



# GLP impression FR1

Product Information  
Version EMEA 16.05.2018



**INTRODUCTION**

**KEY SELLING POINTS**

**OPTICS / COLORS / CONSTRUCTION**

**ACCESSORIES**

**MSRP – EMEA - DEMO**

**LAUNCH AND SHIPPING**

**SPECIFICATION**

**CAD / PICTURES**

**COMPETITIVE ANALYSIS**

**FAQ**



## What is it ?

The new GLP impression FR1 is the latest compact LED moving head which offers a soft pencil beam and super fast movement and continuous pan rotation for amazing 3D multi beam designs.

But that's not all – the optical system can move from a 4° soft narrow beam to a 35° soft wide wash light. Optionally it is possible to remove the soft front diffusor to get a more hard edge beam in 3,7°. The high quality Osram RGBW Quad LED emits saturated colors and white light of all relevant color temperatures – selectable via RGBW- or CTO-Control. The new micro Fresnel front lens has a homogeny round image and visibility at plan view – which is needed for TV applications.

The GLP impression FR1 has been designed with the famous baseless design and an extremely and compact body easily fitting into the tightest spaces of set designs from concert and touring stages, television and film, corporate events, set lighting to special events.



## Why is it matching the market needs ?

As we can see, in the last few years the ways of creative lighting design changed to a higher fixture quantity and a more flexible way of using lighting products. In addition more and more creative LED fixtures are entering the market. While being stunning, they can also be crazy and sometimes even totally over engineered in design.

Lighting designers love these “LED Gimmicks” as they can easily do quick new designs with this fixtures, while Dry Hire companies hesitate to invest due to an unclear ROI Calculation.

With the GLP impression FR1 they can now extend their portfolio of the X4 atom and make it movable. This combination of impression FR1 and the X4 atom is a smart tool-kit-system based on a lowest common denominator:

**No Oversizing – No Palling – Quick ROI with Long Term Usability**



## What is the target user group ?

The GLP impression FR1 is the perfect extension for all customers who have already invested in the standard GLP impression X4 atom concept.

New customers will love the flexibility of the modular system. The GLP impression FR1 is the perfect tool for lighting designers which are looking for the most flexible modular system in order to create never before seen designs. The combination of the static GLP impression X4 atom and moving GLP impression FR1 will offer a new dimension of three dimensional beam design architecture and closing black-areas in the set.

The GLP impression FR1 and the GLP impression X4 atom are the perfect choice for all Rental and Dry Hire companies which are hesitant to invest in one of the thousands fly-by-night LED Effect Fixtures. The GLP impression X4 atom line and the new GLP impression FR1 concentrates on a basic creative modular system and captures all the benefits in one fixture:

**Creativity for Designers – Quick ROI for Investors – Long Term Usability**



- **Super small size and lightweight for an uncomplicated set integration.**
- **Extremely fast movements for spectacular Multibeam Designs with continuous pan rotation.**
- **Perfect extension for static GLP impression X4 atom designs.**
- **No oversized LED Gimmick, just the tool kit which designers really need.**
- **Quick ROI with long term usability no palling.**



- lightweight with 4 kg and super compact - length max. 264 mm, width 190 mm, height max. 354 mm
- favoured baseless design with 360° continuous Pan-Rotation and 229° Tilt in 16-bit Resolution and Position feedback
- easy daisy chain installation with DMX-5pin and powerCon in/out
- high-contrast display for easy checking and setup
- three M10 threads for direct mounting of half-couplers (twist-proof) and variety of rigging options
- two safety-wire attachment point conveniently placed on both sides of the mini-basement.





