



LED Professional Floodlight FLS FLM FLL

Features

- Maximum 105W / 250W / 450W LED Floodlight Pro
- Maximum 140W / 420W / 730W LED Floodlight Plus
- Ultra-thin streamline housing design to minimize wind exposure surface
- Excellent thermal management by NTC overheat protection, available in Pro version
- Auto cut off mains by knife switch for safety maintenance, available in Pro version
- 3 dimming options: AstroDIM/ StepDIM/ MainsDIM
- 16 types of advance optical solutions in different applications
- Good color rendition, $Ra \geq 70 / 80$

Materials / Finish

- Body: Sturdy die cast aluminium housing with anodised steel bracket and extruded silicone rubber gasket
- Diffuser: Tempered glass
- Black color

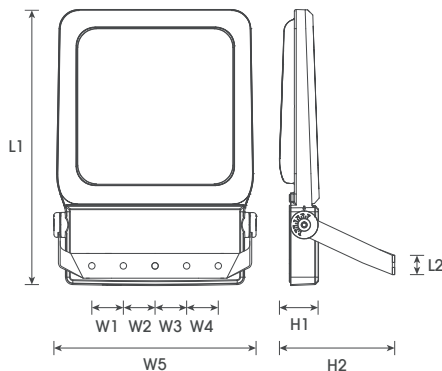
Installation / Mounting

- Suitable for mast mounting and wall mounting
- Field replaceable for LED driver

Standards

- Designed and manufactured to comply international standard EN60598
- Class I Electrical
- IK 08, IP 66

Dimming Options



(Unit : mm)	(L1)	(L2)	(W1)	(W2)	(W3)	(W4)	(W5)	(H1)	(H2)
FLS Pro	446	x 40	x -	x 51	x 51	x -	x 325	x 67	x 228
FLM Pro	622	x 50	x 64	x 51	x 51	x 64	x 453	x 74	x 293
FLL Pro	759	x 50	x -	x 80	x 80	x -	x 679	x 91	x 350
FLS Plus	446	x 40	x -	x 51	x 51	x -	x 325	x 67	x 228
FLM Plus	622	x 50	x 64	x 51	x 51	x 64	x 453	x 74	x 293
FLL Plus	759	x 50	x -	x 80	x 80	x -	x 679	x 91	x 350

Model Number Reference

FLSSE-105W-740-01-3

Fixture Type	Housing Size	Surge Protection	Driver	Wattage	CRI	CCT	Optics	Receptacle
FL = Floodlight	S = Small	S = 10kV	E = Non DIM	105W = 105W	7 = Ra 70	30 = 3000K	01 = 01	3 = 3 pins
	M = Medium	X = 3kV	A = AstroDIM	250W = 250W	8 = Ra 80	40 = 4000K	02 = 02	5 = 5 pins
	L = Large		S = StepDIM	450W = 450W		50 = 5000K	03 = 03	7 = 7 pins
			M = MainsDIM				04 = 04	X = No receptacle
			D = DALI				05 = 05	
							06 = 06	
							07 = 07	
							08 = 08	
							09 = 09	
							10 = 10	
							11 = 11	
							12 = 12	
							13 = 13	
							14 = 14	
							15 = 15	
							16 = 16	
								XX = No lens



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FLS





FLM



FLL

Specifications

	FLS Pro	FLM Pro	FLL Pro
System W	Max 105W	Max 250W	Max 450W
Voltage		100 - 277V~ / 220 - 240V~	
Lumen @3000K, ta=30°C Ra 80	11600lm	27500lm	49500lm
Lumen @4000K, ta=30°C Ra 80	12100lm	28800lm	51800lm
Lumen @5000K, ta=30°C Ra 80	12600lm	30000lm	54000lm
Energy Efficiency Class @ 830/840/850	E / E / D	E / E / D	E / E / D
CRI		70 / 80	
Optics		01-16 / Flood	
Dimming Option		Non DIM / AstroDIM / StepDim / Mains Dim / DALI	
Receptacle		3 pins / 5 pins / 7 pins / No receptacle	
Surge Protection		3kV / 10kV	
Thermal Protection		NTC	
Auto Cut Off Mains		Yes	
Temperature Range		-25°C ~ +45°C	
Service Life 100,000h, L80/B10	ta ≤31°C	ta ≤32°C	ta ≤30°C
Service Life 85,000h, L80/B10	ta ≤34°C	ta ≤35°C	ta ≤33°C
Service Life 50,000h, L80/B10	ta ≤44°C	ta ≤45°C	ta ≤43°C
Inclination		±160°	
HID Floodlight Equivalent	Up to 250W HID	Up to 400W HID	Up to 1000W HID
Weight	8.39kg	15.58kg	31.16kg
Windage Area	0.145m²	0.282m²	0.515m²
Standard		IEC 60598-1, IEC 60598-2-5	

	FLS Plus	FLM Plus	FLL Plus
System W	Max 140W	Max 420W	Max 730W
Voltage		100 - 277V~ / 220 - 240V~	
Lumen @3000K, ta=30°C Ra 80	16800lm	50400lm	87600lm
Lumen @4000K, ta=30°C Ra 80	17500lm	52500lm	91250lm
Lumen @5000K, ta=30°C Ra 80	18200lm	54600lm	94900lm
Energy Efficiency Class @ 830/840/850	D	D	D
CRI		70 / 80	
Optics		IESNA Type I, II, III, IV, V	
Dimming Option		Non DIM / 1-10V	
Receptacle		3 pins / 5 pins / 7 pins / No receptacle	
Surge Protection		3kV / 6kV	
Temperature Range		-25°C ~ +39°C	
Service Life 50,000h, L80/B10	ta ≤34°C	ta ≤39°C	ta ≤35°C
Inclination		±160°	
HID Floodlight Equivalent	Up to 250W HID	Up to 600W HID	Up to 1000W HID
Weight	8.33kg	16.94kg	32.36kg
Windage Area	0.145m²	0.282m²	0.515m²
Standard		IEC 60598-1, IEC 60598-2-5	

