

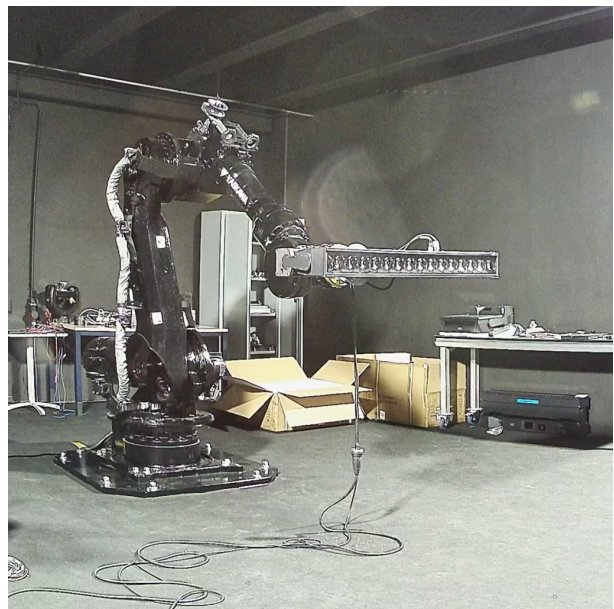


Wild Bar 16 Photometric Report

Report 2025-04-17-1

GLP German Light Products GmbH
GLP LightLab

Maximum Total Lumens	7830 lm
Maximum Intensity	1340000 cd
Energy Efficiency Class	C
Energy Efficiency Index	1.13
Power Consumption	664 $\frac{\text{kWh}}{1000\text{h}}$
Lamp	RGBL
Serial Number	2012800116
Measurement Date	2025-04-17 13:10
Analysis SW Version	3.0.0rc7

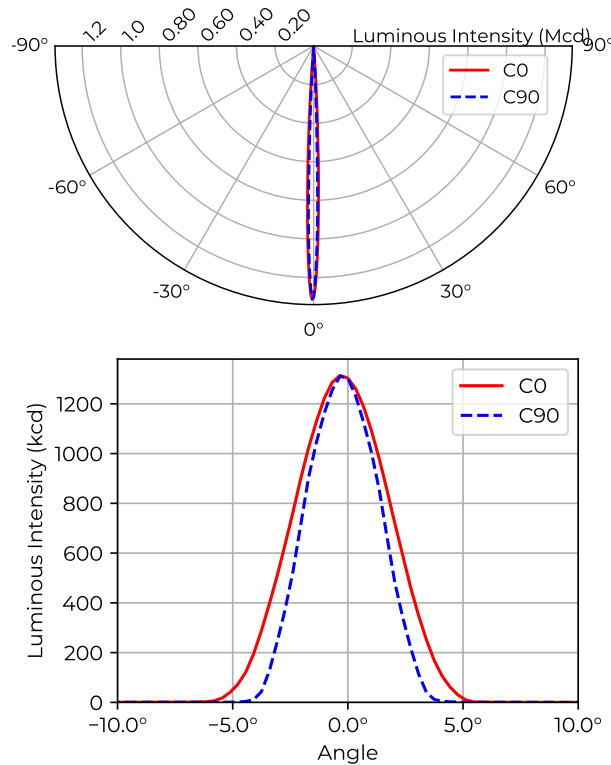




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1 Light Distribution Narrow, RGL Beam



Type B measurement, 2304 data points.

Table 1: Opening angles for different intensity thresholds. Narrow, RGL

		C0	C90
Beam Angle	50 %	4.9°	3.8°
Field Angle	10 %	8.3°	6.4°
Cutoff Angle	3 %	9.8°	7.2°

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

		Flux (lm)
Half-Peak Output	@50 %	4340
Tenth-Peak Output	@10 %	7430
Total Lumen Output	@3 %	7830

$$\text{diameter} = 0.076 \times \text{distance}$$

$$\text{illuminance} = \frac{1\,300\,000 \text{ lx}}{(\text{distance [m]})^2}$$

Figure 1: Polar and cartesian light intensity distributions. Narrow, RGL

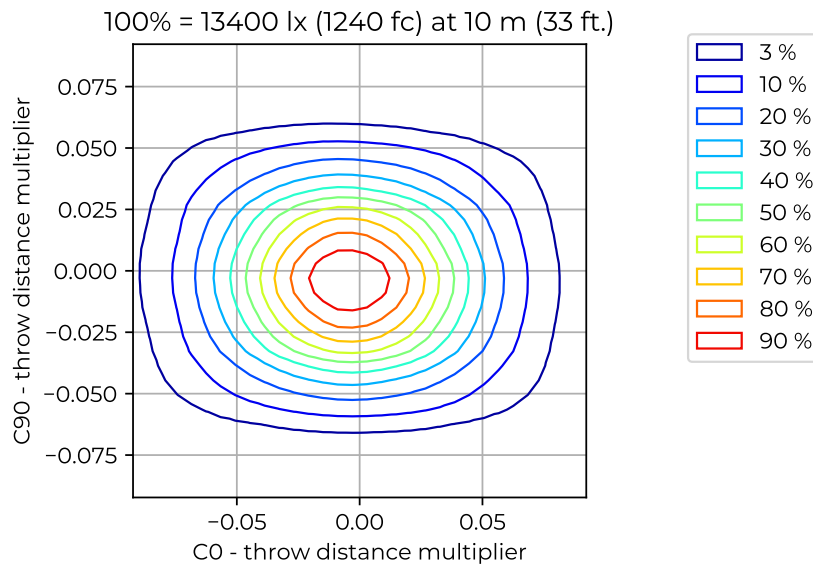


Figure 2: Iso-illuminance diagram of projected beam. Narrow, RGL
dist. from origin = throw dist. × throw dist. multiplier

Table 3: Quick calculation diagram for illuminance and beam diameter. Narrow, RGL

Parameter	Factor	Projection Distance [m]								
		5	7.5	10	12.5	15	17.5	20	22.5	25
Diameter [m]	0.076	0.38	0.57	0.76	0.95	1.1	1.3	1.5	1.7	1.9
Illuminance [lx]	1.30M	52k	23k	13k	8.3k	5.8k	4.3k	3.3k	2.6k	2.1k