- **Lightsource and Lens**

60W RGBW Osram Ostar LED with  
860 lm Output, 50.000h, CRI 80

Microfresnellens with great even visibility at plan view  
- for a nice image at backlight or camera view  
without soft filter : focused octagon beams with very  
narrow 3.7° hard edge - great for crispy midair beams

- **Zoom**

very fast 1:10 zoom with flat field wash 4 - 35°  
- for wide wash to narrow soft pin spot

- **Dimming**

Flicker free operation with flexible PWM, smooth electrical  
16bit dimming, electronic strobe, Puls- and Randeffects





- **RGBW – Color Mixing System**

The 60W RGBW Osram Ostar Quad-LED emits deep saturated colors and offers great pastel colors.

- **virtual Colorwheel**

Direct quick access to premixed colors – matched with impression X4 Series

Rainbow and Random Colors

- **CTC – Colortemperature Control**

separate CTC-Channel for electronic color temperature adjustment from 2.500 K - 10.000 K

- **Color rendering**

CRI (RA): 80, TLCI: 80, Rf: 80 Rg:114





## Rigging

#6712	<b>Half Coupler</b> incl. M10x20mm, silver
#6712B	<b>Half Coupler</b> incl. M10x20mm, black
#GT5073-1	<b>Global Truss Selflock Clamp easy</b> , 48-51/30/250kg, silver
#GT5073-1b	<b>Global Truss Selflock Clamp easy</b> , 48-51/30/250kg, black
#87030	<b>Safeking Safety</b> , Ø 3mm, L= 0,6m length, drop-protection, 20kg, silver
#87030s	<b>Safeking Safety</b> , Ø 3mm, L= 0,6m length, drop-protection, 20kg, black

## Power & Data

#84450	<b>powerCon</b> with EU Schuko, 1,5m
#21210	<b>GLP Link Cable</b> , powerCon+DMX5-pin, 0,26m
#21211	<b>GLP Link Cable</b> , powerCon+DMX5-pin, 5m
#21212	<b>GLP Link Cable</b> , powerCon+DMX5-pin, 3m



#7686

**GLP impression FR1** in cardbox  
incl. powerCon with EU Schuko-Plug, 1,5m (#84450)  
(no Omega-Bracket)

#SET650

**GLP impression FR1 Tourpack 6**

6x GLP impression FR1  
6x powerCon with EU Schuko-Plug, 1,5m (#84450)  
6x Half Coupler incl. M10x20mm, black (#6712B)  
1x Copco-Flightcase  
L 660 mm (25.9 in.) x W 580 mm (22.8 in.) x H 610 mm (24 in.) ; tbd. kg (tbd. lbs.)

#SET651

**GLP impression FR1 Tourpack 12**

12x GLP impression FR1  
12x powerCON with EU Schuko-Plug, 1,5m (#84450)  
12x Half Coupler incl. M10x20mm, black (#6712B)  
1x Copco-Flightcase  
L 1200 mm (47.2 in.) x W 580 mm (22.8 in.) x H 610 mm (24 in.) ; tbd. kg (tbd. lbs.)



#SET650

**GLP impression FR1 Tourpack 6**

6x GLP impression FR1

6x powerCon with EU Schuko-Plug, 1,5m (#84450)

6x Half Coupler incl. M10x20mm, black (#6712B)

6x Safeking Safety, Ø 3mm, L= 0,6m length, drop-protection, 20kg, black (#87030s)

1x Copco-Flightcase

L 660 mm (25.9 in.) x W 580 mm (22.8 in.) x H 610 mm (24 in.) ; **tbd. kg (tbd. lbs.)**

#SET651

**GLP impression FR1 Tourpack 12**

12x GLP impression FR1

12x powerCON with EU Schuko-Plug, 1,5m (#84450)

12x Half Coupler incl. M10x20mm, black (#6712B)

12x Safeking Safety, Ø 3mm, L= 0,6m length, drop-protection, 20kg, black (#87030s)

1x Copco-Flightcase

L 1200 mm (47.2 in.) x W 580 mm (22.8 in.) x H 610 mm (24 in.) ; **tbd. kg (tbd. lbs.)**

