

High Power White LED: TOPLED-30W

SPECS NO: QT20071122-03

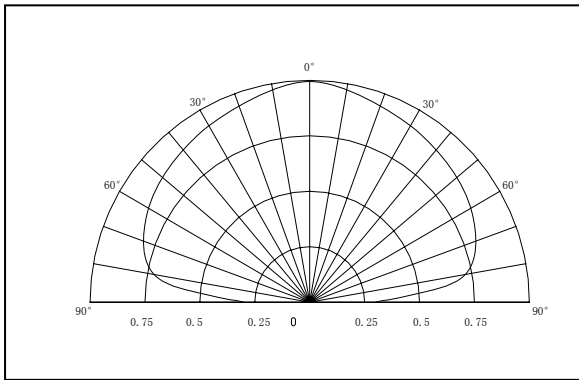
■ Characteristics

- High Power LED
- Lens Color : Water Clear
- Half Value Angle($2\theta_{1/2}$) : 170°
- Superior Weather-resistance
- UV Resistant Epoxy

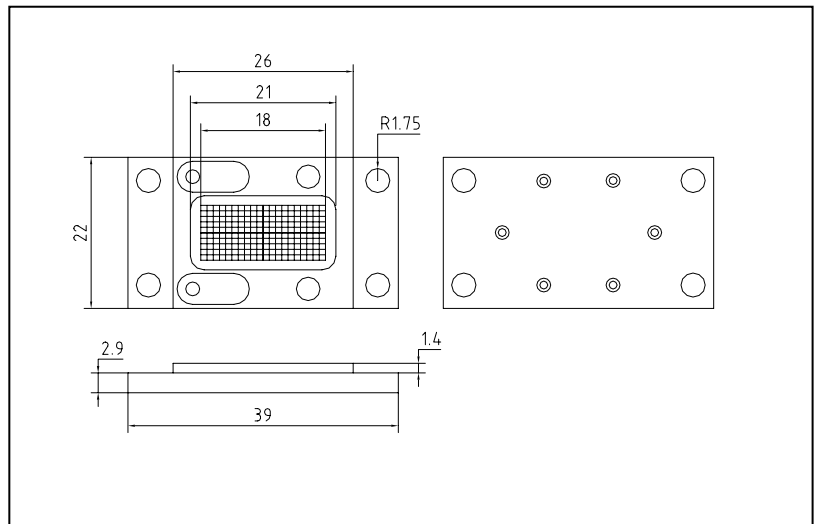
■ Application

- Advertisement
- Indicators
- Back Lights
- Illumination

■ Directivity



■ Outline Dimension



■ Electrical Optical Characteristics

Item	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Flux	ϕ	---	1400	---	Lm	IF=0.8A
Viewing Angle	$2\theta_{1/2}$	---	170	---	Deg	
Color Temperature	Tc	5000	---	7000	k	
Chromaticity coordinates	X	---	0.31	---	---	
	Y	---	0.31	---		
Forward Voltage	VF	---	35	---	V	
Reverse Current	IR	---	---	100	μA	VR=10V

※ Please Refer to CIE 1931 chromaticity diagram

High Power White LED: TOPLED-30W

SPECS NO: QT20071122-03

■ Absolute Maximum Rating ($T_J=25^\circ\text{C}$)

Item	Symbol	Maxabsolute	Unit
Power Dissipation	PD	30.0	W
Peak forward current (1/10 duty cycle, 0.1ms pulse width)	IFP	1500	mA
Continuous forward current	IF	800	mA
Derating linear from 50°C		0.4	mA/°C
Reverse voltage	VR	5	V
Operating temperature range	Topr	-40°C to +80°C	
Storage temperature range	Tstg	-40°C to +100°C	
soldering temperature	Tsod	260°C for 5 Seconds	

※ Pulse width Max 10ms Duty ratio Max 1/10

■ Optical Electrical Characteristics

