

# Photometric Report

impression<sup>®</sup>  
*Spot* *one*



**GERMAN LIGHT  
PRODUCTS**

— since 1994 —

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# Impression Spot One Photometric Report

<b>Manufacturer:</b>	GLP German Light Products GmbH, Im Stöckmädle 13, 76307 Karlsbad, Germany	
<b>Product:</b>	Impression Spot One	
<b>Photometric Procedure:</b>	Date:	13.04.2011
	Throw distance:	5m
Room Temperature:	25°C	
Electrical Supply:	U = 230 V AC / f = 50Hz	
Electric Tension:	U = 230 V	
Current Draw:	I = 2,106 A	
Power consumption:	530W (RGB Full On)	
Efficiency Factor:	PF= 0,976	
Luminarie efficiency:	100%	

**Data:****Zoom minimum**

Half-Peak Angle:	9,8°
Luminance Center Beam RGB Full on:	7062 Lux / 4076 Lumen
Luminance Center Beam Red Full on:	2018 Lux / 1165 Lumen
Luminance Center Beam Green Full on:	4125 Lux / 2400 Lumen
Luminance Center Beam Blue Full on:	970 Lux / 560 Lumen
Color Temperature White:	3200 Kelvin – 13000 Kelvin

**Zoom maximum**

Half-Peak Angle:	32°
Luminance Center Beam RGB Full on:	1257 Lux / 4056 Lumen
Luminance Center Beam Red Full on:	350 Lux / 1151 Lumen
Luminance Center Beam Green Full on:	712 Lux / 2380 Lumen
Luminance Center Beam Blue Full on:	176 Lux / 552 Lumen

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**1 Technical Specifications**

<b>Power supply</b>	
<b>Power consumption</b>	700 VA (Watt)
<b>Power input</b>	Auto sensing 100-240 V AC, 50-60 Hz
<b>Fuse protection</b>	Micro-fuse 6.3x32 mm, T8A
<b>Operational Parameters</b>	
<b>Max. ambient temp.</b>	45°C / 113°F (integrated overheating switch)
<b>Mounting position</b>	Any (See Mounting chapter)
<b>Lighting System - Additive Color mixing</b>	
<b>LED type</b>	400W RGB LED Chipset
<b>Lifetime</b>	20.000 h
<b>Shutter / Dimmer (8/16 Bit)</b>	
Strobe Effect with variable speed between 1 & 50 flashes per second, Random strobe, Pulse effects	
Continuous dimmer 0 - 100%	
<b>Prism (8 Bit)</b>	
Rotating 3-facet prism, bi-directional and variable in speed	
<b>Focus (8/16 Bit)</b>	
Motor driven focus from near (2 mtr.) to infinity	
<b>Iris (8Bit)</b>	
High speed iris 100% - 4% (0,2 Sec. opening time)	
<b>Effect wheel (8/16 Bit)</b>	
Rotating and indexable effect wheel, bi-directional and variable in speed. Interchangeable for different patterns	
<b>Zoom (8/16 Bit)</b>	
Zoom range 10° - 32°	
<b>Gobos (8/16 Bit)</b>	
Gobo wheel 1 & 2: each 7 interchangeable rotating and indexed gobos plus open, variable speed and bi-directional	
Gobo dimensions: Glass gobo thickness: 1.1 - 3.0mm Aluminium gobo thickness: 0.5mm / Outside diameter: 27 mm / Image size: max. 20 mm. For customized gobos like company logos and text the recommended image size is 18 mm.	

<b>DMX Control</b>	
Standard USITT DMX-512, 3/5 pole XLR; [+] = Pin 3 [-] = Pin 2 [Ground] = Pin 1.	
<b>Pan / Tilt (8/16 Bit) - 3 phase stepper motor</b>	
<b>Pan- movement</b>	<b>540° (Position Feedback)</b>
<b>Tilt- movement</b>	<b>280° (Position Feedback)</b>
<b>Weights and Measures</b>	
<b>Width of the base</b>	<b>472 mm / 18.6 inch.</b>
<b>Length of the base</b>	<b>230mm / 9 inch.</b>
<b>Height (head vertical)</b>	<b>618mm / 24.3 inch.</b>
<b>Fixture weight</b>	<b>23 kg / 50.7 lbs.</b>
<b>Floor stand weight</b>	<b>2 kg / 4.4 lbs.</b>

