

# HIGHLANDER

WASH



## Key Facts

- Powerful Wash light with 1400 W OSRAM Lok-it! 1400/PS Brilliant
- impressive 230 mm Fresnel Front Lens for big beams
- very punchy 5.5° beam with up to 63° soft wash
- natural colors based on a great light source spectrum
- saturated colors for impressive colored scenes
- full close able advanced 4 Blade Framing for precise framing and curtain effects
- very fast Pan/Tilt movement
- super compact baseless design
- with only 29.5 kg the lightest of its class

## THERE CAN BE ONLY ONE

The HIGHLANDER Wash from GLP is a singular fixture that brings a new level of high performance, high output and high quality from a compact discharge source fixture with a superior optical system.

Using a 1,400 Watt lamp and outputting through a large 230 mm (9 inch) front lens, the GLP HIGHLANDER Wash delivers a truly massive light output, without ever sacrificing quality. With a native color temperature of 6000K, the Highlander optics have CRI, CQS and TM-30 quality indices all measuring 90 and above.

The HIGHLANDER Wash's high output optical system features a 7 to 1 ratio zoom with a range from a tight 5 degrees, out to 44 degrees beam and 10 to 63 degrees field angle.

Beam control is available through a full feature framing system. This framing system gives 4 blade control with each blade being able to tilt on its axis and cross the entire beam like a curtain. With separate control over each blade, the beam can be controlled down to the finest detail, and recalled in an instant. The entire beam framing system can also be rotated through a 90 degree range for optimum control.

A glass, dichroic based cyan, magenta, yellow color system gives a full color pallet from the softest pastel shades to full saturation, and anything in between. This is supported

by two separately controlled color wheels, each with 7 color positions plus open. The whole color output can also be temperature control anywhere from 2700K to 6000K using a further separate dichroic based CTO system.

All combined, this gives the GLP HIGHLANDER Wash a comprehensive color range adaptable to any color temperature environment that it gets placed in.

Additional control features of the HIGHLANDER Wash include smooth dimming with multiple user-selectable curves, separate shutter control with built in macros, fast 16 bit pan and tilt movement and an ECO operating mode.

The GLP HIGHLANDER Wash is designed with a compact, baseless design that allows the unit to be hung in any orientation. Power is connected via Neutrik True1, whilst data is connected via 5 pin XLR or Ethernet, with DMX, Art-NET or sACN as available control options.

The HIGHLANDER Wash runs flicker free and has numerous additional convenience features including a battery powered control system for addressing and configuration without mains power; an auto sensing power supply; 4 carrying handles and a comprehensive set of rigging options. This, combined with its low weight of just 29.5 kg (65 lbs.), make the GLP HIGHLANDER Wash a truly versatile work-horse.

# Technical Data\* (1/2)

## LIGHT SOURCE

Light Source Type	OSRAM Lok-it! 1400/PS Brilliant
Light Source Power	1,400 W
Light Source Lifetime	750 h (L70)
CCT	6,000 K
CRI (Ra)	95+
CQS	95+
TLCI	95+
TM-30 Rf	95+
TM-30 Rg	90+

## OPTICAL SYSTEM

Total Output	23,000 lm
min. Zoom	4° beam angle (50%)
max. Zoom	61° field angle (10%)
Zoom Ratio	1:7
Focus	2m / 6.6 ft – infinity, motorized
Focus tracking	off, near, medium, far
Output Lens Diameter	230 mm / 9 in

## DYNAMIC EFFECTS

Color mixing	fully Variable CMY, fixed colors
Color temperature control	variable CTO, 2,700 K – open
Color wheel 01	7 x dichroic filters + open, indexing, continuous
Color wheel 02	7 x dichroic filters + open, indexing, continuous
Framing	4 individual framing shutters with +/- 30° pitch control each, each blade covers 100% of the beam, additional gate rotation of 45°
Iris	virtual via Framing System
Performance Modes	fast, medium, smooth
Fan Modes	regulated, high
Dimmer / Shutter	0 – 100 % continuous mechanical dimming, regular and random strobe and pulse effects, instant open and blackout, separate mechanical shutter
Pan	670°
Tilt	264°

## CONTROL AND PROGRAMMING

DMX channels	26
Control Modes	1
Control Protocols	DMX (USIIT DMX512-A), RDM (ANSI/ESTA E1.20), Art-Net, sACN, Lumenradio CRMX DMX/RDM (optional)
High-Res Channels	Dimming, Pan, Tilt
Dimming Curves	linear, soft
Performance Modes	fast, medium, smooth
Fan Modes	regulated, high
Focus Tracking	off, near, medium, far
Framing Control Modes	P/I, L/R
Setting and addressing	control panel with backlit graphic display, Jog Dial Navigation, DMX, RDM
Others	Stand Alone Scene, Eco Lamp Mode, Auto Lamp On, manual options
Firmware Update	DMX Link via DProg

## CONNECTIONS

Power connection	Neutrik powerCON TRUE1 In
Signal connection	XLR 5-Pin In/Out, Neutrik etherCON In

## ELECTRICAL SPECIFICATIONS

Power input	100 – 240 V AC nominal, 50/60 Hz
Power supply unit	auto-ranging electronic switch-mode
Fuse	T15A 250 V 6x32mm
Max. number of products per current line	1 x HIGHLANDER Wash @ 100 – 120 V, 60 Hz 2 x HIGHLANDER Wash @ 200 – 240 V, 50 Hz
Incl. power cable	US: 16 A, 14 AWG, UL listed, E304117, SJT, 4.9 ft EU: 16 A, 1.5 mm <sup>2</sup> , H05VV-F, 1.5 m
Max. power (@230 V)	1,750 W, 7.6 A, PF >0.9
Typ. power (@230 V)	1,750 W, 12 A
EEC	B
EEI	0.82
Ec (kWh/1,000h)	1173.0

## THERMAL SPECIFICATIONS

Cooling Type	Combined convection and forced air
Max. surface temperature (Ta = 40 °C)	100 °C / 212 °F
Max. ambient temperature (Ta max.)	45 °C / 115 °F
Min. ambient temperature	5 °C / 40 °F

# Technical Data\* (2/2)

(Ta min.)

Total heat dissipation  
(calculated, +/- 10%) 5980 BTU's/h

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## INSTALLATION

Mounting	2x M10 Screw Thread(s), 2 pairs of 1/4-turn locks, 2x safety cable attachment point
Orientation	Any
min. distance to combustible materials	1 m / 3.3 ft
min. distance to illuminated surfaces	8 m / 26.3 ft
Location	Dry location only

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## CONSTRUCTION

Housing Color	Black
Housing Material	High-impact flame-resistant thermoplastic, Aluminium, Steel Metal Plates
Protection Rating	IP20
Construction Features	Baseless design, integrated yoke handles, Tilt-Lock-System, modular slide in construc- tion, service friendly filter system, service friendly light source change

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## DIMENSIONS & WEIGHT

Height (Head straight up)	724 mm / 28.6 in
Height (Head vertical)	773 mm / 30.5 in
Width (across yoke)	492 mm / 19.4 in
Depth (head straight up)	773 mm / 30.4 in
min. center-to-center distance	730 mm / 28.8 in
Weight (netto)	29.5 kg / 65.1 lbs

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## APPROVALS AND CLASSIFICATIONS

EN 62471 Classification	Risk Group 2
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