

TOCON

Selection Guide



Nomenclature

TOCON	ABC, A, B, C, E, blue or GaP	1 ... 10
	Spectral response	Irradiance limits ($V_{\text{supply}} = 5V, \lambda = \lambda_{\text{peak}}$)
	ABC = broadband $\lambda_{\text{max}} = 290 \text{ nm}$ $\lambda_{\text{510\%}} = 227 \text{ nm} \dots 360 \text{ nm}$	1 = 1.8 pW/cm ² ... 1.8 nW/cm ²
	A = UVA $\lambda_{\text{max}} = 331 \text{ nm}$ $\lambda_{\text{510\%}} = 309 \text{ nm} \dots 367 \text{ nm}$	2 = 18 pW/cm ² ... 180 nW/cm ²
	B = UVB $\lambda_{\text{max}} = 280 \text{ nm}$ $\lambda_{\text{510\%}} = 243 \text{ nm} \dots 303 \text{ nm}$	3 = 180 pW/cm ² ... 1.8 μW/cm ²
	C = UVC $\lambda_{\text{max}} = 275 \text{ nm}$ $\lambda_{\text{510\%}} = 225 \text{ nm} \dots 287 \text{ nm}$	4 = 1.8 nW/cm ² ... 18 μW/cm ²
	Blue $\lambda_{\text{max}} = 445 \text{ nm}$ $\lambda_{\text{510\%}} = 390 \text{ nm} \dots 515 \text{ nm}$	5 = 18 nW/cm ² ... 180 μW/cm ²
	Gap $\lambda_{\text{max}} = 445 \text{ nm}$ $\lambda_{\text{510\%}} = 190 \text{ nm} \dots 570 \text{ nm}$	6 = 180 nW/cm ² ... 1.8 mW/cm ²
	E = UV-Index spectral response according to CIE087	7 = 1.8 μW/cm ² ... 18 mW/cm ²
		8 = 18 μW/cm ² ... 180 mW/cm ²
		9 = 180 μW/cm ² ... 1.8 W/cm ²
		10 = 1.8 mW/cm ² ... 18 W/cm ²
		2 = 0 UVI ... 30 UVI

Some examples for different applications:

- TOCON_ABC1 for flame detection
- TOCON_C7 for water purification control
- TOCON_E2 for UV-Index measurements

