

Photometric Report



W-A 10°



impression



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Impression 90 White-Amber 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 90 WA 10°

Light Source:

Model: Philips Lumileds Luxeon K2 LED
Configuration: 60 x cold white , 30 x amber LED in WA array configuration
Rated Service Lifetime: 50000 h

Power Supply:

Power supply: Electronic, built in
Power Factor: 0.987

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 90 WA amber.ies
Impression 90 WA white.ies
Impression 90 WA full on.ies

Output:

Total: γ 90° = 7509 lumens
 γ 0° = 22659 cd/klm

White only: γ 90° = 7389 lumens
 γ 0° = 22711 cd/klm

Amber only: γ 90° = 851 lumens
 γ 0° = 21953 cd/klm

Electric Variable:

Power Consumption: P = 379,9 W
Current Draw: I = 1,67 A

Power Consumption: P = 333 W
Current Draw: I = 1,46 A

Power Consumption: P = 95,5 W
Current Draw: I = 0,434 A

Luminaire Type: Multiple-lamp Far-field luminaire

Luminaire efficacy: 19.8 lm/W

Intended throw: \geq 3m

Ambient Temperature Limits: 0°C – 45°C

Dimension (L x W x H): 234 x 340 x 320 mm

Dimension Lens (H x Ø): 30 x 224 mm

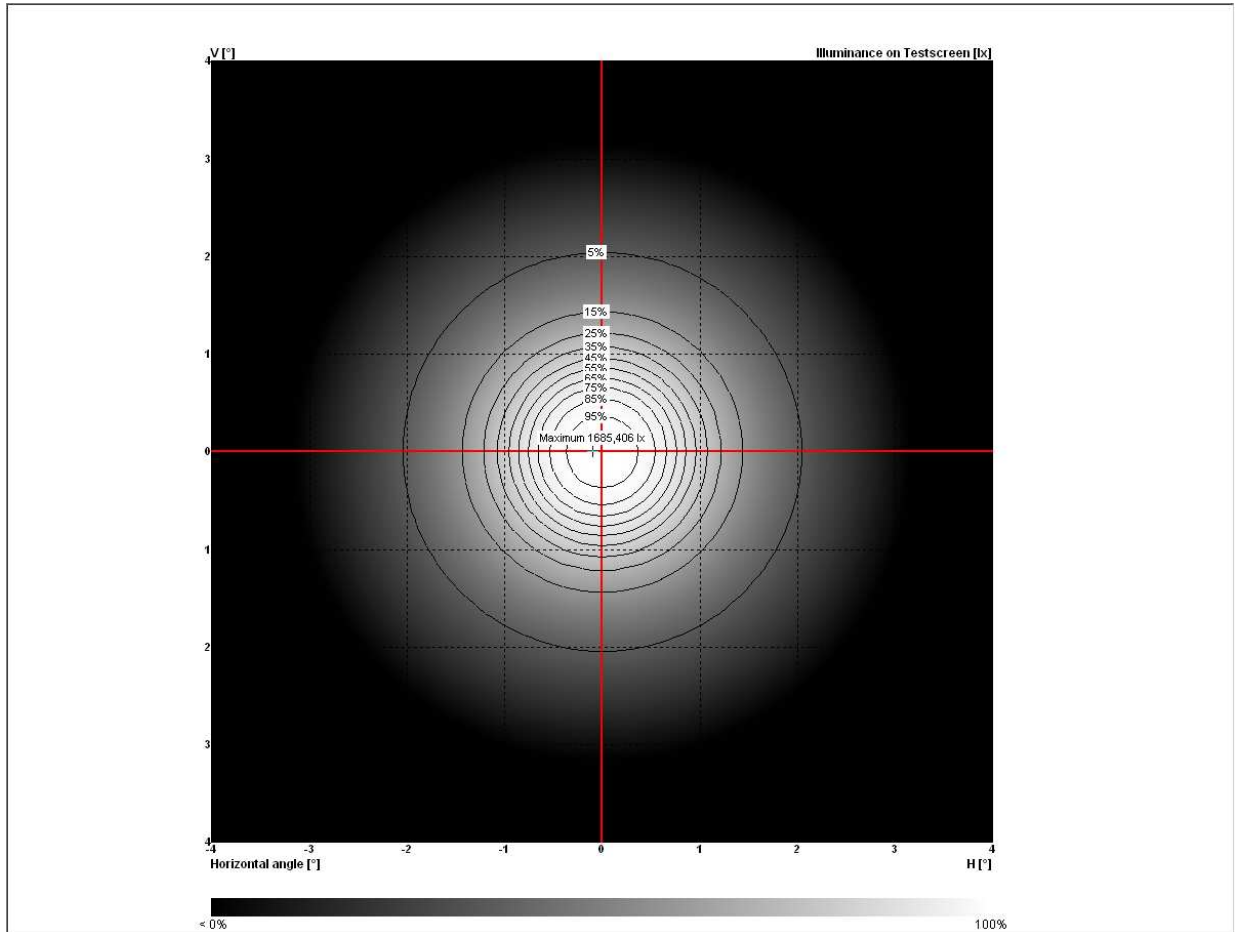
Weight: 7.5 Kg

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

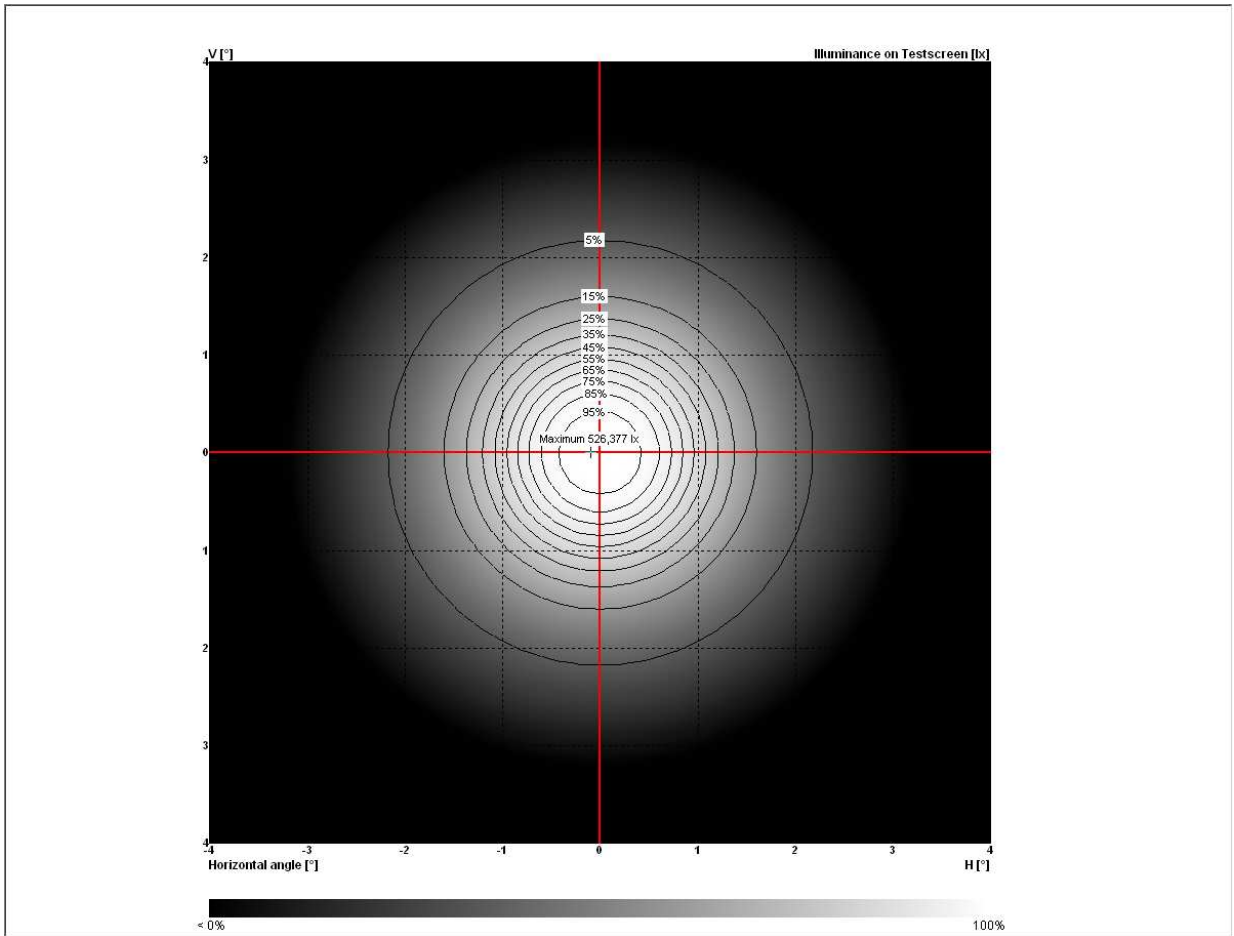
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Illuminance distribution diagram

