

Photometric Report

impre**XL**sion[®]



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Impression 240 XL RGBWWC 10° – 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 10°

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: 0.972

Test conditions:

AC supply: U = 230 V AC / f = 50Hz
Lens Option: 10°
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 10°red.ies
Impression 240 XL RGBWWC 10°.ies

Output:

Total: γ 90° = 11668 lumens
 γ 0° = 19283 cd/klm

Red only: γ 90° = 2097 lumens
 γ 0° = 19384 cd/klm

Electric Variable:

Power Consumption: P = 577 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: 20.2 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

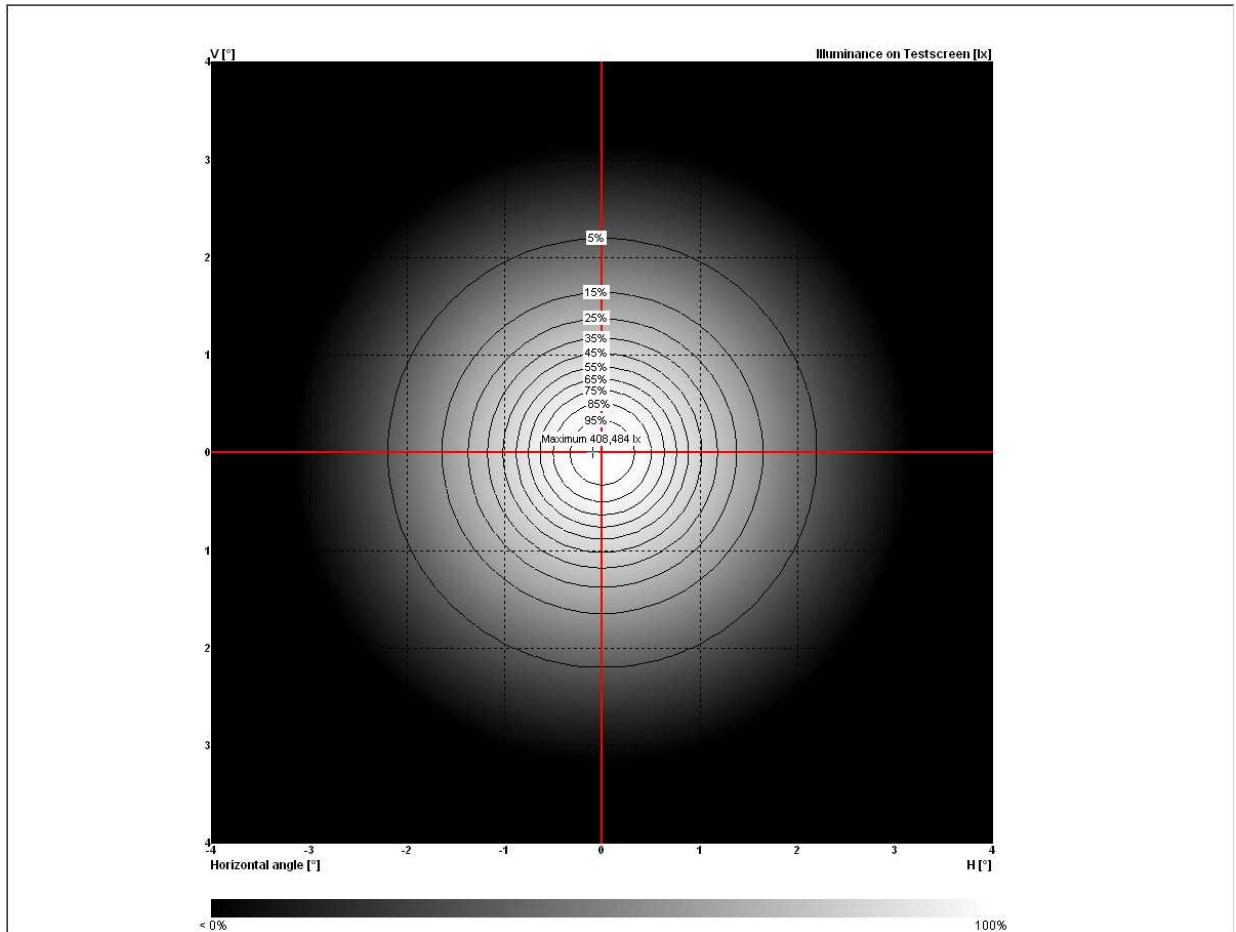
Weight: 23.5 Kg

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

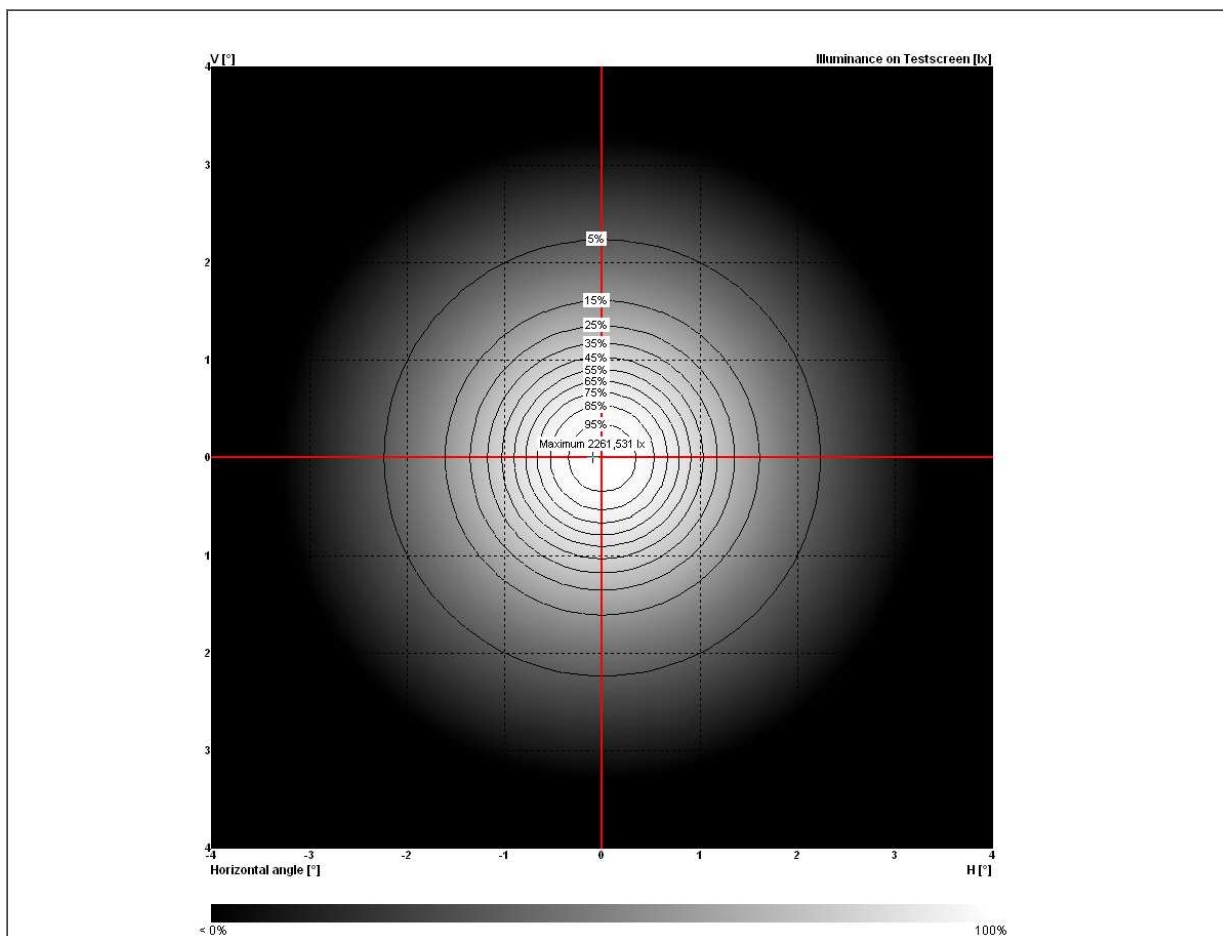
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Illuminance distribution diagram

