



Strand Lighting

P R O D U C T D A T A

### Toccata EP

Effects projector housing that uses a 2500W tungsten halogen lamp. A complete 3 1/4" x 4" or 3 1/4" x 3 1/4" slide projector comprises of a Toccata EP, a slide carrier and a turntable and an objective lens. A complete moving effects projector comprises of a Toccata EP, the effects motor and disc housing, choice of objective lens, and choice of effects disk. The beam can be shaped by means of the adjustable mask accessory and may be redirected by use of the diverter mirror.

⚡ 2500W ⚡ 230/240V ⚖ 12.5kg (27.5lb)  
 📦 13.5kg (29.7lb) 📦 0.140m<sup>3</sup> (4.95cu ft)  
 ✓ EN60 598 2-17

#### Cat. No. Description

16900	Toccata EP 2500W 230/240V, excluding lamp and connector
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### Toccata EP Effects Attachments

A moving effects attachment comprises one motor and disk housing for use with a separate effects disk.

#### Cat. No. Description

16920	Optical Effects Drive VSFEX 90 (required for all effects disks)
16921	Fleecy clouds effect disk
16922	Storm clouds effect disk
16923	Thunder clouds effect disk
16924	Rain effect disk
16925	Snow effect disk
16926	Running water effect disk
16927	Smoke effect disk
16928	Flame effect disk
16929	Cumulus Cloud Effect Disk
16930	Nimbus Cloud Effect Disk
16931	Cirrus Cloud Effect Disk
16948	Metal Slide Carrier for 3 1/4" x 4" or 3 1/4" x 3 1/4" Slides

### Toccata EP Objective Lenses & Accessories

Objective lenses comprise lens and mounting assembly.

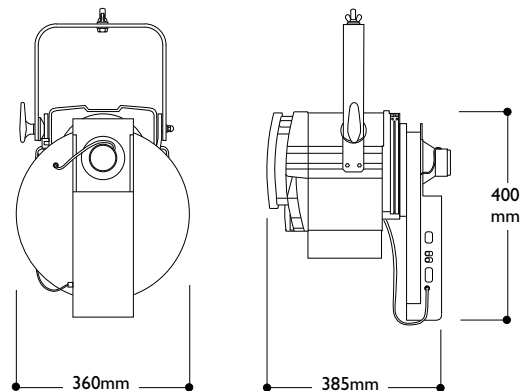
#### Cat. No. Description

43924	CP92 2000W, 240V lamp
43923	CP92 2000W, 230V lamp
43914	CP91 2500W, 240V lamp
43913	CP91 2500W, 230V lamp
16940	6.5cm Wide angle Objective lens, standard
16941	10cm Medium angle Objective lens, standard
16942	15cm Narrow angle Objective lens, standard
16946	Adjustable metal mask
16947	Beam diverter mirror
82011	Hook clamp, heavy duty
82001	Safety cable, heavy duty

# 1.5.2

E F F E C T S L I G H T I N G

## TOCCATA™ EP Effects Projector 2500/2000W



- Powerful 2500W high specification projector for slides or moving effects
- For projecting scenery or moving effects onto the acting area or backing
- 3-lens condenser optical system with glass heat absorbing filter
- Whisper quiet fan cooled
- Supplied in black, braced mounting fork with M12 wingnut and bolt, 1.5m of detachable cable to open ends. Requires lamp, plug, moving effects attachment and objective lens
- Can be used for 230/240V operation at 2500W or 2000W

### 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) 📏 Throw (usual working distance from subject in metres/feet). ✨ Illuminance (maximum lux/footcandles at throw distance stated with lamp recommended). EP Effects projector BS British Standard IP International protection standard

**Lamp Data**

Specify Strand lamps for replacement purposes to the following specifications.

<b>Volts</b>	230V	240V	230V	240V
<b>Watts</b>	2500W	2500W	2000W	2000W
<b>Designation</b>	CP91	CP91	CP92	CP92
<b>Base</b>	G22	G22	G22	G22
<b>Lumens</b>	67500	67500	52000	52000
<b>Rated Life-Hours</b>	400	400	400	400
<b>Colour Temp K</b>	3200	3200	3200	3200
<b>Catalogue No</b>	43913	43914	43923	43924

**Electrical Data**

<b>Supply Voltage</b>	230 or 240 volts 50/60 Hz.
<b>Max Lamp Wattage</b>	2500 (230/240V).
<b>Lamp Type/Base</b>	CP91 2500W or CP92 2000W/ G22 Bi-pin base.
<b>Cable/Connection</b>	1.5m (5.0ft) toughened silicone rubber sheathed cable.
<b>Conductors</b>	3 x 2.5mm <sup>2</sup> .
<b>Standards</b>	Designed to conform to EN 60-598 2-17.
<b>Compliance</b>	GS Approved

**Environmental Data**

<b>Max Operating Ambient Temp</b>	45°C (113°F).
<b>Maximum Surface Temp</b>	290°C (554°F).
<b>IP Rating</b>	IP20.
<b>Tilt/Recommended angles of use</b>	45° - 0 - 45°.

**Mechanical Data**

<b>Paint/Finish</b>	High temperature stoved epoxy powder coat in black and dark grey.
<b>Lamp House Construction</b>	Pressure die cast front and rear sections with extruded aluminum tie bar and formed sheet aluminum top and bottom covers.
<b>Fan</b>	Convection cooled with quiet axial fan assisting airflow.
<b>Mounting and Suspension</b>	Heavy duty aluminium fork fitted with M12 bolt and wing nut and extra holes for DIN 15560 mounting.
<b>Rear Handle</b>	Vertical, heat insulated handle on rear of lamp housing lamp housing.

**Weights and Dimensions**

<b>Weight</b>	12.5kg (27.5lb)
<b>Length</b>	385mm (15.71")
<b>Width</b>	360mm (14.17")
<b>Height</b>	400mm (15.74")
<b>Packed Weight</b>	13.5kg (29.7lb)
<b>Length</b>	640mm (25.19")
<b>Width</b>	480mm (18.89")
<b>Height</b>	460mm (18.11")

**Optical System**

<b>Lens Assembly</b>	Three-element, consisting of a 150mm Fresnel lens and two 150mm diameter plano-convex lenses. Assembly includes horizontal slats of heat-absorbing glass covering the whole 150mm. Access to all lens surfaces provided by separate lens mounts die-cast with the necessary spacers.
<b>Reflector</b>	100mmØ spherical reflector of electro polished and anodised aluminum.

**Operational Data**

<b>Lamp Access</b>	Operation of rear catch releases drop down lower covers to give access to reflector and slide down lampholder assembly.
<b>Lens Access</b>	Access through lower lamp housing cover.
<b>Beam Shaping</b>	By means of optional mask. Catalogue Number 16946.
<b>Tilt</b>	Adjustment by means of pivots on either side of yoke, locked by T-handle on interlocking spring cup and disk mechanism.
<b>Pan</b>	Pivot around M12 bolt through centre of fork, using DIN 15560 mounting or around stud through centre of yoke, locked off by locking bolt on clamp.

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