

MOVING HEAD PROJECTORS Issue 5



The Lighting Company



The Lighting Company

Moving Head Projectors

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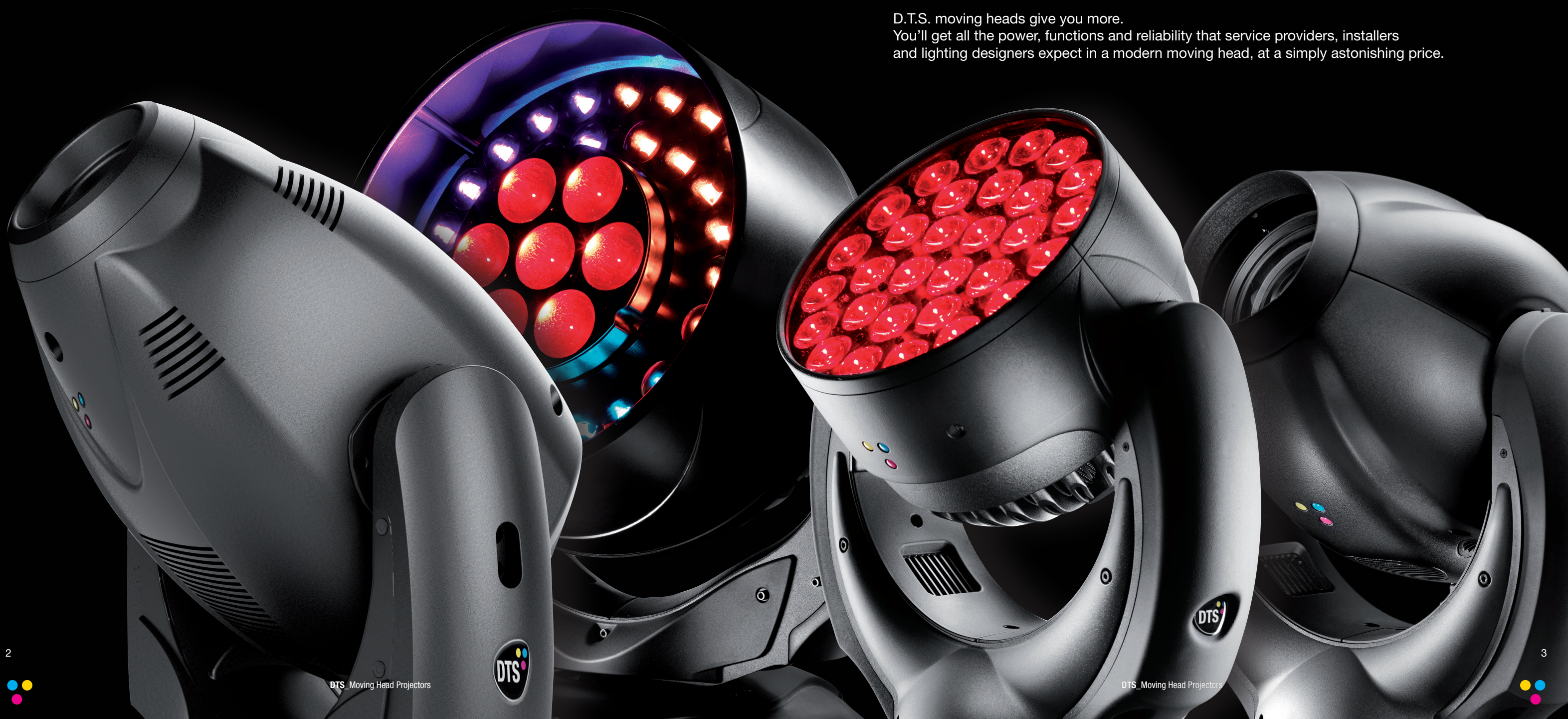
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D.T.S. MOVING HEAD PROJECTORS

The most complete range of moving heads ever produced by D.T.S.

- * Five lines of projectors ideal for a variety of professional applications;
- * State-of-the-art electronic and mechanical solutions tested on thousands of units;
- * Rental-grade mechanical design and reliability;
- * Seamless integration of any model in the same rig.

D.T.S. moving heads give you more.
You'll get all the power, functions and reliability that service providers, installers and lighting designers expect in a modern moving head, at a simply astonishing price.





D.T.S. Moving Heads were used on:

RED HOT CHILI PEPPERS DURAN DURAN JETHRO TULL
 THE PRODIGY ROBBIE WILLIAMS
 PUFF DADDY EXTREME
 GUSTAVO LIMA OASIS GREEN DAY
 JENNIOFER LOPEZ EVANESCENCE CLAUDIA LEITTE
 BEYONCÉ EROS RAMAZZOTTI FAITH NO MORE
 MARIAH CAREY BLACK EYED PEAS
 METALLICA LAURA PAUSINI GUNS'N ROSES
 FAT BOY SLIM GRACE JONES ROD STEWART
 PAUL MCCARTNEY JORGE & MATEUS

Massive luminosity regularly diffused at any point of the light beam

Rapid fast-lock closure/release screws (1/4 of a turn)



Electronic ballast; reliable operation; no flickering; correct voltage in any part of the world



Overlapping wheels for multiple effects: customizable rotating gobo wheel (9 gobos), customizable fixed gobo wheel (10 gobos), animation wheel, 4-facet rotating prism

The long-life Li-Fe backup battery allows you to control the main parameters even when MAX is not powered.

Long excursion motorized zoom allowing any application from long-throw projections to large wall washing

New Tri-phase stepper motor technology for ultra-fast and silent Pan & Tilt movements



'FPR' system - D.T.S. patent (available on MAX FPR version): limitless pan rotation, in either direction, never having to reverse motion

Pan lock; Tilt Lock



Ergonomic double handles: easy transport, installation and rigging

DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out); re-launch power-Out connector



Overview

MAX is the brand new top of the range of D.T.S. high-power compact moving heads line. MAX is the most complete moving head on the market, addressing any top level application: from concerts to special events; from television studios to theatres. MAX 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 does it all. MAX' wide excursion motorized zoom allows any application from long-throw projections to large wall washing. Beam opening is: 1.5° - 2° 'Beam' projection; 2° - 37° 'Spot' projection; 10° - 60° 'Wash' projection. But MAX introduces also the 'Studio' function (selectable via DMX); thanks to it, MAX projects a beam so uniform and evenly diffused as never before. Add CMY synthesis, linear CTO, animation wheel, and light output comparable to the most powerful fixtures. MAX is available in 2 versions: with or without the 'FPR' system. The 'FPR' (D.T.S. patent) allows limitless pan rotation, in either direction, never having to reverse motion. Also, MAX is very compact and light weight, the perfect moving head for rental companies - who want a quick and easy to install unit.

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:

1.5° - 2° (Beam projection)
2° - 37° (Spot projection)
10° - 60° (Wash projection)
4° - 40° (Studio projection)
16-bit motorized linear focus
Motorized Iris
Linear dimmer / shutter / strobe
(0.85 flash/sec to 10 flash/sec)
Frost filter

Colour generation

Linear CMY
Linear CTO
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)
Animation Wheel
4-facet rotating prism

Interface / Control / Programming

Li-Fe backup battery for controlling the main parameters even when MAX is not powered
LCD graphic display + 4 soft-keys (control / management of the main parameters)
RDM
ARTNET available on request
Wireless ready
Updatable internal operating system

DMX

33 DMX channels

Pan & Tilt

MAX: Pan 540°: 2.5 sec.; Tilt 270°: 1.5 sec.
MAX FPR version:
'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: 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

20 Kg

Internal safety devices

Overvoltage circuit protection
and overtemperature circuit protection

International certifications

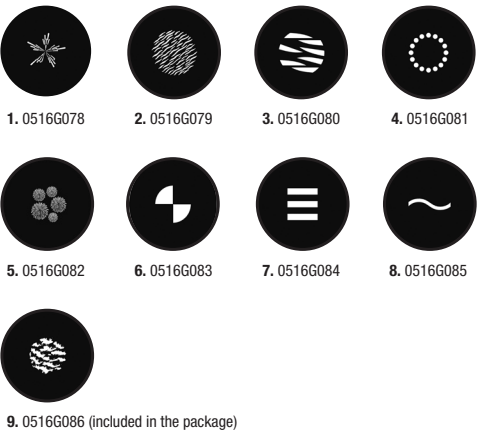
Safety: EN 60598-1: 1993
EN 60598-2-17: 1989
A1-A3: 1993
EMC: EN 55015

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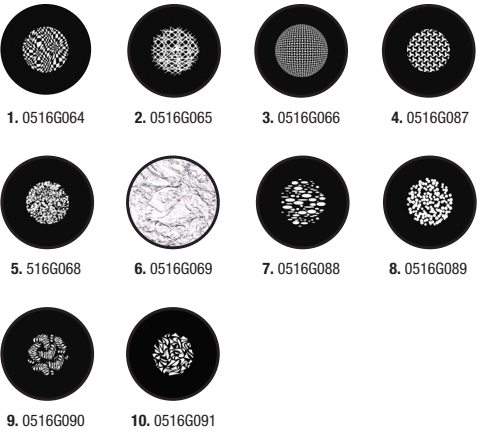
1 x POWERCON male cable connector (cod. 0520P014)
1 x XLR 5 Pins male cable connector (cod. 0508B028)
1 x XLR 5 Pins female cable connector (cod. 0508B027)
2 x Omega bracket (cod. 02K00549)

HIGH-POWER COMPACT MOVING HEADS

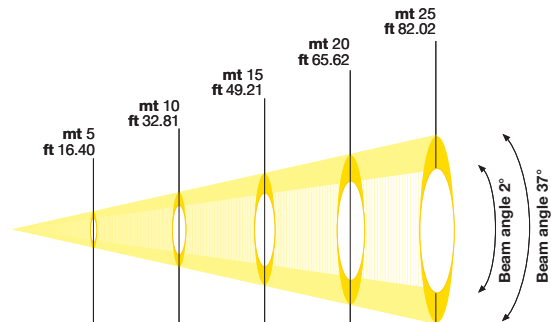
Gobo Wheel 1



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	
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	
Diameter ft.	10.98	21.95	32.93	43.91	54.89	

