

Product Specification



LED Flood Light PLC G4 High Mast



Product Features

- 5000K
- Asymmetric lens
- Precision Lighting Control using patented optical lens and reflector technology
- Minimal LIGHT Spill and Superior Uniformity
- Optional Split dimming (50% or 100%), 0-10V, DMX or Dali Dimming
- Surge Protector
- Aluminium housing
- Corrosion resistant polyester powder coat finish
- Driver options: Onboard or Remote
- IP66 Housing
- IK10 Impact Rating

Options:



Remote Driver Cable



Laser Sight



Specification Overview

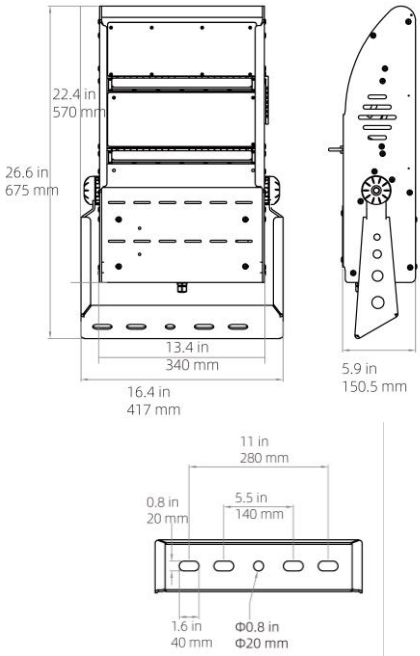


Model	Power	Dimensions	Colour Temp	Lumens	Beam Angle	Trim Colour	Weight
ST-PLC-420W-__V	420w	675 x 417 x 151mm	5000K	64,260lm	15°, 30°, 60°, 45x90°	Dark Grey	13.9kg
ST-PLC-630W-__V	630w	836 x 417 x 151mm	5000K	96,390lm	15°, 30°, 60°, 45x90°	Dark Grey	16.8kg
ST-PLC-840W-__V	840w	675 x 721 x 151mm	5000K	128,520lm	15°, 30°, 60°, 45x90°	Dark Grey	23.5kg
ST-PLC-1060W-__V	1060w	836 x 721 x 151mm	5000K	162,180lm	15°, 30°, 60°, 45x90°	Dark Grey	28.8kg
ST-PLC-1260W-__V	1260w	836 x 721 x 151mm	5000K	192,780lm	15°, 30°, 60°, 45x90°	Dark Grey	28.8kg
ST-PLC-1500W-__V	1500w	987 x 755 x 153mm	5000K	225,000lm	15°, 30°, 60°, 45x90°	Dark Grey	33.6kg
ST-PLC-1600W-__V	1600w	987 x 755 x 153mm	5000K	240,000lm	15°, 30°, 60°, 45x90°	Dark Grey	33.6kg

LED Flood Light
420w PLC G4 High Mast

Model	Trim Colour	Power	Lumens	CCT	Dimension	Weight
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ST-PLC-420W-____V	Black	420w	64,260lm	5000K	675 x 417 x 150.5mm	13.9kg (with driver) 11.3kg (without)
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Specification				Dimensions	
CCT	5000K	Earth Leakage	0.7mA		
Efficacy	>153lm/w	Surge Protection (L-N/L-E)	6KV/10KV		
CRI (%)	≥80	Dimmable	Optional (50%/100% Split, 0-10V, DMX or Dali)		
Beam Angle	Asymmetric 15°, 30°, 60° or 45x90°	Housing	Aluminium, Galvanised Steel Bracket and PC Optical Lens		
Power Input	100~277VAC (180~528V optional)	Housing Colour	Black		
Max. Line Current	2.09A	Lifespan	>60,000 hours		
Inrush Current	213A	Operation Temperature	-40°C~+60°C		
Inrush Duration (@50%)	840uS	Warranty	5 Years		

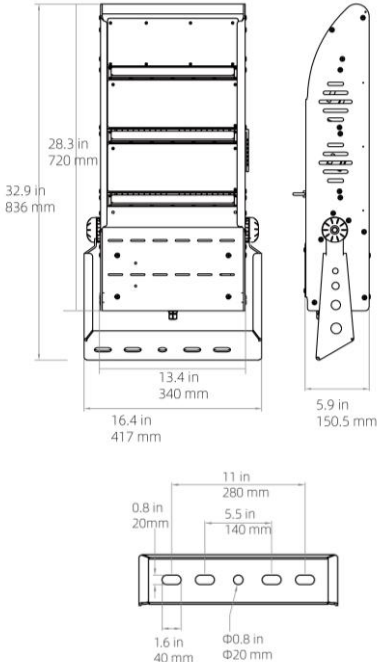
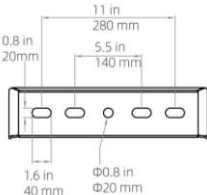
Specifications are subject to change without notice

