

LED HighBay NH151E-154E 120V

100W/150W/200W/240W

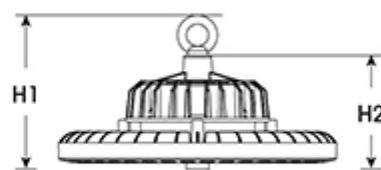
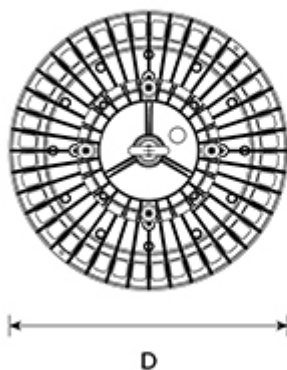
Features

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



Diagrams

Dimensions:



(Unit : inch)	(D)		(H1)		(H2)
NH151E	9.84	x	5.47	x	4.06
NH152E	9.84	x	5.47	x	4.06
NH153E	9.84	x	5.94	x	4.53
NH154E	11.81	x	6.34	x	4.92

Prosperity Lamps & Components Ltd.

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Reflectors:



PC 60°
100W: Ø12.20" x 6.56"
150W: Ø12.13" x 4.72"
200W: Ø16.14" x 8.29"
240W: Ø16.14" x 8.29"



ALU 90°
100W: Ø13.39" x 4.53"
150W: Ø14.57" x 5.12"
200W: Ø16.93" x 5.31"
240W: Ø16.93" x 5.31"

Standards



Applications



Warehouse

Technical Data	
Electrical	
Rated Wattage [W]	100W / 150W / 200W / 240W
Rated Voltage [V/Hz]	100-277Vac, 50/60Hz
Power Factor @230V	0.9
Input Current [mA] @120V	926 / 1389 / 1500 / 2222
LED	SMD
Model	
NH151E-100W/8XX	100W
NH152E-150W/8XX	150W
NH153E-200W/8XX	200W
NH154E-240W/8XX	240W
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	
SDCM	<6
Estimated Yearly Energy Cost [\$USD]	12.05 / 18.07 / 24.1 / 28.9
Luminous Efficacy [lm/W]	140-150
Color Rendering Index [Ra]	≥80
Color Maintenance [hr]	>6000
Luminous Intensity Distribution [°]	120
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]	Φ9.84 / Φ9.84 / Φ9.84 / Φ11.81
Height H [in]	5.47 / 5.47 / 5.94 / 6.34
Material	Body: Die-cast Aluminium
	Lens: PC
	Reflector(optional): PC / Aluminium
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]	N
Operation Temperature	-10°C ~ 40°C
Storage Temperature	-20°C ~ 60°C