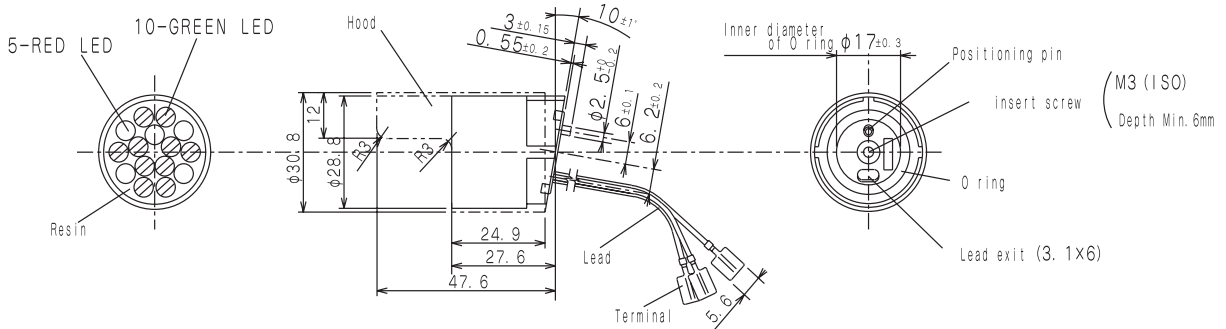


FULL COLOR LED LAMP FOR OUTDOOR

φ 30 mm LNQ13001

■ Outline Drawing



■ Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Conditions		Ratings	Unit
Power Dissipation	P _D	Red		300	mW
		Green		700	mW
		Blue		1,000	mW
Supply Current for LED	I _F	Red	25 mA × 1	25	mA
		Green	25 mA × 2	50	mA
Reverse Voltage	V _R	Red		15	V
		Green		20	V
Operating Ambient Temperature	T _{opr}			- 25 ~ + 60	°C
Storage Temperature	T _{stg}			- 30 ~ + 80	°C

■ Main Specifications (Ta = 25°C)

Item	Symbol	Conditions		Ratings	Unit
Forward Voltage	V _F	Red	I _F = 20 mA	Typ 9.0	V
		Green	I _F = 40 mA	Typ 11.0	V
Reverse Current	I _R	Red	V _R = 15 V	Max 100	μ A
		Green	V _R = 20 V	Max 20	μ A
Peak Emission Wavelength	λ _p	Red	I _F = 20 mA	Typ 650	nm
		Green	I _F = 40 mA	Typ 565	nm
Luminous Intensity	I _O	Red	I _F = 20 mA	Typ 1.2	cd
		Green	I _F = 40 mA	Typ 1.3	cd
		Amber	I _F = 60 mA	Typ 2.5	cd
Viewing Angle (1 cd up)	θ	Amber	I _F = 60 mA	Typ ± 25	°
Mass				25	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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