LED Flood Light

630w PLC G4 High Mast

Model	Trim Colour	Power	Lumens	CCT	Dimension	Weight
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ST-PLC-630W-____V	Black	630w	96,390lm	5000K	836 x 417 x 105.5mm	16.8kg (with driver) 13.3kg (without)
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Specification				Dimensions	
CCT	5000K	Earth Leakage	0.7mA		
Efficacy	>153lm/w	Surge Protection (L-N/L-E)	6KV/10KV		
CRI (%)	≥80	Dimmable	Optional (50%/100% Split, 0-10V, DMX or Dali)		
Beam Angle	Asymmetric 15°, 30°, 60° or 45x90°	Housing	Aluminium, Galvanised Steel Bracket and PC Optical Lens		
Power Input	100~277VAC (180~528V optional)	Housing Colour	Black		
Max. Line Current	3.5A	Lifespan	>60,000 hours		
Inrush Current	28.6A	Operation Temperature	-40°C~+60°C		
Inrush Duration (@50%)	7.64mS	Warranty	5 Years		

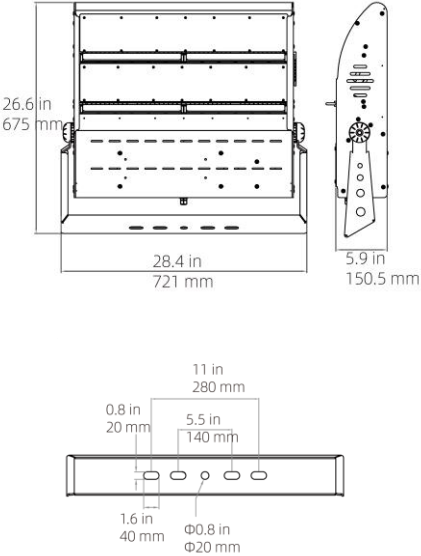
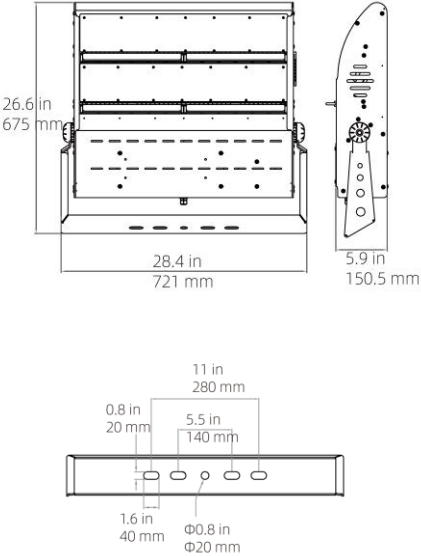
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LED Flood Light

840w PLC G4 High Mast

Model	Trim Colour	Power	Lumens	CCT	Dimension	Weight
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ST-PLC-840W-____V	Black	840w	128,520lm	5000K	675 x 721 x 105.5mm	23.5kg (with driver) 18.2kg (without)
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Specification				Dimensions	
CCT	5000K	Earth Leakage	1.4mA		
Efficacy	>153lm/w	Surge Protection (L-N/L-E)	6KV/10KV		
CRI (%)	≥80	Dimmable	Optional (50%/100% Split, 0-10V, DMX or Dali)		
Beam Angle	Asymmetric 15°, 30°, 60° or 45x90°	Housing	Aluminium, Galvanised Steel Bracket and PC Optical Lens		
Power Input	100~277VAC (180~528V optional)	Housing Colour	Black		
Max. Line Current	4.18A	Lifespan	>60,000 hours		
Inrush Current	426A	Operation Temperature	-40°C~+60°C		
Inrush Duration (@50%)	840uS	Warranty	5 Years		

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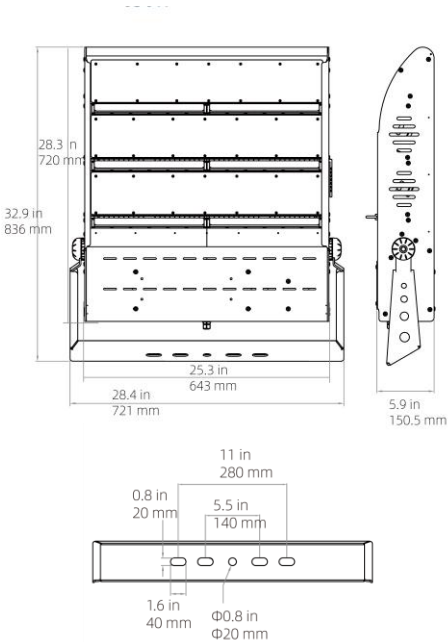
LED Flood Light