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 PAN FAR | 24 IRIS |
| 7 DIMMER | 25 IRIS MACROS |
| 8 SHUTTER | 26 ANIMATION |
| 9 COLOUR | 27 FROST |
| 10 COLOUR MODE | 28 PRISM |
| 11 CYAN | 29 PRISM/ANIMATION ROTATION |
| 12 MAGENTA | 30 FOCUS |
| 13 YELLOW | 31 FOCUS FINE |
| 14 CTO | 32 ZOOM |
| 15 SPEED CMY | 33 RESET+LAMP |
| 16 MACRO CMY | |
| 17 GOBO | |
| 18 GOBO MODE | |





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

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

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

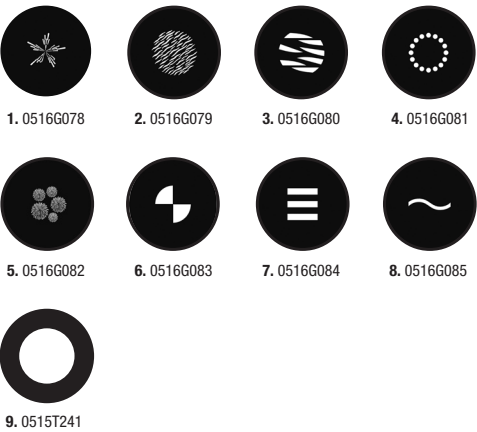
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EMC: EN 55015

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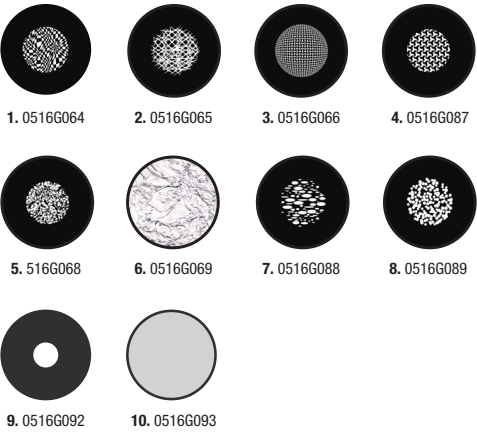
1 x POWERCON male cable connector (cod. 0520P014)
1 x XLR 5 Pins male cable connector (cod. 0508B028)
1 x XLR 5 Pins female cable connector (cod. 0508B027)
2 x Omega bracket (cod. 02K00549)

HIGH-POWER COMPACT MOVING HEADS

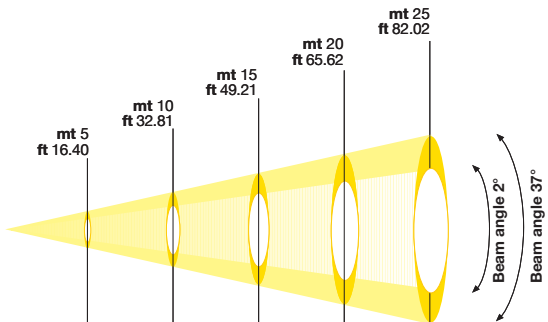
Gobo Wheel 1



Gobo Wheel 2



Colour Wheel



'SPOT' projection					
Lux center	100000	25000	11111	6250	4000
Foot candles	9294	2323	1033	581	372
Diameter cm.	18	37	55	73	92
Diameter ft.	0.60	1.20	1.80	2.41	3.01
					Beam angle 2°
Lux center	1030	258	114	64	41
Foot candles	96	24	11	6	4
Diameter cm.	335	669	1004	1338	1673
Diameter ft.	10.98	21.95	32.93	43.91	54.89
					Beam angle 37°

DMX channels

1	PAN msb	19	PRISM
2	PAN lsb	20	PRISM ROTATION
3	TILT msb	21	FOCUS
4	TILT lsb	22	FOCUS FINE
5	SPEED MOVEMENT	23	ZOOM
6	PAN FAR	24	RESET+LAMP
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		





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 available in 2 versions: with or without 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

JACK: Pan 540°: 2.5 sec.; Tilt 270°: 1.5 sec.
JACK FPR version:
'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

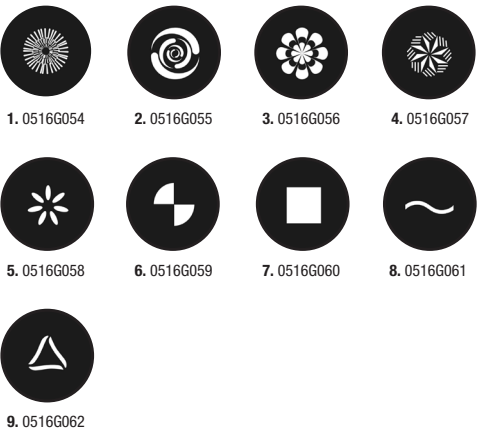
Safety: EN 60598-1: 1993
EN 60598-2-17: 1989
A1-A3: 1993
EMC: EN 55015

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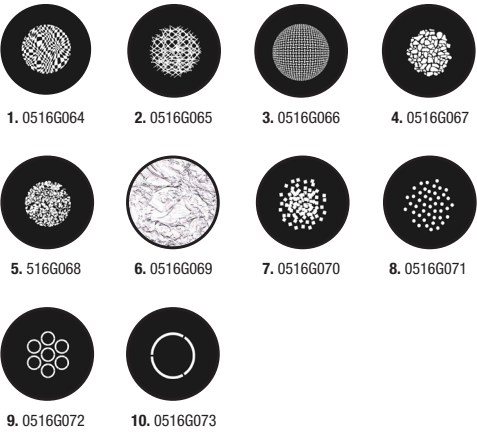
- 1 x POWERCON male cable connector (cod. 0520P014)
- 1 x XLR 5 Pins male cable connector (cod. 0508B028)
- 1 x XLR 5 Pins female cable connector (cod. 0508B027)
- 1 x "C" Clamp G QUICK (cod. 0521A014)

HIGH-POWER COMPACT MOVING HEADS

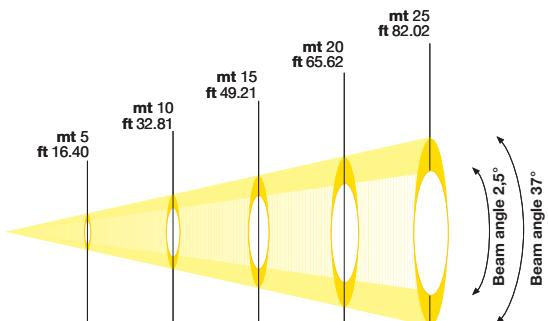
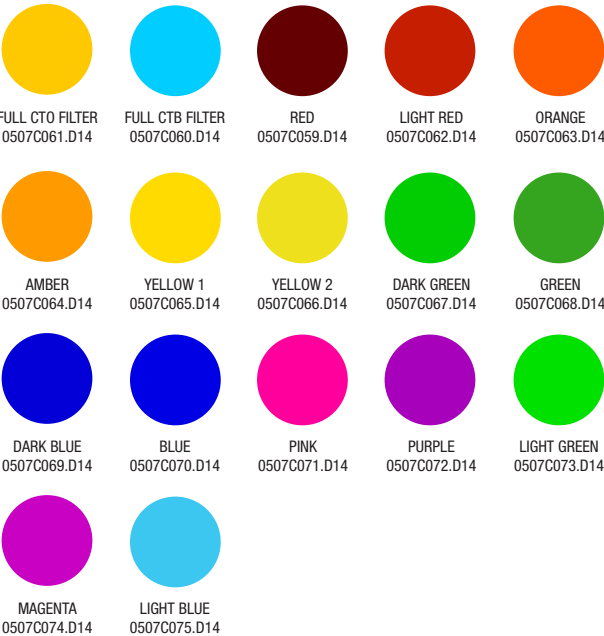
Gobo Wheel 1



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



XR3000 SPOT CMY



The Lighting Company

Extremely high output
(85.000 Lux / 5 m)

Sophisticated colour generation:
CMY + color wheel; linear selection
for perfect 2-colour beams

Easy maintenance:
No special tools are needed
for the main dismantling operations

Low-noise operation:
optimized airflow inside the head;
user-selectable fan speed

Improved optical group made
with 11 coated lenses delivering
razor-sharp gobo projections

Double handles: easy transport,
installation and rigging



Multiple connectors
by Neutrik

Electronic ballast: reliable operation
even in the presence of significant
power surges; optimal light yield even
in the case of voltage drops;
no flickering; correct voltage in any
part of the world

Multiple dynamic effects, including
overlapping customizable gobo
wheel-1 + gobo wheel-2 + animation
wheel + prism

Extra-wide, multi-function
128x64 LCD graphic display;
control / management / monitoring
of the main parameters

'FPR' (available on XR3000 SPOT CMY FPR version):
limitless pan rotation, in either direction, never having
to reverse motion

Rental-grade mechanical design
with shock resistant construction
and double-thick mounting plate

MOVING HEAD PROJECTORS



XR3000 SPOT CMY



Overview

The XR3000 SPOT CMY is a high-output moving head projector fitted with a 1200W discharge lamp, delivering a massive 85.000 Lux / 5 m. The XR3000 SPOT CMY provides a powerful combination of razor-sharp gobo projections, sophisticated colour generation, and versatile dynamic effects. The XR3000 SPOT CMY is suitable for top level professional applications, including concerts, shows, tours, special events and clubs. The XR3000 SPOT CMY is available in 2 versions: with or without the 'FPR' system. The 'FPR' (D.T.S. patent) allows limitless pan rotation, in either direction, never having to reverse motion.

Lamp

Philips MSR Gold 1200/2 Fastfit lamp (95.000 Lumens)
base type PGJX50

Optical group

- * 85.000 Lux at 5 m (10°)
- * Improved optical group made with 11 coated lenses combined with a dichroic glass reflector
- * 16-bit motorized focus
- * 16-bit motorized iris
- * 16-bit motorized linear zoom (10°- 35°)

Colour generation

- * sophisticated CMY colour synthesis system with 3 palettes for linear insertion
- * colour wheel (7 colours + open) with linear selection for perfect 2-colour beams

Dynamic effects

- 3 overlapping wheels for multiple effects:
- * customizable rotating gobo wheel (7 gobos)

- * customizable fixed gobo wheel (8 gobos)
- * animation wheel rotating in both directions
- * 3-facet rotating prism
- * frost filter (soft edge)

Interface / Control / Programming

- * Extra-wide, multi-function graphic LCD display (128 x 64)
- * 4 soft-keys (control / management / monitoring of the main parameters)
- * Controlled via DMX 512 standard digital communication protocol
- * Wireless ready
- * ARTNET available on request
- * Internal operating system updatable via D.T.S. RED BOX interface and hyperterminal program on windows based PC

DMX

30 DMX channels

Pan & Tilt

XR3000 SPOT CMY:

Pan 540°: 3.9 sec.; Tilt 270°: 2.6 sec.

