
GLP
IMPRESSION
X5
The next generation of high performance professional LED washlights
X5

IMPRESSION X5

KEY FEATURES

HIGH OUTPUT
up to 12,500 lm
Peak Luminous Intensity of 2 Mcd

ZOOM
super fast Zoom Mechanics
super narrow (3.5°) for punchy beams
homogen wide (60°) without hotspots

COLOR MIXING
high TLCI and TM-30 values
high 16 Bit Resolution
new iQ.Gamut Color Technology

DYNAMIC EFFECTS
Pattern effects
Mutli Layer effects
Pixel mapping

MOVEMENT
Super fast Pan/Tilt Movement
Low noise operation

CONSTRUCTION
compact, lightweight Baseless Design
wide range of mounting options
and service features

NEXT GENERATION HIGH PROFESSIONAL LED WASHLIGHT

The GLP impression X5 is the next generation of high performance, professional LED washlights. Building on the legacy of its highly renowned predecessors, it incorporates cutting edge technology with extensive user input.

The 19 powerful and exclusive 40 Watt LEDs provide enormous power and allow the fixture to penetrate through even the most difficult lighting environments.

The light source at the heart of the impression X5 was developed specifically to offer an expanded and more comprehensive color gamut. Incorporating a brand new algorithm, called iQ.Gamut, the impression X5 is able to deliver accuracy, quality and consistency on every occasion. White points are calibrated perfectly to the black body line and the expanded gamut can be accessed via three different color control modes, depending on user preference. Beyond standard mixing, a virtual color wheel is included with 64 referenced LEE color filters.

Each LED source in the impression X5 can be individually controlled for full pixel mapping effects and a comprehensive effects section is included that has twin layers and many dynamic pattern macros.

Using the new iQ.Gamut algorithm, the impression X5 creates perfectly calibrated white spectrum outputs with CRI 90 at 6,500 Kelvin and the ability to select other fixed white points down to 3,200 Kelvin, maintaining a high CRI of 85+. Color temperature changes to the output – whether in white or color – can be achieved through a separate, dedicated channel. Further settings for comprehensive control are standard and include Magenta/Green-Shift and a Tungsten Simulation mode with 2x5 settings for different simulations.

With new super-fast zoom mechanics, the impression X5 offers a staggering 1:16 range running from a punchy 3.5° to 60° with homogenous light distribution across its entire range and without visible hotspots.

A new front face with a circular design has been conceived to include geometric patterns for great looking effects without any effort.

Featuring GLP's trademark Baseless Design, the impression X5 weighs just 13.3 kg / 29.3 lbs, and since it is able to rig in any orientation with the X5 Bracket, the impression X5 looks elegant in any environment. The impression X5 has been designed for use in live concerts, television, film and broadcast, theatre and musicals, live events, exhibitions, music festivals, houses of worship and other application settings, and can easily be mounted into set pieces.

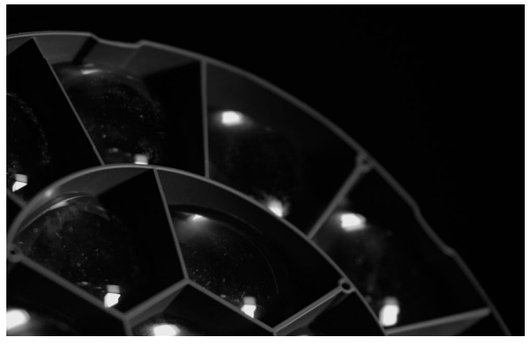
Built-in accessory mountings on the front of the impression X5 allow users to easily add front accessories such as top hats or honeycomb shields.

16-bit movement, with speeds that go from silent to breakneck speed, the impression X5 runs through 540°/650° of Pan and 240° of Tilt with full feedback control.

The impression X5 can be controlled via DMX, ArtNet or sACN and has an integrated Near Field Control Sensor for setup and adjustments from a smart device. Also onboard is a GLP iQ.Service Module, compatible with the GLP iQ.Service App, and the new GLP FPO (Flexible Protocol Option) Port for alternative control protocol options.

Additional features include: variable PWM settings, auto ranging power input, multiple performance modes, failsafe ethernet connectors and much more.

With its meticulous attention to detail, output and control, and with the inclusion of extensive knowledge and market input, the impression X5 truly represents a breakthrough in the professional LED washlight market.



GLP iQ.GAMUT

THE NEW GLP COLOR ALGORITHM FOR BEST RESULTS

Calibration on Pixel Level
A calibration in color and brightness, carried out on pixel level, guarantees exactly the same colors and enables a later recalibration for long-lasting, equivalent performance.

