

# XR300 BEAM MOVING HEAD PROJECTOR

## ● TECHNICAL INFORMATION

The XR300 BEAM is a new compact moving head with an extremely high light power, projecting a parallel and very concentrated beam. With its new optical unit, the XR300 BEAM generates 125.000 Lux at 5 metres, using only a 300 W lamp, giving an exceptional balance between performance and power consumption.

The XR300 BEAM is designed for a wide range of professional applications, like concerts, shows, tours, television, theatre, and big events. XR300 BEAM ensures in fact great flexibility in use, because in a single projector it incorporates a range of functions normally available only on different units (long-throw projectors with high-power lamps, PAR 64 ACL, moving heads).

The XR300 BEAM features a breakthrough in moving-head technology, dubbed **Free Axis Rotation ("FAR")**. The FAR system allows limitless pan and tilt rotation: the XR300 BEAM head rotates freely on its axes, horizontally or vertically, without interruption, in either direction, never having to reverse motion.

The XR300 BEAM's ability to quickly and precisely select any point within its limitless sphere of movement means faster looks and scene changes.

The XR300 BEAM also offers unmatched creative control to the lighting designer. Unique geometrical designs, shapes, and scenes, unobtainable with conventional moving heads, are now possible for application in concerts, theatres, studios, etc.

The FAR system is guaranteed and has been thoroughly tested.

The XR300 BEAM offers:

- \* Exceptional light power (125.000 Lux at 5 metres);
- \* The capacity to project a highly condensed and intense beam of light even over great distances, thanks to the high efficiency of the new optical group;
- \* Variety of colours (CMY synthesis + 7-colour wheel + CTO);
- \* Customizable gobo wheel (7 rotating gobos);
- \* Insertable frost filter (soft edge);
- \* Unlimited Pan and Tilt movements (new FAR technology).

The XR300 BEAM is also the ideal light for a vast range of applications in which quiet operation is a priority, thanks to its silent ventilation system and silent pan/tilt operation.

Access to every feature of the internal menu is simple and direct, thanks to the new user interface featuring a LCD backlit graphic display (128 x 64).

Project	_____
Type	_____
Firm name	_____
Date	_____



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### Lamp

Osram Lock-it (300W / 24.000 Lumens)  
Automatic switching on of lamp in case of accidental switching off  
Lamp on/off via DMX; reset via DMX

### Optical group

125.000 Lux at 5 m (5° beam angle)  
Fresnel lens  
Dichroic glass reflector

### Dimmer / shutter / strobo

Linear dimmer  
Shutter  
Strobe from 0,85 flash/sec to 10 flash/sec

### Colours

CMY colour synthesis system + colour wheel (7 colours + CTO) with linear selection for perfect 2-colour beams  
Colour change with blackout sync; rainbow effect

### Gobos

1 customizable rotating gobo wheel (7 gobos); extractable gobo holders  
Gobo change with synchronized blackout  
Gobo scrolling; Gobo shake

### Frost

Linear frost filter (soft edge)

### Pan / Tilt

Unlimited Pan rotation; unlimited Tilt rotation; 16-bit resolution  
8 selectable speed ranges; extremely smooth and precise movements even at the highest speeds  
Pan / Tilt locking system with recessed buttons  
Automatic Pan/Tilt repositioning in case of knocks

### DMX / Network

24 DMX channels  
Internal operating system updatable via DMX  
Artnet ready

### Interface

LCD backlit graphic display (128x64)

### Connections

4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik; POWERCONN connector by Neutrik

### Power supply

Electronic ballast; 90-245 V (50/60 Hz); power consumption: 400 W  
Power saving mode (the lamp dims to 50% six seconds after shutter closure)

### Standard accessories

2 x "C" GQuick clamps with "fastlock" connection  
**Thermal** Operating ambient temperature: -10° / 40°  
**Dimensions (WxDxH)** 485x450x637 mm  
**Weight** 25 Kg

### Accessories:

#### Lamps

- Osram Lock-it 300W lamp
- Philips miniFastFit

#### Flight cases

- Double Professional Flight case; compartment for lamps and accessories, swivel wheels, cover with hinges with-stay, dishes on cover for piling, 8 handles (2 each side) (cod. 0521C032)

#### Rain covers

- Rain cover for XR base (top) (cod. 03.MA001)
- Rain cover for XR base (bottom) (cod. 03.MA002)

#### Embedding flanges

- Embedding flange for XR (visible display) (cod. 03.MA005)
- Embedding flange for XR (no visible display) (cod. 03.MA006)

#### Wireless DMX receivers retrofits

- Wireless DMX Receiver Card with 0508A033 - INDOOR IP20 2-dBi antenna included

#### Clamps / safety wires

- "C" Clamp G60 black (max. load 50Kg) (cod. 0521A004)
- "C" Clamp G60 chrome (max. load. 50Kg) (cod. 0521A004.20)
- "C" Clamp GQUICK with "Fast Lock" connection 1/4 turn (max. load. 80Kg) (cod. 0521A014)
- "C" Clamp G100 black / professional (max. load. 200Kg) (cod. 0521A015)
- Omega clamp with "Fast Lock" connection 1/4 turn 1 couple (2 pieces) (Cod. 02K00467)
- Safety wire (3mm x 60 cm), ring spring catch, max. capacity load 60Kg (cod. 0521A010)

### Approved lamps

Model	Watt	Base	K°	Lumens	Life(h)
Osram Lock-it	300	PGJX28	8.000	24.000	2.000
Philips miniFastFit	300	PGJX28	8.400	22.000	2.000



### The Lighting Company

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Preliminary information - D.T.S. reserves the right to make any functional or design modification to any of its products without any prior notice.