

# Photometric Report

impre**XL**sion<sup>®</sup>



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# Impression 240 XL RGBWWC 25° – Photometric Report

GLP R&D Center Germany, 15.07.2010

**Manufacturer:** GLP German Light Products GmbH, Im Stöckmädle 13,  
76307 Karlsbad, Germany

**Product:** Impression 240 XL RGBWWC 25°

## Light Source:

**Model:** Philips Lumileds Luxeon K2 LED  
**Configuration:** 50 x red, 50 x green, 56 x blue, 54 x warm white, 30 x cold white LEDs  
color LED in RGB array configuration  
**Rated Service Lifetime:** 50000 h

## Power Supply:

**Power supply:** Electronic, built in  
**Power Factor:** 0.971

## Test conditions:

**AC supply:** U = 230 V AC / f = 50Hz  
**Lens Option:** 25°  
**Frost Filter Option:** no  
**Room Temp.:** 25°C  
**Position:** horizontal  
**Symmetry:** rational  
**Efficiency factor:** 100%

## Photometric Procedure:

**Date:** 15.07.2010  
**Goniometer Model:** LMT GO-DS 2000 automated Goniometer  
**Measurement Method:** DIN EN 13032-1 / C-Layer Measurement dC15° dG0,5°  
**Throw distance:** 14,56m  
**Data File Format:** according to ANSI/IESNA LM-63-02  
**File Name:** Impression 240 XL RGBWWC 25°red.ies  
Impression 240 XL RGBWWC 25°ies

**Output:**

Total:  $\gamma$  90° = 10742,68 lumens  
 $\gamma$  0° = 5551 cd/klm

Red only:  $\gamma$  90° = 1912 lumens  
 $\gamma$  0° = 5394 cd/klm

**Electric Variable:**

Power Consumption: P = 576 W  
Current Draw: I = 2,57 A

Power Consumption: P = 181 W  
Current Draw: I = 0,88 A

**Luminaire Type:** Multiple-lamp Far-field luminaire  
**Luminaire efficacy:** 18.7 lm/W  
**Intended throw:**  $\geq$  3m

