

LED Panel NP161E-164E

20W/40W/75W

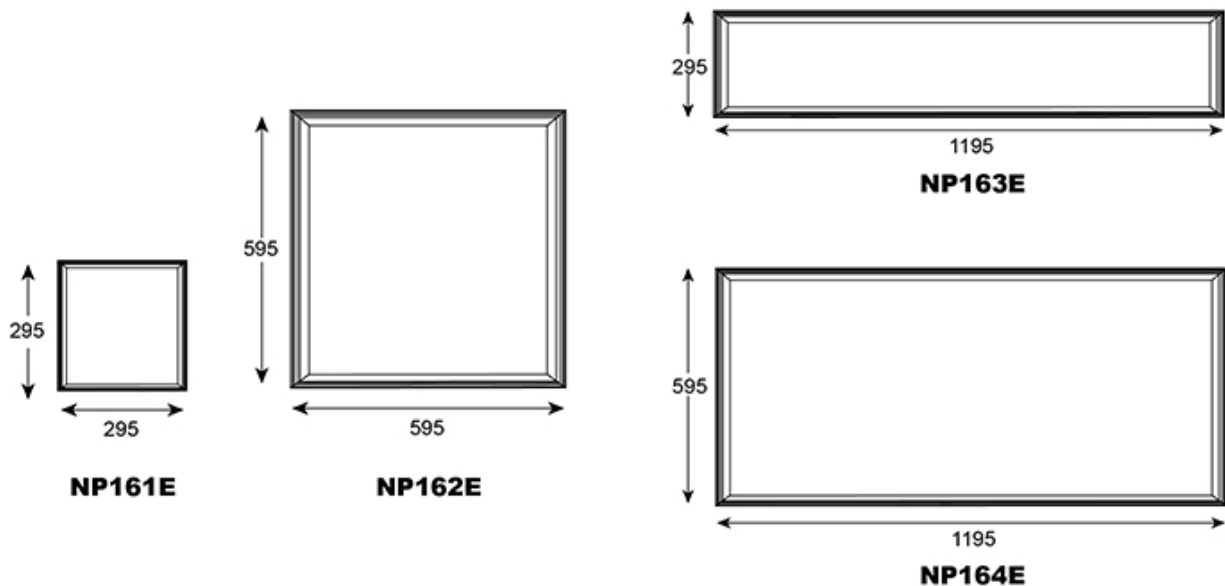
Features

- 20W / 40W / 75W LED Panel
- Frosted PC diffuser provide uniform distribution
- Comfort glare-free light
- Dimmable as option
- Good color rendition, Ra ≥80



Diagrams

Dimensions:



Prosperity Lamps & Components Ltd.

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

Standards



IP20

Applications



Office



Shopping mall



Hotel



School



Hospital



Gallery



Museum

Technical Data

Type of Light Source

Lighting Technology Used LED

Non-directional or Directional [NDLS/DLS] DLS

Mains or Non-mains [MLS/NMLS] NMLS

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] 20W / 40W / 75W

On-mode Power [W] 20W / 40W / 75W

Standby Power [W] N/A

Networked Standby Power [W] N/A

Rated Voltage [V/Hz] 220-240V, 50/60Hz

Power Factor 0.95

Input Current [mA] @230V 92 / 183 / 343

LED SMD (480mA/960mA/1700mA)

Model

NP161E-20W/8XX 20W

NP162E-40W/8XX 40W

NP163E-40W/8XX 40W

NP164E-75W/8XX 75W

Luminous Flux (Useful Luminous Flux) [lm]

20W 1800lm (1710lm) @3000K

1900lm (1805lm) @4000K

2000lm (1900lm) @6500K

40W 3800lm (3610lm) @3000K

Prosperity Lamps & Components Ltd.

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

75W	3900lm (3705lm) @4000K
	4000lm (3800lm) @6500K
	7000lm (6650lm) @3000K
	7100lm (6745lm) @4000K
	7200lm (6840lm) @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]	86-91
Color Rendering Index [Ra]	≥80
R9 colour rendering index value	2
Beam Angle [°]	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]	N/A
Flicker Metric [Pst LM]	N/A
Stroboscopic Effect Metric [SVM]	N/A
Mechanical	
Length L [mm]	295 / 595 / 295 / 595
Width W [mm]	295 / 595 / 1195 / 1195
Material	Body: Aluminium frame with white finish Diffuser: Frosted PC
Standard Compliance	
CE-LVD	EN62560
CE-EMC	EN55015, EN61547, EN61000-3-2, EN61000-3-3
CE-EMF	EN62493
Environment	RoHS
Mercury Content [mg]	0.0
Energy Class	F
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]	20kWh / 40kWh / 75kWh