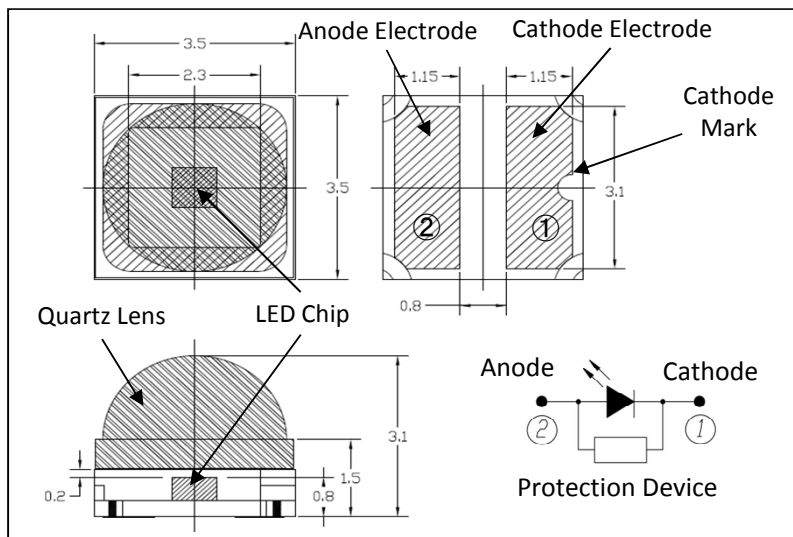


## MODEL YL-P3535F(35)-xxxnM(LU) series

### 3.5 x 3.5mm Metal Sealed SMD Hemispherical Lens Type

#### Mechanical Specifications and Materials (Unit: mm)



#### Product ID

**275nm: YL-P3535F(35)-275nM(LU)**

**280nm: YL-P3535F(35)-280nM(LU)**

**310nm: YL-P3535F(35)-310nM(LU)**

**325nm: YL-P3535F(35)-325nM(LU)**

**340nm: YL-P3535F(35)-340nM(LU)**

#### Typical Optical-Electrical Characteristics

**$I_F=350\text{mA}$ ,  $T_a=25^\circ\text{C}$**

Item	Symbol	Unit	275nM			280nM			310nM			325nM			340nM		
			Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max
Peak Wavelength(*)	$\lambda_p$	nm	270	275	280	275	280	285	303	308	313	320	325	330	335	340	345
Radiant Flux(**)	$P_o$	mW	18	26	35	18	26	35	22	35	44	22	32	40	22	32	40
Full Width at Half Maximum	$\Delta\lambda$	nm	-	11	-	-	11	-	-	14	-	-	12	-	-	10	-
Forward voltage	$V_F$	V	-	5.4	-	-	5.4	-	-	5.5	-	-	5.2	-	-	5.0	-
Viewing Half Angle	$2\theta_{1/2}$	deg.	-	35	-	-	35	-	-	35	-	-	35	-	-	35	-

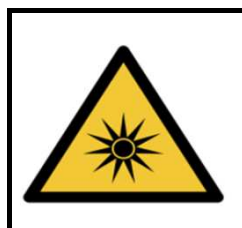
**$I_F=600\text{mA}$ ,  $T_a=25^\circ\text{C}$**

Item	Symbol	Unit	275nM			280nM			310nM			325nM			340nM		
			Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max
Peak Wavelength(*)	$\lambda_p$	nm	-	(275)	-	-	(280)	-	-	(308)	-	-	(325)	-	-	(340)	-
Radiant Flux(**)	$P_o$	mW	-	40	-	-	40	-	-	53	-	-	49	-	-	53	-
Full Width at Half Maximum	$\Delta\lambda$	nm	-	(12)	-	-	(12)	-	-	(15)	-	-	(12)	-	-	(10)	-
Forward voltage	$V_F$	V	-	6.0	-	-	6.0	-	-	6.0	-	-	5.5	-	-	5.2	-
Viewing Half Angle	$2\theta_{1/2}$	deg.	-	35	-	-	35	-	-	35	-	-	35	-	-	35	-

(\*)Peak Wavelength Measurement tolerance is  $\pm 3\text{nm}$ .

(\*\*)Radiant Flux Measurement tolerance is  $\pm 10\%$ .

Specification and dimension are subject to change for improvement without notice.