**Ambient Temperature Limits:** 0°C – 45°C

**Dimension (L x W x H):** 360 x 521 x 450 mm

**Dimension Lens (H x Ø):** 31 x 350 mm

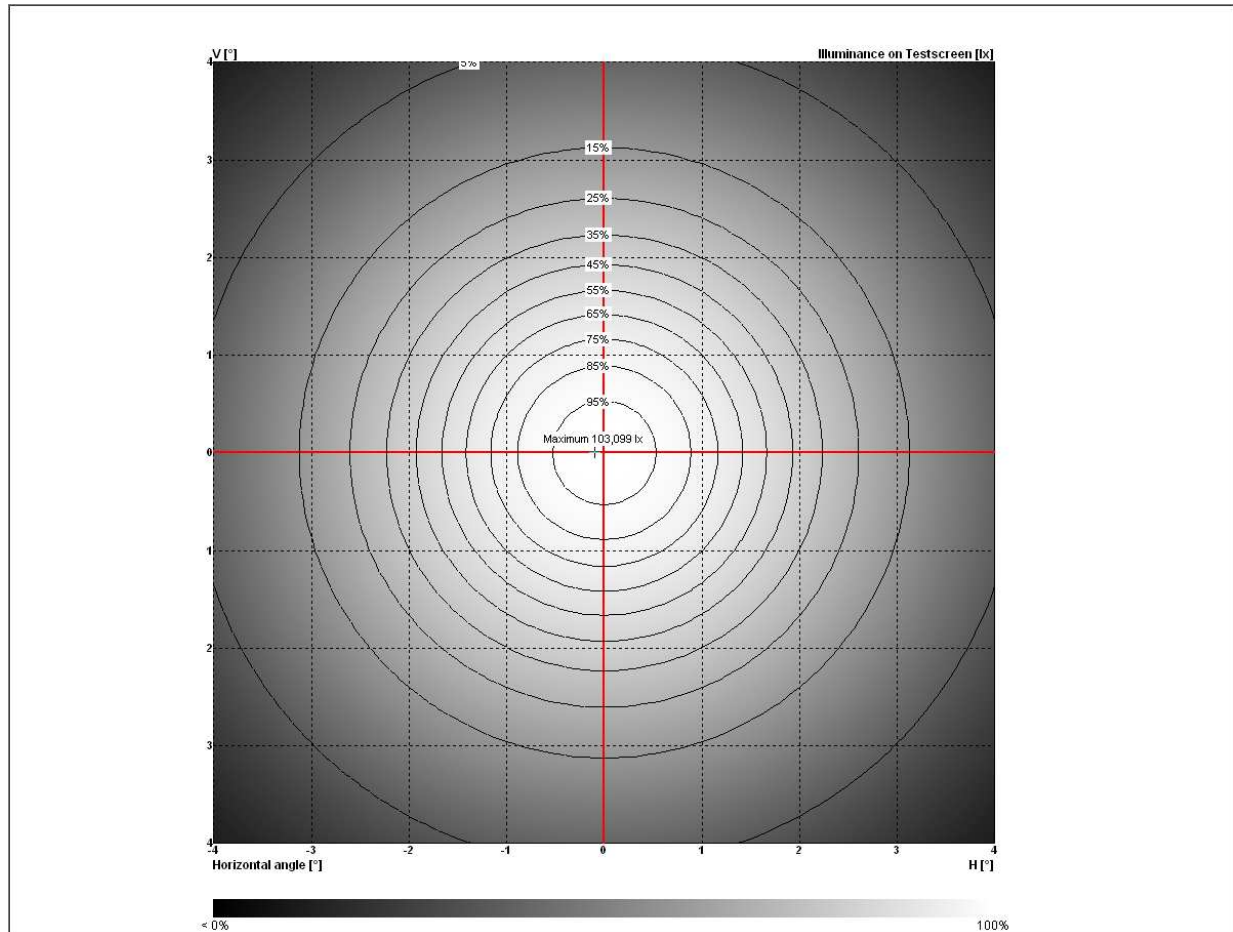
**Weight:** 23.5 Kg

**Approvals:** Din EN ISO/IEC 17025:2005, EN 60598-1, EN 60598-2-17,  
EN 55 015, EN 55 103, EN 61 000-3  
ANSI/UL 1573, CSA C22.2 No. 166

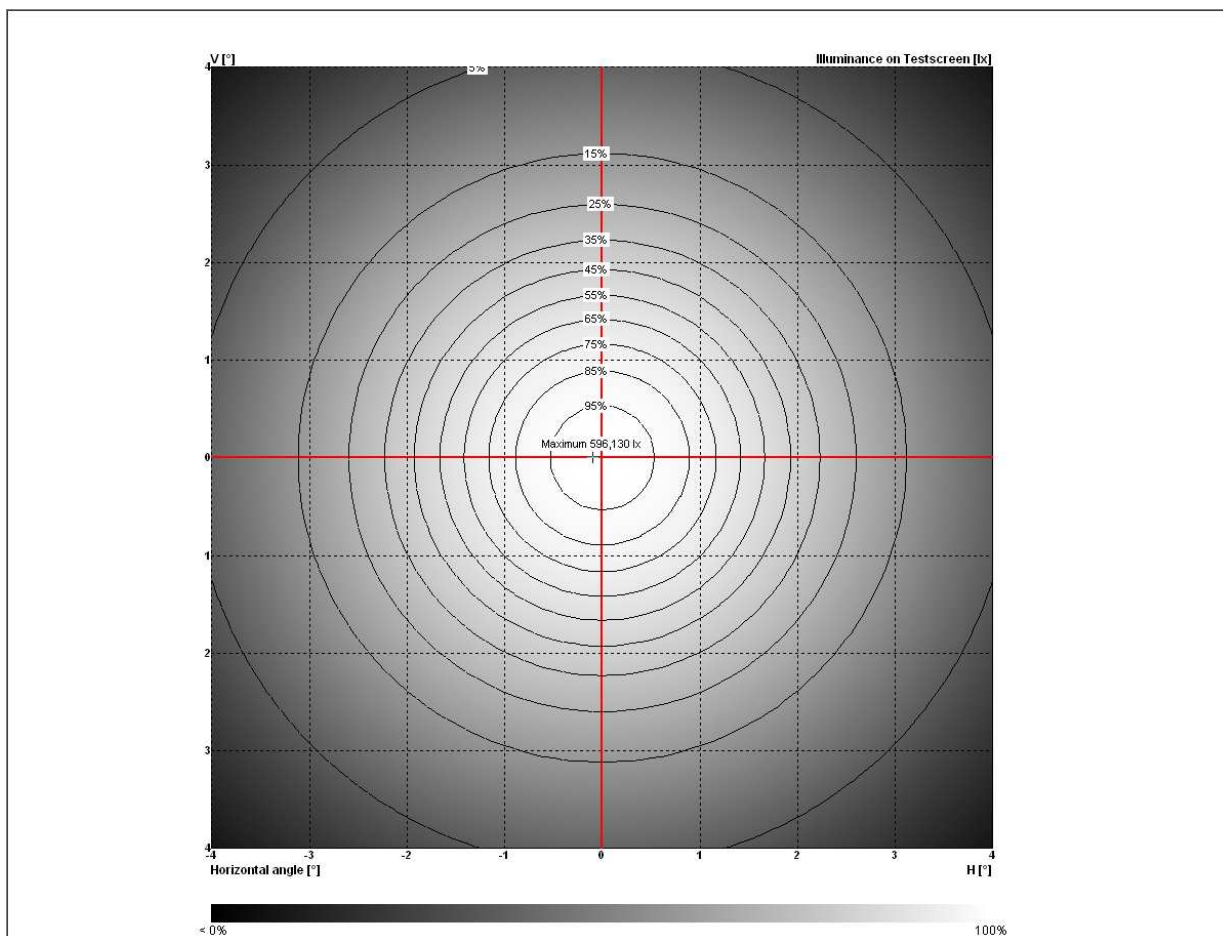
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## Illuminance distribution diagram

Red



## White



## Polarcurve diagrams:

Red

