

●Electrical and optical characteristics ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Conditions	Values			Unit
			Min.	Typ.	Max.	
Light current	I_C	$V_{CE}=5V$, $E=500\text{Lx}$	2.0	-	-	mA
Dark current	I_{CEO}	$V_{CE}=10V$ (Black box)	-	-	0.5	μA
Peak sensitivity wavelength	λ_p	-	-	800	-	nm
Collector-emitter saturationvoltage	$V_{CE(sat)}$	$I_C=1\text{mA}$, $E=500\text{Lx}$	-	-	0.4	V
Half-angle	$\theta_{1/2}$	-	-	± 36	-	deg
Response time	$tr \cdot tf$	$V_{CC}=5V$, $I_C=1\text{mA}$, $R_L=100\Omega$	-	10	-	μs

●Electrical and optical characteristics curves

Fig.1 Dark Current vs. Ambient Temperature Fig.2 Relative Output vs. Ambient Temperature

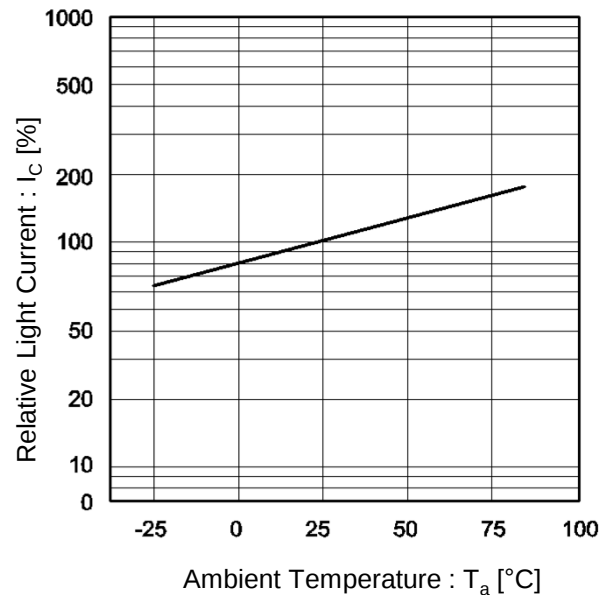
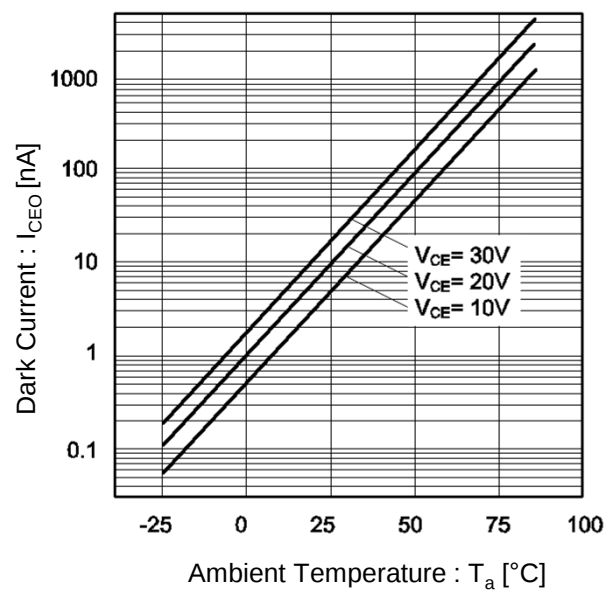