XR3000 SPOT CMY FPR version:

'FPR' system (D.T.S. patent)

Pan: limitless rotation, in both directions; 360° rotation in 2.33 sec.; Tilt 270°: 2.6 sec.

- * 4 Selectable speed ranges
- * Pan/Tilt locking system with recessed buttons
- * Automatic Pan/Tilt repositioning in case of knocks

Power supply

- * Electronic ballast; 90-260 V 50/60 Hz
- * Power consumption: 1320 W

Energy saving

- * Power saving mode (the lamp dims to 50% six seconds after shutter closure)

Connectors

- * DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
- * Power supply: POWERCONN connector by Neutrik

Operating ambient temperature

-10° / 40°

Weight

45,5 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

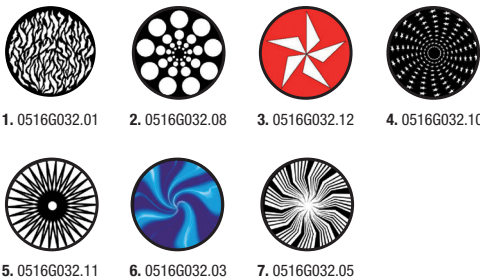
EMC: EN 55015

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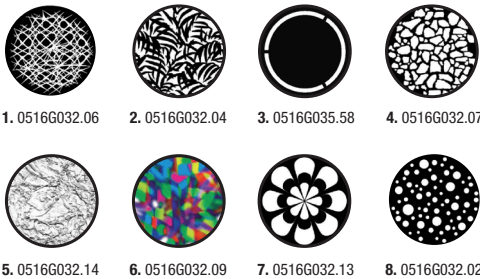
- 1 x POWERCON male cable connector (cod. 0520P014)
- 1 x XLR 5 Pins male cable connector (cod. 0508B028)
- 1 x XLR 5 Pins female cable connector (cod. 0508B027)
- 2 x "C" Clamp G100 black (cod. 0521A015)
- 2 x Omega bracket with "Fast Lock" connection (cod. 02K00467)

SPOT MOVING HEADS

Gobo Wheel 1



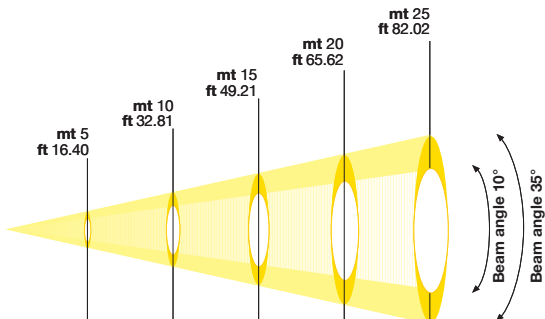
Gobo Wheel 2



Colour Wheel



XR3000 SPOT CMY



Lux center	85000	21250	9444	5313	3400	Beam angle 10°
Foot candles	7900	1975	878	494	316	
Diameter cm.	87	175	262	350	437	
Diameter ft.	2.87	5.74	8.61	11.48	14.35	Beam angle 35°
Lux center	8400	2100	933	525	336	
Foot candles	781	195	87	49	31	
Diameter cm.	315	631	946	1261	1576	
Diameter ft.	10.34	20.69	31.03	41.38	51.72	

DMX channels

- | | |
|------------------|------------------------|
| 1 PAN msb 540° | 16 GOBO MODE |
| 2 PAN lsb | 17 GOBO ROTATION/INDEX |
| 3 TILT msb 270° | 18 GOBO INDEX FINE |
| 4 TILT lsb | 19 GOBO SHAKE |
| 5 SPEED MOVEMENT | 20 FIXED GOBO |
| 6 DIMMER | 21 FIXED GOBO ROTATION |
| 7 SHUTTER | 22 ANIMATION |
| 8 COLOUR | 23 ANIMATION ROTATION |
| 9 COLOUR MODE | 24 IRIS |
| 10 CYAN | 25 IRIS MACRO |
| 11 MAGENTA | 26 EFFECT |
| 12 YELLOW | 27 EFFECTS ROTATION |
| 13 SPEED CMY | 28 FOCUS |
| 14 MACRO CMY | 29 ZOOM |
| 15 GOBO | 30 RESET/LAMP |



XR8 SPOT



Overview

The XR8 SPOT is a moving head projector fitted with a 575W discharge lamp, delivering a massive 10.100 Lux / 5 m. The XR8 SPOT provides a useful combination of custom gobo projections and striking dynamic effects. The XR8 SPOT is suitable for top level professional applications, including concerts, shows, tours, special events and clubs.

Lamp

Philips MSR 575/2 lamp (49.000 Lumens) base type GX9,5

Optical group

- * 10.100 Lux at 5 m (11°)
- * Optical group made with 3 coated lenses combined with a dichroic glass reflector
- * 16-bit motorized focus
- * 3 selectable zoom angles (11° / 15° / 18°)
- * linear dimmer / shutter / strobe (0,85 flash/sec to 10 flash/sec)

Colour generation

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

Dynamic effects

- * customizable rotating gobo wheel (7 gobos)
- * 3-facet rotating prism
- * frost filter

Interface / Control / Programming

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

DMX

20 DMX channels

Pan & Tilt

- * 16-bit movement resolution
- * Pan 540° (3,9 sec.); Tilt 270° (2,6 sec.)
- * 4 Selectable speed ranges
- * Pan/Tilt locking system with recessed buttons
- * Automatic Pan/Tilt repositioning in case of knocks

Power supply

- * Electronic ballast; 90-260 V 50/60 Hz
- * Electro-magnetic ballast; 230 V 50/60 Hz
- * Power consumption: 750 W

Connectors

- * DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
- * Power supply: POWERCONN connector by Neutrik

Operating ambient temperature

-10° / 40°

Weight

27 Kg (electronic ballast); 31 Kg (electro-magnetic ballast)

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 "C" Clamp G QUICK (cod. 0521A014)

SPOT MOVING HEADS

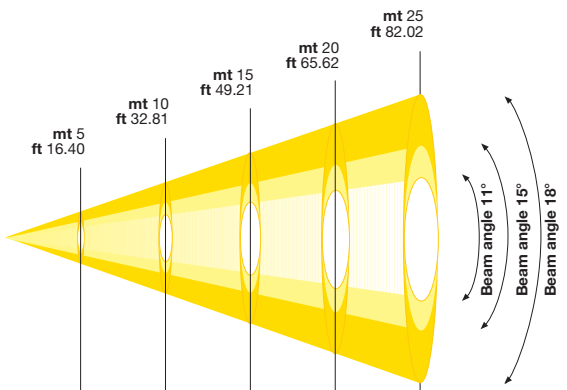
Gobo Wheel 1



Colour Wheel



XR8 SPOT



Lux center	10100	2525	1122	631	404	Beam angle 11°
Foot candles	939	235	104	59	38	
Diameter cm.	96	193	289	385	481	
Diameter ft.	3.16	6.32	9.48	12.64	15.80	
Lux center	8500	2125	944	531	340	Beam angle 15°
Foot candles	790	197	88	49	32	
Diameter cm.	132	263	395	527	658	
Diameter ft.	4.32	8.64	12.96	17.28	21.60	
Lux center	7400	1850	822	463	296	Beam angle 18°
Foot candles	688	172	76	43	28	
Diameter cm.	158	317	475	634	792	
Diameter ft.	5.20	10.39	15.59	20.79	25.98	

DMX channels

- | | |
|----------------------|-------------------------------------|
| 1 PAN msb 540° | 11 GOBO MODE |
| 2 PAN lsb | 12 GOBO ROTATION-INDEX |
| 3 TILT msb 270° | 13 GOBO ROTATION-INDEX FINE |
| 4 TILT lsb | 14 GOBO SHAKE |
| 5 P/T SPEED MOVEMENT | 15 PRISM |
| 6 DIMMER | 16 PRISM ROTATION |
| 7 SHUTTER | 17 FOCUS |
| 8 COLOUR | 18 ZOOM |
| 9 COLOUR MODE | 19 FROST (Priority on Zoom channel) |
| 10 GOBO | 20 LAMP ON-OFF / RESET |



XR4 SPOT



Overview

The XR4 SPOT is a compact and lightweight moving head projector fitted with a 250W discharge lamp, delivering 5.450 Lux / 5 m. The XR4 SPOT provides a useful combination of custom gobo projections and striking dynamic effects. The XR4 SPOT is suitable for any professional application, including concerts, shows, special events and clubs.

Lamp

GE CSD 250/2SE lamp (18.000 Lumens)
Base type GY9,5

Optical group

- * 5.450 Lux at 5 m (14°)
- * Optical group made with 2 coated lenses combined with a dichroic glass reflector
- * 16-bit motorized focus
- * 14° zoom angle (19° - 22° available)
- * Linear dimmer / shutter / strobe (0,85 flash/sec to 10 flash/sec)

Colour generation

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

Dynamic effects

- * customizable rotating gobo wheel (7 gobos)
- * 3-facet rotating prism

Interface / Control / Programming

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

DMX

17 DMX channels

Pan & Tilt

- * 16-bit movement resolution
- * Extremely fast rotations: Pan 540° (2,8 sec.); Tilt 270° (2 sec.)
- * 4 Selectable speed ranges
- * Pan/Tilt locking system with recessed buttons
- * Automatic Pan/Tilt repositioning in case of knocks

Power supply

- * Electro-magnetic ballast; 230 V 50/60 Hz
- * Power consumption: 350 W

Connectors

- * DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
- * Power supply: POWERCONN connector by Neutrik

