Photometric Report

impressionXL

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since 1994

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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℃
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 dC15º 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

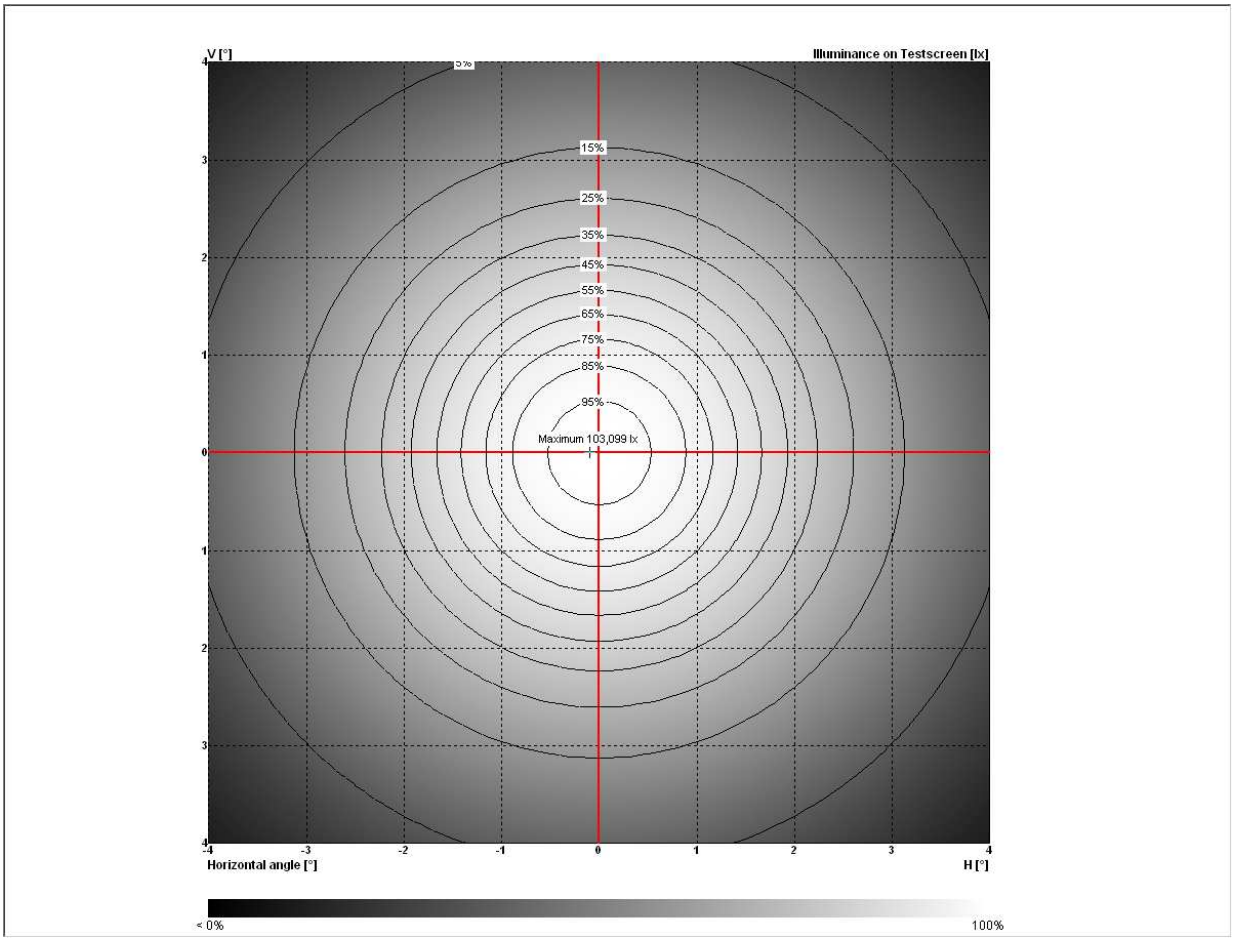
Output:		**Electric Variable:**	
Total:	γ 90° = 10742,68 lumens γ 0° = 5551 cd/klm	Power Consumption: Current Draw:	P = 576 W I = 2,57 A
Red only:	γ 90° = 1912 lumens γ 0° = 5394 cd/klm	Power Consumption: Current Draw:	P = 181 W I = 0,88 A

