

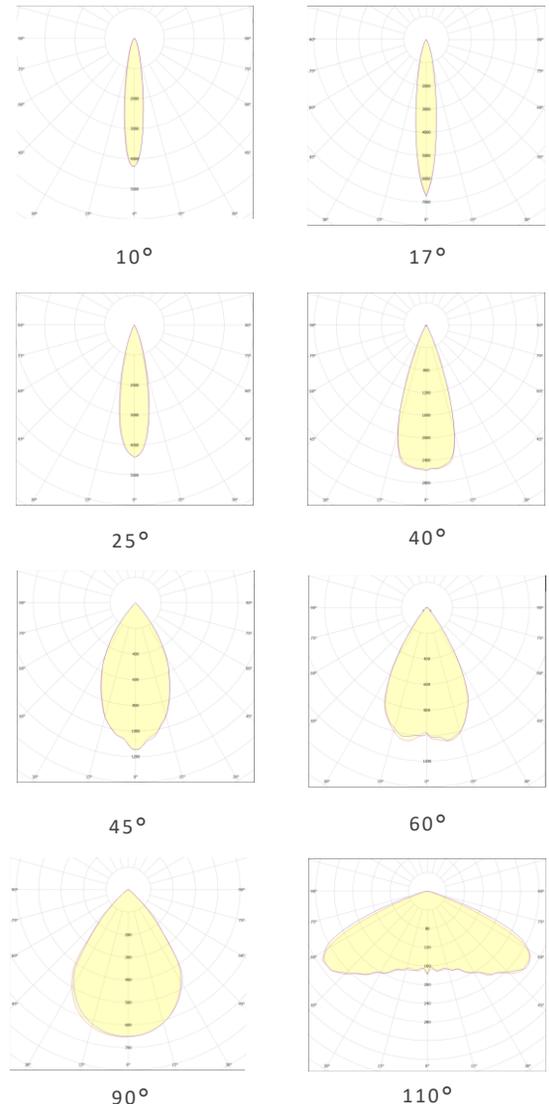
BETELGEUSE WHITE LED Projector



General Application Areas



Optical Beam Angles



General Information

BETELGEUSE WHITE LED floodlights are a highly efficient and versatile solution for modern lighting needs, offering significant energy savings and a long lifespan compared to traditional lighting. LED floodlights, known for their durability and low power consumption, can reduce energy costs and environmental impact, making them ideal for both commercial and residential applications. They also enhance architectural aesthetics by adding visual appeal with options for narrow-angle or wide-angle/area lighting that highlight structural details. From narrow-angle spotlights to wide-angle illuminations, LED floodlights offer customizable solutions for different environments and lighting requirements, with various light distribution options and lighting patterns available.

