



Strand Lighting

P R O D U C T D A T A

Beamlite 500

Narrow-angle low-voltage beamlight for medium-throw applications.

☒ 500W ☒ 100/240V ☐ 6.9° ⚖ 13kg (28.6lb)
 ✨ 3000 Lux (332FC) ⚡ 15m (45ft)
 📦 275 x 275mm (10.8" x 10.8") 📦 15.7kg (34.54lb)
 📦 0.102m (3.59cu ft) ✓ EN60 598 2-17

Cat. No. Description

13011	Beamlite 500W*, 100/120V bare leads
113013	Beamlite 500W, 230V with lamp and Schuko plug

N. American Fitted Connector Options

13016	GR (15A)
13017	GP (20A)
13018	GTL (20A)

*Lamp not supplied

Beamlite 1000

Narrow-angle low-voltage beamlight for long-throw applications.

☒ 1000W ☒ 100/240V ☐ 7° ⚖ 17kg (37.4lb)
 ✨ 2350 Lux (431FC) ⚡ 24m (60ft)
 📦 365 x 365mm (14.3" x 14.3") 📦 22.9kg (50.36lb)
 📦 0.139m (4.9cu ft) ✓ EN60 598 2-17

Cat. No. Description

13021	Beamlite 1000W*, 100/120V bare leads or connector as specified
13023	Beamlite 1000W, 230V with lamp and Schuko plug

N. American Fitted Connector Options

13026	GR (15A)
13027	GP (20A)
13028	GTL (20A)

*Lamp not supplied

Beamlite Accessories

Cat. No. Description

45001	Additional 500W 24V E40 base lamp
45002	Additional 1000W 24V K39d base lamp
18301	Additional colour frame, Beamlite 500W
18302	Additional colour frame, Beamlite 1000W
82019	Additional C-clamp
82001	Safety cable, heavy duty
82003	Safety cable, 18" (457mm) North America

*Lamp not supplied

1.3.1

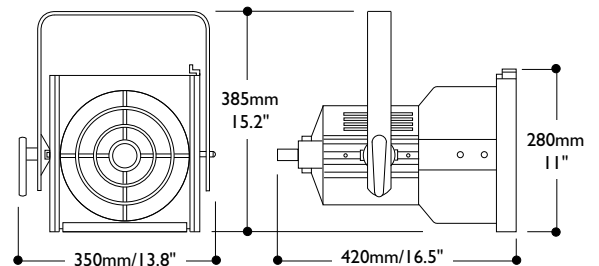
BEAMLIGHTS

BEAMLITE™

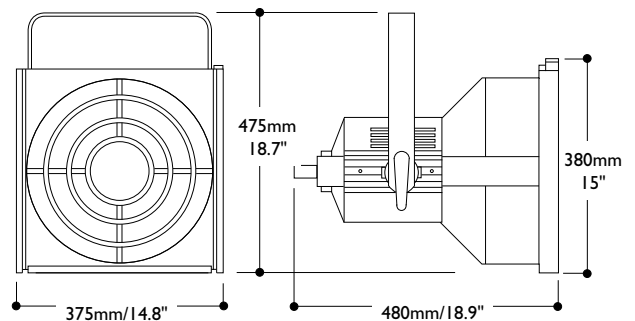
Low Voltage Beam Projectors

500W & 1000W 24V

Beamlite 500



Beamlite 1000



- High-intensity narrow angle beam
- Ideal for 'near parallel' lighting effect in larger venues, or as a soft-edged followspot
- Compact housing in black finish with integral toroidal transformer
- Integral spill rings
- Beam adjustment by means of convenient rear knob
- 100/120 or 230/240V voltage selector and automatic reset overload protection included for transformer
- Uses 24V crown- silvered lamp
- Supplied with card colour frame, mounting fork with M12 wingnut and bolt (yoke and C-clamp included with 100/120V version), and 1.5m (5.0') power cable
- Available as 100/120V version with bare leads or connector specified or 230V version (with lamp and Schuko plug)

A GUIDE TO SYMBOLS AND ABBREVIATIONS

GENERAL ☒ Supply voltage ☒ Current rating in amps ⚖ Weight of product 📦 Overall dimension of product 📦 Packed weight 📦 Packed volume ✓ Compliance with safety standards. ☒ Watts (maximum recommended) ☐ Beam angle ⚡ Throw (usual working distance from subject in metres or feet). ✨ Illuminance (maximum lux or footcandles at throw distance stated with lamp recommended). BS British Standard IP International Protection standard

Photometric Data

Typical performance based on 500W 24V E40 base lamp

**Peak Distribution
Beamlite 500**

Throw (metres)	10	15	20	25
Lux	6720	2987	1680	1075
Throw (feet)	30	45	60	75
FC	747	332	187	119

