

Bar Light Comparison Matrix

Attributes	AL325					AL295		LL174			Attributes	AL247			AL116	AL126	AL150
Lens Type	Narrow (N)	Medium (M)	Wide (W)	Extra Wide (Z)	Elliptical (E)	Medium (M)	Wide (W)	Narrow (N)	Medium (M)	Wide (W)	Lens Type	Narrow (N)	Medium (M)	Wide (W)	No Lenses	No Lenses	Aimed
Beam Angle	14°	25°	36°	56°	45° + 15°	20°	32°	10°	25°	40°	Beam Angle	10°	25°	40°	70°	60°	N/A
Beam Direction	Normal or Oblique					Normal		Normal			Beam Direction	Normal			Normal	Normal	Oblique
Intensity at 100 mm WD	163 klx	134 klx	110 klx	80 klx	TBD	88 klx	65 klx	75 klx	57 klx	45 klx	Intensity at 100 mm WD	84 klx	67 klx	48 klx	32 klx	14 klx	2.2 klx
	456 W/m²	427 W/m²	352 W/m²	254 W/m²	TBD	288 W/m²	208 W/m²	250 W/m²	187 W/m²	146 W/m²		277 W/m²	218 W/m²	155 W/m²	110 W/m²	48 W/m²	8.5 W/m²
Transversal FWHM at 600 mm WD	8.54 in (217 mm)	11.73 in (298 mm)	14.25 in (362 mm)	17.12 in (450 mm)	TBD	12.79 in (325 mm)	15.12 in (384 mm)	9.06 in (230 mm)	13.90 in (353 mm)	16.06 in (408 mm)	Transversal FWHM at 600 mm WD	9.57 in (243 mm)	11.38 in (289 mm)	15.87 in (403 mm)	31.54 in (801 mm)	23.31 in (592 mm)	N/A
Longitudinal FWHM at 600 mm WD	12.05 in (306 mm)	14.25 in (362 mm)	16.34 in (415 mm)	19.45 in (494 mm)	TBD	15.95 in (405 mm)	17.72 in (450 mm)	13.50 in (343 mm)	16.69 in (424 mm)	18.35 in (466 mm)	Longitudinal FWHM at 600 mm WD	13.58 in (345 mm)	14.65 in (372 mm)	18.03 in (458 mm)	46.34 in (1177 mm)	31.26 in (794 mm)	N/A
Minimum Working Distance	3.94 in (100 mm)	3.94 in (100 mm)	3.94 in (100 mm)	1.97 in (50 mm)	TBD	0.98 in (25 mm)	0.79 in (20 mm)	3.94 in (100 mm)	1.97 in (50 mm)	1.46 in (37 mm)	Minimum Working Distance	3.94 in (100 mm)	1.97 in (50 mm)	1.46 in (37 mm)	0.47 in (12 mm)	0.47 in (12 mm)	0.47 in (12 mm)
Light Width	1.57 in (39.8 mm)					0.79 in (20.0 mm)		1.33 in (33.8 mm)			Light Width	1.69 in (42.9 mm)			0.79 in (20 mm)	1.27 in (32 mm)	1.33 in (34 mm)
Light Height	1.78 in (45.2 mm)					0.79 in (20.1 mm)		1.12 in (28.4 mm)			Light Height	0.95 in (24.0 mm)			0.79 in (20 mm)	0.79 in (20 mm)	1.12 in (28 mm)
Longest Emitting Window Length	84.28 in (2140 mm)					41.61 in (1057 mm)		96.72 in (2457 mm)			Longest Emitting Window Length	24 in (610 mm)			20.27 in (515 mm)	41.42 in (1052 mm)	82.12 in (2086 mm)
Sizes Available	14	14	14	14	14	14	14	16	16	16	Sizes Available	4	4	4	10	20	80
Visible Wavelengths Available	9	9	9	8	8	9	8	8	9	8	Visible Wavelengths Available	8	8	8	8	8	4
UV Wavelengths Available	4	4	4	0	0	4	0	0	4	0	UV Wavelengths Available	0	0	0	4	4	1
IR Wavelengths Available	3	3	3	3	3	3	3	3	3	3	IR Wavelengths Available	3	3	3	2	2	1
Polarization Available	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Polarization Available	No	No	No	Yes	Yes	Yes
Diffusion Available	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Diffusion Available	No	No	No	Yes	Yes	Yes
IP Rating	IP50					IP50		IP50			IP Rating	IP69K			IP50	IP50	IP50
Price	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	\$\$	Price	\$\$\$	\$\$\$	\$\$\$	\$\$	\$	\$\$\$\$

To ensure consistent comparisons, all data presented above is based on 12-inch white LED models unless explicitly stated otherwise. Additionally, all measurements provided above are derived from "standard" configurations, excluding sealed models if available as optional.

Disclaimer: The measurements provided above are for approximations only and may vary depending on the method of measurement and the specific configuration being measured.