

LED lamps

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

Parameter	Symbol	Conditions	Red			Green			Unit
			Min.	Typ.	Max.	Min.	Typ.	Max.	
Forward voltage	V _F	I _F =20mA	-	1.75	2.5	-	2.2	3.0	V
Reverse current	I _R	V _R =4V	-	-	100	-	-	10	μA
Peak wavelength	λ _P	I _F =20mA	-	660	-	-	563	-	nm
Spectral line half width	Δλ	I _F =20mA	-	25	-	-	40	-	nm
Viewing angle	SLA-360	2θ 1/2	-	-	40	-	40	-	deg
	SLA-370								

●Luminous intensity vs. wavelength

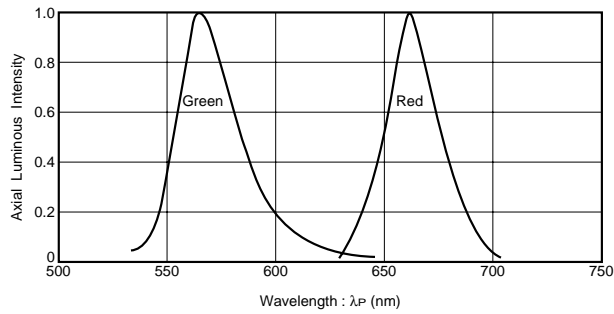


Fig.1

●Luminous intensity

Color	λ _P	Type	Min.	Typ.	Max.	Unit
Red	660	SLA-360LT3F	30	68	-	mcd
		SLA-370LT3F	42	100	-	
Green	563	SLA-360MT3F	42	100	-	
		SLA-370MT3F	42	100	-	

Note : 1. Measured at I_F=20mA
 2. The specification is subject to be without notice.
 We would like you to refer to the latest specification in use.

●Directional pattern

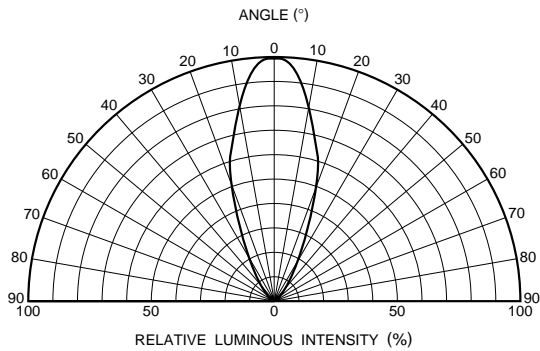


Fig.2 SLA-360 Directional pattern

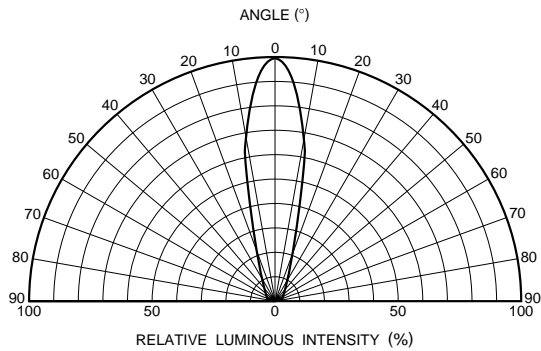


Fig.3 SLA-370 Directional pattern

LED lamps

●Electrical characteristic curves 1 (red)

