



GLP Twyn Plates only
GLP4339007502
Photometric Report

Report 2025-12-02-2

GLP German Light Products GmbH
GLP LightLab

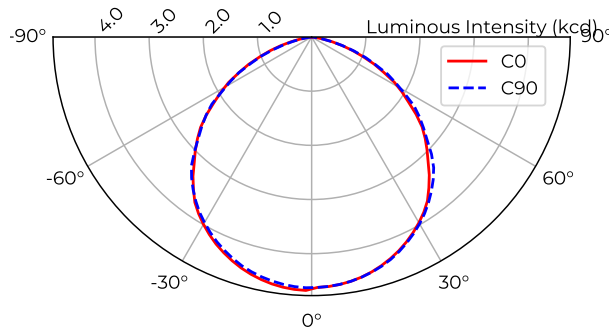
Maximum Total Lumens	12400 lm
Maximum Intensity	4680 cd
Energy Efficiency Class	A
Energy Efficiency Index	0.28
Power Consumption	253 $\frac{\text{kWh}}{1000 \text{h}}$
Serial Number	2015100012
Measurement Date	2025-12-02 12:36
Analysis SW Version	3.0.0rc7



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1 Light Distribution RGBW, Plates only Beam



Type C measurement, 1296 data points.

Table 1: Opening angles for different intensity thresholds. RGBW, Plates only

		C0	C90
Beam Angle	50 %	110°	110°
Field Angle	10 %	150°	150°
Cutoff Angle	3 %	160°	160°

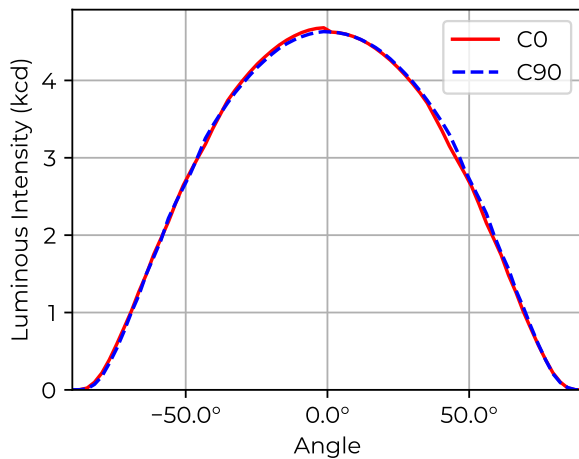


Table 2: Luminous flux, integrated over the beam for several minimum threshold intensities. RGBW, Plates only

		Flux (lm)
Half-Peak Output	@50 %	9390
Tenth-Peak Output	@10 %	12 200
Total Lumen Output	@3 %	12 400

$$\text{diameter} = 2.8 \times \text{distance}$$

$$\text{illuminance} = \frac{4630 \text{ lx}}{(\text{distance [m]})^2}$$

Figure 1: Polar and cartesian light intensity distributions. RGBW, Plates only

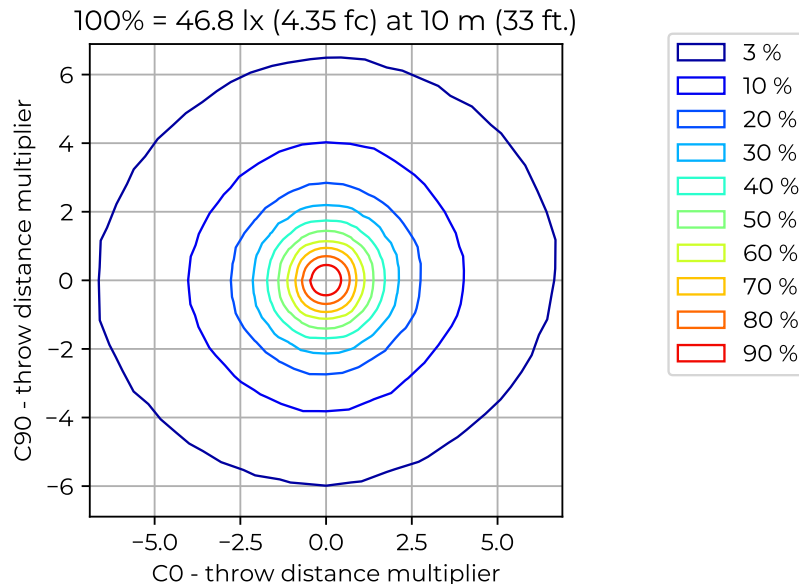


Figure 2: Iso-illuminance diagram of projected beam. RGBW, Plates only
dist. from origin = throw dist. × throw dist. multiplier

Table 3: Quick calculation diagram for illuminance and beam diameter. RGBW, Plates only

Parameter	Factor	Projection Distance [m]									
		5	7.5	10	12.5	15	17.5	20	22.5	25	
Diameter [m]	2.8	14	21	28	35	42	50	57	64	71	
Illuminance [lx]	4.63k	190	82	46	30	21	15	12	9.1	7.4	