

<b>SPECIFICATION</b>
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**MODEL : RGB3-LW2**

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**( Wide Angle - 140° )**

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**Full Color (RGB) Module**

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Supplier		Customer
Written by	Approved by	Approved by

**NCLED CO., LTD**

**Product Image**



**Characteristic**

CE, UL, KS CERTIFIED



**Lens - Viewing Angle 140°**

- EXCELLENT TRANSMISSIVITY & UNIFORMITY
- APPLICABLE FOR LOWER CHANNEL LETTER

**Polycarbonate Cover**

- PROTECTION DESIGN FROM Sulfur dioxide(SO2)
- TRACEABILITY MANAGEMENT SYSTEM
- QUALITY CONTROL MARKING SERIAL CODE

**COMPACT DESIGN AND CONVENIENT USABILITY**

- 3M Tape
- COST REDUCTION FOR MAINTENANCE

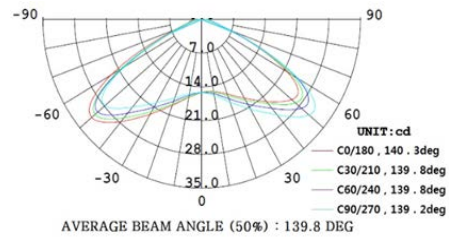
**Waterproof design - IP68**

**Long life time - 50,000 Hr**

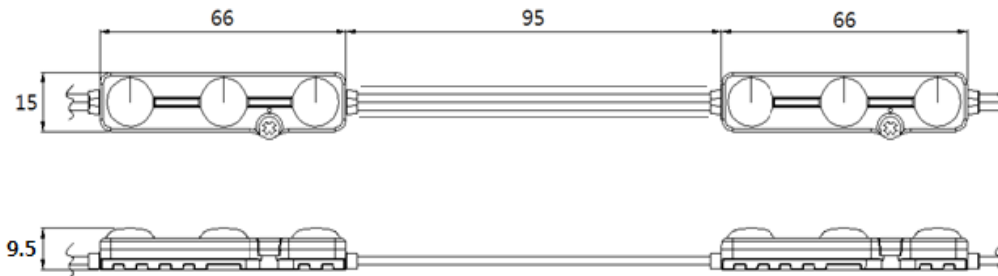
**Application note**

- MODIFIED FOR LOWER CHANNEL LETTER
- BACK LIGHT FOR LIGHT BOX
- OUTDOOR INSTALLATIONS

**Photometric characteristics**



**Dimension**



**Specification**

Item	Value				unit
Color	RED	GREEN	BLUE	WHITE	-
Power Dissipation	0.72				W
Forward Voltage	12				Vdc
Forward Current	60				mA
Luminous Flux	6.3	12.6	2.7	21.6	lm
Luminance Efficiency	26	53	11	30	lm/W
CCT (K)	RED	GREEN	BLUE	WHITE	K
Wave length(Peak)	620~625	520~525	460~465	-	nm
LED Spec	RGB-5050pkg, 0.2W x 3EA				-
Viewing angle	140°				deg
Module Pitch	160±5				mm
Dimension	66 x 15 x 7.4				mm
Weight	12				g
Max in series	50				EA
Operating Temp	-20 ~ 50				°C
Waterproof	IP68				-
Life Time	50,000				Hour
Cable Wire	UL-1007, Awg18x4C or CCA				-
Case materials	ABS, UL-94				-
Encapsulant materials	Polycarbonate, UL-94				-

**Block Diagram (Connection)**