Excellent color control
The farm mix, which is resolved in 16-bit for each color, in combination with high-quality 16-bit dimming, enables the most precise setting options without jerking.

White points
Fully emits a defined white light with 6,500 K color temperature without any extra adjustment or the typical additional effort of making white presets. The light color is therefore ideal for the S350 series. Of course, this fixed white point can also be changed to 8,000 K, 5,600 K, 4,200 K and 3,200 K.

Virtual Color Wheel
The integrated virtual color wheel offers quick access to 64 fixed colors referenced according to LEE color filters with Source C reference light source.

Magenta/Green-Shift
A dedicated 8-bit magenta-green correction channel enables the fixture to be quickly matched to other conventional fixtures on the job.

Color Quality Control
The light spectrum of the impression X5 can be switched to maximum output or the best possible color rendering via a special color quality channel. But that's not all—there is also the possibility to desaturate intensive primary colors or mixed colors with a smooth transition via this channel.

Tungsten Simulation
A new type of Tungsten Simulation channel enables simulation of specific dynamic light scenes with color temperature, color shift and time delay of a tungsten light source such as a 2.5 kW Fresnel or ACL blinder. In addition, this effect can also be applied to any color temperature.

Color Gamut selection
Particularly when using LED fixtures in combination with different camera systems, the extended color space can lead to oversaturation. The emitted color range can be limited to the color spaces Rec709 for HD and Rec2020 for UHD applications via a color space limitation.

CONSTRUCTION AND RIGGING

Round front lens appearance
The new round front lens appearance gives a modern look, especially in backlighting or when taking photos from the front. In combination with the extremely narrow 3.5° optics, the light beam acts as a fat, almost parallel beam.

Lines and ring arrangement of the pixels
The pixels are arranged in a ring as well as in a line, which makes it possible to display ring segments as well as lines and crosses. Beamshaper and MidAir-beam effects also come into play more clearly.

Lot of power with little mass
Despite the enormous power, the fixture has an extremely compact design. The preferred GLP Baseless Design not only offers enormous weight savings but also impresses with its elegant slim appearance especially for applications in the direct camera field next to artists or presenters.

Open for more
The fixture has been designed for future expansion with electromechanical effect modules. In the future, the spotlight will be able to operate various special effects and extended visual effects via quick assembly provisions on the housing and via the integrated power and data socket.

CONTROL & CONNECTIVITY

Dynamic Pattern
For particularly fast work, the X5 offers 50 integrated effect macros, which can be controlled step-by-step or continuously as required. These dynamic pattern effects can be manipulated further via pattern transition and X-Fade. A large number of beam shaper patterns, with and without tulle effect, are available.

Background, Segment control or Pixelmapping
Depending on the application, various control options are available. Basically, the main instances are created identically in almost all modes, which enables easy cloning or exchange. Attached to this main instance, an additional layer can be added as an entire, segmental or individual pixel level background.

Independent Subfixture Mode
Sometimes it is advantageous if the main- and sub-fixtures do not influence each other and the various channel groups of the entities act completely independently, as if they were separate spotlights. To achieve this, the main and sub-instances can be completely separated from each other and controlled like separate lights.

DMX, RDM and failsafe ArtNet, sACN Daisy Chain
The fixture can be controlled via DMX as well as ArtNet and sACN. It offers complete RDM integration for convenient monitoring or other control or service functions. The two etherCON ports in the base are equipped with failsafe technology, which guarantees the continuous data stream even when the device is unpowered.

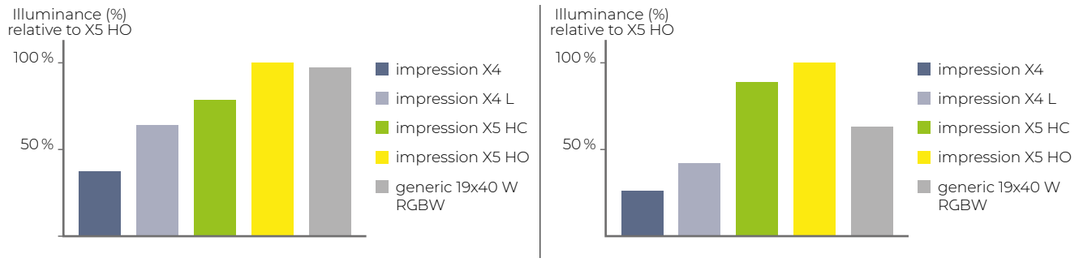
Data Convert (ArtNet to DMX, etc)
Extended configuration options allow an incoming ArtNet or sACN signal to be converted and made available at the DMX output.