- |                      |                                   |
|----------------------|-----------------------------------|
| • Demo Prototypes    | 50 units arrived                  |
| • Field Test Units   | no field test                     |
| • Teaser             | done                              |
| • Official Launch    | already launched                  |
| • Pre-orders         | open                              |
| • Ramp-up production | estimated beginning of April 2018 |
| • Shipping           | estimated end of April 2018       |

FOR INTERNAL USE ONLY



## Physical

Diameter Basement	140 mm (5.5 in.)
Width (across yoke)	190 mm (7.5 in.)
Width (head vertical, Zoom out)	264 mm (10.4 in.)
Height (head straight up, Zoom out)	354 mm (13.9 in.)
Minimum center-to-center distance	360 mm (14.2 in.)
Weight	4 kg (8.8 lbs.)

## Dynamic Effects

Color mixing	RGBW, independently variable 0 - 100%
Color temperature control	separate CTO Channel 2500 – 10000K
Color wheel	15 virtual fix colors, Red, Amber, Warm Yellow, Yellow, Green, Turquoise, Cyan, Blue, Lavender, Malve, Magenta, Pink, 3200K, 5600K, 7200K, Rainbow, Random
Dimmer/shutter	16bit electronical dimming 0 - 100%, 3 dimming curves ; regular, random strobe and pulse effects, instant open and blackout
Zoom	10:1 ; 3,7 - 35°
Pan / Tilt	540°/360° continuous Pan , 220° Tilt, position correction system



## Optics

Light source	60 W Osram Ostar RGBW LED
Luminous flux	866 lm @ RGBW 100%, narrow
Color rendering	CRI (RA): 80, TLCI: 80, Rf: 80 Rg:114
Lamp lifetime	50.000 hours to >70% luminous output
PWM	582-618, 1200, 2400, 4800, 9600 Hz
EN 62471 Classification	Risk Group 2

## Control and Programming

DMX channels	16
Setting and addressing	control panel with backlit graphic display
16-bit control	Dimming, Pan and Tilt
DMX compliance	USITT DMX512-A
Transceiver	RS-485
Receiver	Opto-isolated RS-485
Fixture software update	DMX link



## Construction

Color	Black
Housing	impact-proof flame-retardant thermoplastic
Protection rating	IP20

## Installation

Mounting points	3 x M10 threads
Security	2 safety eyelet on basement
Location	Dry location only, standing on rubber feet or fastened to surface or structure
Suitability for use	Indoor
Orientation	any, mounting bar needed for horizontal installation
Min distance to combustible materials	0.1 m (4 in.)
Min distance to illuminated surfaces	0,5 m (19.7 in.)

## Connections

AC power input/output	powerCon socket in and out
DMX data in/out	5-pin locking XLR in and out, Firmware upload

## Electrical

AC power	100-240 V nominal, 50/60 Hz
Power supply unit	Auto-ranging electronic switch mode
Power consumption, min.	14W
Power consumption, max.	80W, <b>cos phi 0,8</b>
Primary fuse	20 mm T 5A
EEC (Energy Efficiency Class)	E
EEL (Energy Efficiency Index)	1.193
Energy consumption (kWh/1 000 h)	68
max. Number of products in Daisy-Chain	16x FR1 @ 100-120V, 60Hz / 32x FR1 @ 200-240V, 50Hz
incl. power cable	US power cable: 16 A, 14 AWG, UL listed, E304117, SJT, 4.9 ft. EU power cable: 16 A, 1.5mm <sup>2</sup> , H05VV-F, 1.5 m

## Thermal

Cooling	Combined convection and forced air (temperature-regulated)
Maximum surface temperature	55°C (131°F)
Ambient temperature (Ta max./min.)	min. 5° C (41°F) / max. 45° C (115°F)
Total heat dissipation (calculated, +/- 10%)	<b>tba.</b>

