

LED Floodlight UF251E-254E

10W/20W/30W/50W/100W

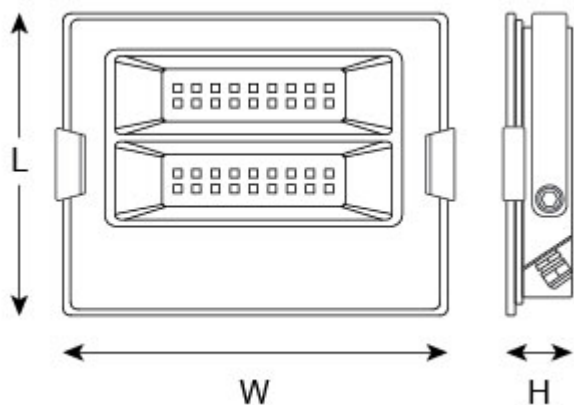
Features

- 10W / 20W / 30W / 50W / 100W LED Floodlight
- Polyester powder finish for excellent corrosion and UV resistance
- Designed for excellent thermal transfer to extend component life
- Uniform design with four construction sizes
- Good heat dissipation performance
- Good color rendition, Ra ≥80



Diagrams

Dimensions:



(Unit : mm)	(L)	(W)	(H)
UF251E	142 x	118 x	31
UF252E	172 x	143 x	31
UF253E	208 x	161 x	31
UF254E	293 x	213 x	33

Standards

**IP66**

Prosperity Lamps & Components Ltd.

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Applications



Parking



School



Garden



Warehouse



Factory



Arena



Airport



Station

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] 10W / 20W / 30W / 50W / 100W

On-mode Power [W] 10W / 20W / 30W / 50W / 100W

Standby Power [W] N/A

Networked Standby Power [W] N/A

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

Power Factor 0.9

Input Current [mA] @230V 48 / 97 / 145 / 242 / 483

Model

UF251E-10W/8XX 10W

UF252E-20W/8XX 20W

UF252E-30W/8XX 30W

UF253E-50W/8XX 50W

UF254E-100W/8XX 100W

Luminous Flux (Useful Luminous Flux) [lm]

10W 720lm (685lm) @3000K

760lm (720lm) @4000K

800lm (760lm) @6500K

20W 1600lm (1520lm) @3000K

1650lm (1570lm) @4000K

1700lm (1615lm) @6500K

30W 2475lm (2350lm) @3000K

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	2550lm (2420lm) @4000K
	2630lm (2500lm) @6500K
50W	4210lm (4000lm) @3000K
	4475lm (4250lm) @4000K
	4735lm (4500lm) @6500K
100W	8630lm (8200lm) @3000K
	8790lm (8350lm) @4000K
	8950lm (8500lm) @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]	69-90
Color Rendering Index [Ra]	80
R9 colour rendering index value	2
Beam Angle [°]	105 x 73
Rated Life, Ta@25°C [hrs]	15,000
Lamp Survival Factor	0.9
Lumen Maintenance	0.96
Number of Switching Cycles Before Failure	7,500
Starting Time [S]	<0.5
Warm Up Time [S]	<2
Premature Failure At 1000hrs	<5%
Displacement Factor [cosØ]	0.7 / 0.7 / 0.9 / 0.9 / 0.9
Flicker Metric [Pst LM]	1
Stroboscopic Effect Metric [SVM]	0.4
Mechanical	
Length L [mm]	142 / 172 / 172 / 208 / 293
Width W [mm]	118 / 143 / 143 / 161 / 213
Height H [mm]	31 / 31 / 31 / 31 / 33
Material	Body : Sturdy die-cast steel housing with anodised steel bracket and extruded silicone rubber gasket
	Diffuser : Toughened glass
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	G (10W 830 840) / F
Electrical Class	I
Other	
Dimmable [Yes/Only with specific dimmers/No]	No
Operation Temperature	-10°C ~ 40°C
Storage Temperature	-20°C ~ 60°C

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Energy Consumption in on-mode [kWh/1000h]

10kWh / 20kWh / 30kWh / 50kWh / 100kWh