Fig.3 Light Current vs. Emitter Strength

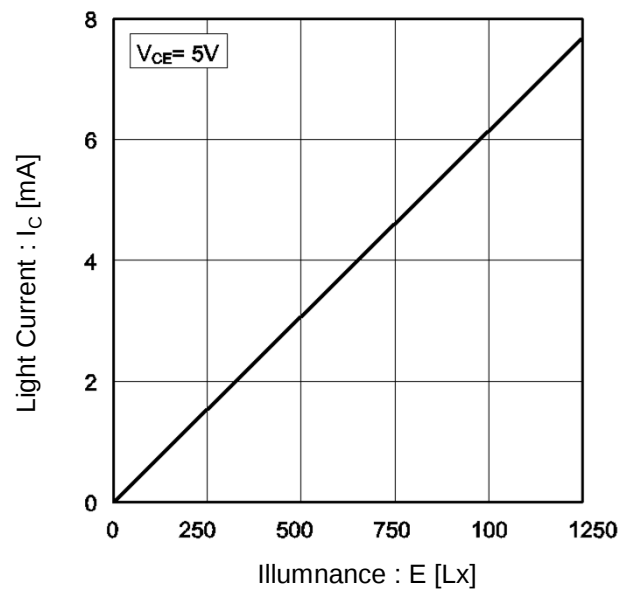
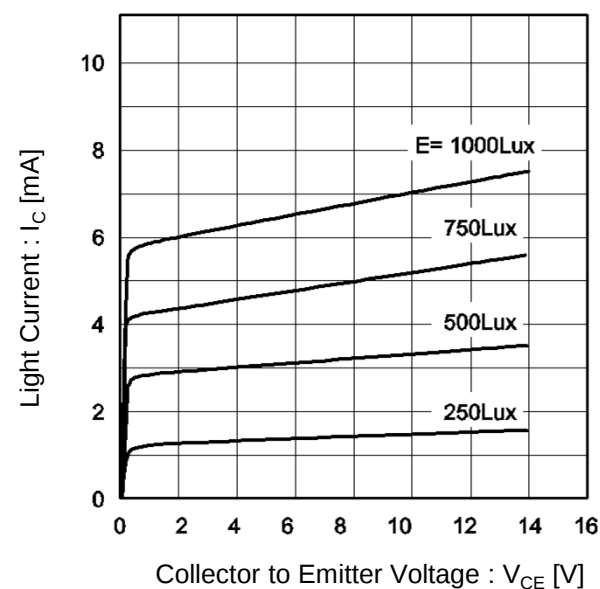