## Noise Level

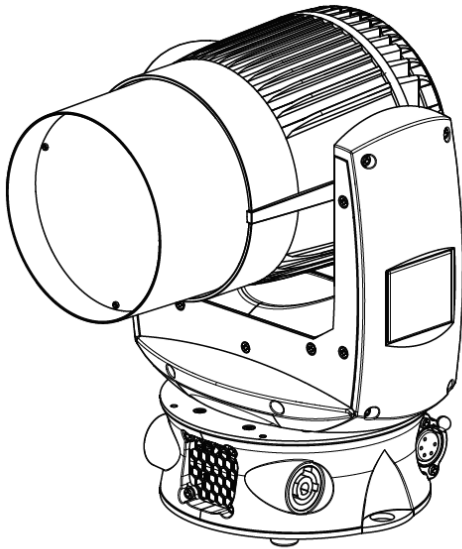
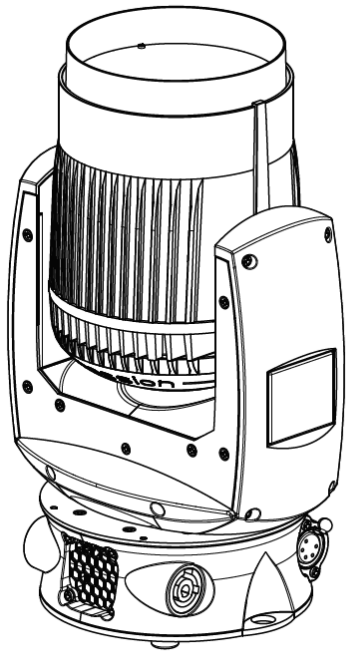
0% Output, no movement, no Effects	<b>tba.</b>
100% Output, no movement, no Effects	<b>tba.</b>



## Approvals

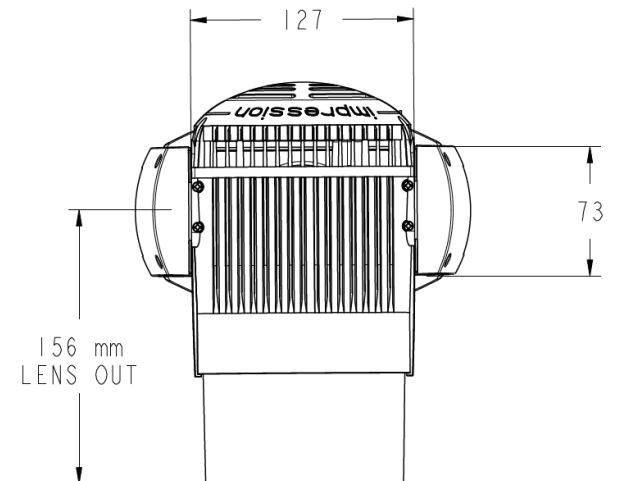
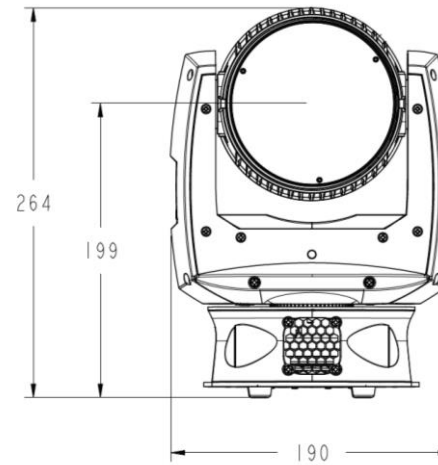
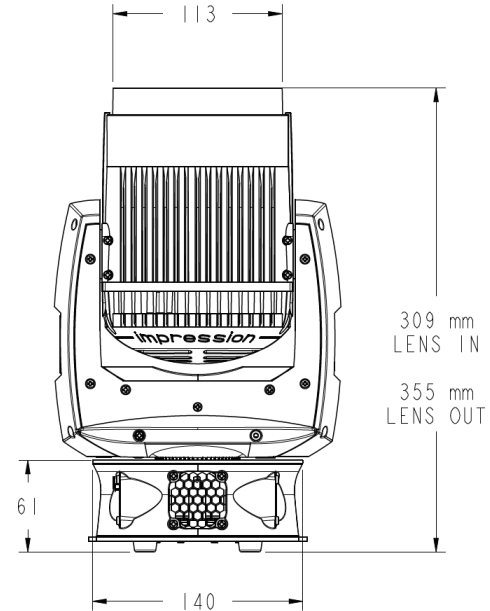
ETL  
EMV

in progress (US)  
in progress (HQ)



