

Light Measurement Report

Print date: 22/02/2023

Measurement date and time: 22/02/2023 11:01:10 – Measurement no. VFR-230222-3043-MS

Measurement tracking No. and Link: [VT230222-000921](#)

Operator:

DVT
LIGHT

Laboratory and Equipment

Laboratory Owner and Location

Goniospectrometer System and Type

Sensor Name, Calibr. Date and Serial No.

Spectrometer Manufacturer and Model

DVT Light, Randers SV, Denmark

LabSpion – Type C, horizontal

LabSensor Model2 – 15/01/2021 – 3482137104

Ibsen Photonics, Denmark – Freedom VIS (Custom Viso)

Measurement Conditions

Number of C-planes and Resolution

γ (gamma)-Resolution

Test Distance

Input Power, Power and Displ. Factors

Input RMS Voltage and Current

Frequency of Input Power

Warm-up Time and Variation

2 planes – 180°

5°

3,23 m

209,7 W – PF 0,9 – DPF 0,92

224 V – 1,04 A

50 Hz

n/a – n/a%

Tested Light Source

Product Name

Item No. and Manufacturer

Product Description (line 1)

PJ-5 Wide Red

– DVT Light

Main Light Measurement Results

Output – Total Lumen (Up% / Down%)

Efficiency

Peak Intensity and Beam Angle

Correlated Color Temperature, Target/Measured

Color Rendering Index

Color Rendering TM30-18

Color Shift, CIE duv and MacAdam Steps

Flicker

3860 lm – 0,02% / 99,98%

18 lm/W

6196 cd – 24,7°

CCT = 0 K / 0 K

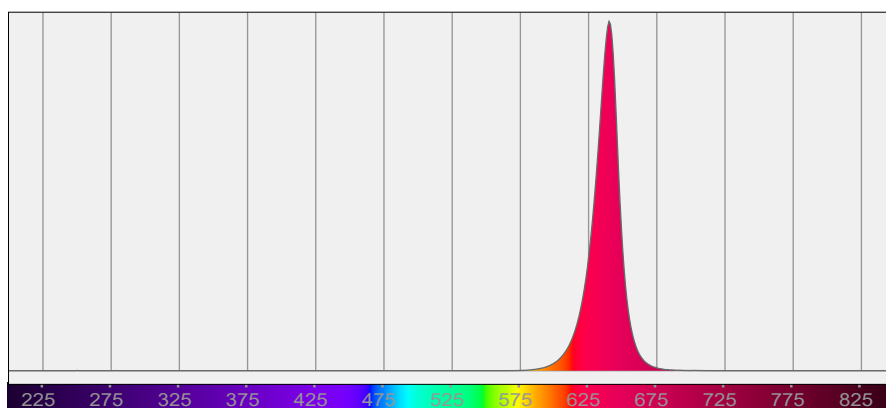
CRI 0,0

R_f 0,0 – R_g 0,0

Duv n/a – SDCM n/a

SVM n/a – PstLM n/a

No photo



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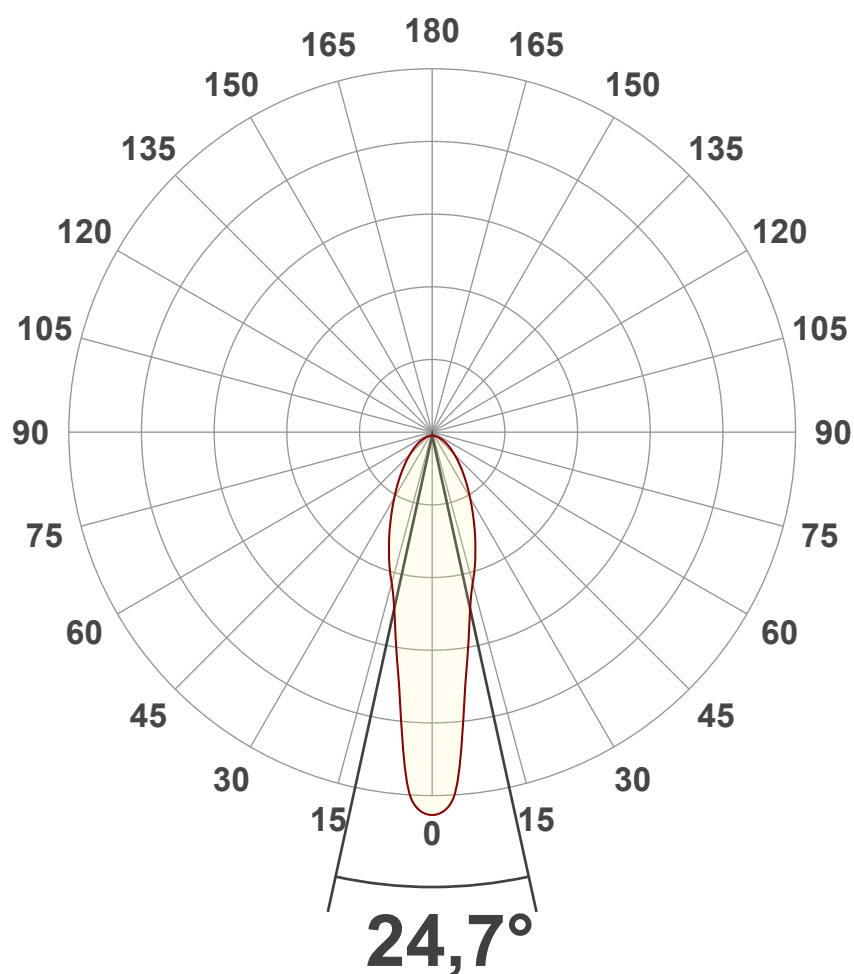
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Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

Output (total Lumen)	3860 lm
Lumen Up% / Down%	0,02% / 99,98%
Peak Intensity	6196 cd
Beam Angle (50%)	24,7°
Beam Angle (90%)	24,7°
Beam Angle (10%)	24,7°

Cut-off Angle

Average 2,5%	140,6°
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Field Angle

Average 10%	91,6°
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Intensity Ratio

In 120° cone	90,9%
In 90° cone	76,0%

C000-C180

C090-C270

Linear distribution diagram - Intensity (candela) vs γ-angle

