD100-02	100W 4000K
NH1022-3-ALG100-02	100W 6500K
NH1023-3-ALB150-02	150W 3000K
NH1023-3-ALD150-02	150W 4000K
NH1023-3-ALG150-02	150W 6500K
NH1024-3-ALB200-02	200W 3000K
NH1024-3-ALD200-02	200W 4000K
NH1024-3-ALG200-02	200W 6500K
Luminous Flux (Useful Luminous Flux) [lm]	
60W	6800lm(6460lm) @3000K
	7200lm(6840lm) @4000K
	7500lm(7125lm) @6500K
80W	9000lm(8550lm) @3000K
	9800lm(9310lm) @4000K
	10400lm(9880lm) @6500K
100W	11400lm(10830lm) @3000K
	12200lm(11600lm) @4000K
	13000lm(12350lm) @6500K
150W	17500lm(16630lm) @3000K
	18500lm(17575lm) @4000K
	19500lm(18525lm) @6500K
200W	24000lm(22800lm) @3000K
	25000lm(23750lm) @4000K
	26000lm(24700lm) @6500K
Peak Luminous Intensity [cd]	
NH1020-3-ALB060-02	1700
NH1020-3-ALD060-02	1800
NH1020-3-ALG060-02	1900
NH1021-3-ALB080-02	2350
NH1021-3-ALD080-02	2450
NH1021-3-ALG080-02	2550
NH1022-3-ALB100-02	2950

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NH1022-3-ALD100-02	3050
NH1022-3-ALG100-02	3150
NH1023-3-ALB150-02	4525
NH1023-3-ALD150-02	4625
NH1023-3-ALG150-02	4725
NH1024-3-ALB200-02	6150
NH1024-3-ALD200-02	6250
NH1024-3-ALG200-02	6350
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]	111-130
Color Rendering Index [Ra]	70
R9 colour rendering index value	2
Beam Angle [°]	125
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
Stroboscopic Effect Metric [SVM]	0.4
Mechanical	
Diameter D [mm]	Ø180 / Ø230 / Ø230 / Ø260/ Ø300
Height H [mm]	157 / 224 / 224 / 234 / 250
Material	Body: Die-cast Aluminium
	Lens: PC
	Reflector (optional): Anodised aluminium
	Chips: Lumileds 3030
	Driver: Meanwell / Sosen
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	3000K / 4000K / 6500K
60W	E / E / D
80W	E / D / D
100W	E / D / D
150W	E / D / D
200W	E / D / D

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Electrical Class	I
Other	
Dimmable [Yes/Only with specific dimmers/No]	Yes
Operation Temperature	-10°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Energy Consumption in on-mode [kWh/1000h]	60kWh / 80kWh / 100kWh / 150kWh / 200kWh