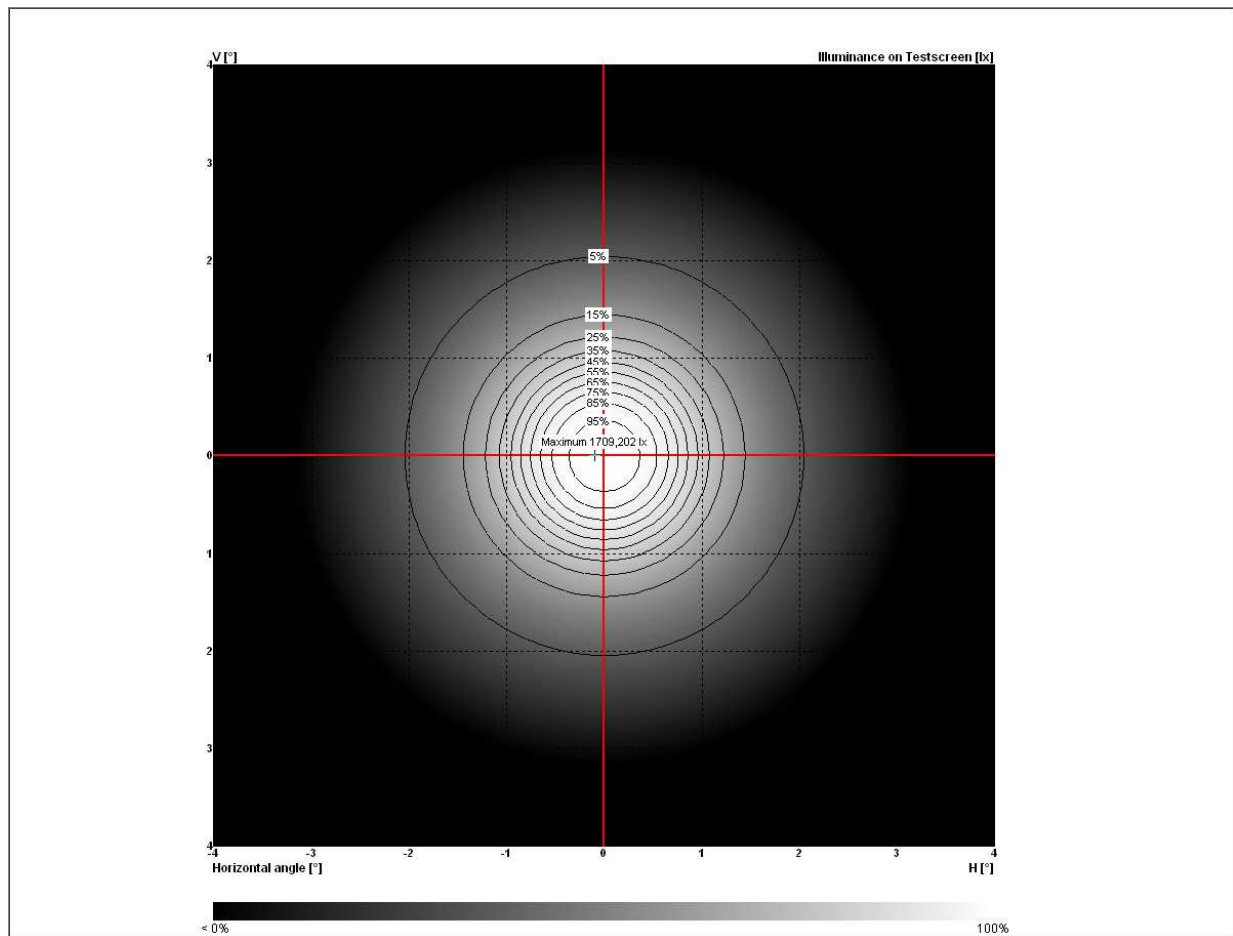
White



Amber

