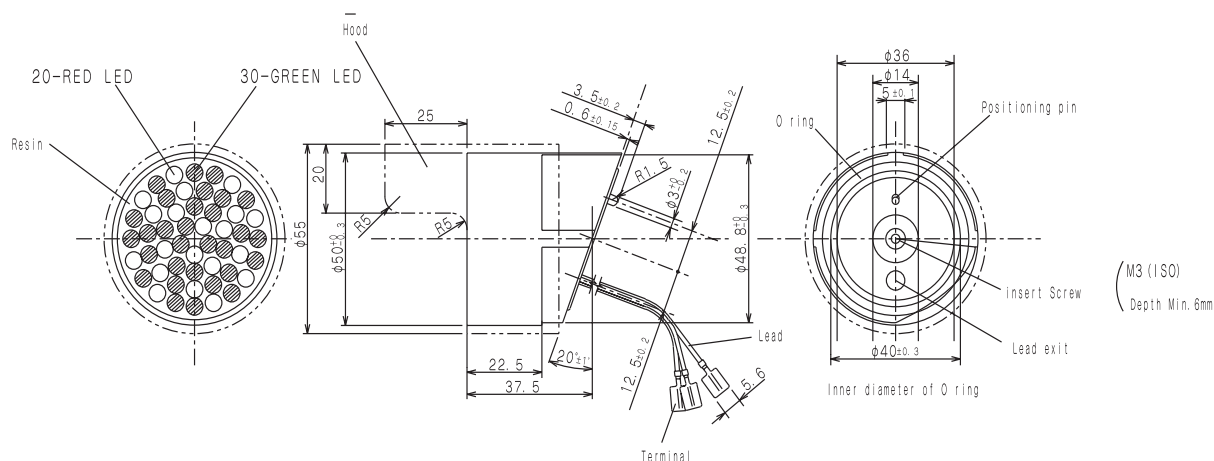


FULL COLOR LED LAMP FOR OUTDOOR

φ 50 mm LNQ15002

■ Outline Drawing



■ Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Condetions		Ratings	Unit
Pwer Dissipation	P _D	Red		1,300	mW
		Green		2,100	mW
		Blue		3,400	mW
Supply Current for LED	I _F	Red	25 mA × 2	50	mA
		Green	25 mA × 3	75	mA
Reverse Voltage	V _R	Red		30	V
		Green		40	V
Operating Ambient Temperature	T _{opr}			− 25 ~ + 60	°C
Storage Temperature	T _{stg}			− 30 ~ + 80	°C

■ Main Specifications (Ta = 25°C)

Item	Symbol	Condetions		Ratings	Unit
Forward Voltage	V _F	Red	I _F = 40 mA	Typ 18.0	V
		Green	I _F = 60 mA	Typ 22.0	V
Reverse Current	I _R	Red	V _R = 30 V	Max 200	μ A
		Green	V _R = 40 V	Max 30	μ A
Peak Emission Wavelength	λ _p	Red	I _F = 40 mA	Typ 650	nm
		Green	I _F = 60 mA	Typ 565	nm
Luminous Intensity	I _O	Red	I _F = 40 mA	Typ 5.0	cd
		Green	I _F = 60 mA	Typ 4.5	cd
		Amber	I _F = 100 mA	Typ 9.5	cd
Viewing Angle (1 cd up)	θ	Amber	I _F = 100 mA	Typ ± 36	°
Mass				50	g

Caution for Safety

 **DANGER**

Gallium arsenide material (GaAs) is used in this product.

Therefore, do not burn, destroy, cut, crush, or chemically decompose the product, since gallium arsenide material in powder or vapor form is harmful to human health.

Observe the relevant laws and regulations when disposing of the products. Do not mix them with ordinary industrial waste or household refuse when disposing of GaAs-containing products.

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