



Strand Lighting

PRODUCT DATA

Solo 2000W

Variable angle zoom profile followspot with 9° - 15° beam angle. Ideal for medium scale theatre and TV applications, particularly when remote control dimming is required. Requires 2000W CP79 lamp and plug.

W 2000W V 230/240V < 9° - 15° 30.5kg
 1625 Lux @ 20m X 245 x 245mm A
 37.6kg 0.355m³ EN60 598 2-17

Cat. No.	Description
16020	Solo 2K, exclusive lamp & plug

Solo CSI/CID

Variable angle 9° - 15° Followspot designed to optimise the output from 1kW compact source CSI or CID discharge lamps to give 2.5times more light than Solo 2000W. The 5500K colour temperature of the CID lamp will punch through tungsten general stage lighting while the 4000K of the CSI is closer to studio lighting colour temperature to TV work. The separate ballast unit has a three position switch for standby, half power of full power and is connected to the luminaire by a 2m cable. Requires either 1kW CSI or 1kW CID lamp.

Photometric Data

Typical performance based on 2000W CP79 240V lamp

Peak Distribution

Solo Tungsten (9° - 15°)

Throw (metres)	10	15	20	25	30	35
Narrow		2890	1625	1040	722	530
Wide	2850	1266	712			

Narrow: For performance at any distance divide 650000 by Distance²

Wide: For performance at any distance divide 285000 by Distance²

Typical performance based on 1000W CSI lamp

Solo CSI/CID (9° - 15°)

Throw (metres)	30	35	40	45	50
Narrow	1890	1390	1063	840	680
Wide	1133	832	637		

Narrow: For performance at any distance divide 1700000 by Distance²

Wide: For performance at any distance divide 1020000 by Distance²

Typical performance based on 1000W CID lamp

Throw (metres)	20	25	30	35	40	45
Narrow			1445	1060	812	645
Wide	1810	1158	800	600		

Narrow: For performance at any distance divide 1300000 by Distance²

Wide: For performance at any distance divide 724300 by Distance²

Peak Intensity, Half Peak and Cut off

	1/2 Pk	Candelas	Cut-off
Solo 2K 9°-15° (N)	8.0°	650000	9.0°
Solo 2K 9°-15° (W)	13.5°	285000	15.0°
Solo CSI 9°-15° (N)	6.5°	1700000	9.0°
Solo CSI 9°-15° (W)	10.25°	1020000	15.0°
Solo CID 9°-15° (N)	6.5°	1300000	9.0°
Solo CID 9°-15° (W)	10.25°	724300	15.0°

A GUIDE TO SYMBOLS AND ABBREVIATIONS

GENERAL W Supply voltage A Current rating in amps 3 Weight of product 4 Overall dimension of product 5 Packed weight 6 Packed volume 7 Compliance with safety standards. 8 Watts (maximum recommended) 9 Beam angle (Half-peak angles for Fresnels. Field angles for spotlights). 10 Throw (usual working distance from subject in metres). * Illuminance (maximum lux at throw distance stated with lamp recommended). X Colour filter frame size TH Tungsten Halogen. BS British Standard IP International protection standard

Solo CSI/CID Continued

W 1000W V 230/240V < 9° - 15° 42.0kg
 * 1890(CSI) 1445(CID) Lux @ 30m
 X 245 x 245mm A 51.2kg (Solo), 20.0kg (ballast) 0.355m³ (Solo), 0.031m³ (ballast)
 EN60 598 2-17

Cat. No.	Description
16030	Solo CSI/CID, exclusive lamp & plug

Solo Followspot Accessories

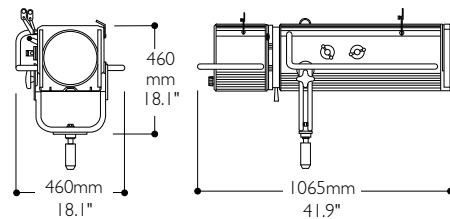
Cat. No.	Description
43794	2000W, 240V CP79
43793	2000W, 230V CP79
42000	1000W CSI discharge lamp
42010	1000W CID discharge lamp
18204	6-Colour Magazine
18206	Additional colour frame
81100	Folding Braced Stand

1.5.4

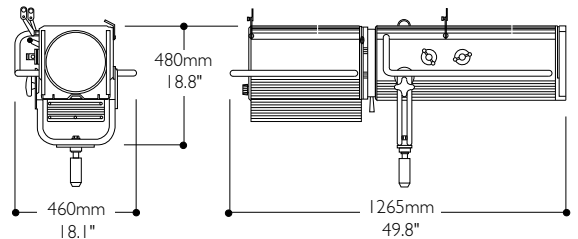
FOLLOWSPOTS

SOLO™ FOLLOWSPOT 2000W Tungsten & 1000W CSI/CID

Solo 2000W



Solo CSI/CID



- Powerful followspots with tungsten halogen or discharge sources
- For theatre and TV applications
- Variable beam angle 9° to 15° suits various throw distances
- Adjustable pivot point to ensure balance
- Large grip handle on either side and rear
- Access for lens cleaning
- 6-colour magazine accessory option
- Supplied in black finish with colour frame, 24-leaf black-out iris, horizontal strip shutters, aiming sights, power cable (2K version) to open ends, and 29mm spigot for stand mounting. Requires lamp and plug. CSI/CID version includes external ballast and 2m head to ballast cable