Diameter Basement  
Width (across yoke)  
Width (head vertical, Zoom out)  
Height (head straight up, Zoom out)  
Minimum center-to-center distance  
Weight

140 mm (5.5 in.)  
190 mm (7.5 in.)  
264 mm (10.4 in.)  
354 mm (13.9 in.)  
360 mm (14.2 in.)  
4 kg (8.8 lbs.)



PRELIMINARY

PRELIMINARY



#SET650

**GLP impression FR1 Tourpack 6**

L 660 mm (25.9 in.) x W 580 mm (22.8 in.)  
x H 610 mm (24 in.) ; tbd. kg (tbd. lbs.)



#SET651

**GLP impression FR1 Tourpack 12**

L 1200 mm (47.2 in.) x W 580 mm (22.8 in.) x  
H 610 mm (24 in.) ; tbd. kg (tbd. lbs.)

Competitor	Pro	Con
<b>Elation ACL 360i</b> (60W RGBW) Netprice n/a EUR	5,2kg, continuous P/T Rotation, KlingNet/Artnet, RDM	Fix Beam angle 4° (10/45° optional),
<b>Ayrton Magicdot-R</b> (60W RGBW) Netprice n/a EUR	5,3kg, 1800lm, continuous P/T Rotation, RDM	Fix Beam angle 4,5°
<b>Micky Series Beam</b> (60W RGBW) Netprice 399\$	3,5kg	Fix Beam angle 2,5° Beam, no continuous Rotation
<b>Cameo Movo Beam Z100</b> (60W RGBW) UVP 698 EUR / Netprice 599 EUR	6,6kg, continuous P/T Rotation, 4-30° Zoom	

FOR INTERNAL USE ONLY



## GLP impression FR1

- 60 W Osram Ostar RGBW LED, 866 lm @ RGBW 100%, narrow, 50.000h@70% CRI (RA): 80, TLCI: 80, Rf: 80 Rg:114
- PWM 582-618, 1200, 2400, 4800, 9600 Hz
- 16bit electronical smooth dimming 0-100% ; regular, random strobe; pulse effects; 3 dimming curves
- RGBW Color-Mixing-System, virtual color wheel and CTC 2500 – 10.000K
- motorized fast zoom from 3,7° - 35°
- 540°/360° continuous Pan , 229 Tilt, position correction system
- control via graphic display; DMX (16)
- fixture software update via DMX link
- DMX 5-pin in/out
- powerCON in/out ; auto ranging 100-240 V nominal; 50/60 Hz; max. 550 W
- Black impact-proof flame-retardant thermoplastic Housing, Protection rating IP20
- silent temperature-regulated cooling system; different fan modes
- 3 x M10 threads, mounting in any orientation (mounting bar needed for horizontal installation)
- optional accessories: mounting bar
- Diameter Basement 140mm (5.5 in.); Width (across yoke) 190 mm (7.5 in.); Width (head vertical, Zoom out) 264 mm (10.4 in.); Height (head straight up, Zoom out) 354 mm (13.9 in.); Minimum center-to-center distance 360 mm (14.2 in.); Weight 4 kg (8.8 lbs.)

#7686

#SET650

#SET651

**GLP impression FR1**

**GLP impression FR1 Tourpack 6**

**GLP impression FR1 Tourpack 12**



Contact us



/GLP.German.Light.Products



@GLPimpression



Industriestr. 2 76307 Karlsbad



+49 72 48 / 927 19 - 0

