



The Lighting Company

JACK

ISO 9001:2008

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



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



Overview

JACK is a high-power, compact, lightweight moving head. JACK features a wide excursion motorized zoom allowing any application from long-throw projections to large wall washing. Beam opening is: 1° - 2,5° 'Beam' projection; 2,5° - 37° 'Spot' projection; 38° - 46° 'Wash' projection. JACK generates a huge luminosity and extremely uniform projection using only a 189 W lamp; power consumption is just 230 W. JACK is fitted with the 'FPR' system. The 'FPR' (D.T.S. patent) allows limitless pan rotation, in either direction, never having to reverse motion. JACK is the perfect moving head for rental companies - who want a quick and easy to install unit - thanks to its compactness and light weight (only 11,9 Kg). JACK is suitable for any professional applications.

Lamp

MSD Platinum 5R (7.950 Lumens)
Colour temperature: 8.000°K
Type of connection: PINS 2,8x 0,8mm

Optical group

- * 50.000 Lux at 5 m (2,5°)
- * Improved optical group made with 11 coated lenses combined with a dichroic glass reflector
- * 16-bit motorized linear zoom (2,5° - 46°)
- * Beam opening:
 - 1° - 2,5° 'Beam projection'
 - 2,5° - 37° 'Spot projection'
 - 38° - 46° 'Wash projection'
- * 16-bit motorized focus
- * 16-bit motorized iris
- * 16-bit linear dimmer / shutter / strobe (0,85 flash/sec to 10 flash/sec)

Colour generation

- * 18-colour wheel with linear selection for perfect 2-colour beams

Dynamic effects

- Overlapping wheels for multiple effects:
 - * Customizable rotating gobo wheel (9 gobos)
 - * Customizable fixed gobo wheel (10 gobos)
 - * 4-facet rotating prism

Interface / Control / Programming

- * LCD graphic display (control / management / monitoring of the main parameters)
- * 4 soft-keys (control / management / monitoring of the main parameters)
- * Controlled via DMX 512 standard digital communication protocol
- * RDM
- * Wireless ready
- * Internal operating system updatable via D.T.S. RED BOX interface and hyperterminal program on windows based PC

DMX

25 DMX channels

Pan & Tilt

'FPR' system (D.T.S. patent)
Pan: limitless rotation, in both directions; 360° rotation in 1.01 sec.; Tilt 270°: 1.5 sec.

Tri-phase stepper motor technology for ultra-fast silent movements
16-bit resolution
Selectable speed ranges

Power supply

- * Electronic ballast; 90-260 V 50/60 Hz
- * Power consumption: 230 W with PFC

Energy saving

- * 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: POWERCONN connectors (Power In / Power Out) by Neutrik

Operating ambient temperature

-10° / 40°

Weight

11,9 Kg

Internal safety devices

- * Overvoltage circuit protection and overtemperature circuit protection

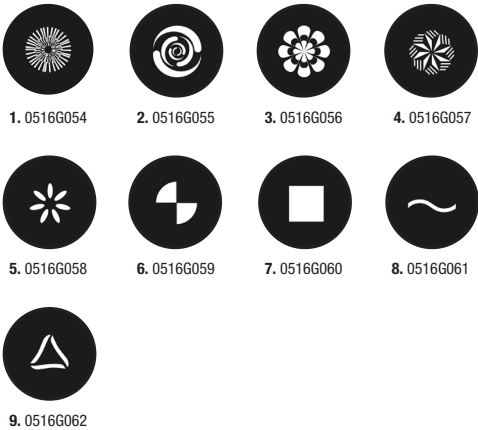
International certifications

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

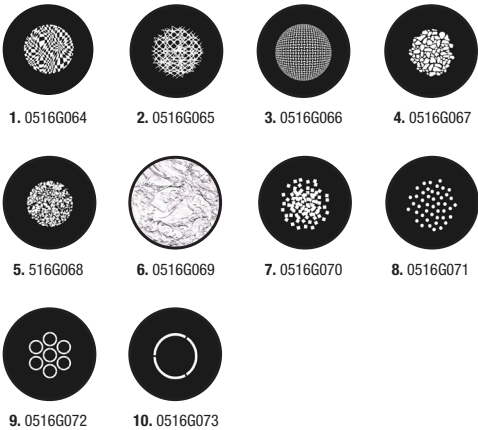
Included items

- 1 x POWERCON male cable connector (cod. 0520P014)
- 1 x XLR 5 Pins male cable connector (cod. 0508B028)
- 1 x XLR 5 Pins female cable connector (cod. 0508B027)
- 1 x "C" Clamp G QUICK (cod. 0521A014)

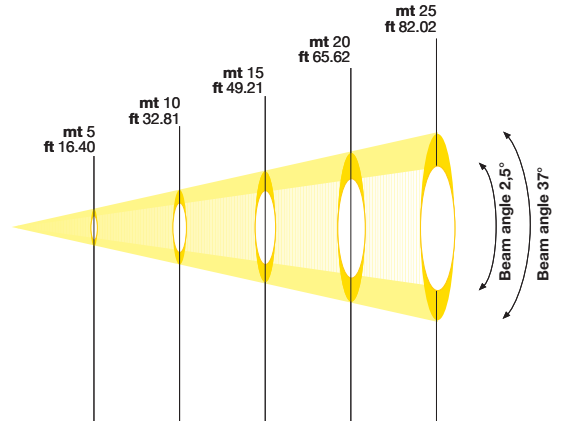
Gobo Wheel 1



Gobo Wheel 2



Colour Wheel



Lux center	50000	12500	5556	3125	2000	Beam angle 2,5°
Foot candles	4647	1162	516	290	186	
Diameter cm.	22	44	52	65	87	
Diameter ft.	0.72	1.43	1.72	2.15	2.86	
Lux center	600	150	67	38	24	Beam angle 37°
Foot candles	56	14	6	3	2	
Diameter cm.	335	669	1004	1338	1673	
Diameter ft.	10.98	21.95	32.93	43.91	54.89	

DMX channels

- 1 PAN msb
- 2 PAN lsb
- 3 TILT msb
- 4 TILT lsb
- 5 SPEED MOVEMENT
- 6 PAN FAR
- 7 DIMMER
- 8 SHUTTER
- 9 COLOUR
- 10 COLOUR MODE
- 11 GOBO
- 12 GOBO MODE
- 13 GOBO ROTATION/INDEX
- 14 GOBO INDEX FINE
- 15 GOBO SHAKE
- 16 FIXED GOBO
- 17 FIXED GOBO SHAKE
- 18 IRIS
- 19 MACROS
- 20 MACROS MODE
- 21 PRISM
- 22 FOCUS
- 23 FOCUS FINE
- 24 ZOOM
- 25 RESET+LAMP