

<b>SPECIFICATION</b>
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**MODEL : ECO3S-HW2**

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**( Wide Angle - 140° )**

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**Samsung LED**

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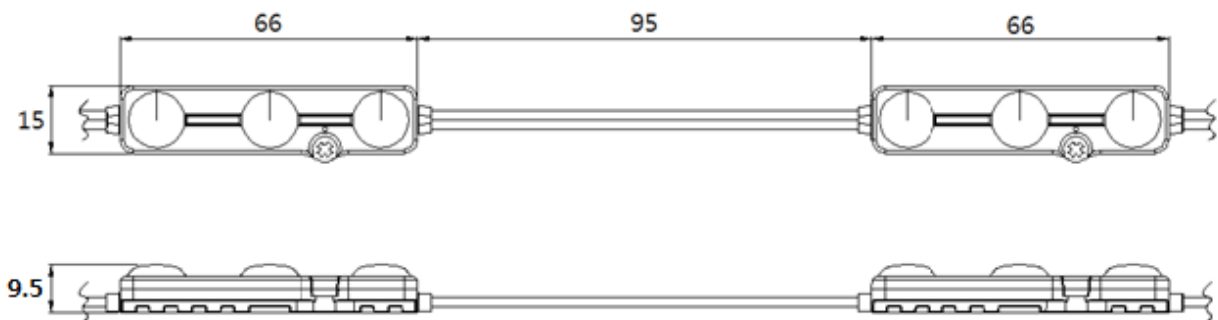
Supplier		Customer
Written by	Approved by	Approved by

**NCLED CO., LTD**

**Product Image**



**Dimension**



**Characteristic**

**Technological Innovation Certification**



**Lens - Viewing Angle 140°**

- Optimized for channel heights 70~120mm
- Perfect uniformity ratio of illumination
- Reduce LED module usage

**Polycarbonate Cover**

- LED protection against Sulfur dioxide(SO2) and hazardous substances
- Capable of wet exposed applications with durable weather protective molding
- Prevention against defect while installing

**Compact design and easy installation**

- 3M double sided tape
- Cost-reduction in installation

**Perfect humid & waterproof (enhanced-IP68)**

**High efficiency in energy saving - 95 lm/W**

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

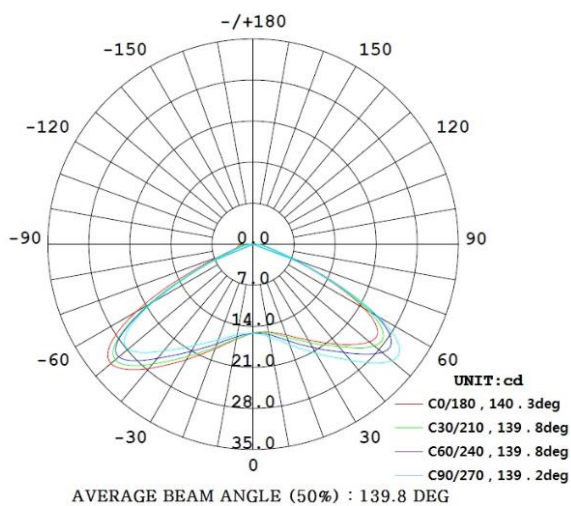
**Application note**

- Advertising Sign Board
- Channel letter lighting
- Any decorative lighting
- Architectural, outdoor, exterior lighting

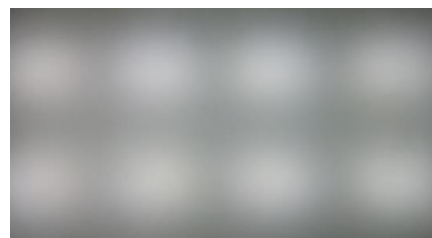
## Specification

Item	Value					unit
Model no	W30	W40	W65	W95	W12	-
Power Dissipation	1.2					W
Forward Voltage	12					Vdc
Forward Current	100					mA
Luminous Flux	105	112	112	108	108	lm
Luminance Efficiency	88	93	93	90	90	lm/W
CCT (K)	3000K	4000K	6500K	9500K	12000K	K
CRI (Ra)	80	80	80	75	75	Ra
LED Spec	2835 pkg, 0.2W SAMSUNG x 3EA					-
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 (권장수량: 35EA)					EA
Operating Temp	-20 ~ 50					°C
Waterproof	IP67					-
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)

