

LED Floodlight UF5031-5041

10W-320W

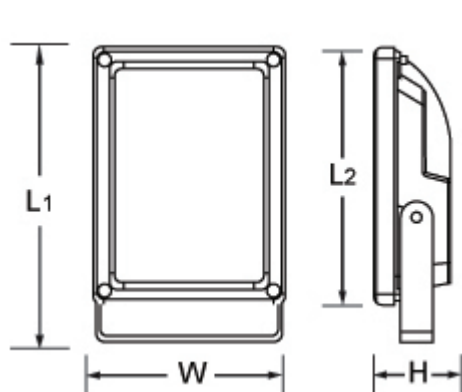
Features

- 10W / 15W / 20W / 35W / 50W / 70W / 100W / 150W / 200W / 240W / 320W LED floodlight
- Precise beam angle control by high purity reflector
- Polyester powder finish for excellent corrosion and UV resistance
- Designed for excellent thermal transfer to extend component life
- Uniformed design with five construction sizes
- Color Rendering Index: ≥ 70



Diagrams

Dimensions:



	(L1)	(L2)	(W)	(H)
UF5031 :	153	(134)	x 100	x 40
UF5032 :	153	(134)	x 100	x 40
UF5033 :	153	(134)	x 100	x 52
UF5034 :	230	(204)	x 155	x 57
UF5035 :	251	(205)	x 170	x 70
UF5036 :	330	(292)	x 228	x 70
UF5037 :	338	(357)	x 307	x 94
UF5038 :	338	(357)	x 307	x 94
UF5039 :	519	(474)	x 424	x 133
UF5040 :	519	(474)	x 424	x 133
UF5041 :	624	(574)	x 516	x 118

Standards

**IP65**

Prosperity Lamps & Components Ltd.

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Applications



Technical Data	
Electrical	
Rated Wattage [W]	10W/15W/20W/35W/50W/70W/ 100W/150W/200W/240W/320W
Rated Voltage [V/Hz]	220-240Vac, 50/60Hz
Power Factor @230V	0.9
Input Current [mA] @230V	48 / 72 / 97 / 169 / 242 / 338 / 483 / 725 / 966 / 1159 / 1546
LED	SMD (160mA/350mA/490mA/1030mA/ 1500mA/2050mA/3000mA/4500mA 6000mA/7000mA/8050mA)
Model	
UF5031-3-ALB010-03	10W 3000K
UF5031-3-ALG010-03	10W 6500K
UF5032-3-ALB015-03	15W 3000K
UF5032-3-ALG015-03	15W 6500K
UF5033-3-ALB020-03	20W 3000K
UF5033-3-ALG020-03	20W 6500K
UF5034-3-ALB035-03	35W 3000K
UF5034-3-ALG035-03	35W 6500K
UF5035-3-ALB050-03	50W 3000K
UF5035-3-ALG050-03	50W 6500K
UF5036-3-ALB070-03	70W 3000K
UF5036-3-ALG070-03	70W 6500K
UF5037-3-ALB100-03	100W 3000K
UF5037-3-ALG100-03	100W 6500K
UF5038-3-ALB150-03	150W 3000K
UF5038-3-ALG150-03	150W 6500K
UF5039-3-ALB200-03	200W 3000K
UF5039-3-ALG200-03	200W 6500K
UF5040-3-ALB240-03	240W 3000K
UF5040-3-ALG204-03	240W 6500K
UF5041-3-ALB320-03	320W 3000K
UF5041-3-ALG320-03	320W 6500K
Luminous Flux (lm)	

10W	730lm @3000K
	800lm @6500K
15W	890lm @3000K
	1070lm @6500K
20W	1050lm @3000K
	1260lm @6500K
35W	2730lm @3000K
	2760lm @6500K
50W	3730lm @3000K
	3800lm @6500K
70W	4860lm @3000K
	5200lm @6500K
100W	7900lm @3000K
	8500lm @6500K
150W	11020lm @3000K
	12110lm @6500K
200W	13000lm @3000K
	14000lm @6500K
240W	14100lm @3000K
	15400lm @6500K
320W	22000lm @3000K
	23000lm @6500K

Performance

SDCM	<6
Efficacy [lm/W]	53-85
Color Rendering Index [Ra]	≥70
Beam Angle [°]	110
Rated Life, Ta@25°C [hrs]	50,000
Lamp Survival Factor at 6000hrs	>0.9
Lumen Maintenance at 6000hrs	>0.8
Number of Switching Cycles Before Failure	>15,000
Starting Time [S]	<0.5
Warm Up Time [S]	<2
Premature Failure At 1000hrs	<5%

Mechanical

Length L1 (L2) x Width W x Height H [all in mm]	UF5031 : 153 (134) x 100 x 40
	UF5032 : 153 (134) x 100 x 40
	UF5033 : 153 (134) x 100 x 52
	UF5034 : 230 (204) x 155 x 57
	UF5035 : 251 (205) x 170 x 70
	UF5036 : 330 (292) x 228 x 70
	UF5037 : 338 (357) x 307 x 94
	UF5038 : 338 (357) x 307 x 94
	UF5039 : 519 (474) x 424 x 133

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	UF5040 : 519 (474) x 424 x 133
	UF5041 : 624 (574) x 516 x 118
Material	Body : Sturdy die-cast aluminium housing with anodised steel bracket and extruded silicone rubber gasket for long life
	Reflector : Polish aluminium
	Diffuser : Tempered glass
Standard Compliance	
CE-LVD	EN60598-1, EN60598-2-2
CE-EMC	EN55015, EN61547, EN61000-3-2, EN61000-3-3
Mercury Content [mg]	0.0
Electrical Class	I
Other	
Dimmable [Y/N]	N
Operation Temperature [°C]	-10°C ~ 40°C
Storage Temperature [°C]	-20°C ~ 60°C