Operating ambient temperature

-10° / 40°

Weight

26 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

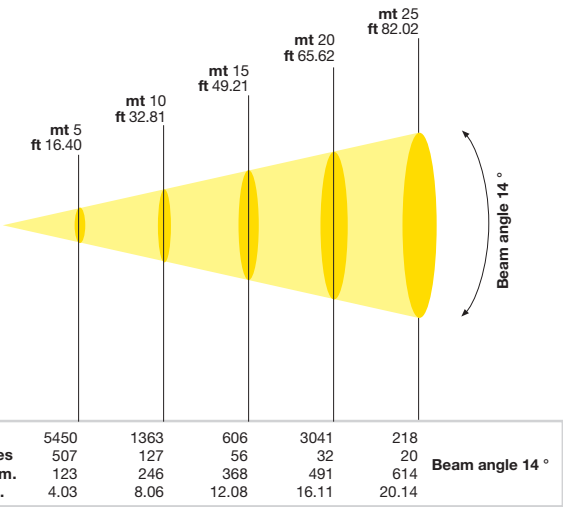
- 1 x POWERCON male cable connector (cod. 0520P014)
- 1 x XLR 5 Pins male cable connector (cod. 0508B028)
- 1 x XLR 5 Pins female cable connector (cod. 0508B027)
- 2 x "C" Clamp G QUICK (cod. 0521A014)

SPOT MOVING HEADS

Gobo Wheel 1



Colour Wheel



DMX channels

- | | |
|------------------|----------------------------------|
| 1 PAN msb 540° | 10 GOBO 1 |
| 2 PAN lsb | 11 GOBO 1 MODE |
| 3 TILT msb 270° | 12 GOBO 1 PRISM ROTATION - INDEX |
| 4 TILT lsb | 13 GOBO 1 INDEX FINE 16 bit |
| 5 SPEED MOVEMENT | 14 GOBO 1 SHAKE |
| 6 DIMMER | 15 PRISM |
| 7 SHUTTER | 16 FOCUS |
| 8 COLOUR | 17 RESET |
| 9 COLOUR MODE | |

XR4 SPOT



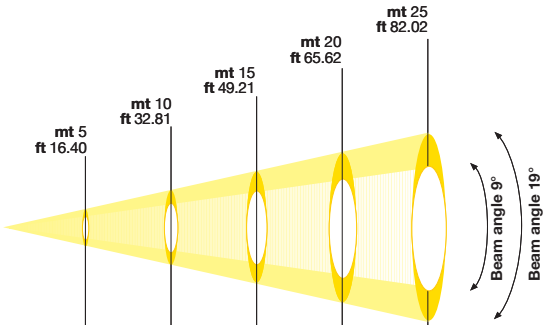
XR1200 WASH PC



WASH MOVING HEADS

XR1200 WASH PC

Colour Wheel



Lux center	104000	26000	15556	6500	4160	Beam angle 9°
Foot candles	9665	2416	1074	604	387	
Diameter cm.	79	157	236	315	394	
Diameter ft.	2.58	5.16	7.75	10.33	12.91	
Lux center	22700	5675	2522	1419	908	Beam angle 19°
Foot candles	2110	527	234	132	84	
Diameter cm.	160	320	481	641	801	
Diameter ft.	5.25	10.51	15.76	21.02	26.27	

Overview

The XR1200 WASH PC is a high-output moving head projector fitted with a 1200 W discharge lamp, delivering a massive 104.000 Lux / 5 m. The XR1200 WASH PC provides a powerful combination of sophisticated colour generation (including a linear CMY system, an 8-colour wheel, and 2 colour conversion filters), plus a motorized linear 9° - 19° zoom, and a rotating 16-bit indexable beam shaper (0°-180°). The XR1200 WASH PC is suitable for top level professional applications, including concerts, shows, tours, special events and large venues. The XR1200 WASH PC is available in 2 versions: with or without the 'FPR' system. The 'FPR' (D.T.S. patent) allows limitless pan rotation, in either direction, never having to reverse motion.

Lamp

- * Philips MSR Gold 1200 Fastfit lamp (95.000 Lumens)
- * Base type PGJX50

Optical group

- * 104.000 Lux at 5 m (9°)
- * PC lens Ø 150 mm combined with a dichroic glass reflector
- * 16-bit motorized linear zoom (9°- 19°)
- * Rotating and indexable beam shaper (0°-180°)
- * Frost filter

Colour generation

- * CMY linear system
- * colour wheel (8 colours + open) with linear selection for perfect 2-colour beams
- * 2 colour conversion filters (3.200°K / 5.600°K)

Interface / Control / Programming

- * Extra-wide, multi-function graphic LCD display (128 x 64)
- * 4 soft-keys (control / management / monitoring of the main parameters)
- * Controlled via DMX 512 standard digital communication protocol
- * Wireless ready
- * ARTNET available on request
- * internal operating system updatable via D.T.S. RED BOX interface and hyperterminal program on windows based PC

DMX

16 DMX channels

Pan & Tilt

XR1200 WASH PC:
Pan 540°: 2.9 sec.; Tilt 270°: 1.8 sec.
XR1200 WASH PC FPR:
'FPR' system (D.T.S. patent)
Pan: limitless rotation, in both directions; 360° rotation in 1.58 sec.; Tilt 270°: 1.8 sec.

- * 4 Selectable speed ranges
- * Pan/Tilt locking system with recessed buttons
- * Automatic Pan/Tilt repositioning in case of knocks

Power supply

- * Electronic ballast; 90-260 V 50/60 Hz
- * Power consumption: 1320 W

Energy saving

- * Power saving mode (the lamp dims to 50% six seconds after shutter closure)

Connectors

- * DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
- * Power supply: POWERCONN connector by Neutrik

Operating ambient temperature

-10° / 40°

Weight

38 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 "C" Clamp G100 black (cod. 0521A015)
- 2 x Omega bracket with "Fast Lock" connection (cod. 02K00467)

DMX channels

- | | |
|------------------|-----------------------|
| 1 PAN msb (540°) | 10 MAGENTA |
| 2 PAN lsb | 11 YELLOW |
| 3 TILT msb(320°) | 12 SPEED CMY / DIMMER |
| 4 TILT lsb | 13 MACRO CMY / COLOUR |
| 5 MOVEMENT SPEED | 14 EFFECTS |
| 6 DIMMER | 15 ZOOM |
| 7 SHUTTER | 16 RESET |
| 8 COLOUR | |
| 9 CYAN | |



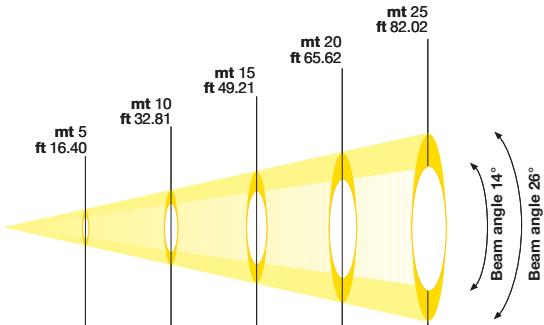
XR1200 WASH



WASH MOVING HEADS

XR1200 WASH

Colour Wheel



Lux center	55000	13750	6111	3438	2200	Beam angle 14°
Foot candles	5112	1278	568	319	204	
Diameter cm.	123	246	368	491	614	
Diameter ft.	4,03	8,06	12,08	16,11	20,14	

Lux center	11300	2825	1256	706	452	Beam angle 26°
Foot candles	1050	263	117	66	42	
Diameter cm.	249	499	748	997	1247	
Diameter ft.	8.18	16.36	24.54	32.72	40.90	

Overview

The XR1200 WASH is a high-output moving head projector fitted with a 1200 W discharge lamp, delivering a massive 55.000 Lux / 5 m. The XR1200 WASH provides a powerful combination of sophisticated colour generation (including a linear CMY system, an 8-colour wheel, and 2 colour conversion filters), plus a motorized linear 14° - 26° zoom, and a rotating 16-bit indexable beam shaper (0°-180°). The XR1200 WASH is suitable for top level professional applications, including concerts, shows, tours, special events and large venues. The XR1200 WASH PC is available in 2 versions: with or without the 'FPR' system. The 'FPR' (D.T.S. patent) allows limitless pan rotation, in either direction, never having to reverse motion.

Lamp

- * Philips MSR Gold 1200 Fastfit lamp (95.000 Lumens)
- * Base type PGJX50

Optical group

- * 55.000 Lux at 5 m (14°)
- * Fresnel lens Ø 200 mm combined with a dichroic glass reflector
- * 16-bit motorized linear zoom (14°- 26°)
- * Rotating and indexable beam shaper (0°-180°)
- * Frost filter

Colour generation

- * CMY linear system
- * colour wheel (8 colours + open) with linear selection for perfect 2-colour beams
- * 2 colour conversion filters (3.200°K / 5.600°K)

Interface / Control / Programming

- * Extra-wide, multi-function graphic LCD display (128 x 64)
- * 4 soft-keys (control / management / monitoring of the main parameters)
- * Controlled via DMX 512 standard digital communication protocol
- * Wireless ready
- * ARTNET available on request
- * internal operating system updatable via D.T.S. RED BOX interface and hyperterminal program on windows based PC

DMX

16 DMX channels

Pan & Tilt

XR1200 WASH:

Pan 540°: 2.9 sec.; Tilt 270°: 1.8 sec.

XR1200 WASH FPR:

'FPR' system (D.T.S. patent)

Pan: limitless rotation, in both directions; 360° rotation in 1.58 sec.; Tilt 270°: 1.8 sec.

