



**●Electrical and optical characteristics (T<sub>a</sub> = 25°C)**

Parameter	Symbol	Conditions	Values			Unit
			Min.	Typ.	Max.	
Light current	I <sub>C</sub>	V <sub>CE</sub> = 5V, E = 500Lx	2.0	-	-	mA
Dark current	I <sub>CEO</sub>	V <sub>CE</sub> = 10V (Black box)	-	-	0.5	μA
Peak sensitivity wavelength	λ <sub>p</sub>	-	-	800	-	nm
Collector-emitter saturation voltage	V <sub>CE(sat)</sub>	I <sub>C</sub> = 1mA, E = 500Lx	-	-	0.4	V
Half-angle	θ <sub>1/2</sub>	-	-	±36	-	deg
Response time	tr·tf	V <sub>CC</sub> = 5V, I <sub>C</sub> = 1mA, R <sub>L</sub> = 100Ω	-	10	-	μs

**●Classified table of rank**

Item	Light current : I <sub>C</sub>	Unit
L	2.0 to 5.0	mA
M	3.0 to 8.0	mA
N	5.5 to 13.0	mA

●Electrical and optical characteristics curves

Fig.1 Dark Current vs. Ambient Temperature

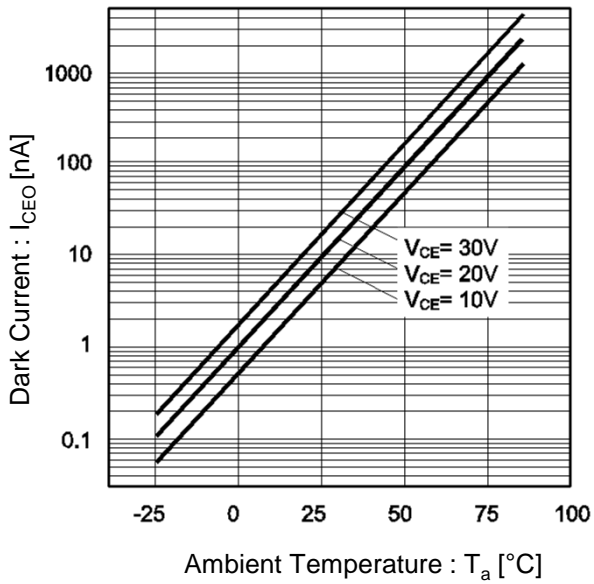


Fig.2 Relative Output vs. Ambient Temperature

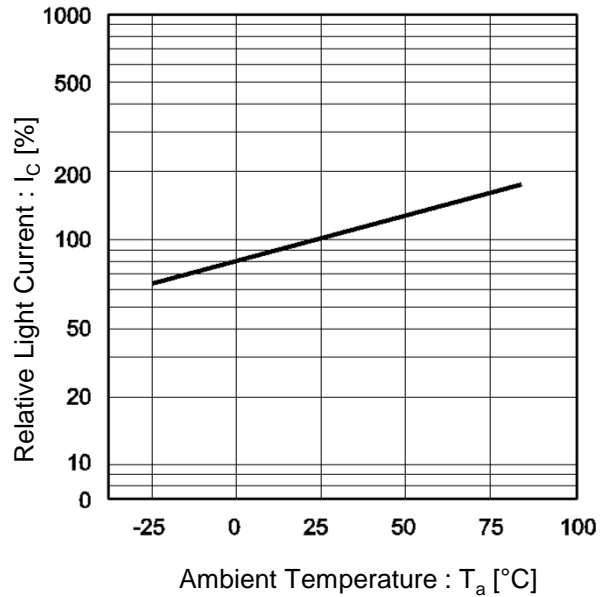


Fig.3 Light Current vs. Emitter Strength

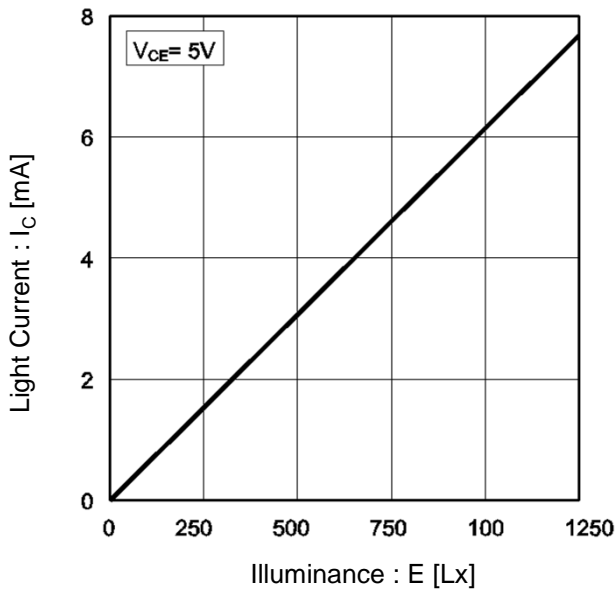
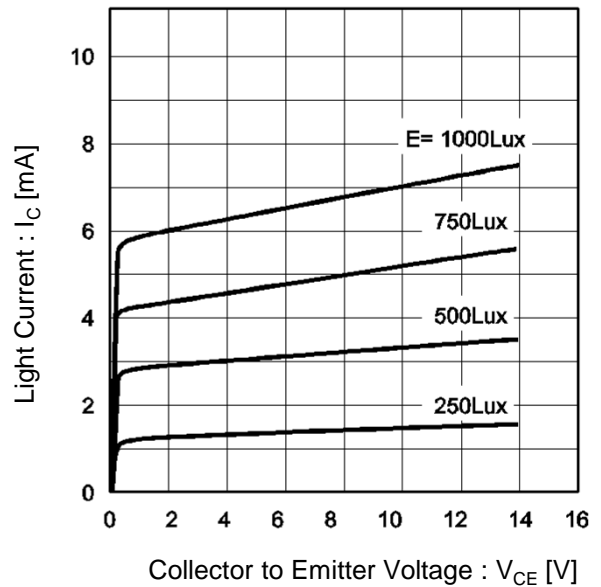