BETELGEUSE WHITE LED Projector

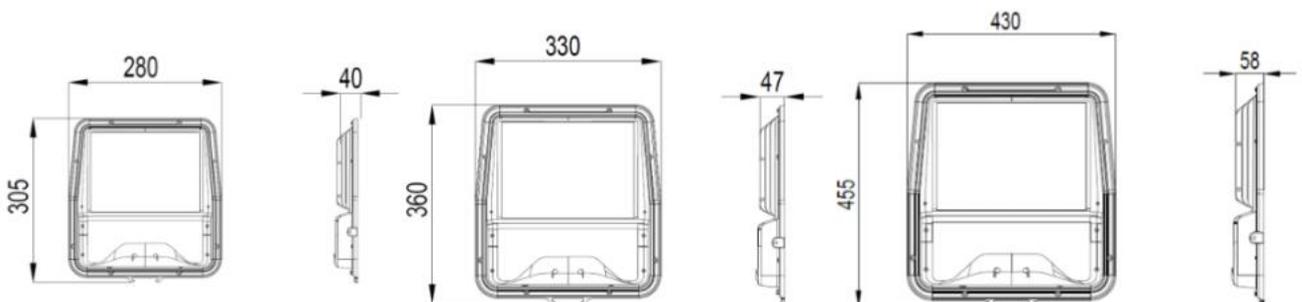
Technical Specifications

Power	:53W, 120W, 150W, 200W, 250W
Input Voltage	:200-240 V AC 50/60 HZ
Power Factor	:>0,95
Effectiveness Factor	:150lm/W (53W - 120W - 150W) 140lm/W (200W) 135lm/W (250W)
Luminous Flux	:7950lm, 18000lm, 22500lm, 28000lm, 33750lm
Light Angle	:10°, 17°, 25°, 40°, 45°, 60°, 90°, 120°
Color Temperature (CCT)	:3000K /4000K/5000K/ 6500K
Color Rendering Index (CRI)	:80+
IP Protection Class	:IP 66
Dimensions	: 53W : 305x280x40 mm, 120W – 150W : 360x330x47 mm 200W – 250W : 455x430x58 mm
Weight	: 53W / 3,5 kg, 120W – 150W / 4,5 kg, 200W - 250W /7,5 kg
Warranty Period	:3-5 Years

Optical and Electrical Properties

Body	Aluminum Injection	CE Marking	Yes
Color Options	RAL 9005	RoHS Compliance	Yes
Front Cover	Tempered Glass	Lifespan	≥50,000 Hours (L80)
Lens	PMMA	Throttling Options	1-10V, TRIAC, DALI
Light Source	LED	Operating Temperature	-25°/+35°C (55°C optional)
Impact Resistance	IK 08 (Tempered Glass) / IK 10 (Body)	Total Harmonic Distortion	<%15

Technical Drawing (Side View) and Wiring Diagram



BETELGEUSE WHITE LED Projector

Product Variations 53W

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions	Weight
BTW-053SM-00102-750-9005	53W	200-240 V AC 50/60 Hz	7950lm	10°	305x280x40 mm	3.5 kg
BTW-053SM-00172-750-9005	53W	200-240 V AC 50/60 Hz	7950lm	17°	305x280x40 mm	3.5 kg
BTW-053SM-00252-750-9005	53W	200-240 V AC 50/60 Hz	7950lm	25°	305x280x40 mm	3.5 kg
BTW-053SM-00402-750-9005	53W	200-240 V AC 50/60 Hz	7950lm	40°	305x280x40 mm	3.5 kg
BTW-053SM-00452-750-9005	53W	200-240 V AC 50/60 Hz	7950lm	45°	305x280x40 mm	3.5 kg
BTW-053SM-00602-750-9005	53W	200-240 V AC 50/60 Hz	7950lm	60°	305x280x40 mm	3.5 kg
BTW-053SM-00902-750-9005	53W	200-240 V AC 50/60 Hz	7950lm	90°	305x280x40 mm	3.5 kg
BTW-053SM-01202-750-9005	53W	200-240 V AC 50/60 Hz	7950lm	120°	305x280x40 mm	3.5 kg

Product Variations 120W

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions	Weight
BTW-120SM-00102-750-9005	120W	200-240 V AC 50/60 Hz	18000lm	10°	360x330x47 mm	4.5 kg
BTW-120SM-00172-750-9005	120W	200-240 V AC 50/60 Hz	18000lm	17°	360x330x47 mm	4.5 kg
BTW-120SM-00252-750-9005	120W	200-240 V AC 50/60 Hz	18000lm	25°	360x330x47 mm	4.5 kg
BTW-120SM-00402-750-9005	120W	200-240 V AC 50/60 Hz	18000lm	40°	360x330x47 mm	4.5 kg
BTW-120SM-00452-750-9005	120W	200-240 V AC 50/60 Hz	18000lm	45°	360x330x47 mm	4.5 kg
BTW-120SM-00602-750-9005	120W	200-240 V AC 50/60 Hz	18000lm	60°	360x330x47 mm	4.5 kg
BTW-120SM-00902-750-9005	120W	200-240 V AC 50/60 Hz	18000lm	90°	360x330x47 mm	4.5 kg
BTW-120SM-01202-750-9005	120W	200-240 V AC 50/60 Hz	18000lm	120°	360x330x47 mm	4.5 kg

