SPECIFICATION

MODEL : LX-HLC SERIES-W

Powered by **LG Innotek**

	Supplier		Customer
	Written by	Approved by	Approved by
CHECKED			

NCLED CO. LTD

Head Office : 4F Mirae B/D Amsa-dong, Kangdong-gu, Seoul, Korea
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1. Characteristic

Most Preferred Best seller LED module solution (CE, UL Certified)

Constant current drive - "Fully warranted Stability" with high energy efficiency

Constant Luminosity & Current flow to Max. 50 modules in series

SMD LED mounted (Made in Korea)

Slight current drop through wire to wire connection (vs. Soldering)

Reverse current protection

Reasonable price for your best business competitiveness.

High luminosity & Compact design.

Long life LEDs last for year (45,000 hours)

120° viewing angle creates more uniform backlighting effects and better silhouettes.

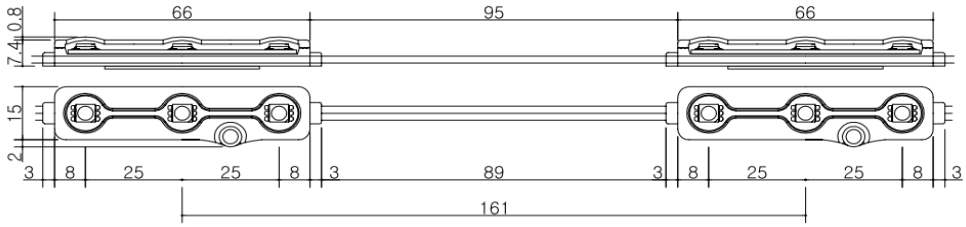
Enhanced Function

- Evolution to Sophisticated & Innovative design
- Specialized design for Perfect Humid & Waterproof (Enhanced IP68)
- Better LED protection with Lens covered design from luminosity degradation caused by yellowing
- (Adhering) Screw built-in for easy and quick installation
- Effective Quality Control with a Tracing system (Production date marking)

Product 2. HLC3S-W



Dimension



Specification

Item	Value	Unit
	W	
Power Dissipation	0,72	Watt
Forward Voltage	12	VDC
Forward Current	60	mA
Luminous intensity	18000	mcd (Typ.)
Luminous intensity	58	lm (Typ.)
Lumen/Watt	80	lm/W
CCT(K)	8000	Kelvin
Wave Length	455	nm
CRI	70	%
Viewing angle	120°	°
L E D / Module Pitch	25 / 161	mm
Size	72*17*8.2	mm
Weight	10	g
Max in series	50	EA
Operating Temp	-20 ~ 60	℃
Storage Temp	-30 ~ 70	℃
Waterproof	IP68	
Life Time	45000	Hour
Cable	UL, AWM2468 300V/80	
Case materials	UL, ABS-HI121, HB-class	

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Absolute Maximum Ratings

Items	Symbol	Ratings	Unit
Forward Current	I_F	80	mA
Pulse Forward Current *1)	I_{Fp}	150	mA
Power Consumption	P_D	272	mW
Operating Temperature	T_{opr}	-30 ~ +85	℃
Storage Temperature	T_{stg}	-40 ~ +100	℃
Junction Temperature	T_j	< 110	℃

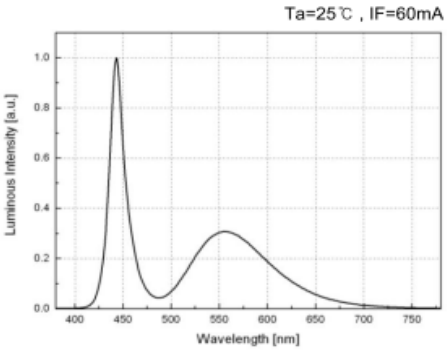
*1) Pulse Width ≤ 30msec, Duty ≤ 10%

Electro – Optical –Thermal Characteristics

(Ta=25℃)

Items	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	V_F	I_F=60[mA]	3.0	-	3.4	V
Reverse Voltage *1) (Zener Diode)	V_R	I_R =10[mA]	0.6	-	1.2	V
Luminous Flux	Φ_V	I_F=60[mA]	20	21		lm
Luminous Intensity	Iv	I_F=60[mA]	6.4	6.7		cd
CIE Value	X / Y	I_F=60[mA]	Refer to '6. Rank Sorting Method'			-
Viewing Angle	2Θ1/2	I_F=60[mA]	-	120	-	deg
Color Rendering Index	Ra	I_F=60[mA]	60	-	-	-

■ **Spectrum**



■ **Radiation Characteristics**