Fig.4 Output Characteristics



●Electrical and optical characteristics curves

Fig.5 Spectral Sensitivity

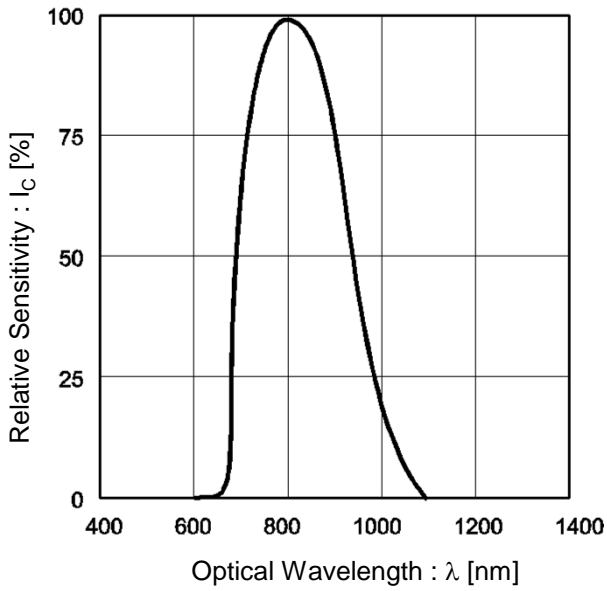


Fig.6 Collector Power Dissipation vs. Ambient Temperature

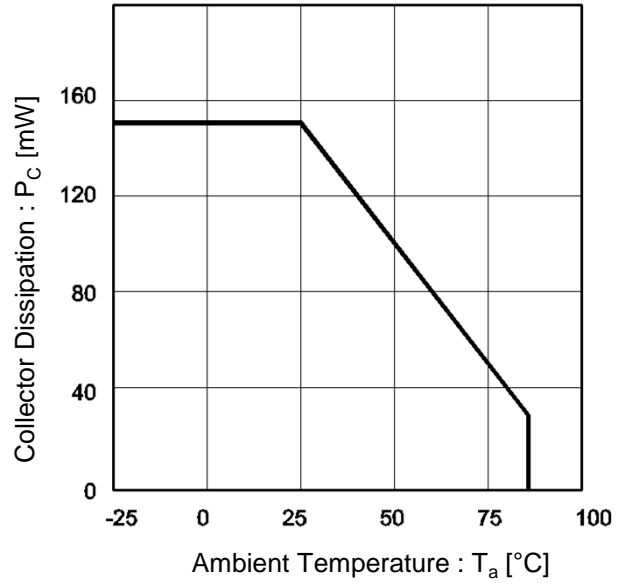
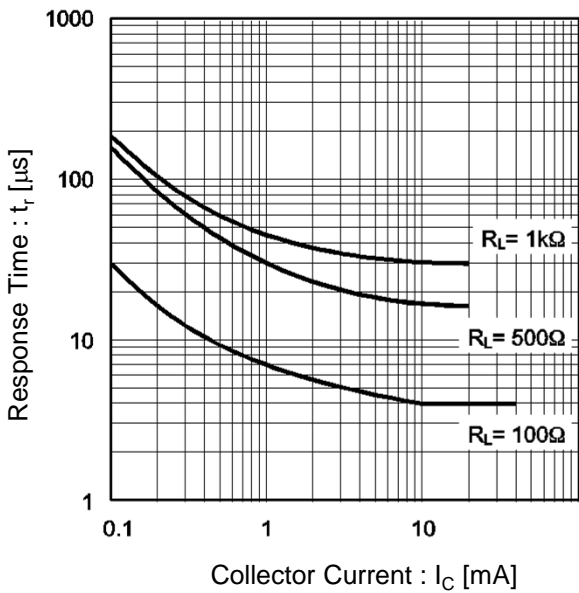
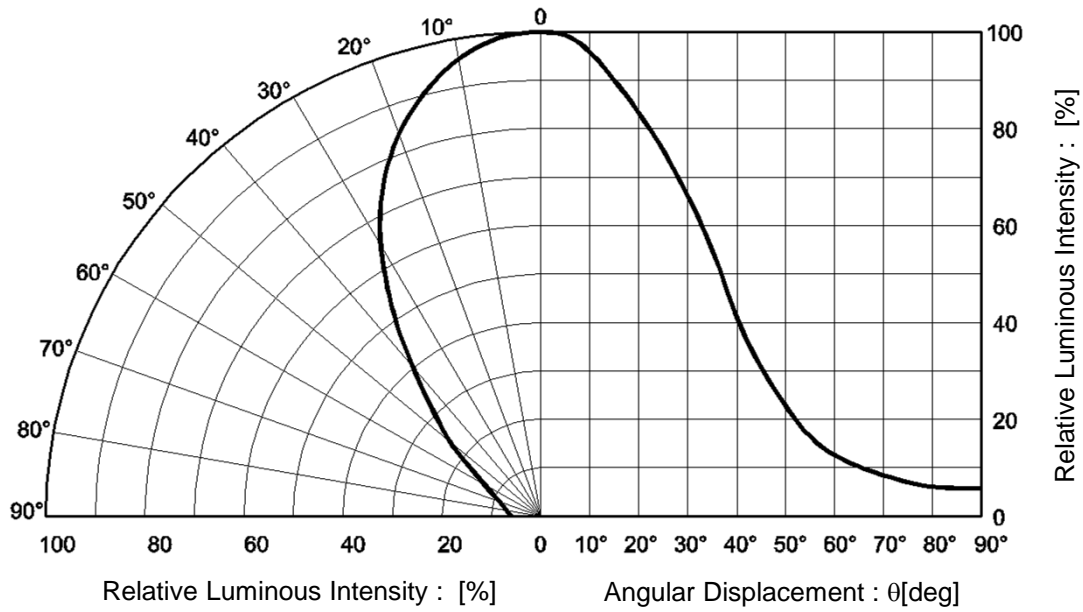


Fig.7 Response time vs. Collector Current



●Electrical and optical characteristics curves

Fig.8 Directional Pattern



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