- * 4 Selectable speed ranges
- * Pan/Tilt locking system with recessed buttons
- * Automatic Pan/Tilt repositioning in case of knocks

Power supply

- * Electronic ballast; 90-260 V 50/60 Hz
- * Power consumption: 1320 W

Energy saving

- * Power saving mode (the lamp dims to 50% six seconds after shutter closure)

Connectors

- * DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
- * Power supply: POWERCONN connector by Neutrik

Operating ambient temperature

-10° / 40°

Weight

38 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

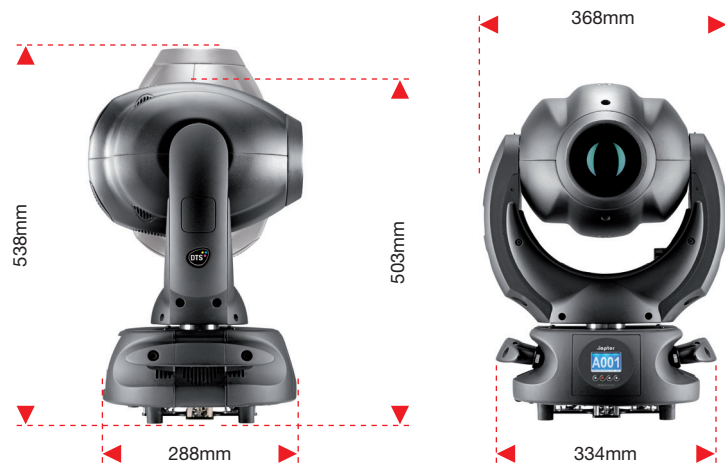
- 1 x POWERCON male cable connector (cod. 0520P014)
- 1 x XLR 5 Pins male cable connector (cod. 0508B028)
- 1 x XLR 5 Pins female cable connector (cod. 0508B027)
- 2 x "C" Clamp G100 black (cod. 0521A015)
- 2 x Omega bracket with "Fast Lock" connection (cod. 02K00467)

DMX channels

- | | |
|------------------|-----------------------|
| 1 PAN msb (540°) | 10 MAGENTA |
| 2 PAN lsb | 11 YELLOW |
| 3 TILT msb(320°) | 12 SPEED CMY / DIMMER |
| 4 TILT lsb | 13 MACRO CMY / COLOUR |
| 5 MOVEMENT SPEED | 14 EFFECTS |
| 6 DIMMER | 15 ZOOM |
| 7 SHUTTER | 16 RESET |
| 8 COLOUR | |
| 9 CYAN | |



RAPTOR



Overview

RAPTOR is the most compact Beam moving head on the market: just 37cm x 50cm. RAPTOR projects the most powerful beam of light (150.000 Lux / 15m), and the most concentrated one. RAPTOR can perfectly focus its 17 gobos at any distance. Its unique selectable ‘Smooth’ filter eliminates the hot spot typical of Beam projectors, evenly diffusing luminosity at any point of the light beam. The RAPTOR is available in 2 versions: with or without the ‘FPR’ system. The ‘FPR’ (D.T.S. patent) allows limitless pan rotation, in either direction, never having to reverse motion. Also, the unit features the fastest strobe effect.

Lamp

Osram Sirius HRI 330W (16.500 Lumens; 7.500°K)

Optical group

Beam opening: 0,6° - 3,4°
16-bit motorized linear focus
Linear dimmer / shutter / ultra-fast strobe
150.000 Lux / 15 m

Colour generation

17-colour wheel with linear selection for perfect 2-colour beams

Dynamic effects

17-gobo wheel
8-facet rotating prism

Filters

Smooth filter (eliminates the hot spot, evenly diffusing luminosity)
Frost filter

Interface / Control / Programming

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

DMX

18 DMX channels

Pan/Tilt

RAPTOR:
Pan 540°: 2.5 sec.; Tilt 270°: 1.5 sec.
RAPTOR FPR:
‘FPR’ system (D.T.S. patent)
Pan: limitless rotation, in both directions; 360° rotation in 0.98 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: 90-260V 50/60Hz;
Consumption: 450 W with PFC

Energy saving

Power saving mode (the lamp dims to 80% after shutter closure)

Connectors

DMX: 4 x XLR (3-pole In and Out; 5-pole In and Out) by Neutrik;
Power supply: POWERCON IN / OUT connectors by Neutrik.

Weight

15,4 Kg

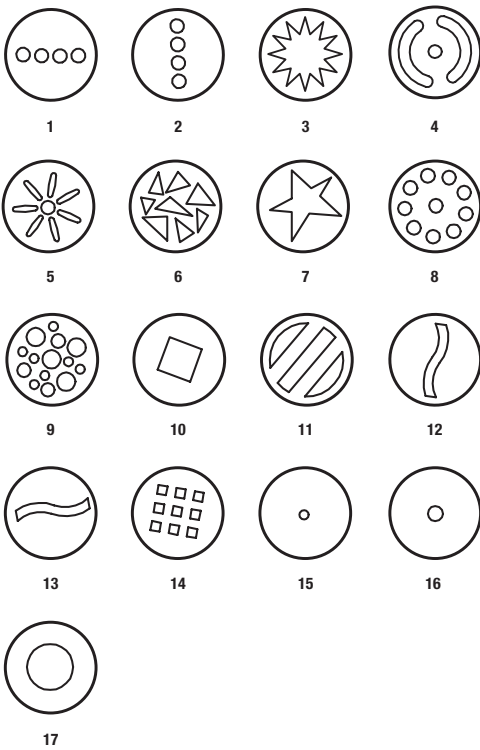
Included items

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)

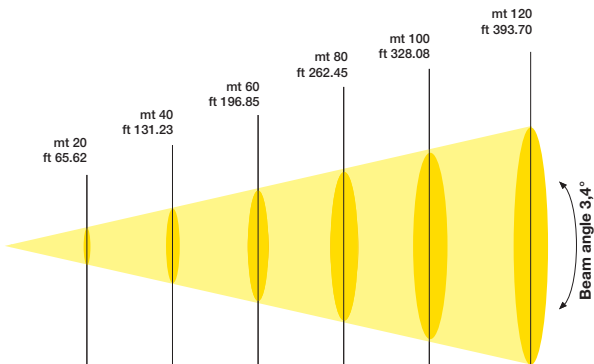
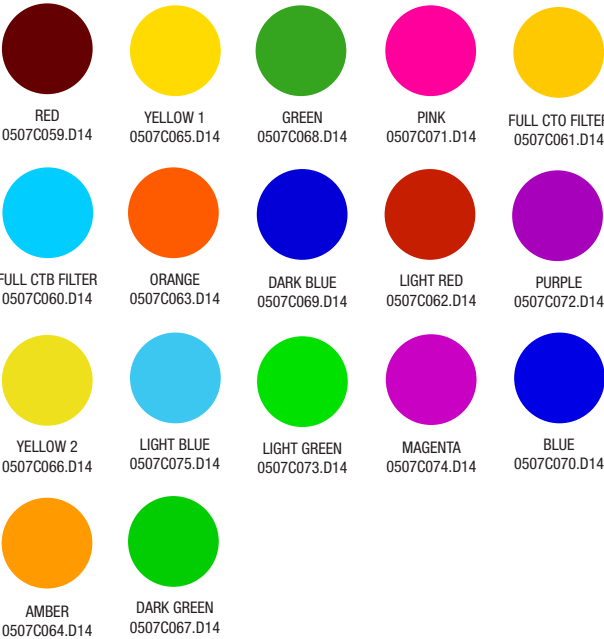
BEAM MOVING HEADS

RAPTOR

Gobo Wheel



Colour Wheel



Lux center lx.	88200	22050	9800	5513	3528	2450
Foot candles fc.	8197	2049	911	512	328	228
Diameter cm.	119	237	356	475	594	712
Diameter ft.	3.89	7.79	11.68	15.58	19.47	23.37

DMX channels

- | | | | |
|---|-----------------------------|----|------------------|
| 1 | PAN msb | 10 | COLOUR MODE |
| 2 | PAN lsb | 11 | FIXED GOBO |
| 3 | TILT msb | 12 | FIXED GOBO SHAKE |
| 4 | TILT lsb | 13 | FROST |
| 5 | SPEED MOVEMENT | 14 | SMOOTH |
| 6 | PAN FAR | 15 | PRISM |
| | (Active only on RAPTOR FPR) | 16 | PRISM ROTATION |
| 7 | DIMMER | 17 | FOCUS |
| 8 | SHUTTER | 18 | RESET + LAMP |
| 9 | COLOUR | | |



WONDER



The Lighting Company

WONDER's LED board is divided into two concentric areas, each with its own high-efficiency optical group and independent zoom.

WONDER's LED board consists of 4 zones: a central one (7 LEDs), and a ring divided into three distinct sections (14 LEDs each). Each zone has individual control of luminosity, colors and effects.

'FPR' system (D.T.S. patent): limitless pan rotation, in either direction, never having to reverse motion

Heavy-duty injection molded body.



Pan lock / Tilt lock.



RDM (DMX addresses, General settings, Fixture feedback, etc.)

The long-life Li-Fe backup battery allows you to control the main parameters even when WONDER is not powered.



Ergonomic handles: easy transport, installation and rigging.



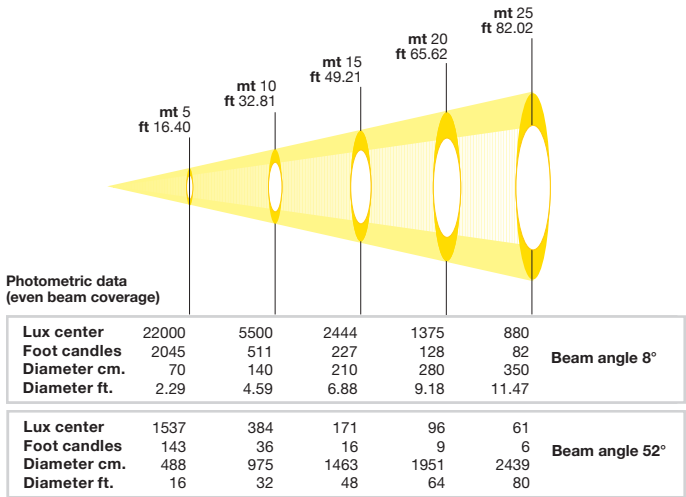
Multi-purpose 'Omega' flange included, enabling a vast range of rigging possibilities.

The re-launch power Out connector makes units' cabling easier.

MOVING HEAD PROJECTORS



LED MOVING HEADS



Overview

WONDER is the first Double-Optics Wash fixture. WONDER introduces a revolutionary architecture: a double concentric optical system. A radically new technology that achieves an unprecedented result: the purest most uniform wall wash ever seen. In traditional wash lights, when the beam is widened to illuminate a larger area, a darker spot is visible in the center. The revolutionary optics of the WONDER, however, projects two concentric beams with independently controllable luminosity, size and color. It is therefore possible to balance the brightness of the entire beam with that of its center, resulting in unparalleled evenly diffused luminosity.

You can also obtain stunning multicolor projections: WONDER's LED board consists of two concentric zones: a central one, and a ring divided into three distinct sections. Each of these four areas has individual control of its main features, such as luminosity, colors and effects: it's like having four LED fixtures in one. Furthermore, each zone has its own dedicated optical system, featuring different lenses and zoom ranges. This revolutionary configuration makes endless combinations possible. WONDER can create amazing effects in the air, guaranteed to astonish any audience. WONDER means unlimited creativity for Lighting Designers.

WONDER comes equipped with the 'FPR' system (D.T.S. patent), which allows limitless pan rotation, in either direction, never having to reverse motion.