Product Variations 150W

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions	Weight
BTW-150SM-00102-750-9005	150W	200-240 V AC 50/60 Hz	22500lm	10°	360x330x47 mm	4.5 kg
BTW-150SM-00172-750-9005	150W	200-240 V AC 50/60 Hz	22500lm	17°	360x330x47 mm	4.5 kg
BTW-150SM-00252-750-9005	150W	200-240 V AC 50/60 Hz	22500lm	25°	360x330x47 mm	4.5 kg
BTW-150SM-00402-750-9005	150W	200-240 V AC 50/60 Hz	22500lm	40°	360x330x47 mm	4.5 kg
BTW-150SM-00452-750-9005	150W	200-240 V AC 50/60 Hz	22500lm	45°	360x330x47 mm	4.5 kg
BTW-150SM-00602-750-9005	150W	200-240 V AC 50/60 Hz	22500lm	60°	360x330x47 mm	4.5 kg
BTW-150SM-00902-750-9005	150W	200-240 V AC 50/60 Hz	22500lm	90°	360x330x47 mm	4.5 kg
BTW-150SM-01202-750-9005	150W	200-240 V AC 50/60 Hz	22500lm	120°	360x330x47 mm	4.5 kg

Product Variations 200W

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions	Weight
BTW-200SM-00102-750-9005	200W	200-240 V AC 50/60 Hz	28000lm	10°	455x430x58 mm	7.5 kg
BTW-200SM-00172-750-9005	200W	200-240 V AC 50/60 Hz	28000lm	17°	455x430x58 mm	7.5 kg
BTW-200SM-00252-750-9005	200W	200-240 V AC 50/60 Hz	28000lm	25°	455x430x58 mm	7.5 kg
BTW-200SM-00402-750-9005	200W	200-240 V AC 50/60 Hz	28000lm	40°	455x430x58 mm	7.5 kg
BTW-200SM-00452-750-9005	200W	200-240 V AC 50/60 Hz	28000lm	45°	455x430x58 mm	7.5 kg
BTW-200SM-00602-750-9005	200W	200-240 V AC 50/60 Hz	28000lm	60°	455x430x58 mm	7.5 kg
BTW-200SM-00902-750-9005	200W	200-240 V AC 50/60 Hz	28000lm	90°	455x430x58 mm	7.5 kg
BTW-200SM-01202-750-9005	200W	200-240 V AC 50/60 Hz	28000lm	120°	455x430x58 mm	7.5 kg

Product Variations 250W

Product Code	Power	Input Voltage	Luminous Flux	Light Angle	Dimensions	Weight
BTW-250SM-00102-750-9005	250W	200-240 V AC 50/60 Hz	33750lm	10°	455x430x58 mm	7.5 kg
BTW-250SM-00172-750-9005	250W	200-240 V AC 50/60 Hz	33750lm	17°	455x430x58 mm	7.5 kg
BTW-250SM-00252-750-9005	250W	200-240 V AC 50/60 Hz	33750lm	25°	455x430x58 mm	7.5 kg
BTW-250SM-00402-750-9005	250W	200-240 V AC 50/60 Hz	33750lm	40°	455x430x58 mm	7.5 kg
BTW-250SM-00452-750-9005	250W	200-240 V AC 50/60 Hz	33750lm	45°	455x430x58 mm	7.5 kg
BTW-250SM-00602-750-9005	250W	200-240 V AC 50/60 Hz	33750lm	60°	455x430x58 mm	7.5 kg
BTW-250SM-00902-750-9005	250W	200-240 V AC 50/60 Hz	33750lm	90°	455x430x58 mm	7.5 kg
BTW-250SM-01202-750-9005	250W	200-240 V AC 50/60 Hz	33750lm	120°	455x430x58 mm	7.5 kg