

SPECIFICATION**MODEL : RGB3****2013. 02. 01**

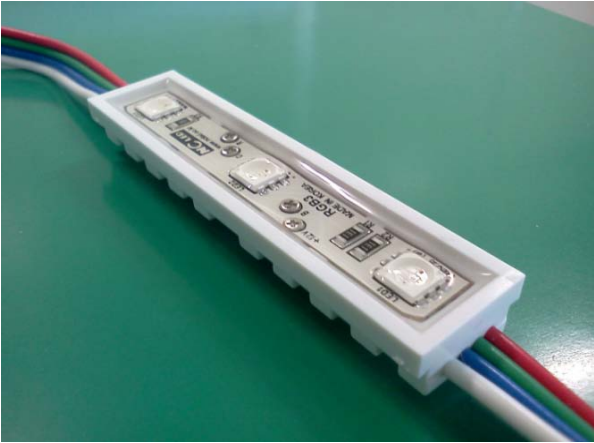
Checked	Supplier		Customer
	Written by	Approved by	Approved by

NCLED CO. LTD

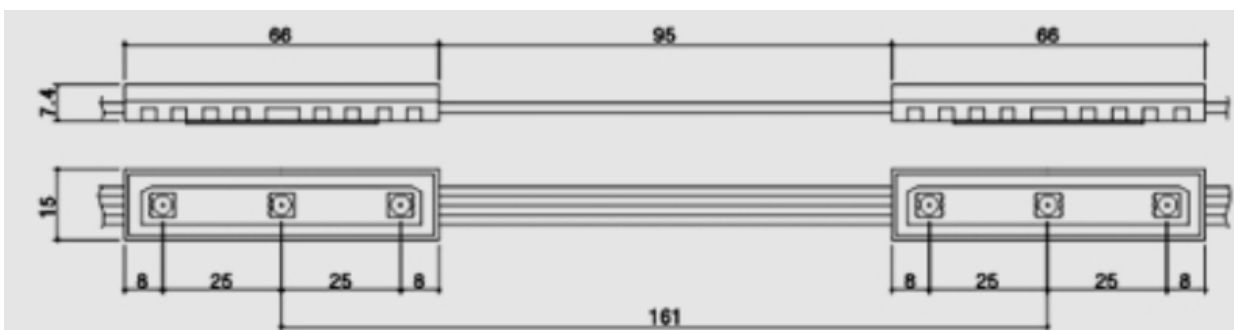
1. SPECIFICATION

Item	Value				Unit
	W	R	G	B	
Power Dissipation	0.72				Watt
Forward Voltage	12				VDC
Forward Current	60				mA
L E D Quantity	3				EA
Drive	Constant Voltage				EA
Luminous intensity	6600	2100	3600	900	mcd
Luminous Flux	20	6.3	10.8	2.7	Lumen
Lumen per watt	28	26	45	11	lm/W
CCT(K)	-	-	-	-	Kelvin
Wavelength	-	620~630	520~530	455~465	nm
CRI	-	-	-	-	%
Viewing angle	120°				°
L E D Pitch	25				mm
Module Pitch	160				mm
Size	66*15*8				mm
Weight	15				g
Max in series	50				EA
Operating Temp	-20 ~ 60				°C
Storage Temp	-30 ~ 70				°C
Waterproof	IP68				
L I F E TIME	50,000				Hour
Cable	AWG18 *4C, 300V/80°C				
Case materials	ABS-HI121, HB-class				

2. RGB3 Image



3. DIMENSION



4. LED Specification

Absolute Maximum Ratings

(Ta = 25°C)

Items	Symbol	Absolute Maximum Ratings		Unit
Power Dissipation	Pd	Red	72	mW
		Green	108	mW
		Blue	108	mW
Forward Current **	If	Red	30	mA
		Green	30	mA
		Blue	30	mA
Pulse Forward Current	IFP	Red	100	mA
		Green	100	mA
		Blue	80	mA
Reverse Voltage	VR	5		V
Operating Temperature	Topr	-30 ~ +85		°C
Storage Temperature	Tstg	-40 ~ +100		°C
Soldering Temperature	Tslid	Reflow Soldering : 260°C for 10sec.		
		Hand Soldering : 350°C for 2sec.		

** IFP Conditions : Pulse Width = 10ms, Duty Ratio = 1/10