LED Technology

49 FULL COLOUR LEDs (RGBW)

Optical group

2 concentric independent high efficiency optical groups
Optical group 1: 3.5° - 52° long excursion linear motorized zoom
Optical group 2: 8° - 52° long excursion linear motorized zoom
22,000 Lux / 5 m

Color generation

4 discrete LED areas; each area is independently controllable (luminosity, colors, effects)
16 million colors each
Wide palette of pure uniform whites with variable linear color temperature (2700 K - 8000 K)

Interface / Control / Programming

Li-Fe backup battery for controlling the main parameters even when WONDER is not powered.
LCD graphic display + 4 soft-keys (control / management of the main parameters)
RDM
ARTNET available on request
Wireless ready
Updatable internal operating system

DMX

34 DMX channels

Pan & Tilt

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

rotation in 1.90 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 full-range AC 90-260 V 50/60 Hz
Power consumption: 850 W

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

Operating ambient temperature

-10° / 40°

Weight

23.4 Kg

International certifications

Certification CE; LED Class: Class 2 LED product

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)

DMX channels

- | | |
|-------------------|------------------------------|
| 1 PAN msb | 18 GREEN SECTOR 2 |
| 2 PAN lsb | 19 BLUE SECTOR 2 |
| 3 TILT msb | 20 WHITE SECTOR 2 |
| 4 TILT lsb | 21 RED SECTOR 3 |
| 5 SPEED MOVEMENT | 22 GREEN SECTOR 3 |
| 6 PAN FPR | 23 BLUE SECTOR 3 |
| 7 SHUTTER | 24 WHITE SECTOR 3 |
| 8 DIMMER | 25 WHITE PREPROGRAMMED |
| 9 RED CENTER | 26 CTC |
| 10 GREEN CENTER | 27 MACROS |
| 11 BLUE CENTER | 28 MACROS SPEED CONTROL |
| 12 WHITE CENTER | 29 FUNCTIONS |
| 13 RED SECTOR 1 | 30 ZOOM CENTRE / GLOBAL ZOOM |
| 14 GREEN SECTOR 1 | 31 ZOOM SECTORS |
| 15 BLUE SECTOR 1 | 32 ZOOM MODE |
| 16 WHITE SECTOR 1 | 33 SERVICE |
| 17 RED SECTOR 2 | 34 RESET |

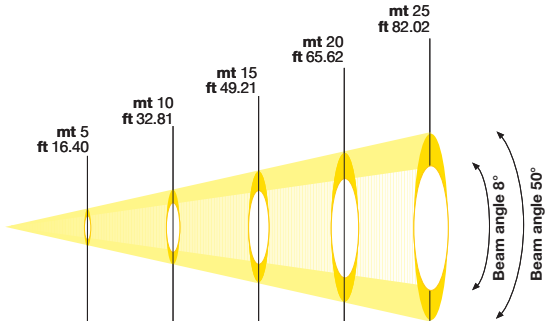


NICK NRG 1201



LED MOVING HEADS

NICK NRG 1201



Lux center	10500	2625	1167	656	420	Beam angle 8°
Foot candles	976	244	108	61	39	
Diameter cm.	70	140	210	280	350	
Diameter ft.	2.29	4.59	6.88	9.18	11.47	
Lux center	700	175	78	44	28	Beam angle 50°
Foot candles	65	16	7	4	3	
Diameter cm.	466	933	1399	1865	2332	
Diameter ft.	15.30	30.60	45.90	61.19	76.49	

Overview

NICK NRG 1201 is the most efficient LED moving head wash light ever produced and, thanks to its specifically developed optical group, fears no competition. The exceptional brightness/consumption ratio makes NICK NRG 1201 a truly “green” fixture. NICK NRG’s new-generation optical group is an exclusive D.T.S. feature. NICK NRG 1201 is equipped with 30 high-power full-colour LEDs (RGBW). NICK NRG 1201 features 8°- 50° motorized zoom with a high efficiency optical system - enabling it to be used as a PC Beam or a very wide Wash - and ultra-fast silent Pan/Tilt. The NRG 1201 is available in 2 versions: with or without the ‘FPR’ system. The ‘FPR’ (D.T.S. patent) allows limitless pan rotation, in either direction, never having to reverse motion. NICK NRG 1201 is suitable for top professional applications, such as tours and special events. NICK NRG 1201 is also available as NICK NRG 1201 CT (30 Full White LEDs, 2700°K-6500°K).

LED Technology

* 30 FULL COLOUR LEDs (RGBW)

Optical group

- * 8°- 50° linear motorized zoom with high-efficiency optical system
- * Uniform projection on surfaces, from very wide Wash to PC Beam

Colour generation

- * 16 million colours
- * Wide palette of pure uniform whites with variable linear colour temperature (2700°K - 8000°K)

Interface / Control / Programming

- * Multi-function OLED graphic colour display + 4 soft keys: control / management / monitoring of the main parameters
- * Controlled via DMX 512 and RDM standard digital communication protocols
- * Wireless ready
- * RDM
- * Internal operating system updatable via D.T.S. RED BOX interface via “D.T.S. firmware upgrade utility” program on windows based PC

DMX

20 DMX channels

Pan & Tilt

NRG 1201:

Pan 540°: 2 sec.; Tilt 270°: 1.2 sec.

NRG 1201 FPR:

‘FPR’ system (D.T.S. patent)

Pan: limitless rotation, in both directions; 360° rotation in 0.89 sec.; Tilt 270°: 1.2 sec.

16-bit movement resolution
4 Selectable speed ranges

Power supply

- * Electronic full-range AC 90-260 V 50/60 Hz
- * Power consumption:
 - 90 V - 3,7 A - 340 W
 - 120 V - 2,83 A - 340 W
 - 230 V - 1,47 A - 340 W
 - 260 V - 1,3 A - 340 W

Connectors

- * DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
- * Power supply: POWERCONN In/Out connectors by Neutrik

Operating ambient temperature

-10° / 40°

Weight

10,5 Kg

International certifications

Certification CE; LED Class: Class 2 LED product

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)

DMX channels

- | | | | |
|----|----------------|----|---------------------|
| 1 | PAN msb 540° | 11 | GREEN |
| 2 | PAN lsb | 12 | BLUE |
| 3 | TILT msb 270° | 13 | WHITE |
| 4 | TILT lsb | 14 | WHITE PREPROGRAMMED |
| 5 | SPEED MOVEMENT | 15 | CTC |
| 6 | PAN FPR | 16 | MACRO |
| 7 | NO FUNCTION | 17 | FUNCTION |
| 8 | SHUTTER | 18 | ZOOM |
| 9 | DIMMER | 19 | NO FUNCTION |
| 10 | RED | 20 | RESET |

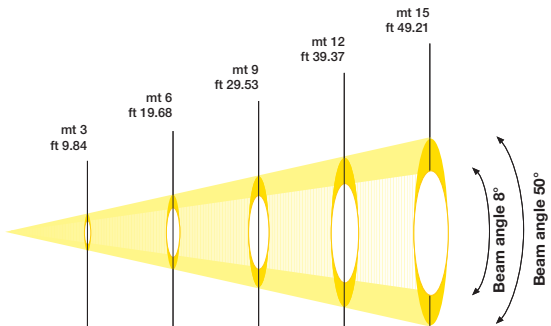


NICK NRG 801



LED MOVING HEADS

NICK NRG 801



Lux center	15278	3819	1698	955	611	Beam angle 8°
Foot candles	1420	355	158	89	57	
Diameter cm.	42	84	126	168	210	
Diameter ft.	1.38	2.75	4.13	5.51	6.88	
Lux center	1028	257	114	64	41	Beam angle 50°
Foot candles	96	84	11	6	4	
Diameter cm.	280	560	839	1119	1399	
Diameter ft.	9.18	18.36	27.54	36.72	45.90	

Overview

NICK NRG 801 is an high-efficiency compact LED moving head wash light which delivers a massive luminosity combined with an extremely light weight (only 9 Kg). NICK NRG 801 is equipped with 14 high-power Full-color LEDs (RGBW) coupled with a new-generation optical group. NICK NRG 801 features 8° - 50° motorized zoom (from concentrated beams to large wall washes) - and ultra-fast silent Pan/Tilt. NICK NRG 801 is a truly “green” fixture; in fact, it features a remarkable balance between performance and power consumption, a mere 200 W. The NRG 801 is available in 2 versions: with or without the ‘FPR’ system. The ‘FPR’ (D.T.S. patent) allows limitless pan rotation, in either direction, never having to reverse motion. NICK NRG 801 is suitable for a range of top professional applications, such as television, concerts, events, etc.

LED Technology

* 14 FULL COLOUR LEDs (RGBW)

Optical group

- * 8° - 50° linear motorized zoom with high efficiency optical system
- * Uniform projection on surfaces, from very wide Wash to PC Beam

Colour generation

- * 16 million colours
- * Wide palette of pure uniform whites with variable linear colour temperature (2700°K - 8000°K)

Interface / Control / Programming

- * Multi-function OLED graphic colour display + 4 soft keys: control / management / monitoring of the main parameters
- * Controlled via DMX 512 and RDM standard digital communication protocols
- * RDM
- * Wireless ready
- * Internal operating system updatable via D.T.S. RED BOX interface via “D.T.S. firmware upgrade utility” program on windows based PC

DMX

20 DMX channels

Pan & Tilt

NRG 801:

Pan 540°: 2 sec.; Tilt 270°: 1.2 sec.

NRG 801 FPR:

‘FPR’ system (D.T.S. patent)

Pan: limitless rotation, in both directions; 360° rotation in 0.73 sec.; Tilt 270°: 1.2 sec.