Beam Diameter for Projected Throw

Throw (metres)	10	15	20	25
Diameter (metres)	0.7	1.1	1.5	1.8
Throw (feet)	30	45	60	75
Diameter (feet)	2.2	3.3	4.4	5.5

1/2 Pk	Candelas	Cut-off
4.2°	672,000	6.9°

For performance divide Candela by Distance²
For beam diameter: Distance x 0.073

Typical performance based on 1000W 24V K39d base lamp

**Peak Distribution
Beamlite 1000**

Throw (metres)	10	20	30	40
Lux	15500	3875	1722	969
Throw (feet)	30	60	90	120
FC	1722	431	191	108

Beam Diameter for Projected Throw

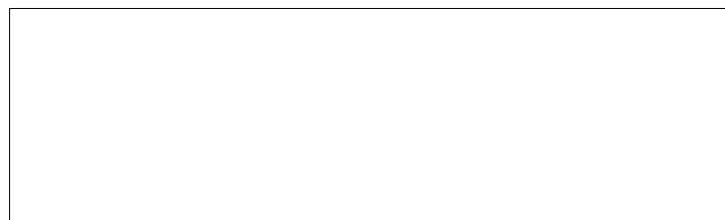
Throw (metres)	10	20	30	40
Diameter (metres)	0.8	1.6	2.5	3.3
Throw (feet)	30	60	90	120
Diameter	2.5	4.9	7.4	9.8

1/2 Pk	Candelas	Cut-off
4.7°	1,550,000	7.0°

For performance divide Candela by Distance²
For beam diameter: Distance x 0.082**Lamp Data**

Specify Strand lamps for replacement purposes to the following specifications

Volts	24V	24V
Watts	500W	1000W
Designation	E40	K39d
Base	Edison Screw	Lamp clamp, flying lead terminals
Lumens	12000	23000
Rated life-hours	50	70
Cat. No.	45001	45002

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Electrical Data

Supply Voltage	230/240 Volts 50/60 Hz or 100/120 volts 60 Hz Selectable at transformer tappings.	
Max Lamp Wattage	Beamlite 500: 500W Beamlite 1000: 1000W	
Lamp Type/Base	Crown-silvered Beamlite 500: Edison screw. Beamlite 1000: Flying leads with lamp clamp.	
Cable/Connection	1.5m (5.0') toughened silicone rubber sheathed cable.	
Transformer	Beamlite 500	Beamlite 1000
Secondary Current	500VA 21A	1000VA 42A
Secondary Voltage	+/- 2% at full load	+/- 2% at full load
Insulation (Both)	To IEC 65 Class 2, BS415 Class 2, Auto reset overload incorporated.	
Standards Compliance	Designed to conform to EN 60-598 2-17	

Environmental Data

Maximum Operating Ambient Temp	45°C (113°F)
Maximum Surface Temperature	290°C (554°F)
IP Rating	IP20
Tilt/Recommended angles of use	90° ± 0 - 90°
Distance from flammable surfaces	2.5m (98")

Mechanical Data

Paint/Finish	High temperature stoved epoxy powder coat in black.
Lamp House Construction	Both constructed from spun aluminium and extruded aluminium sections mounted on a rigid aluminium chassis. Forward section houses lamp, parabolic reflector, spill rings and colour runners. A grab handle is fitted to the rear of the housing.
Mounting and Suspension	Aluminium alloy fork (yoke) fitted with M12 bolt and wingnut (C-clamp in 100/120V version). Fork (LC-yoke) position can be adjusted laterally on rear housing for ideal balance.
Rear Handle	Heat insulated handle on rear of lamp housing.

Weights and Dimensions

	Beamlite 500	Beamlite 1000
Weight	13.0kg (28.6lb)	17.0kg (37.5lb)
Length	420mm (16.5")	480mm (18.9")
Width	350mm (13.8")	375mm (14.8")
Height	385mm (15.2")	475mm (18.7")
Packed Weight	15.7kg (34.54lb)	22.9kg (50.38lb)
Filter Cut Size	Beamlite 500: 245 x 245mm (10.8" x 10.8") Beamlite 1000: 365mm x 365mm (14.3" x 14.3")	
Optical System Reflector	Beamlite 500: 240mm (9.5") diameter parabolic, polished and anodised aluminium. Beamlite 1000: 330mm (13") diameter parabolic, polished and anodised aluminium.	

Operational Data

Lamp Access	Beamlite 500: Through centre of spill rings and screwed into lampholder. Beamlite 1000: Insert leads through spill rings and cylindrical clamp assembly, seating lamp in clamp and drawing flying leads through to termination area. Access to terminals is through rear sliding top cover. Flying leads are fitted to brass terminals by wingnuts and lamp is finally clamped into position by using a screwdriver.
Tilt	Adjustment by means of pivots on either side of fork (yoke), locked by T-handle on interlocking spring cup and disk mechanism.
Pan	Pivot around centre of stud of C-clamp by slackening locking bolt.

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