

●Electrical and optical characteristics (T_a = 25°C)

Parameter	Symbol	Conditions	Values			Unit
			Min.	Typ.	Max.	
Light current	I _C	V _{CE} = 5V, E = 500Lx	0.48	-	1.94	mA
Dark current	I _{CEO}	V _{CE} = 10V (Black box)	-	-	0.5	μA
Peak sensitivity wavelength	λ _p	-	-	800	-	nm
Collector-emitter saturation voltage	V _{CE(sat)}	I _C = 0.1mA, E = 500Lx	-	-	0.4	V
Half-angle	θ _{1/2}	-	-	±32	-	deg
Response time	tr·tf	V _{CE} = 5V, I _C = 1mA, R _L = 100Ω	-	10	-	μs

●Classified table of rank

Item	Light current : I _C	Unit
L	0.48 to 0.78	mA
M	0.64 to 1.06	mA
N	0.86 to 1.43	mA
P	1.17 to 1.94	mA

●Electrical and optical characteristics curves

Fig.1 Collector Current vs. Emitter Strength

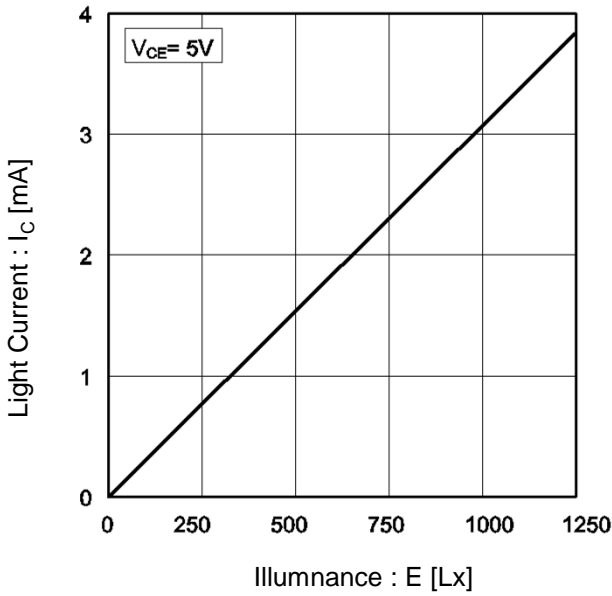


Fig.2 Output Characteristics

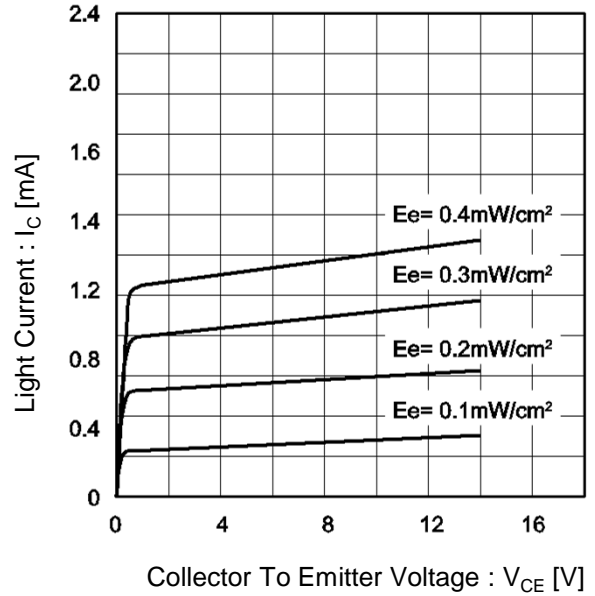


Fig.3 Relative Output vs. Ambient Temperature

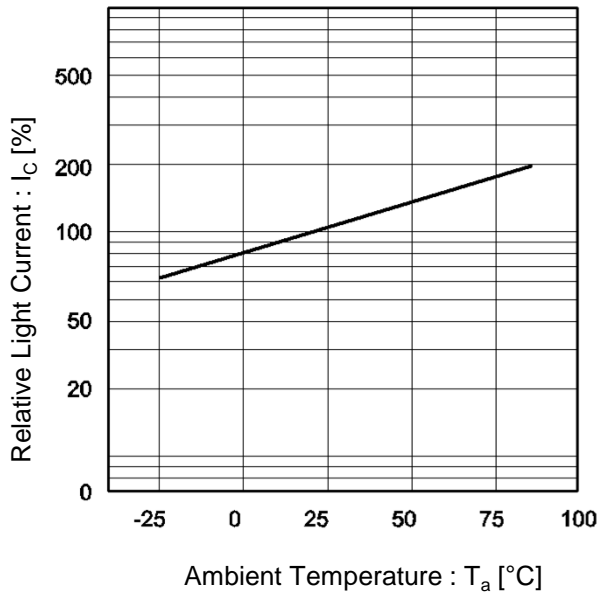
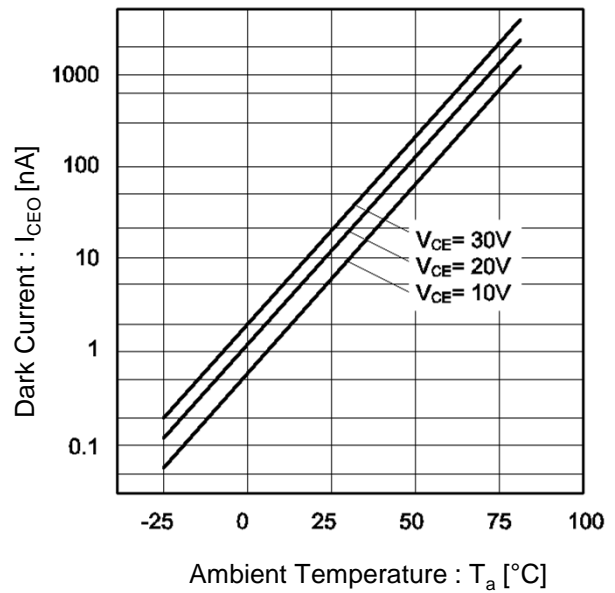