GLP FPO port for advanced protocols
The integrated GLP FPO (Flexible Protocol Option) port allows the luminaire to be expanded to include additional data protocols. This means that the headlights can be expanded with a Lumenradio CRMX or similar systems if required.

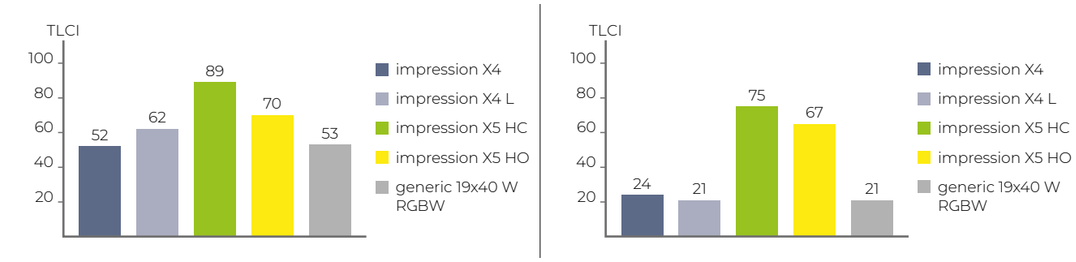
PHOTOMETRICS

AT 5,600 KELVIN | **AT 3,200 KELVIN**

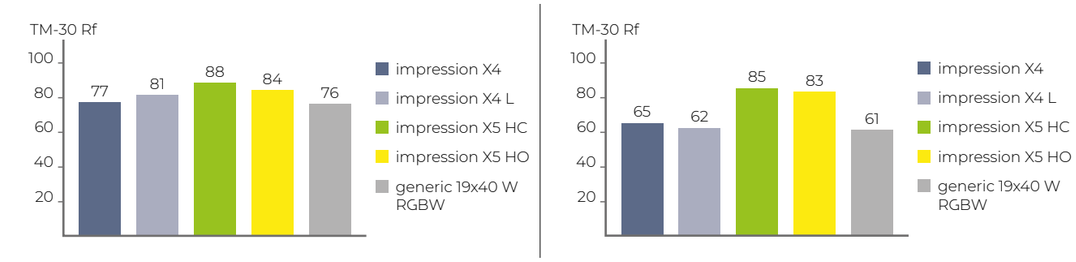
Lumen-Output (compared to other fixtures)



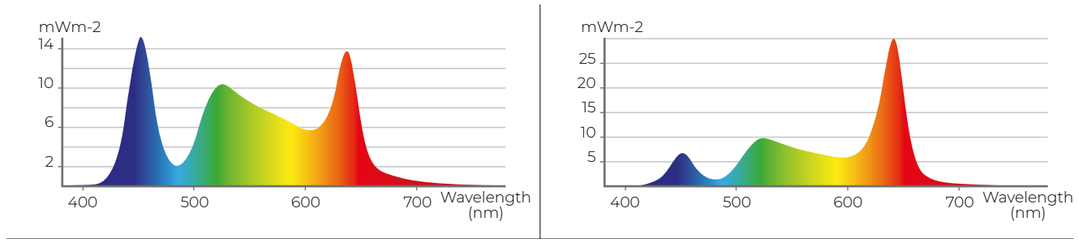
TLCI (compared to other fixtures)



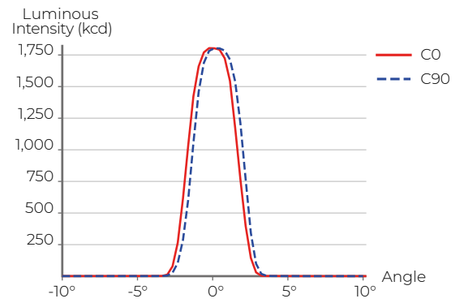
TM-30 (compared to other fixtures)