16-bit movement resolution

4 Selectable speed ranges

Power supply

- * Electronic full-range AC 90-260 V 50/60 Hz
- * Power consumption: 200 W

Connectors

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

Operating ambient temperature

-10° / 40°

Weight

9 Kg

International certifications

Certification CE; LED Class: Class 2 LED product

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)

DMX channels

- | | | | |
|----|----------------|----|---------------------|
| 1 | PAN msb 540° | 11 | GREEN |
| 2 | PAN lsb | 12 | BLUE |
| 3 | TILT msb 270° | 13 | WHITE |
| 4 | TILT lsb | 14 | WHITE PREPROGRAMMED |
| 5 | SPEED MOVEMENT | 15 | CTC |
| 6 | PAN FPR | 16 | MACRO |
| 7 | NO FUNCTION | 17 | FUNCTION |
| 8 | SHUTTER | 18 | ZOOM |
| 9 | DIMMER | 19 | NO FUNCTION |
| 10 | RED | 20 | RESET |

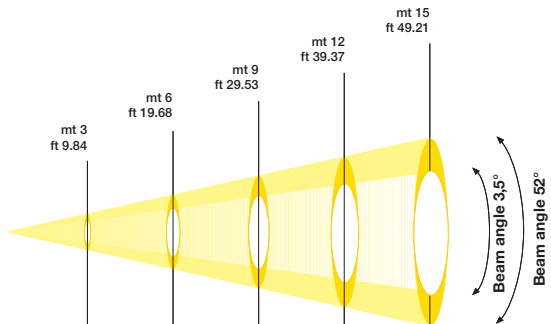


NICK NRG 501



LED MOVING HEADS

NICK NRG 501



Lux center	16806	4201	1867	1050	672	Beam angle 3,5°
Foot candles	1562	390	174	98	62	
Diameter cm.	18	36	53	71	89	
Diameter ft.	0,58	1,17	1,75	2,34	2,92	

Lux center	425	106	47	27	17	Beam angle 52°
Foot candles	39	10	4	2	2	
Diameter cm.	293	585	878	1171	1463	
Diameter ft.	9.60	19.20	28.80	38.40	48	

Overview

NICK NRG 501 is an high-efficiency LED moving head wash light which employs a new-generation optical group. The remarkable brightness / consumption ratio makes NICK NRG 501 a truly “green” fixture. NICK NRG 501 is equipped with 7 high-power Full-colour LEDs (RGBW). NICK NRG 501 features 3,5° - 52° motorized zoom (from very concentrated beams to large wall washes) - and ultra-fast silent Pan/Tilt. The NRG 501 is available in 2 versions: with or without the ‘FPR’ system. The ‘FPR’ (D.T.S. patent) allows limitless pan rotation, in either direction, never having to reverse motion. NICK NRG 501 is suitable for top professional applications, such as television, tours and special events.

LED Technology

* 7 FULL COLOUR LEDs (RGBW)

Optical group

* 3,5°- 52° linear motorized zoom with high efficiency optical system

* Uniform projection on surfaces, from very wide Wash to PC Beam

Colour generation

* 16 million colours

* Wide palette of pure uniform whites with variable linear colour temperature (2700°K - 8000°K)

Interface / Control / Programming

* Multi-function OLED graphic colour display + 4 soft keys: control / management / monitoring of the main parameters

* Controlled via DMX 512 and RDM standard digital communication protocols

* RDM

* Wireless ready

* Internal operating system updatable via D.T.S. RED BOX interface via “D.T.S. firmware upgrade utility” program on windows based PC

DMX

20 DMX channels

Pan & Tilt

NRG 501:
Pan 540°: 2 sec.; Tilt 270°: 1.2 sec.

NRG 501 FPR:
‘FPR’ system (D.T.S. patent)
Pan: limitless rotation, in both directions; 360° rotation in 0.73 sec.; Tilt 270°: 1.2 sec.

16-bit resolution

4 Selectable speed ranges

Power supply

* Electronic full-range AC 90-260 V 50/60 Hz

* Power consumption: 125 W

Connectors

* DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;

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

Operating ambient temperature

-10° / 40°

Weight

8,9 Kg

International certifications

Certification CE; LED Class: Class 2 LED product

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)

DMX channels

1	PAN msb 540°	11	GREEN
2	PAN lsb	12	BLUE
3	TILT msb 270°	13	WHITE
4	TILT lsb	14	WHITE PREPROGRAMMED
5	SPEED MOVEMENT	15	CTC
6	PAN FPR	16	MACRO
7	NO FUNCTION	17	FUNCTION
8	SHUTTER	18	ZOOM
9	DIMMER	19	NO FUNCTION
10	RED	20	RESET



NICK NRG 1200



Overview
NICK NRG 1200 is the most efficient LED moving head wash light ever produced. The exceptional brightness/consumption ratio makes NICK NRG 1200 a truly “green” fixture. NICK NRG 1200 is equipped with 30 high-power Full Colour LEDs. NICK NRG 1200 features two interchangeable lens fittings: Spot and Medium Flood - and ultra-fast silent Pan/Tilt. NICK NRG 1200 is suitable for top professional applications, such as tours and special events. NICK NRG 1200 is also available as NICK NRG 1200 CT (30 Full White LEDs, 2700°K-6500°K).

LED Technology
* 30 Full Colour LEDs (RGBW)

Optical group
* Two interchangeable lenses sets: Spot, Medium Flood
* Uniform projection on surfaces

Colour generation
* 16 million colours
* Wide palette of pure uniform whites with variable linear colour temperature (2700°K - 8000°K)

Interface / Control / Programming
* Multi-function OLED graphic colour display + 4 soft keys: control / management / monitoring of the main parameters
* Controlled via DMX 512 and RDM standard digital communication protocols
* Wireless ready
* RDM

* Internal operating system updatable via D.T.S. RED BOX interface via “D.T.S. firmware upgrade utility” program on windows based PC

DMX
20 DMX channels

Pan & Tilt
* 16-bit movement resolution
* Ultra-fast movement: Pan 540° (2 sec.); Tilt 270° (1,2 sec.)
* 4 Selectable speed ranges

Power supply
* Electronic full-range AC 90-260 V 50/60 Hz
* Power consumption:
90 V - 3,7 A - 340 W
120 V - 2,83 A - 340 W
230 V - 1,47 A - 340 W
260 V - 1,3 A - 340 W

Connectors
* DMX: 4 XLR connectors (3-pole In and Out; 5-pole In and Out) by Neutrik;
* Power supply: POWERCONN In/Out connectors by Neutrik

Operating ambient temperature
-10° / 40°

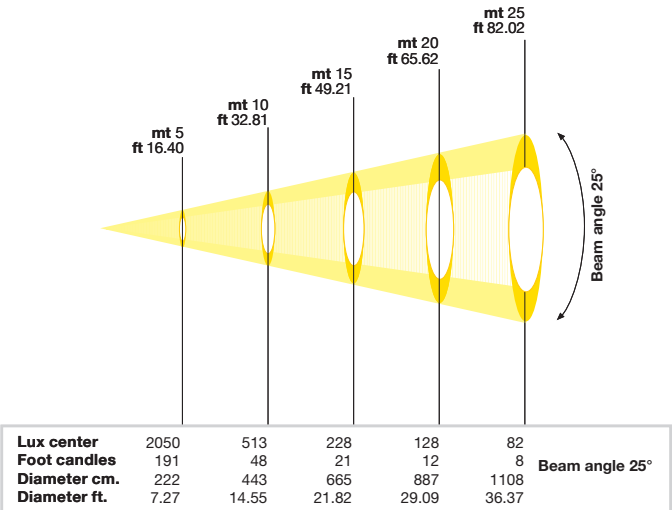
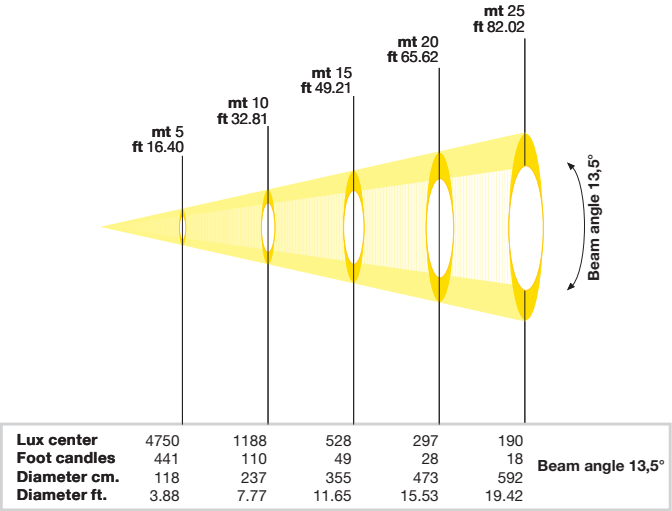
Weight
9,5 Kg

International certifications
Certification CE; LED Class: Class 2 LED product

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)

LED MOVING HEADS

NICK NRG 1200



DMX channels

1	PAN msb 540°	11	GREEN
2	PAN lsb	12	BLUE
3	TILT msb 270°	13	WHITE
4	TILT lsb	14	WHITE PREPROGRAMMED
5	SPEED MOVEMENT	15	CTC
6	NO FUNCTION	16	MACRO
7	NO FUNCTION	17	FUNCTION
8	SHUTTER	18	NO FUNCTION
9	DIMMER	19	NO FUNCTION
10	RED	20	RESET





