



JDC2
Photometric Report

Report 2023-12-22-2

GLP German Light Products GmbH
GLP LightLab

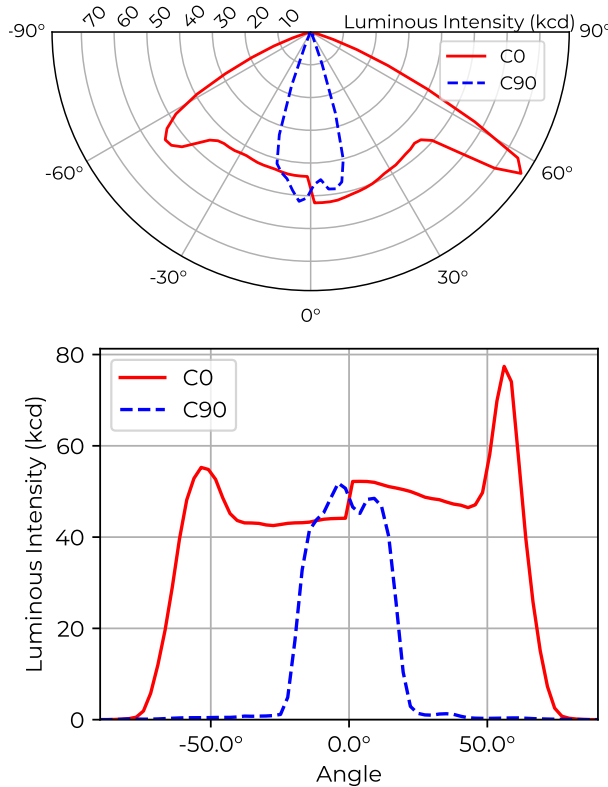
Maximum Total Lumens	47900 lm
Maximum Intensity	78600 cd
Energy Efficiency Class	A
Energy Efficiency Index	0.23
Power Consumption	827 $\frac{\text{kWh}}{1000 \text{ h}}$
Serial Number	2001100023
Measurement Date	2023-12-22 10:19



Contents

1	Light Distribution White, Strobe Beam	2
----------	----------------------------------------------	----------

1 Light Distribution White, Strobe Beam



Type C measurement, 720 data points.

Table 1: Opening angles for different intensity thresholds. White, Strobe

		C0	C90
Beam Angle	50 %	110°	35°
Field Angle	10 %	140°	45°
Cutoff Angle	3 %	150°	49°

Table 2: Luminous flux, integrated over the beam for several minimum threshold intensities. White, Strobe

		Flux (lm)
Half-Peak Output	@50 %	32 300
Tenth-Peak Output	@10 %	46 900
Total Lumen Output	@3 %	47 900

$$\text{diameter} = 1.4 \times \text{distance}$$

$$\text{illuminance} = \frac{52\,100 \text{ lx}}{(\text{distance [m]})^2}$$

Figure 1: Polar and cartesian light intensity distributions. White, Strobe

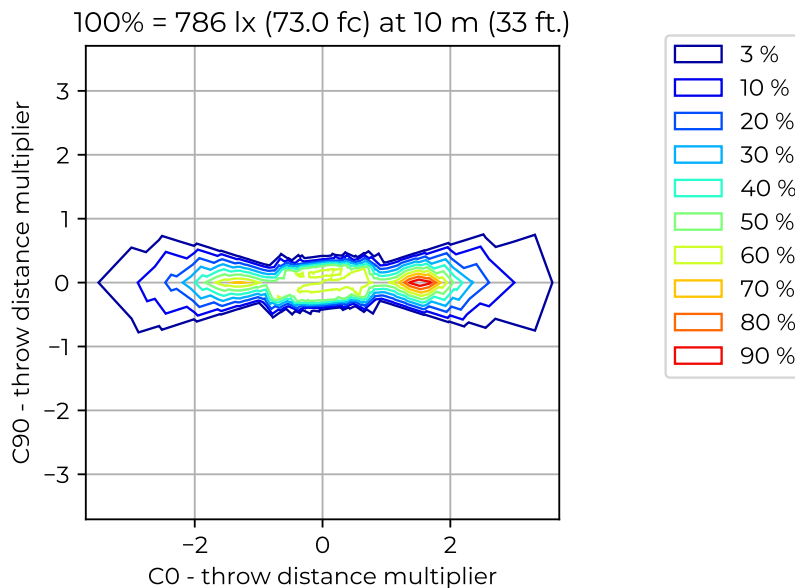


Figure 2: Iso-illuminance diagram of projected beam. White, Strobe
dist. from origin = throw dist. × throw dist. multiplier

Table 3: Quick calculation diagram for illuminance and beam diameter. White, Strobe

Parameter	Factor	Projection Distance [m]									
		5	7.5	10	12.5	15	17.5	20	22.5	25	
Diameter [m]	1.4	7.2	11	14	18	22	25	29	32	36	
Illuminance [lx]	52.1k	2.1k	930	520	330	230	170	130	100	83	