Red

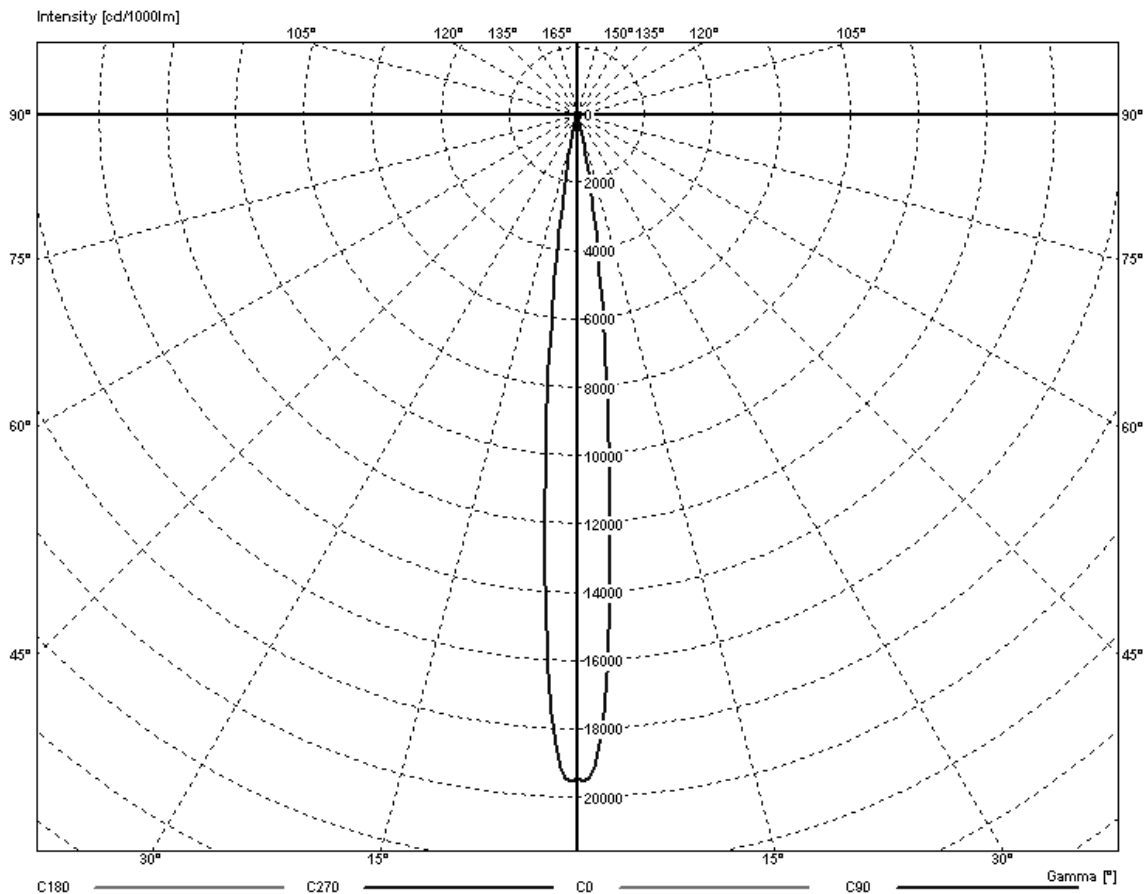


White



Polarcurve diagrams:

Red



White