The Lighting Company

			MAX	MAX L	JACK	XR3000 SPOT CMY	XR8 SPOT	XR4 SPOT	XR1200 WASH PC	XR1200 WASH	RAPTOR	WONDER	NICK NRG 1201	NICK NRG 801	NICK NRG 501	NICK NRG 1200
LAMPS	0505S036	MSD PLATINUM 16R 330W lamp	Y	Y												
	0505S037	SIRIUS 330W lamp								Y						
	0505S034	MSD Platinum 5R 189W lamp			Y											
	0505S019	MSR Gold 1200 Fastfit lamp				Y		Y	Y							
	0505S005	MSR 575/2-HSR 575W lamp				Y										
	0505S026	CSD 250/2SE 250W lamp					Y									
LENSES	0506L016	Optic lens (beam opening 19°)					Y									
	0506L017	Optic lens (beam opening 22°)					Y									
FLIGHT CASES	0521C042.1	Professional Flight case; compartment for lamps and accessories, swivel wheels, cover with hinges with-stay, dishes on cover for piling						Y	Y							
	0521C041.1	Professional Flight case; compartment for lamps and accessories, swivel wheels, cover with hinges with-stay, dishes on cover for piling, front door				Y										
	0521C040.1	Double professional flight case; compartment for lamps and accessories, swivel wheels, cover wuth hinges with-stay, dishes on cover for piling						Y	Y							
	0521C038.1	Double professional flight case; compartment for lamps and accessories, swivel wheels, dishes on cover for piling, double door on sides				Y										
	0521C040	Double Flight case; compartment for lamps and accessories, swivel wheels, cover with hinges with-stay, dishes on cover for piling						Y	Y							
	0521C038	Double flight case; compartment for lamps and accessories, swivel wheels, dishes on cover for piling				Y										
	0521C032.1	Double Professional flight case, compartment for lamps and accessories, swivel wheels, cover with hinges-with-stay, dishes on cover for piling, 8 handles				Y	Y									
	0521C032	Double flight case, compartment for lamps and accessories, swivel wheels, cover with hinges-with-stay, dishes on cover for piling, 8 handles				Y	Y									
	0521C051.1	Professional flight case for 4 units, compartment for accessories, swivel wheels, cover with hinges-with-stay, dishes on cover for piling, 8 handles										Y	Y	Y	Y	
	0521C052.1	Professional flight case for 4 units, compartment for accessories, swivel wheels, cover with hinges-with-stay, dishes on cover for piling, 8 handles			Y											
	0521C061.1	Professional flight case for 2 units									Y					
	0521C060.1	Professional flight case for 2 units	Y	Y												
	0521C062.1	Professional Flight case for 6 units; compartment for accessories, swivel wheels, cover with hinges with-stay, dishes on cover for piling, 8 handles											Y	Y		
RAINCOVERS	03.MA009	Raincover for XR3000/XR2000 base (top)				Y		Y	Y							
	03.MA010	Raincover for XR3000/XR2000 base (bottom)				Y		Y	Y							
	03.MA001	Raincover for XR base (top)				Y	Y									
	03.MA002	Raincover for XR base (bottom)				Y	Y									
OUTDOOR INFLATABLE COVERS	0521A030	Inflatable Cover H80 for any XR-series fixture (except for XR3000 / XR2000 / XR1200 WASH if hanged upside down)				Y	Y	Y	Y							
	0521A032	Inflatable Cover H160 (suitable for XR3000 / XR2000 / XR1200 WASH if hanged upside down)				Y		Y	Y							
EMBEDDING FLANGES	03.MA007	Embedding flange for all XR-series moving heads (no visible display)				Y	Y	Y	Y	Y						
WIRELESS DMX CARDS	03.LA.115	Wireless DMX Receiver Card with 0508A033 - INDOOR IP20 2-dBi antenna included				Y	Y	Y	Y	Y						
	03.LA.126	Wireless DMX Receiver Card with 0508A033 - INDOOR IP20 2-dBi antenna included	Y	Y	Y					Y	Y	Y	Y	Y	Y	Y
CLAMPS/ SAFETY WIRES	0521A004	“C” Clamp G60 black (max. load 50Kg)			Y	Y	Y	Y	Y			Y	Y	Y	Y	Y
	0521A014	“C” Clamp GQUICK with “Fast Lock” connection 1/4 turn (max. load. 80Kg)			Y	Y	Y	Y	Y			Y	Y	Y	Y	Y
	0521A015	“C” Clamp G100 black / professional (max. load. 200Kg)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	02K00467	Omega clamp with “Fast Lock” connection 1/4 turn 1 couple (2 pieces)			Y	Y	Y	Y	Y			Y	Y	Y	Y	Y
	0521A010	Safety wire (3mm x 60 cm), ring spring catch, max. capacity load 60Kg	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	0521A008	Aliscaf clamp (max.load 100Kg)	Y	Y						Y	Y					
	02K00549	Omega clamp with “Fast Lock” connection 1/4 turn	Y	Y						Y	Y					
	03.LA.008	RED BOX software update interface	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
UPGRADE MODULES	02SK0235	Easy-plug-in-module for MAX L (Linear CMY + Linear CTO)		Y												





The Lighting Company

	HIGH-POWER COMPACT MOVING HEADS			SPOT MOVING HEADS			WASH MOVING HEADS		BEAM MOVING HEADS	LED MOVING HEADS				
	MAX	MAX L	JACK	XR 3000 SPOT CMY	XR 8 SPOT	XR 4 SPOT	XR 1200 WASH PC	XR 1200 WASH	RAPTOR	WONDER	NICK NRG 1201	NICK NRG 801	NICK NRG 501	NICK NRG 1200
LIGHT SOURCE	MSD Platinum 16R 330W	MSD Platinum 16R 330W	MSD Platinum 5R	Philips MSR Gold 1200 Fastfit	Philips MSR 575/2	GE CSD 250/2SE	Philips MSR Gold 1200 Fastfit	Philips MSR Gold 1200 Fastfit	SIRIUS HRI 330W	49 Full Colour LEDs	30 Full Colour LEDs	14 Full Colour	7 Full Colour LEDs	30 Full Colour LEDs
OPTICAL GROUP	11 coated lenses	11 coated lenses	11 coated lenses	11 coated lenses	3 coated lenses	2 coated lenses	PC lens Ø 150 mm	Fresnel Ø 200mm	Custom-built optical lens	Double-Optics 49 zoom lenses	30 zoom lenses	14 zoom lenses	7 zoom lenses	30 lenses
TOTAL LUMENS	16,000	16,000	7,950	95,000	49,000	18.000	95,000	95,000	16,500	22,050	13,650	5,283	3,500	13,650
LUX	100,000 (2°) / 5m	100,000 (2°) / 5m	50,000 (2.5°) / 5m	85,000 (10°) / 5m	10,100 (11°) / 5m	5,450 (14°) / 5m	104,000 (9°) / 5m	27,000 (20°) / 5m	1,344,000 (3.4°) / 5m	22,000 (8°) / 5m	10,500 (8°) / 5m	15,278 (8°) / 3m	16,806 (3.5°) / 3m	4,750 (13.5°) / 5m
MOTORIZED FOCUS	Y	Y	Y	Y	Y	Y			Y					
MOTORIZED IRIS	Y		Y	Y										
ZOOM	LINEAR 2° - 60°	LINEAR 1.7° - 60°	LINEAR 2.5° - 46°	LINEAR 10° - 35°	11°/15°/18°	14°	LINEAR 9° - 19°	LINEAR 14° - 26°	3,4°	2 x Linear zooms 3.5° - 52° / 8° - 52°	LINEAR 8° - 50°	LINEAR 8° - 50°	LINEAR 3.5° - 52°	
LINEAR DIMMER / SHUTTER	Y	Y	Y	Y	Y	Y	Y	Y	Y					
STROBE 0,85 - 10 FLASH/SEC	Y	Y	Y	Y	Y	Y	Y	Y	0.85 - 32 FLASH/SEC	electronic strobe	electronic strobe	electronic strobe	electronic strobe	electronic strobe
COLOUR SYNTHESYS	CMY			CMY			CMY	CMY		RGBW	RGBW	RGBW	RGBW	RGBW
COLOURS (COLOUR WHEEL - 1)	17	17	18	7	8	8	8	8	17					
COLOURS (COLOUR WHEEL - 2)														
COLOUR CONVERSION FILTERS	LINEAR CTO		CTO / CTB	CTO			CTO / CTB	CTO / CTB						
GOBOS (ROTATING GOBO WHEEL)	9	9	9	7	7	7								
GOBOS (FIXED GOBO WHEEL)	10	10	10	8					17					
ANIMATION WHEEL	Y			Y										
PRISM	4-FACET	4-FACET	4-FACET	3-FACET	3-FACET	3-FACET			8-FACET					
FROST FILTER	Y	Y		Y	Y		Y	Y	Y / SMOOTH FILTER					
ROTATING BEAM SHAPER (0°-180°)							Y	Y						
PAN 540°	2.5 SEC	2.5 SEC	2.5 SEC	3.9 SEC	3.9 SEC	2.8 SEC	2.9 SEC	2.9 SEC	2.5 SEC	2.5 SEC	2 SEC	2 SEC	2 SEC	2 SEC
TILT 270°	1.5 SEC	1.5 SEC	1.5 SEC	2,6 SEC	2.6 SEC	2.0 SEC	1.8 SEC	1.8 SEC	1.5 SEC	1.5 SEC	1.2 SEC	1.2 SEC	1.2 SEC	1.2 SEC
‘FPR’ (FREE PAN ROTATION) SYSTEM	ON REQUEST PAN ROTATION: 360° IN 1.56 SEC.		ON REQUEST PAN ROTATION: 360° IN 1.01 SEC.	ON REQUEST PAN ROTATION: 360° IN 2.33 SEC.			ON REQUEST PAN ROTATION: 360° IN 1.58 SEC.	ON REQUEST PAN ROTATION: 360° IN 1.58 SEC.	ON REQUEST PAN ROTATION: 360° IN 0.98 SEC.	ON REQUEST PAN ROTATION: 360° IN 1.90 SEC.	ON REQUEST PAN ROTATION: 360° IN 0.89 SEC.	ON REQUEST PAN ROTATION: 360° IN 0.73 SEC.	ON REQUEST PAN ROTATION: 360° IN 0.73 SEC.	
DMX CHANNELS / RDM	33 / Y	24 / Y	25 / Y	30	20	17	16	16	18 / Y	34 / Y	20 / Y	20 / Y	20 / Y	20 / Y
DISPLAY	LCD GRAPHIC	LCD GRAPHIC	LCD GRAPHIC	GRAPHIC 128X64	LED	LED	GRAPHIC 128X64	GRAPHIC 128X64	LCD GRAPHIC	OLED graphic colour	OLED graphic colour	OLED graphic colour	OLED graphic colour	OLED graphic colour
WIRELESS READY	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
ARTNET ON REQUEST	Y	Y		Y			Y	Y		Y				Y
4 DMX CONNECTORS (3/5-POLE IN/OUT)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
POWERCONN POWER CONNECTOR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
ELECTRONIC BALLAST 90-260 V 50/60 HZ	Y	Y	Y	Y	Y		Y	Y	Y	Electronic full range power supply	Electronic full range power supply	Electronic full range power supply	Electronic full range power supply	Electronic full range power supply
ELECTRO-MAGNETIC BALLAST 230 V 50/60 HZ					Y	Y								
POWER CONSUMPTION	450 W	450 W	230 W	1,320 W	750 W	350 W	1,320 W	1,320 W	450 W	850 W	340 W	200 W	125 W	340 W
WEIGHT (ELECTRONIC BALLAST)	20 KG	19 KG	11.9 KG	46.5 KG	27 KG		38 KG	38 KG	15.4 KG	23.4 KG	10.5 KG	9 KG	8.9 KG	9.5 KG
WEIGHT (MAGNETIC BALLAST)					31 KG	26 KG								





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DIAMETRO

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The Lighting Company

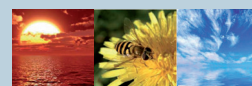
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ISO 9001:2008

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