

LED Floodlight UF241E-245E

20W/30W/50W/100W/150W/200W

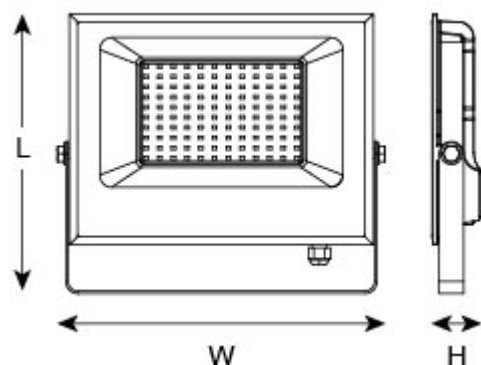
Features

- 20W / 30W / 50W / 100W / 150W / 200W LED Floodlight
- Polyester powder finish for excellent corrosion and UV resistance
- Designed for excellent thermal transfer to extend component life
- Uniform design with five construction sizes
- Good heat dissipation performance
- Good color rendition, Ra ≥80



Diagrams

Dimensions:



(Unit : mm)	(L)		(W)		(H)
UF241E	140	x	145	x	35
UF242E	173	x	196	x	40
UF243E	230	x	269.5	x	40
UF244E	292	x	339.5	x	42
UF245E	331	x	404	x	43.5

Standards



IP65

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] 20W / 30W / 50W / 100W / 150W / 200W

On-mode Power [W] 20W / 30W / 50W / 100W / 150W / 200W

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 97 / 145 / 242 / 483 / 725 / 966

Model

UF241E-20W/8XX 20W

UF241E-30W/8XX 30W

UF242E-50W/8XX 50W

UF243E-100W/8XX 100W

UF244E-150W/8XX 150W

UF245E-200W/8XX 200W

Luminous Flux (Useful Luminous Flux) [lm]

20W 1600lm (1520lm) @3000K

1650lm (1570lm) @4000K

1700lm (1615lm) @6500K

30W 2600lm (2470lm) @3000K

2650lm (2520lm) @4000K

2700lm (2565lm) @6500K

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50W	4350lm (4130lm) @3000K
	4425lm (4200lm) @4000K
	4500lm (4275lm) @6500K
100W	8700lm (8265lm) @3000K
	8850lm (8410lm) @4000K
	9000lm (8550lm) @6500K
150W	13050lm (12400lm) @3000K
	13275lm (12610lm) @4000K
	13500lm (12825lm) @6500K
200W	17400lm (16530lm) @3000K
	17700lm (16815lm) @4000K
	18000lm (17100lm) @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]	76-86
Color Rendering Index [Ra]	80
R9 colour rendering index value	2
Beam Angle [°]	115
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]	0.7 / 0.9 / 0.9 / 0.9 / 0.9 / 0.9
Flicker Metric [Pst LM]	1
Stroboscopic Effect Metric [SVM]	0.4
Mechanical	
Length L [mm]	140 / 140 / 173 / 230 / 292 / 331
Width W [mm]	145 / 145 / 196 / 269.5 / 339.5 / 404
Height H [mm]	35 / 35 / 40 / 40 / 42 / 43.5
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	F
Electrical Class	I

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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 / 30kWh / 50kWh / 100kWh / 150kWh / 200kWh