Fig.4 Dark Current vs. Ambient Temperature



●Electrical and optical characteristics curves

Fig.5 Spectral Sensitivity

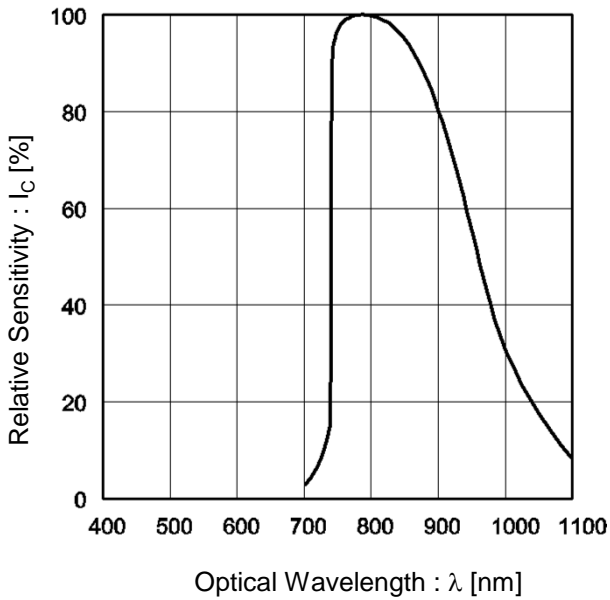


Fig.6 Collector Power Dissipation vs. Ambient Temperature

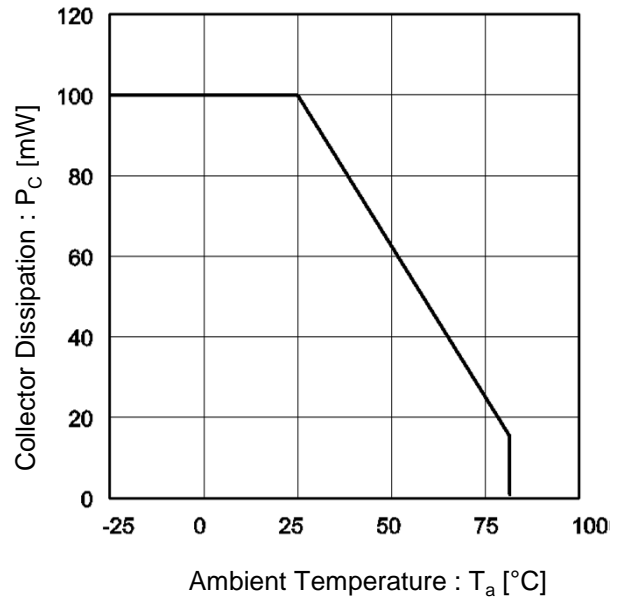