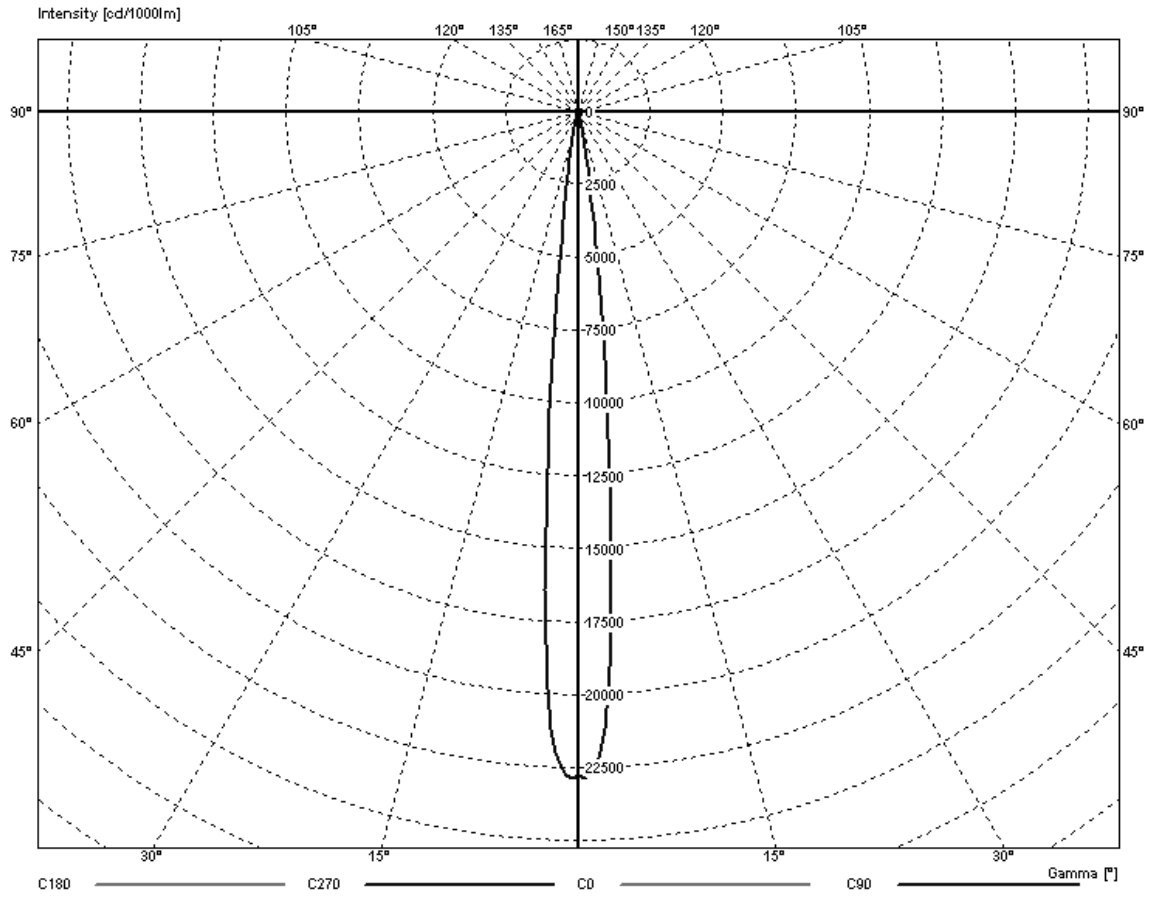


Full on

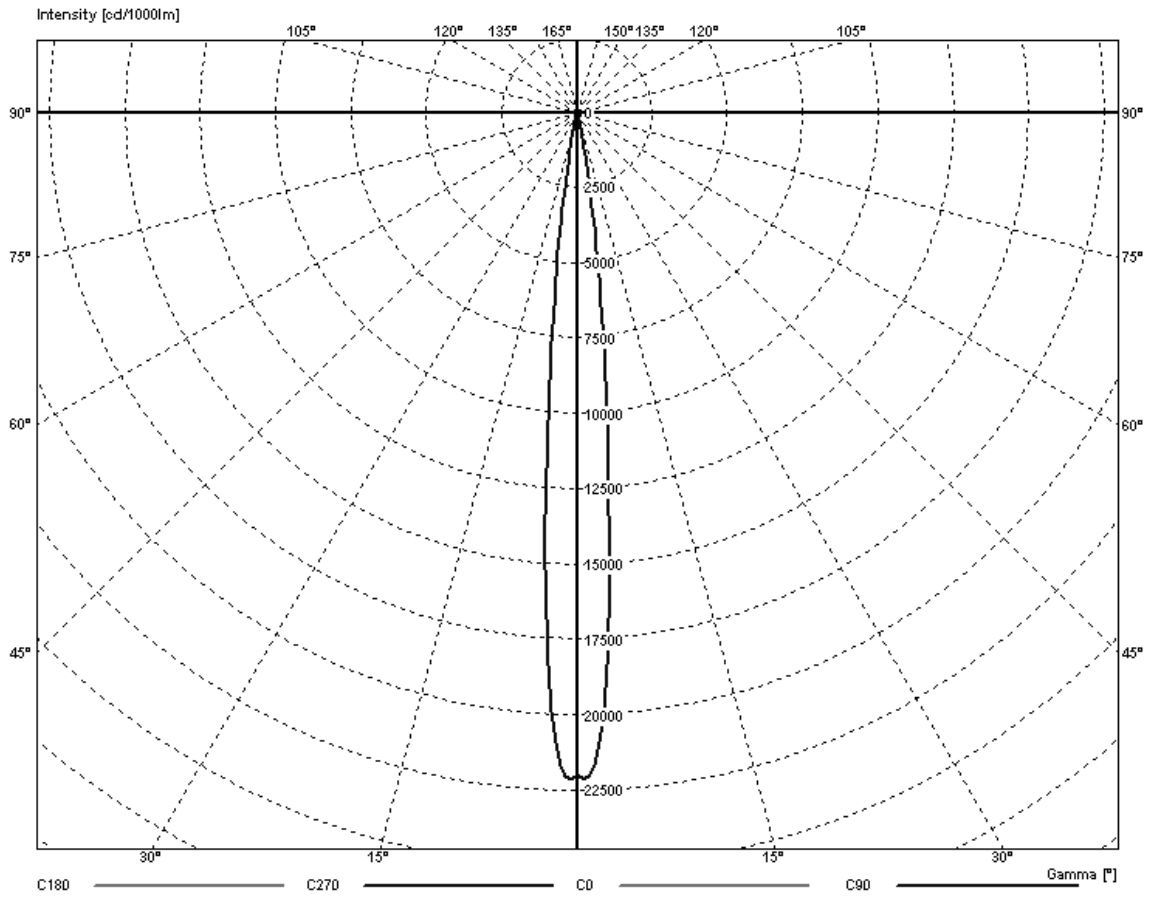


Polarcurve diagrams:

White



Amber



Full on

