DTS
The Lighting Company

ISO 9001:2008
D.T.S. quality system
is certified to the
ISO 9001:2008 standard

PROUDLY MADE IN ITALY

D.T.S. products are designed
and manufactured at the D.T.S.
plants in Italy

610 mm

400 mm

398 mm

400 mm

550 mm

355 mm

EVO

Introducing EVO, a truly new concept in entertainment lighting.
Just check out the product's features to realize D.T.S. has once again broken new ground.
Forget any compromises found in other moving heads: EVO features a true Beam and a true Spot in a single unit.
So you get the best of both.
In "**Beam**" mode, EVO delivers a stunning 61,200 Lux at 25 metres, and more than 15,300 at 50 metres, as it's capable of projecting a super concentrated beam of light over very long distances. A wide variety of gobos for unique mid-air effects is available.
In "**Spot**" mode, EVO offers striking brightness (over 45,000 Lux at 25 metres) and an extra-wide linear Zoom (3.5° - 39°).
Thanks to its improved optics, EVO delivers razor-sharp gobo projections over the whole zoom range.
EVO features also include:
Cutting edge Color Synthesis featuring Linear CMY, Linear CTO, a 21-color palette going from soft nuances to rich saturated colors, and analogue two-tone generation.
The exclusive circular 8-facet or linear Dyna-Prism system **(D.T.S. patent pending.)**, capable of enhancing any gobo with spectacular animations and dynamic kaleidoscopic effects never seen before.
Super-fast effects: color change, gobo scrolling, dynamic prism animation, zoom movement, etc. are done at lightning speed, thanks to the built-in redundant stepper motors.
EVO is fitted with the 'FPR' system.
The 'FPR' system (D.T.S. patent) allows limitless pan rotation, in both directions, never having to invert movement, offering lighting designers unmatched creative control.
EVO addresses all top-level applications: from concerts to special events and television studios to theatres.
The ultra-luminous multi-function EVO is perfect for rental companies, who need compact feature-packed units that are easy to handle, install and store.

Lamp

Lamp
Osram Sirius HRI 440W (24,000 Lumens)
Colour temperature: 7,500°K typ.
Type of connection: PINS 2.8x 0.8mm or screw terminals
Remote lamp On-Off
Average lamp life: 1,500 hrs

Optical group

Improved optical group:
1,530,000 Lux at 5 m (Beam mode)
1,125,000 Lux at 5 m (Spot mode)
16-bit motorized wide-excursion linear zoom
Beam opening:
2° - 36° (Beam projection)
3.5° - 39° (Spot projection)
16-bit motorized linear focus
Linear dimmer / shutter / strobe (0.85 flash/sec to 10 flash/sec)
Effect:
Smooth 1 / 2
Frost
Beam Shape

Color generation

Linear CMY
Linear CTO
21-colour wheel
Two-tone generation

Dynamic effects

Overlapping wheels for multiple effects:
Customizable rotating gobo wheel (8 gobos)
Fixed gobo wheel (17 gobos + glass gobo + animation sector)
Circular 8-facet and linear rotating prisms
Dyna-Prism **(D.T.S. Patent Pending)**

Interface / Control / Programming

Li-Fe backup battery for controlling the main parameters even when EVO is not powered
LCD graphic display + 4 soft-keys (control / management of the main parameters)

Auto flip
RDM
ARTNET ready
Wireless ready
Updatable internal operating system

DMX

32 DMX channels

Pan & Tilt

'FPR' system (D.T.S. patent)
Pan: limitless rotation, in both directions; 360° rotation in 1.56 sec.; Tilt 270°: 1.5 sec.
Tri-phase stepper motor technology
for ultra-fast silent movements
16-bit resolution
Selectable speed ranges
Pan / Tilt lock

Power supply

Electronic ballast: 90-260 V 50 / 60 Hz
Power consumption: 600 W with PFC
Power saving mode (the lamp dims to 80% after shutter closure)

Connectors

DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
Power supply: POWERCON In and Out (re-launch) connectors by Neutrik

