

LED HighBay NH1020-1024 120V

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

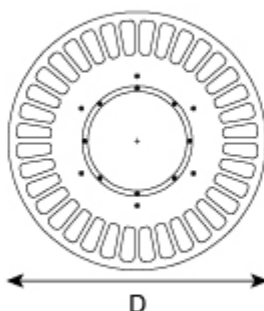
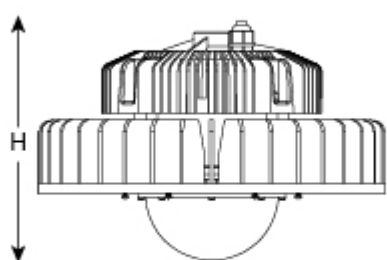
Features

- 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

Dimension:



(Unit : mm)	(D)	(H)
60W	Ø7.09" x 6.18"	
80W	Ø9.06" x 8.82"	
100W	Ø9.06" x 8.82"	
150W	Ø10.24" x 9.21"	
200W	Ø11.81" x 9.84"	

Prosperity Lamps & Components Ltd.

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Reflectors:



90° : Ø17.91"x5.12"



120° : Ø19.88"x4.92"



60° : Ø16.34x10.63"

Standards



IP65



Applications



Warehouse

Technical Data

Electrical

Rated Wattage [W] 60W / 80W / 100W / 150W / 200W

Rated Voltage [V/Hz] 90-305Vac, 50/60Hz

Power Factor @120V 0.95

Input Current [mA] @120V 526 / 702 / 877 / 1320 / 1750

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

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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 [lm]	
60W	6800lm @3000K
	7200lm @6500K
	7500lm @6500K
80W	9000lm @3000K
	9800lm @4000K
	10400lm @6500K
100W	11400lm @3000K
	12200lm @4000K
	13000lm @4000K
150W	17500lm @3000K
	18500lm @4000K
	19500lm @4000K
200W	24000lm @3000K
	25000lm @4000K
	26000lm @4000K
Performance	
SDCM	<6
Estimated Yearly Energy Cost [\$USD]	7.23 / 9.64 / 12.05 / 18.07 / 24.09
Luminous Efficacy [lm/W]	113-130
Color Rendering Index [Ra]	≥70
Color Maintenance [hr]	>6000
Luminous Intensity Distribution [°]	125
Life [Yrs] (based on 3hrs/day)	46
Lumen Maintenance at 6000hrs	>0.8
Rapid Cycle Stress	>15,000 cycles
Start Time [sec]	<0.5
LED Failure	<5%
Mechanical	
Diameter D [in]	Φ7.09 / Φ9.06 / Φ9.06 / Φ10.24 / Φ11.81
Height H [in]	6.18 / 8.82 / 8.82 / 9.21 / 9.84
Material	Body: Die-cast Aluminium
	Lens: PC
	Reflector (optional): Anodised aluminium
	Chips: Lumileds 3030
	Driver: Meanwell / Sosen

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Standard Compliance	
ANSI	UL8750, UL1993, C82.77-2002, C78.377-2008
FCC	FCC CFR Part 15
Mercury Content [mg]	0.0
Other	
Dimmable [Y/N]	Y
Operation Temperature	-10°C ~ 40°C
Storage Temperature	-20°C ~ 60°C