Lamp Data

Specify Strand lamps for replacement purposes to the following specifications

Volts	230V	240V	CSI	CID
Watts	2000W	2000W	1000W	1000W
Designation	CP79	CP79	CSI99-	CID99
Base	GY 16	GY 16	G22	G22
Lumens	54000	54000	90000	70000
Rated Life-Hours	350	350	500	500
Colour Temp	3200K	3200K	4000K	5500K
Catalogue No.	43793	43794	42000	42010

Electrical Data

Supply Voltage	230/240V 50/60Hz
Max Lamp Wattage	Tungsten: 2000W CSI/CID:1000W
Lamp Type/Base	See lamp data.
Cable/Connection	Solo TH: 3.0 metres of 3 x 1.5mm ² cable with in-line switch. Terminated at one end with CE22 angled connector to luminaire. Solo CSI/CID: 5 metres of 3 x 1.5mm ² to lamphouse and 2 metres from lamphouse to ballast.
Ballast and Circuitry	Solo CSI/CID: All HT circuitry is contained within the lamphouse, including on/off switch with automatic start, cartridge fuse and earth/ground continuity indicator. External control ballast has a connector to accept the 2m cable from the lamphouse. The ballast provides a three position switch for the selection of lamp power. Standby at 25%, half and full power. Electrical supply 220/250V 50/60Hz. In UK a 13A fused plug to BS1363 may be fitted.
Standards Compliance	Designed to conform to EN 60-598 2-17.

Environmental Data

Max Operating Ambient Temp	45°C (113°F).
Maximum Surface Temperature	Solo TH: 195°C (383°F). Solo CSI/CID: 145°C (293°F).
IP Rating	IP20
Tilt/Recommended angles of use	45° - 0 - 75°

Mechanical Data

Paint/Finish	High temperature stoved epoxy powder coat in black.
Lamp House Construction	Extruded aluminium sides with gravity diecast aluminium ends and bulkheads joined by machine thread screws. Ventilation is provided by light baffled top and bottom steel panels.
Gate Assembly	Built-in, side operated 24-leaf iris diaphragm with black-out disk. Pair of horizontal strip shutters mechanically linked for parallel movement from a single heat-resistant knob adjacent to iris handle. Strip shutter assembly rotatable through 50° around optical axis to compensate for off-centre projection.



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Mechanical Data Continued

Mounting and Suspension	Extra rigid, twin tubular steel fork with 90mm friction disk and handgrip knob for tilt clamp and with special 29mm diameter spigot incorporating friction bearing for swivel (not suitable for hanging). Tilt pivot axis position adjustable laterally for optimum balance. For suspension from overhead hook clamp use spigot catalogue number 82012.
Gobo Size	A
Handles	Tubular steel handles around both sides at the rear and along righthand side of the luminaire. Aiming sights are also fitted as standard.

Weights and Dimensions

Luminaire	Solo TH	Solo CSI/CID	Ballast CSI/CID
Weight	30.0kg (66.0lb)	42.0kg (92.4lb)	19.0kg (41.8lb)
Length	1065mm (41.92")	1265mm (49.8")	485mm (19.09")
Width	460mm (18.11")	460mm (18.11")	205mm (8.07")
Height	480mm (18.8")	480mm (18.8")	180mm (7.08")

Packed Dimensions

Weight	39.0kg (85.8lb)	51.2kg (112.64lb)	20.0kg (44.0lb)
Length	1210mm (47.6")	1375mm (54.13")	560mm (22.04")
Width	550mm (21.65")	550mm (21.65")	255mm (10.03")
Height	525mm (20.66")	460mm (18.11")	225mm (8.85")

Colour Magazine

Weight	3.0kg (6.6lb)
Length	190mm (7.48")
Width	385mm (15.15")
Height	310mm (12.2")

Packed Dimensions

Weight	4.0kg (8.8lb)
Length	200mm (7.87")
Width	450mm (17.71")
Height	355mm (13.97")

Filter Cut Size 245 x 245mm

Colour Runner 245mm² DIN standard metal colour frame (supplied) fits integral diecast runners with retention spring catch.

Optical System

Lenses	Variable spread combination of borosilicate glass lenses - 230mm diameter at front, 150mm diameter at rear - mounted in diecast aluminium mounts adjustable along diagonally opposed internal rods.
Reflector	180mm near ellipsoidal reflector of polished and anodised aluminium.

Operational Data

Lamp & Reflector Access	Solo TH: Drop-down base panel which is mechanically interlocked with the power input connector to prevent live access to lampholder. The lampholder is mounted on a separate pull down carrier for easy access. Solo CSI/CID: Top cover which is microswitch interlocked to prevent access to live lamp.
Lens Access	Sliding top access panels.
Focus Adjustment	Rotary locking control arrangement adjustable for optimum friction.
Field Adjustment	Peaky to flat field adjustment is by rotary knob on rear panel.
Lamp Alignment	Lamp is centred by means of a screwdriver adjustment at the base of the lamphouse.
Beam Shaping	See Gate Assembly.
Tilt	Adjustment by means of pivots on either side of fork, locking handles on interlocking spring cup and disk mechanism.
Pan	Pivot around M12 bolt through centre of fork. 29mm spigot provides an adjustment in Followspot stand.

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