

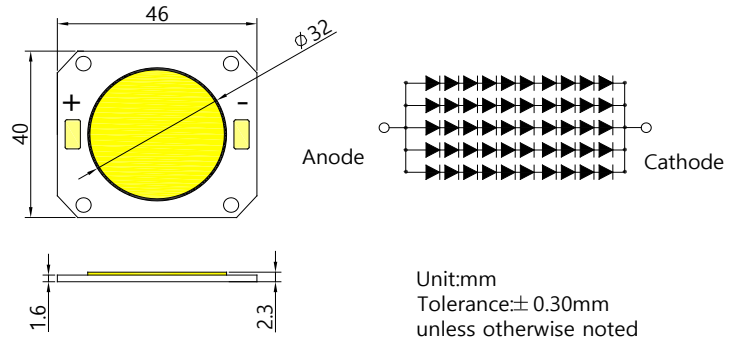
■Features

- High Luminous Flux
- Super Energy Efficiency
- Long Lifetime Operation
- Superior UV Resistance

■Applications

- Read lights (car, bus, aircraft)
- Portable (flashlight, bicycle)
- Bollards / Security / Garden
- Traffic signaling / Beacons
- Indoor / Outdoor commercial lights

■Outline Dimension



■Absolute Maximum Rating

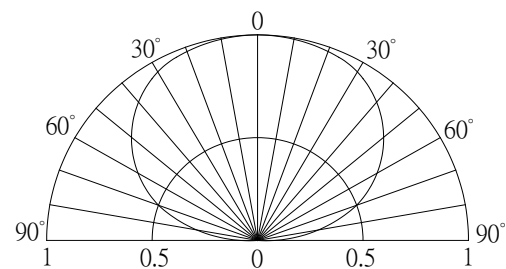
(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current#1	I _F	1700	mA
Pulse Forward Current# 2	I _{FP}	2500	mA
Reverse Voltage	V _R	50	V
Power Dissipation	P _D	54400	mW
Operating Temperature	T _{opr}	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +85	°C
Manual soldering(Solder Iron)	T _{sol}	350°C/5sec	-

#1. Power dissipation and forward current are the value when the module temperature is set lower than the rating by using an adequate heat sink.

#2. Pulse width Max.10ms Duty ratio max 1/10

■Directivity



■Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*	V _F	I _F =1500mA	-	30	32	V
DC Reverse Current	I _R	V _R =50V	-	-	100	μA
Luminous Flux*	Φ _v	I _F =1500mA	4000	4500	-	lm
Color Temperature*	CCT	I _F =1500mA	5000	6500	8000	K
Chromaticity	x	I _F =1500mA	-	0.31	-	-
Coordinates*	y	I _F =1500mA	-	0.33	-	-
50% Power Angle	2θ _{1/2}	I _F =1500mA	-	120	-	deg

Note: Don't drive at rated current more than 5s without heat sink for High Power series.

*1 Tolerance of measurements of forward voltage is ±0.1V

*2 Tolerance of measurements of luminous flux is ±15%

*3 Tolerance of measurements of color temperature is ±10%

*4 Tolerance of measurements of chromaticity coordinates is ±10%

LED & Application Technologies

