



The Lighting Company

MAX

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

MAX L is a brand new model in the D.T.S. high-power compact moving heads line. MAX L features the same innovative technology of MAX, and addresses a range of top level applications: from concerts to special events; from television studios to theatres. MAX L light output is comparable to the most powerful fixtures. MAX L features a special optical group with wide excursion motorized zoom that for the first time allows 4 different types of projection in a single moving head: 'Beam', 'Spot', 'Wash', and 'Studio'. No need to stock a whole range of lights: MAX L does it all. In fact, MAX L wide excursion motorized zoom allows any application from long-throw projections to large wall washing. Beam opening is: 1.7° 'Beam' projection; 1.7° - 37° 'Spot' projection; 10° - 60° 'Wash' projection. But MAX L introduces also the 'Studio' projection (3° - 40°), selectable via DMX; thanks to it, MAX L projects a beam so uniform and evenly diffused as never before. Also, MAX L is very compact and light weight, the perfect moving head for rental companies who want a quick and easy to install unit.

The functions of MAX L can be upgraded by means of an optional Easy-plug-in-module featuring linear CMY and linear CTO (fully compatible with linear CMY and linear CTO of MAX).

Lamp

MSD PLATINUM 16R 330W (16.000 Lumens)
Colour temperature: 8,000°K typ.
Type of connection: PINS 2.8x 0.8mm
Remote lamp On-Off
Average lamp life: 1,500 hrs

Optical group

Improved optical group made with 11 coated lenses + dichroic glass reflector
100,000 Lux at 5 m
16-bit motorized wide-excursion linear zoom
Beam opening:
1.7° (Beam projection)
1.7° - 37° (Spot projection)
10° - 60° (Wash projection)
3° - 40° (Studio projection)
16-bit motorized linear focus
Linear dimmer / shutter / strobe
(0.85 flash/sec to 10 flash/sec)
Frost filter

Colour generation

Colour wheel (17 colours + white) 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 + 4 soft-keys (control / management of the main parameters)
RDM
ARTNET available on request
Wireless ready
Updatable internal operating system

DMX

24 DMX channels

Pan & Tilt

Pan 540°: 2.5 sec.; Tilt 270°: 1.5 sec.
16-bit resolution
Selectable speed ranges
Pan / Tilt lock
Tri-phase stepper motor technology
for ultra-fast silent movements

Power supply

Electronic ballast: 90-260 V 50 / 60 Hz
Power consumption: 450 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

19 Kg

Internal safety devices

Overvoltage circuit protection
and overtemperature circuit protection

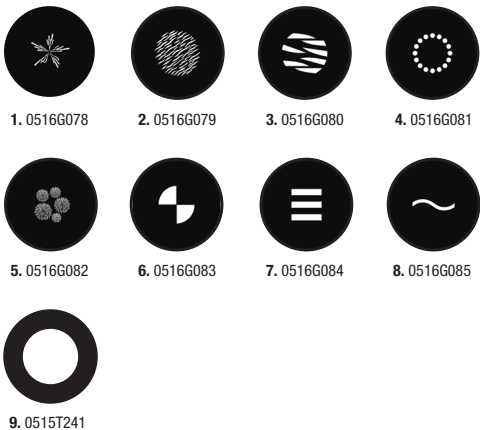
International certifications

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

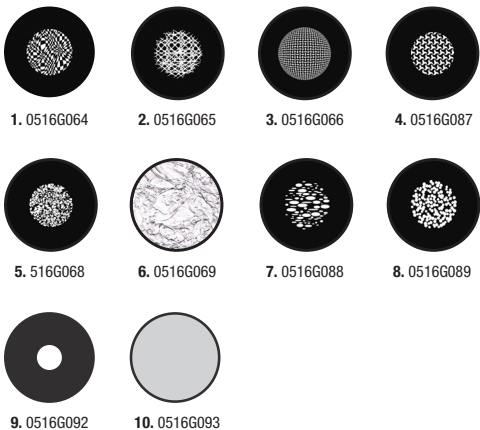
Included items

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)
2 x Omega bracket (cod. 02K00549)

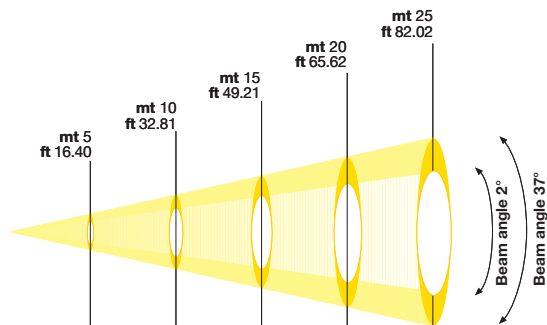
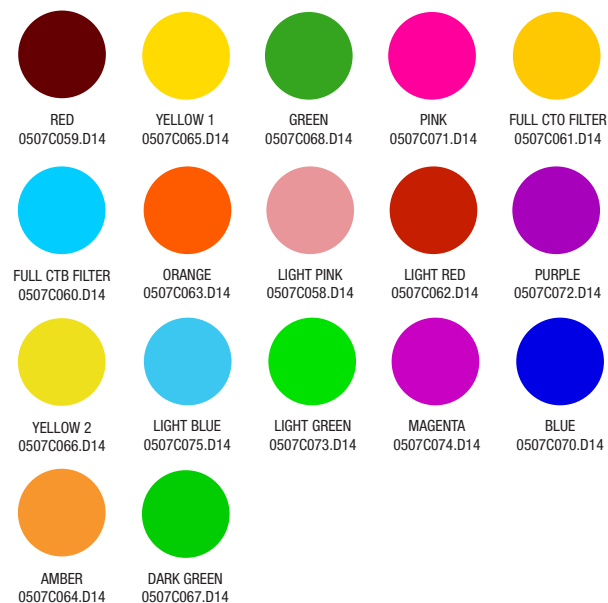
Gobo Wheel 1



Gobo Wheel 2



Colour Wheel



'SPOT' projection

Lux center	100000	25000	11111	6250	4000	Beam angle 2°
Foot candles	9294	2323	1033	581	372	
Diameter cm.	18	37	55	73	92	Beam angle 37°
Diameter ft.	0.60	1.20	1.80	2.41	3.01	

Lux center	1030	258	114	64	41	Beam angle 37°
Foot candles	96	24	11	6	4	
Diameter cm.	335	669	1004	1338	1673	Beam angle 37°
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 FROST
- 19 PRSIM
- 20 PRISM ROTATION
- 21 FOCUS
- 22 FOCUS FINE
- 23 ZOOM
- 24 RESET+LAMP