Fig.4 Output Characteristics



●Electrical and optical characteristics curves

Fig.5 Spectral Sensitivity

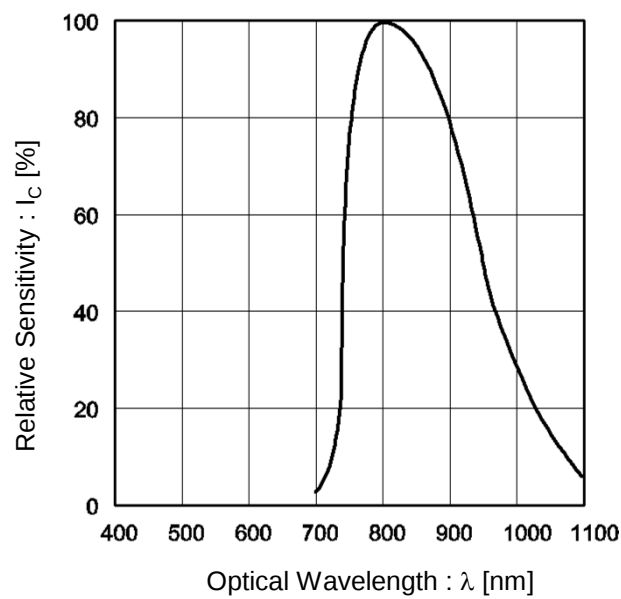


Fig.6 Collector Power Dissipation vs. Ambient Temperature

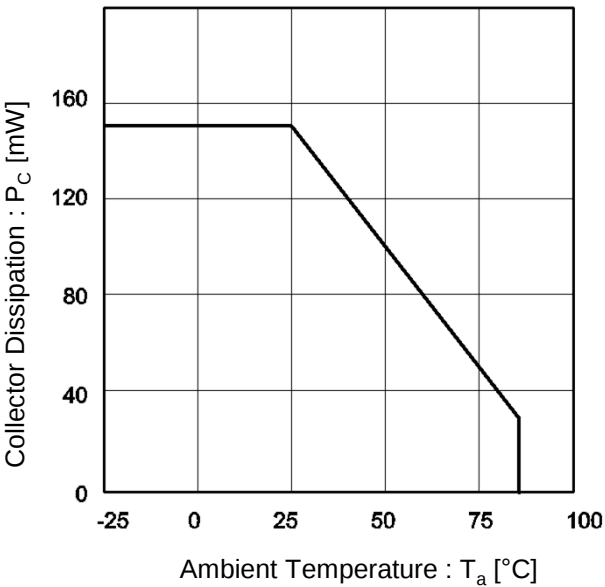
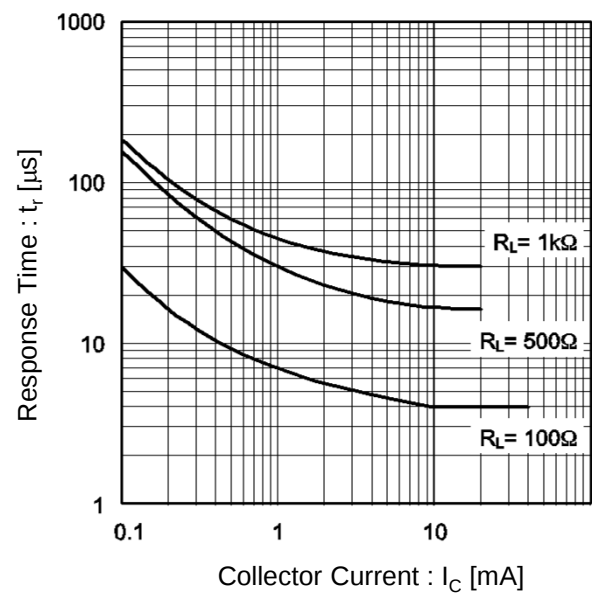
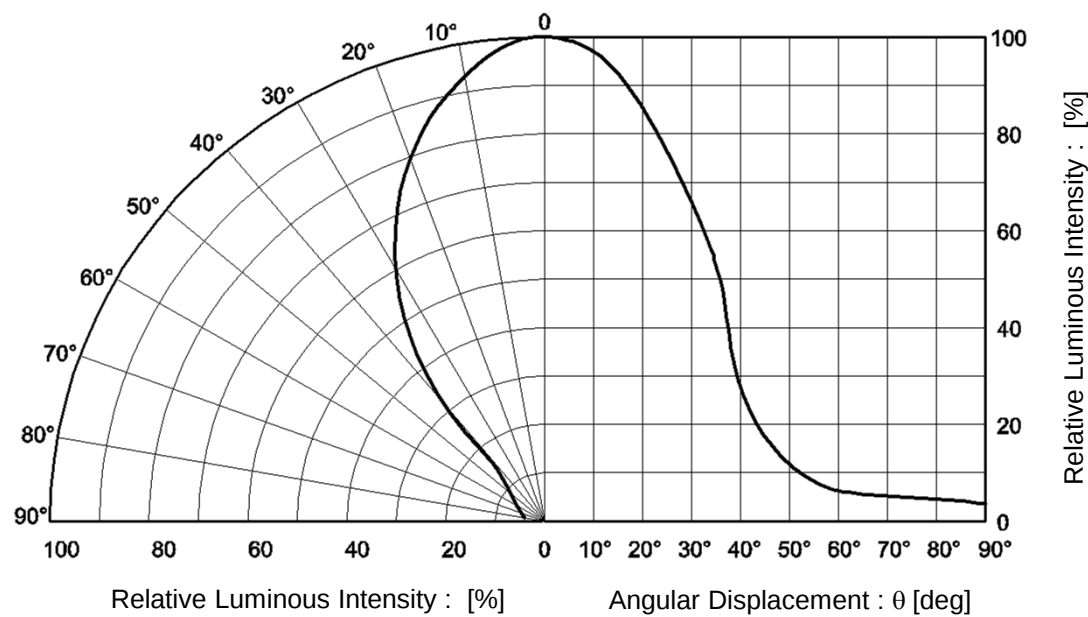


Fig.7 Response time vs. Collector Current



●Electrical and optical characteristics curves

Fig.8 Directional Pattern



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