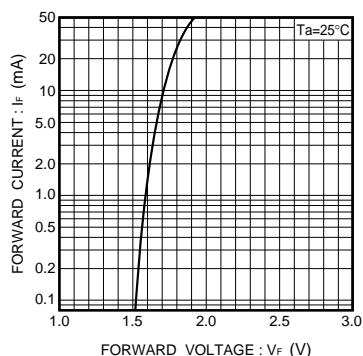


Fig.4 Forward current vs. forward voltage

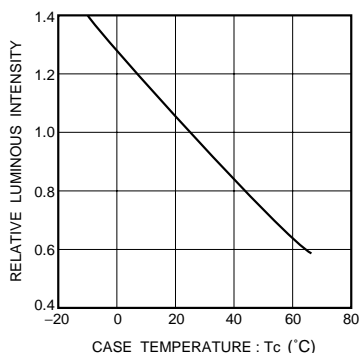


Fig.5 Luminous intensity vs. case temperature

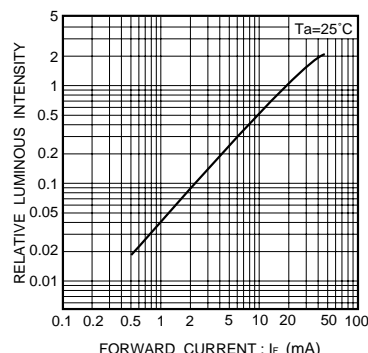


Fig.6 Luminous intensity vs. forward current

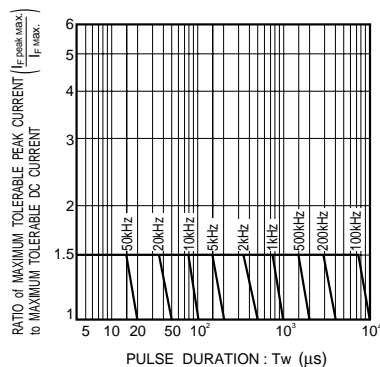


Fig.7 Maximum tolerable peak current vs. pulse duration

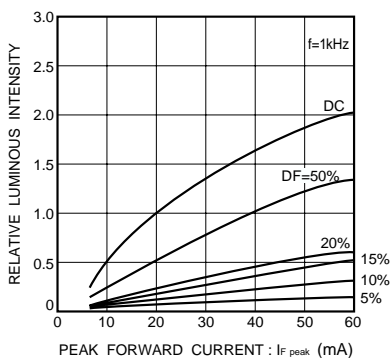


Fig.8 Luminous intensity vs. peak forward current

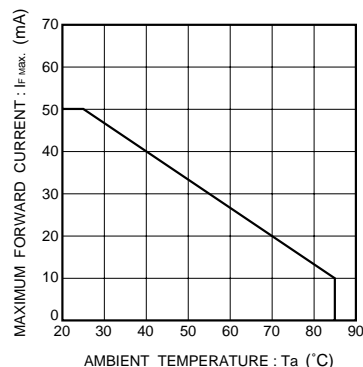


Fig.9 Maximum forward current vs. ambient temperature (Derating)

●Electrical characteristic curves 2 (green)

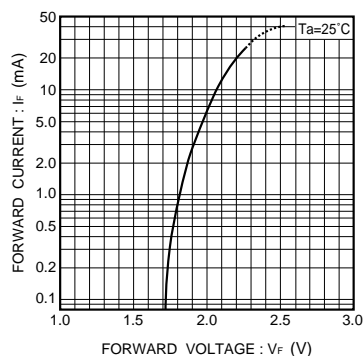


Fig.10 Forward current vs. forward voltage

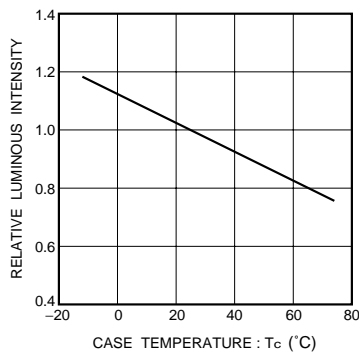


Fig.11 Luminous intensity vs. case temperature

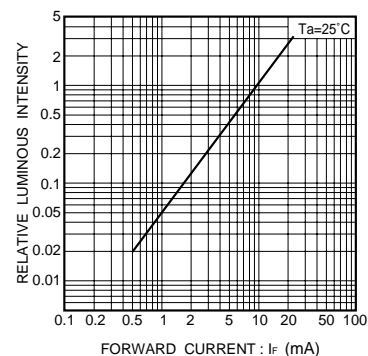


Fig.12 Luminous intensity vs. forward current

LED lamps

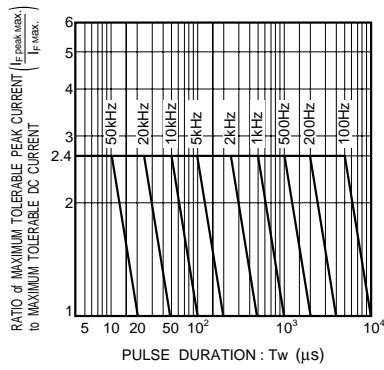


Fig.13 Maximum tolerable peak current vs. pulse duration

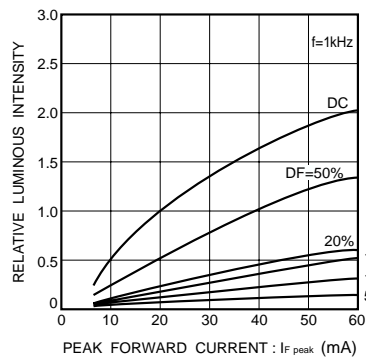


Fig.8 Luminous intensity vs. peak forward current

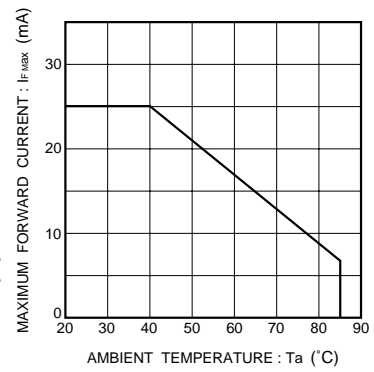


Fig.15 Maximum forward current vs. ambient temperature (Derating)