1060w/1260w PLC G4 High Mast

Switch to Excellence

Model	Trim Colour	Power	Lumens	CCT	Dimension	Weight
ST-PLC-1060W-__V	Black	1060w	162,180lm	5000K	836 x 721 x 105.5mm	28.8kg (with driver) 21.5kg (without)
ST-PLC-1260W-__V	Black	1260w	192,780lm	5000K	836 x 721 x 105.5mm	28.8kg (with driver) 21.5kg (without)

Specification				Dimensions	
CCT	5000K		Earth Leakage	1.4mA	
Efficacy	>153lm/w		Surge Protection (L-N/L-E)	6KV/10KV	
CRI (%)	≥80		Dimmable	Optional (50/50 Split, 0-10V, DMX or Dali)	
Beam Angle	Asymmetric 15°, 30°, 60° or 45x90°		Housing	Aluminium, Galvanised Steel Bracket and PC Optical Lens	
Power Input	100~277VAC (180~528V optional)		Housing Colour	Black	
Model	1060w	1260w			
Max. Line Current	4.18A	7A	Lifespan	>60,000 hours	
Inrush Current	426A	57.2	Operation Temperature	-40°C~+60°C	
Inrush Duration (@50%)	840uS	7.64mS	Warranty	5 Years	



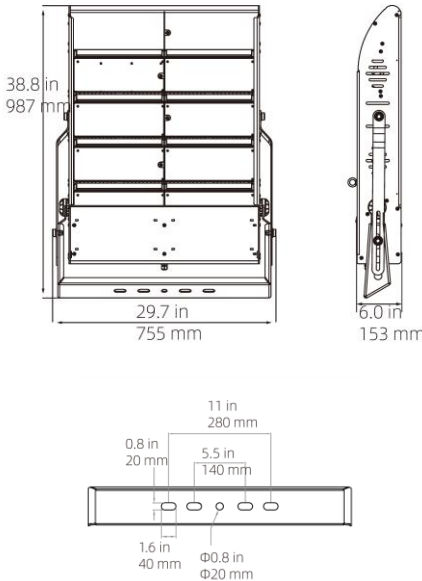
Specifications are subject to change without notice

LED Flood Light

1500w/1600w PLC G4 High Mast

Model	Trim Colour	Power	Lumens	CCT	Dimension	Weight
ST-PLC-1500W-__V	Black	1500w	225,000lm	5000K	987 x 755 x 153mm	33.6kg (with driver) 26.6kg (without)
ST-PLC-1600W-__V	Black	1600w	240,000lm	5000K	987 x 755 x 153mm	33.6kg (with driver) 26.6kg (without)

Specification				Dimensions	
CCT	5000K		Earth Leakage	1.4mA	
Efficacy	>150lm/w		Surge Protection (L-N/L-E)	6KV/10KV	
CRI (%)	≥80		Dimmable	Optional (50/50 Split, 0-10V, DMX or Dali)	
Beam Angle	Asymmetric 15°, 30°, 60° or 45x90°		Housing	Aluminium, Galvanised Steel Bracket and PC Optical Lens	
Power Input	100~277VAC (180~528V optional)		Housing Colour	Black	
Model	1500w	1600w			
Max. Line Current	7.58A	7.58A	Lifespan	>60,000 hours	
Inrush Current	80A	80A	Operation Temperature	-40°C~+60°C	
Inrush Duration (@50%)	6.6mS	6.6mS	Warranty	5 Years	



Technical drawings of the LED Flood Light showing front, side, and top views with dimensions in inches and millimeters.

Front View Dimensions:

- Height: 38.8 in (987 mm)
- Width: 29.7 in (755 mm)

Side View Dimensions:

- Depth: 6.0 in (153 mm)

Top View Dimensions:

- Overall Width: 11 in (280 mm)
- Mounting Hole Spacing: 5.5 in (140 mm)
- Mounting Hole Diameter: Φ0.8 in (Φ20 mm)
- Mounting Hole Spacing (Side): 0.8 in (20 mm)
- Mounting Hole Diameter (Side): 1.6 in (40 mm)