Weight

23 Kg

Internal safety devices

Overvoltage circuit protection
and overtemperature circuit protection

International certifications

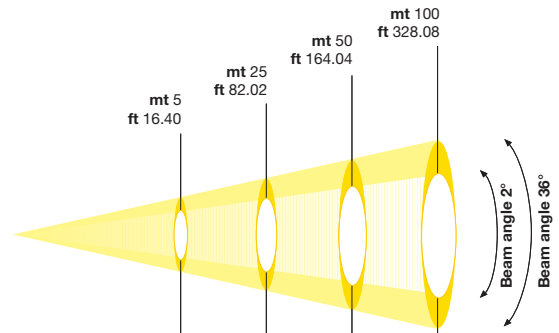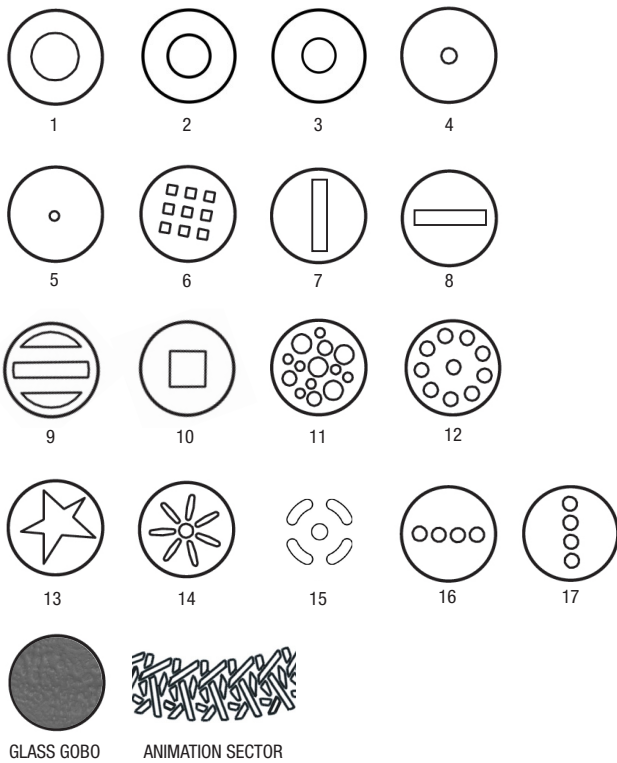Safety: EN 60598-1: 1993
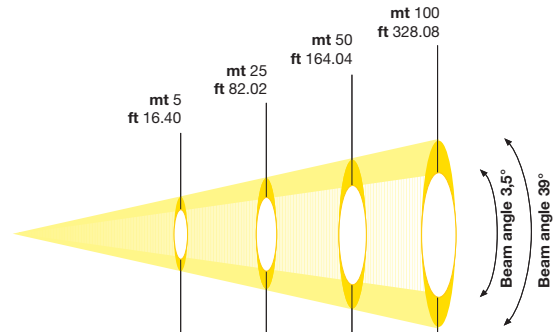EN 60598-2-17: 1989
A1-A3: 1993
EMC: EN 55015

Rotating Gobo Wheel

1. 0516G097 **2.** 0516G098 **3.** 0516G099 **4.** 0516G100

5. 0516G101 **6.** 0516G103 **7.** 0516G102 **8.** 0516G106

Fixed Gobo Wheel

1   2   3   4

5   6   7   8

9   10   11   12

13   14   15   16   17

GLASS GOBO   ANIMATION SECTOR

mt 5 ft 16.40   mt 25 ft 82.02   mt 50 ft 164.04   mt 100 ft 328.08

'BEAM' projection

Lux center	1530000	61200	15300	3825	
Foot candles	142193	5688	1422	355	**Beam angle 2°**
Diameter cm.	17	87	175	349	
Diameter ft.	0.57	2.86	5.73	11.45	

Lux center	5904	236	59	15	
Foot candles	549	22	5	1	**Beam angle 36°**
Diameter cm.	325	1625	3249	6498	
Diameter ft.	10.66	53.30	106.60	213.20	

mt 5 ft 16.40   mt 25 ft 82.02   mt 50 ft 164.04   mt 100 ft 328.08

'SPOT' projection

Lux center	1125000	45000	11250	2813	
Foot candles	104554	4182	1046	261	**Beam angle 3,5°**
Diameter cm.	31	153	306	611	
Diameter ft.	1.00	5.01	10.02	20.05	

Lux center	5300	212	53	13	
Foot candles	493	20	5	1	**Beam angle 39°**
Diameter cm.	354	1771	3541	7082	
Diameter ft.	11.62	58.09	116.18	232.36	

DMX channels

1 PAN msb	19 GOBO ROTATION / INDEX
2 PAN lsb	20 GOBO INDEX FINE
3 TILT msb	21 GOBO SHAKE
4 TILT lsb	22 FIXED GOBO
5 SPEED MOVEMENT	23 FIXED GOBO SHAKE
6 FPR	24 PRISM MODE
7 DIMMER	25 EFFECTS
8 SHUTTER	26 PRISM INSERTION
9 COLOUR	27 PRISM ROTATION / INDEX
10 COLOUR MODE	28 PRISM DEPTH
11 CYAN	29 FOCUS
12 MAGENTA	30 FOCUS FINE
13 YELLOW	31 ZOOM
14 CTO	32 RESET+LAMP
15 SPEED CMY	
16 MACRO CMY	
17 GOBO	
18 GOBO MODE	

Color Wheel

ORANGE 0507C063.D14	LIGHT PINK 0507C058.D14	LIGHT RED 0507C062.D14	PURPLE 0507C082.D14	FULL CTO FILTER 0507C061.D14	PINK 0507C071.D14	YELLOW 2 0507C066.D14
LIGHT BLUE 0507C075.D14	LIGHT GREEN 0507C073.D14	MAGENTA 0507C074.D14	BLUE 0507C070.D14	FULL CTB FILTER 0507C060.D14	AMBER 0507C064.D14	DARK GREEN 0507C067.D14
HALF CTB FILTER 0507C085.D14	LIME 0507C081.D14	DEEP BLUE 0507C077.D14	AMETHYST 0507C078.D14	RED 0507C059.D14	YELLOW 1 0507C065.D14	GREEN 0507C068.D14

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