



GLP JDC Burst 1
Power Mode Max Beam
Photometric Report

Report 2025-02-25-4

GLP German Light Products GmbH
GLP LightLab

Maximum Total Lumens	48900 lm
Maximum Intensity	34300 cd
Energy Efficiency Class	A
Energy Efficiency Index	0.31
Power Consumption	1121 $\frac{\text{kWh}}{1000 \text{ h}}$

Serial Number	2013000308
Measurement Date	2025-02-25 17:27
Analysis SW Version	3.0.0rc7

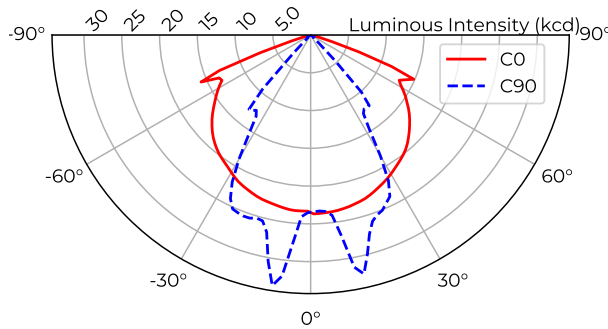




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1 Light Distribution Beam, Max Power Beam



Type C measurement, 1536 data points.

Table 1: Opening angles for different intensity thresholds. Beam, Max Power

		C0	C90
Beam Angle	50 %	120°	65°
Field Angle	10 %	140°	89°
Cutoff Angle	3 %	150°	93°

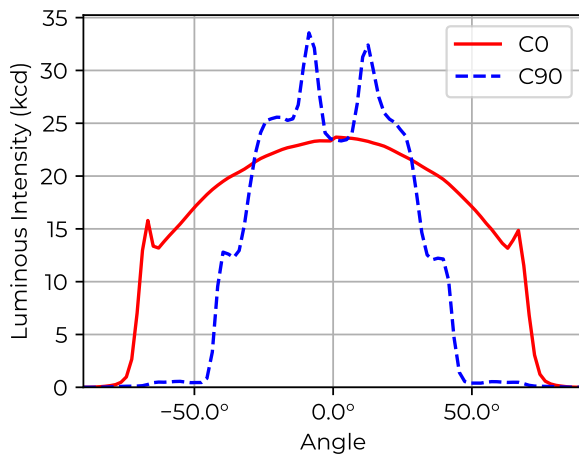


Table 2: Luminous flux, integrated over the beam for several minimum threshold intensities. Beam, Max Power

		Flux (lm)
Half-Peak Output	@50 %	35 900
Tenth-Peak Output	@10 %	48 500
Total Lumen Output	@3 %	48 900

$$\text{diameter} = 2.0 \times \text{distance}$$

$$\text{illuminance} = \frac{23\,700 \text{ lx}}{(\text{distance [m]})^2}$$

Figure 1: Polar and cartesian light intensity distributions. Beam, Max Power

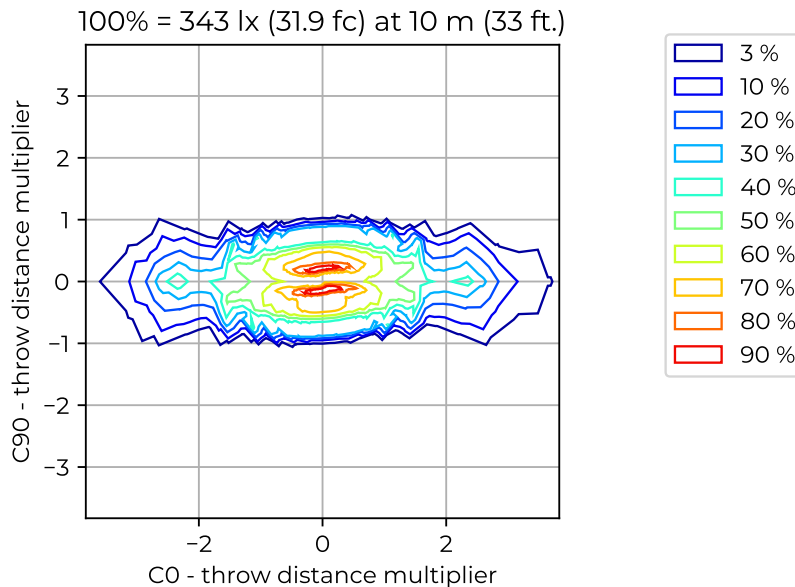


Figure 2: Iso-illuminance diagram of projected beam. Beam, Max Power
dist. from origin = throw dist. × throw dist. multiplier

Table 3: Quick calculation diagram for illuminance and beam diameter. Beam, Max Power

Parameter	Factor	Projection Distance [m]									
		5	7.5	10	12.5	15	17.5	20	22.5	25	
Diameter [m]	2.0	10	15	20	26	31	36	41	46	51	
Illuminance [lx]	23.7k	950	420	240	150	110	77	59	47	38	