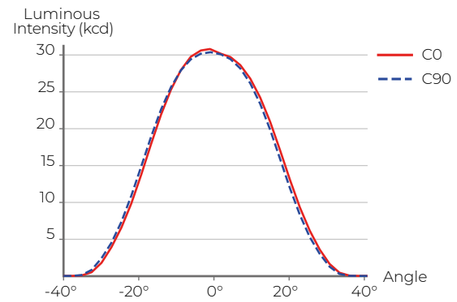
Spectrum



Narrow Beam



Wide Beam



IMPRESSION X5 – TECHNICAL DATA

LIGHT SOURCE

Type	RGBL LED
Power	40 W
Count	19
Lifetime	50,000 h
LED Refresh Rate	Low | Optimal | High 1 | High 2 | Max
CCT	6,500 K
Duv	perfect white point matches with low Duv values
CRI	6,500 K: 90 | 3,200 K: 85
TLCI	6,500 K: 90 | 3,200 K: 75

OPTICAL SYSTEM

Output	up to 12,500 lm
Max. Peak Luminous Intensity	2 Mcd
Min. Zoom	3.5°
Max. Zoom	60°
Zoom Ratio	1:16
Output Lenses	19 lenses with full circular aperature, diameter 260 mm / 10.2 in

Dynamic Effects	
Color mixing	RGB | RGBL | x;y
CTC	2,500 – 10,000 K
CQC	High Output (HO) High Quality (HQ) Desaturation
Color wheel	virtual, 64 LEE referenced colors
Magenta/ Green-Shift	yes
Tungsten Simulation	8x linked to fix CCT | 8x relative to Colormix
Pattern Effects	50 dynamic pattern macros with special effects
Color Mix Priority	different Layer Priority settings
Zoom	3.5° – 60°
Zoom Speed	super fast zoom mechanics
Dimmer	0 – 100 %, 16 bit
Shutter	variable speed, with effects

Movement	
Pan	540° normal, 650° extended, 16 bit
Tilt	240°, 16 bit
Pan / Tilt Movement Speed	Super Fast Pan/Tilt Movement

CONTROL & PROGRAMMING

DMX Channels	M1: CH24 | M2: CH35 | M3: CH41 | M4: CH89 | M5: CH70
Control Modes	6
Protocols	DMX (USITT DMX512-A) | RDM (ANSI/ESTA E1.20) | Art-Net | sACN | GLP iQ.Mesh | LumenRadio CRMX (optional)
High-Res Channels	Pan | Tilt | Intensity | Colormix
Dimming Curves	Linear | Soft | S-Curve
Performance Modes	Fast | Normal (Balanced) | Smooth
Fan Modes	Regulated | High | Medium | Low | Off
Subfixture Mode	Normal | Independent
White Points	8,000 K | 5,600 K | 4,200 K | 3,200 K
iQ.Gamut Farbräume	Rec.709 | Rec.2020 | DCI P3.65
PWM	Low | Optimal | High 1 | High 2 | Max
Setting and addressing	backlit graphic LCD | 4 Button Menu Navigation | DMX | RDM | iQ.Service App
Others	1 Scene Stand Alone | Art-Net/ sACN Node | Data Conversion | GLP iQ.Mesh | FPO Port (Flexible Protocol Option) | SW Fixture2Fixture Push
Firmware Update	DMX Link via DProg | GLP iQ.Mesh | Fixture2Fixture Push

CONNECTIONS

Power connection	Neutrik powerCON True1 In/Out
Signal connection	Neutrik XLR 5-Pin In/Out | Neutrik etherCON port A & B (failsafe) | GLP FX.Port

ELECTRICAL SPECIFICATIONS

Power input	100 – 240 V AC / 50 – 60 Hz
Power supply unit	Auto-ranging electronic switch mode
Max. Power	710 W

THERMAL SPECIFICATIONS

Cooling Type	combined convection and forced air
Temperature range, Operating	5 °C – 45 °C / 40 °F – 113 °F
Thermal Protection	automatic
Total heat dissipation	2,650 BTU/hr

INSTALLATION

Mounting	1 pair of 1/4-turn locks | 2x Safety Cable attachment point | 1x M10 Screw Thread for direct mount of Rigging Clamp
Orientation	Any
Location	Indoor permanent

CONSTRUCTION

Housing color	Black
Material	High-impact flame-resistant thermoplastic | Aluminum | Steel
Protection Rating	IP 20
Construction Features	prepared for external accessories (Egg Crate; Tubus, electromechanical modules, etc) | baseless design

SHIPPING

Single fixture	Carboard
Tourpack	4-way

DIMENSIONS & WEIGHT

Height Head home Head 90°	 402 – 434 mm / 15.83 – 17.09 in 457 mm / 18 in
Width across yoke	415 mm / 16.4 in
Depth Head home Head 90°	 290 mm / 11.4 in 184 – 216 mm / 7.3 – 8.5 in
Weight netto	13.3 kg / 29.3 lbs

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