



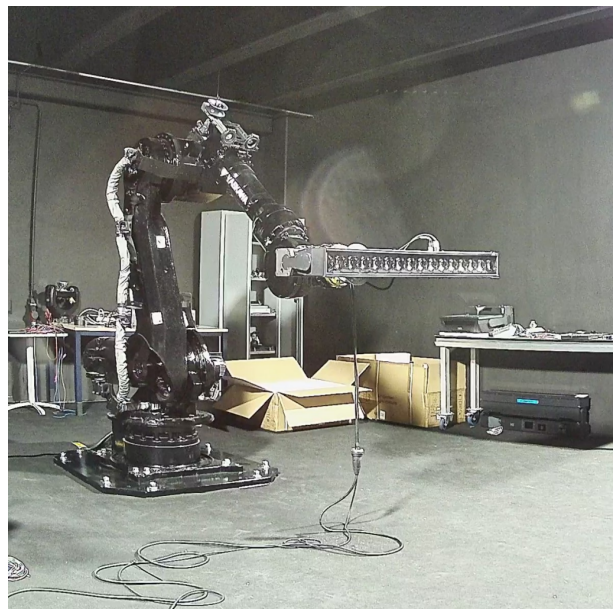
Wild Bar 16 Photometric Report

Report 2025-03-24-1

GLP German Light Products GmbH
GLP LightLab

Maximum Total Lumens	10300 lm
Maximum Intensity	33000 cd
Energy Efficiency Class	B
Energy Efficiency Index	0.88
Power Consumption	669 $\frac{\text{kWh}}{1000 \text{ h}}$

Lamp	RGBL
Serial Number	2012800015
Measurement Date	2025-03-24 16:16
Analysis SW Version	3.0.0rc7

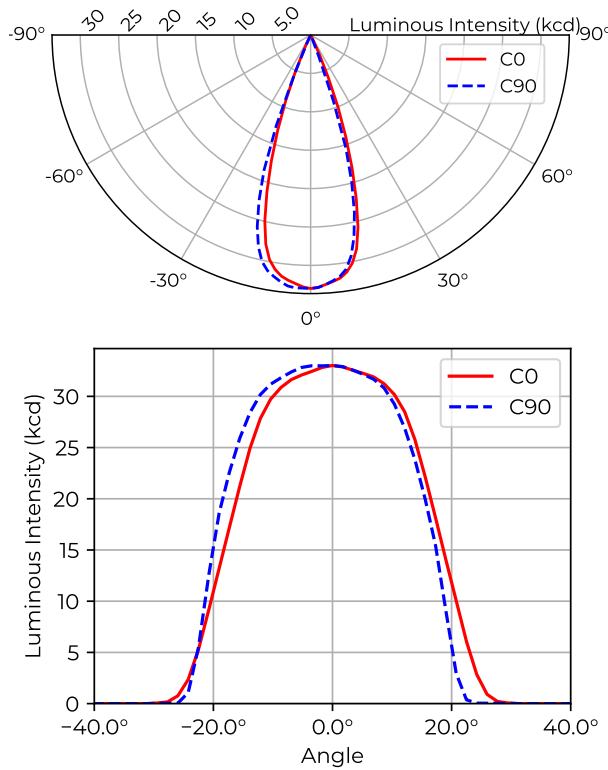




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1 Light Distribution Wide, TLO Beam



Type B measurement, 1296 data points.

Table 1: Opening angles for different intensity thresholds. Wide, TLO

		C0	C90
Beam Angle	50 %	36°	37°
Field Angle	10 %	48°	44°
Cutoff Angle	3 %	52°	47°

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

		Flux (lm)
Half-Peak Output	@50 %	8280
Tenth-Peak Output	@10 %	10 200
Total Lumen Output	@3 %	10 300

$$\text{diameter} = 0.65 \times \text{distance}$$

$$\text{illuminance} = \frac{33\,000 \text{ lx}}{(\text{distance [m]})^2}$$

Figure 1: Polar and cartesian light intensity distributions. Wide, TLO

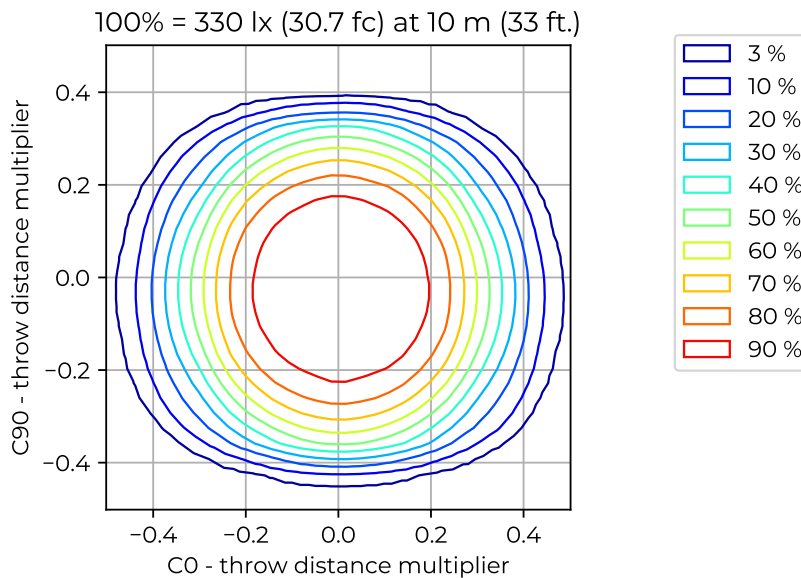


Figure 2: Iso-illuminance diagram of projected beam. Wide, TLO
dist. from origin = throw dist. × throw dist. multiplier

Table 3: Quick calculation diagram for illuminance and beam diameter. Wide, TLO

Parameter	Factor	Projection Distance [m]								
		5	7.5	10	12.5	15	17.5	20	22.5	25
Diameter [m]	0.65	3.3	4.9	6.5	8.2	9.8	11	13	15	16
Illuminance [lx]	33.0k	1.3k	590	330	210	150	110	83	65	53