

<b>SPECIFICATION</b>
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**MODEL : ECO3S-LW-V2**

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**( Wide Angle - 140° )**

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**Samsung LED**

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Supplier		Customer
Written by	Approved by	Approved by

**NCLED CO., LTD**

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**Product Image**



**Characteristic**

CE, UL, KS CERTIFIED



**Lens - Viewing Angle 140°**

- 140° WIDE ANGLE OPTIC LENS APPLIED
- 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**

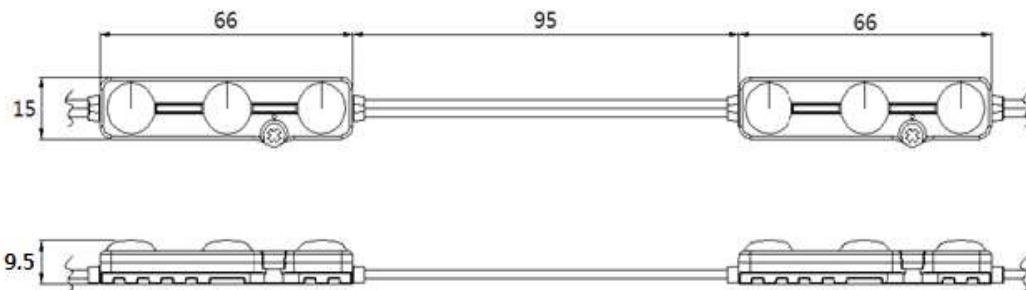
**HIGH EFFICIENCY - 96 lm/W (6500K)**

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

**Application note**

- BEST SUBSTITUTE FOR CHANNEL LETTER SIGNAGE
- MODIFIED FOR LOWER CHANNEL LETTER
- BACK LIGHT FOR LIGHT BOX
- OUTDOOR INSTALLATIONS

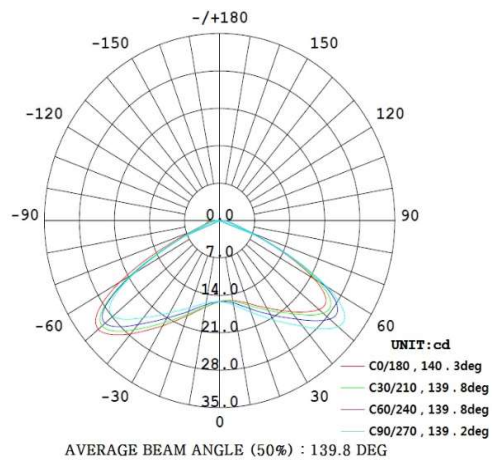
**Dimension**



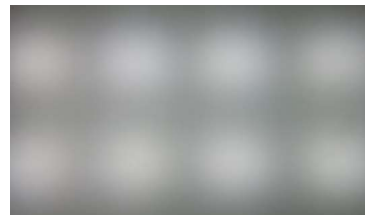
## Specification

Item	Value					unit
Model no	W30	W40	W65	W95	W12	-
Power Dissipation	1					W
Forward Voltage	12					Vdc
Forward Current	83					mA
Luminous Flux	90	96	96	93	93	lm
Luminance Efficiency	90	96	96	93	93	lm/W
CCT(K), ±7%	3000	4000	6500	9500	12000	K
CRI (Ra)	80	80	80	80	80	Ra
LED Spec	2835 pkg, 0.5W x 3EA (SamsungLED)					-
Viewing angle	140°					deg
Module Pitch	160±5					mm
Dimension	66 x 15 x 9.5					mm
Weight	9.5					g
Max in series	50 (Recommend : 35EA)					EA
Operating Temp	-20 ~ 50					°C
Waterproof	IP68					-
Life Time	50,000					Hour
Cable Wire	UL-AWM2468, awg20x2C					-
Case materials	ABS, UL-94					-
Cover materials	Polycarbonate, UL-94					-

## Photometric characteristics



Angle 120° (Height: 80mm)



Angle 140° (Height: 80mm)