Luminaire Type: Multiple-lamp Far-field luminaire
Luminaire efficacy: 18.7 lm/W
Intended throw: >= 3m

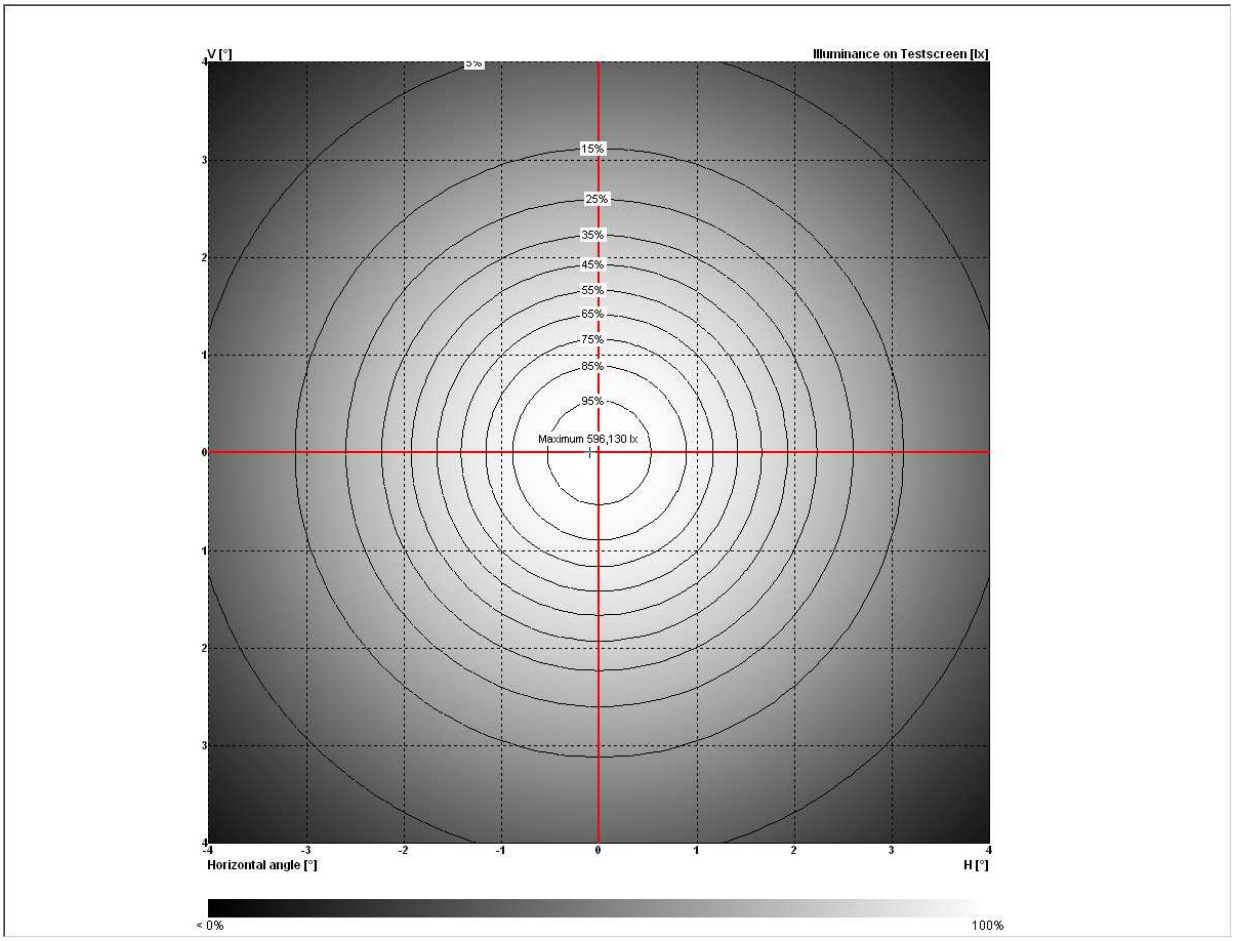
Ambient Temperature Limits: 0℃ – 45℃
Dimension (L x W x H): 360 x 521 x 450 mm
Dimension Lens (H x Ø): 31 x 350 mm
Weight: 23.5 Kg
Approvals: Din EN ISO/IEC 17025:2005, EN 60598-1, EN 60598-2-17, EN 55 015, EN 55 103, EN 61 000-3
ANSI/UL 1573, CSA C22.2 No. 166