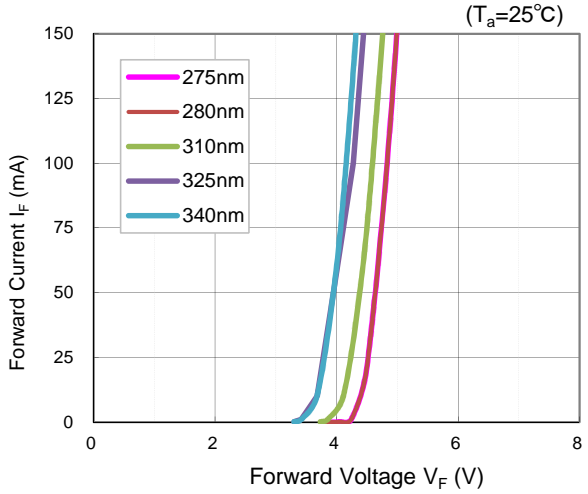


#### WARNING

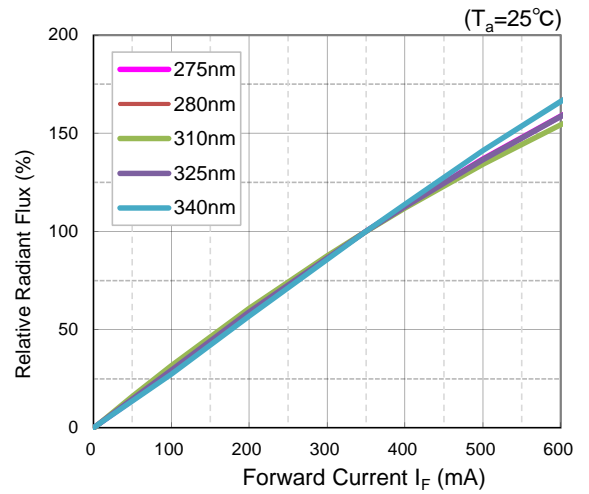
- LEDs emit very strong UV radiation.
- Do not look at the LED light with the naked eye or irradiate the skin. UV radiation can harm your eyes and skin.
- To prevent UV radiation exposure, wear protective eyewear and protective equipment.
- If LEDs are embedded in devices, please indicate warning labels against the UV light LED used.
- Keep out of reach of children.

## MODEL YL-P3535F(35)-xxxnM(LU) series 3.5 x 3.5mm Metal Sealed SMD Hemispherical Lens Type

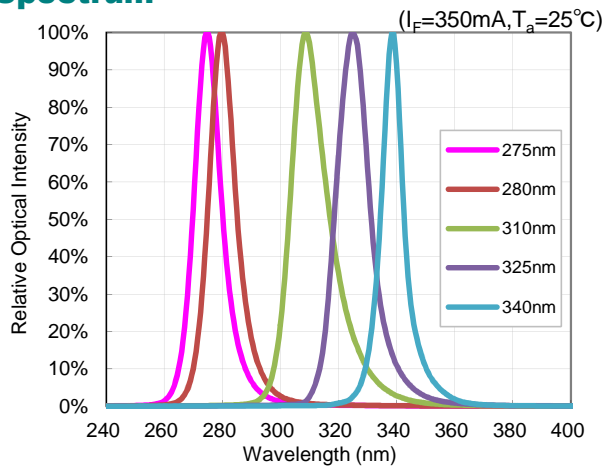
**Forward Voltage vs Forward Current**



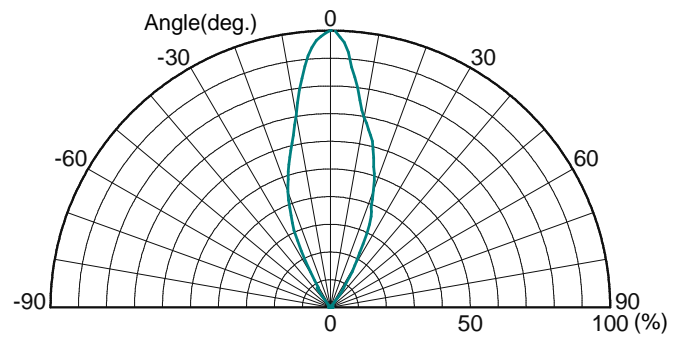
**Forward Current vs Radiant Flux**



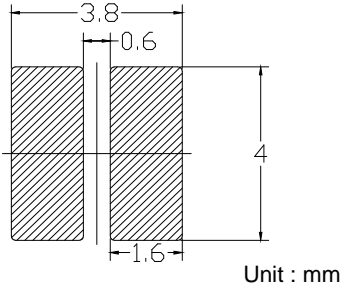
**Spectrum**



**Radiation Pattern**



**Recommended solder pad**



**Reflow soldering profile**