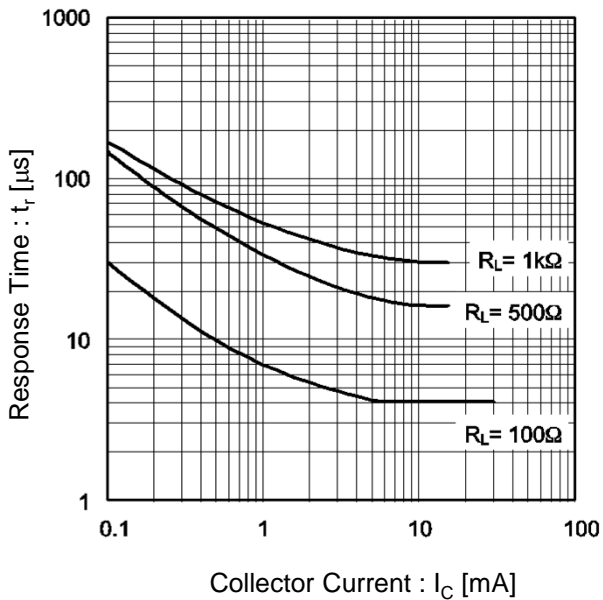
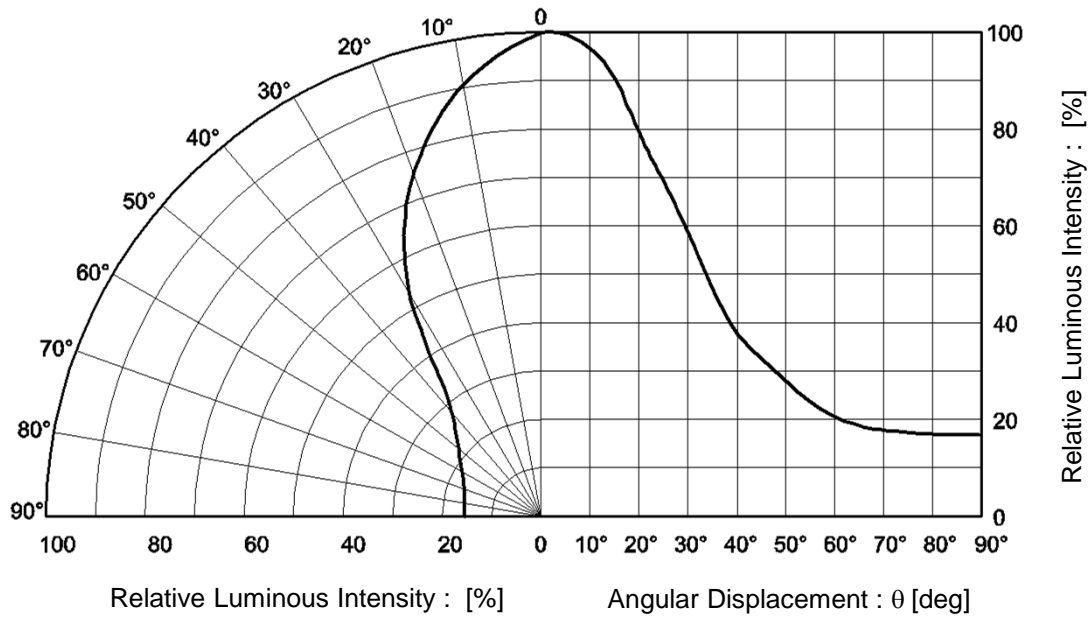


Fig.7 Response time vs. Collector Current



●Electrical and optical characteristics curves

Fig.8 Directional Pattern



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