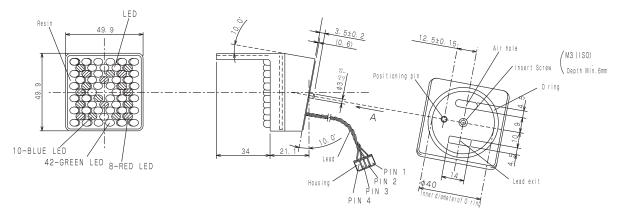
FULL COLOR LED LAMP FOR OUTDOOR

50 mm × 50 mm LNQ70502

■ Outline Drawing



Viewing from A position

■ Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Condetions		Ratings	Unit
Supply Current for LED		Red	25 mA × 1	25	mA
	I_R	Green	30 mA × 6	180	mA
		Blue	20 mA × 2	50	mA
Reverse Voltage		Red		24	V
	V_R	Green		28	V
		Blue		25	V
Operating Ambient Temperature	Topr			- 20 ~ + 60	°C
Storage Temperature	Tstg			- 30 ~ + 80	°C

■ Main Specifications (Ta = 25°C)

Item	Symbol	Condetions		Ratings	Unit
Forward Voltage	V_{F}	Red	$I_F = 20 \text{ mA}$	Typ 14.4	V
		Green	$I_F = 150 \text{ mA}$	Typ 15.4	V
		Blue	$I_F = 40 \text{ mA}$	Typ 20	V
Reverse Current	I_R	Red	$V_R = 24 \text{ V}$	Max 100	μΑ
		Green	$V_R = 28 \text{ V}$	Max 60	μΑ
		Blue	$V_R = 25 \text{ V}$	Max100	μΑ
Peak Emission Wavelength		Red	$I_F = 20 \text{ mA}$	Тур 650	mm
	λ _P	Green	$I_F = 150 \text{ mA}$	Typ 565	mm
		Blue	$I_F = 40 \text{ mA}$	Typ 450	mm
Luminous Intensity	I _O	Red	$I_F = 20 \text{ mA}$	Typ 3.0	cd
		Green	$I_F = 150 \text{ mA}$	Typ 10.7	cd
		Blue	$I_F = 40 \text{ mA}$	Typ 4.2	cd
Viewing Angle (50 % Luminouse)	2θ 1/2	Red		70.0	0
		Green		70.0	
		Blue		70.0	
Mass				60	g

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Caution for Safety



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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 - Any applications other than the standard applications intended.
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