Illuminance distribution diagram

Red

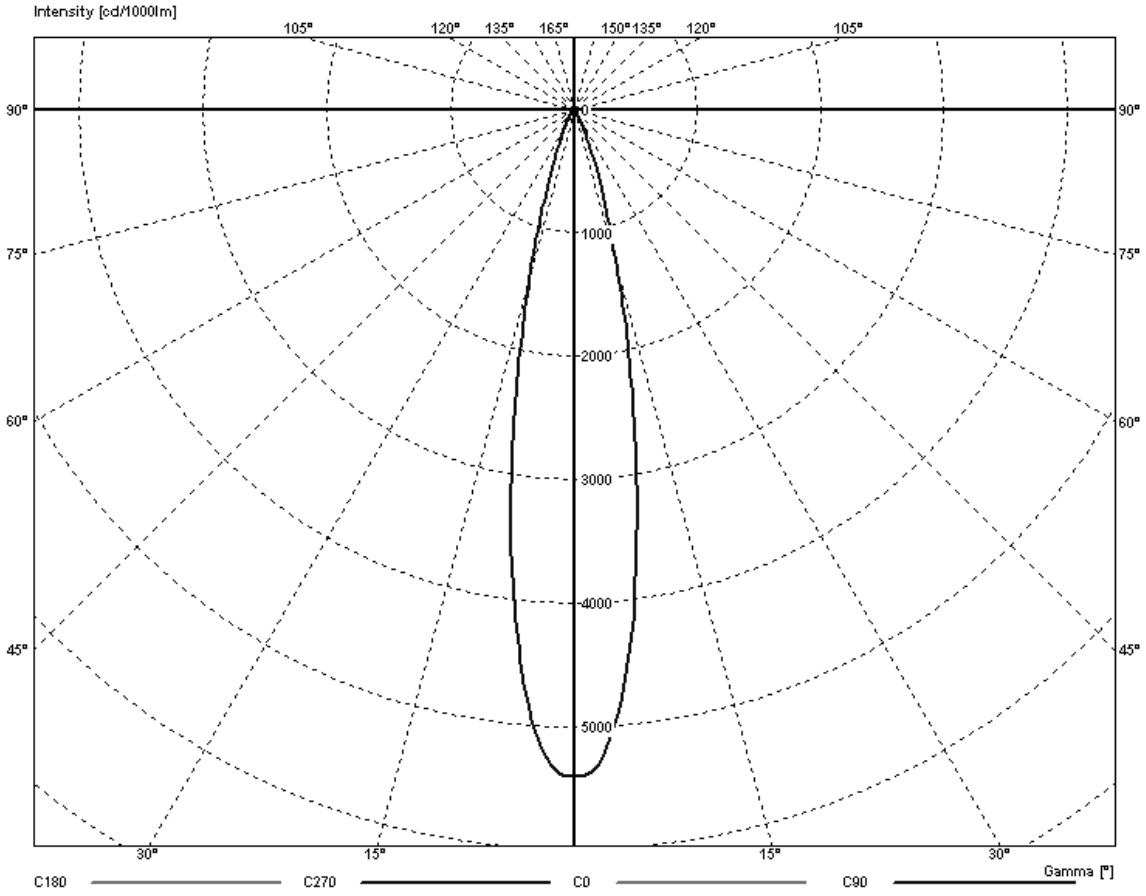


White

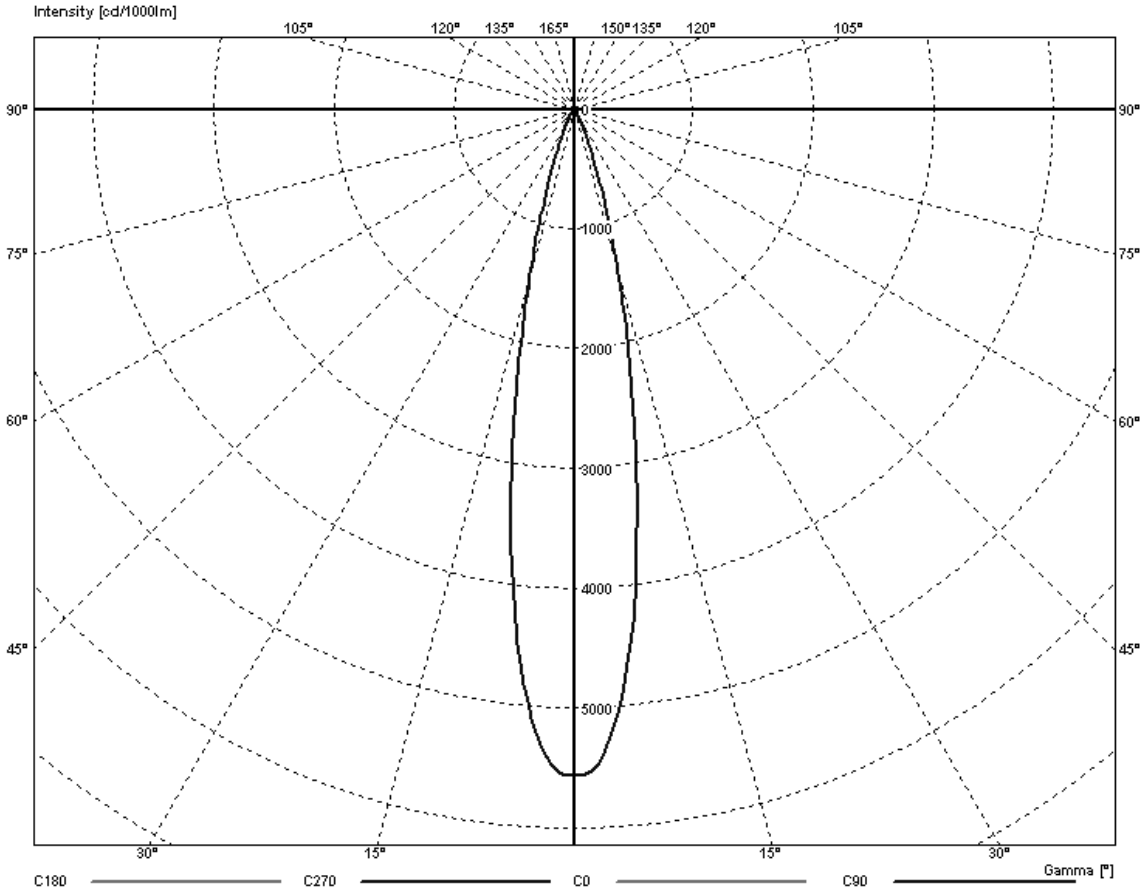

V [°]
Illuminance on Testscreen [lx]
15%
25%
35%
45%
55%
65%
75%
85%
95%
Maximum 596,130 lx
Horizontal angle [°]
H [°]
< 0%
100%

Polarcurve diagrams:

Red



White


Intensity [cd/1000lm]
105°
120°
135°
165°
150°
135°
120°
105°
90°
75°
60°
45°
1000
2000
3000
4000
5000
30°
15°
15°
30°
C180
C270
C0
C90
Gamma [°]