



HANYOUNG NUX HL Series Basic Type Panel Lamp Instruction Manual

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HANYOUNG nux

HANYOUNG NUX HL Series Basic Type Panel Lamp



Product Information

Model Name: HL series

Dimensions: Various sizes available (HL-100,HL-200, HL-300, HL-500)

Manufacturer: Hanyoung Nux

Manufacturer Address: 28, Gilpa-ro 71beon-gil,Michuhol-gu, Incheon, Korea

Contact: TEL: +82-32-876-4697, Website:
www.hanyoungnux.com

Instruction Manual: MK2101KE220914

Safety Information

Please read the safety information carefully before using the product. The alerts declared in the manual are classified into Danger and Warning according to their importance.

- **Danger:** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
- **Warning:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

Specifications

Model Name	Lens Color	Light Color (Default)	Color Temperature (Default)	Brightness (at 1m)	Efficiency	LED Model	LED Chip Characteristics	Product Life	Rated Voltage
HL-100	Transparent	Daylight color	6,000 ~ 7,000 K	459 lm	147 lm/W	LG Innotek G3 series (LEMW5.S259R80FZ)	LM80 certification, Robust immunity to electrostatic discharge (ESD)	Min. 50,000 hours	DC 24 V / AC 110 – 220 V
HL-200	Transparent	Daylight color	6,000 ~ 7,000 K	509 lm	156 lm/W	LG Innotek G3 series (LEMW5.S259R80FZ)	LM80 certification, Robust immunity to electrostatic discharge (ESD)	Min. 50,000 hours	DC 24 V / AC 110 – 220 V
HL-300	Transparent	Daylight color	6,000 ~ 7,000 K	459 lm	147 lm/W	LG Innotek G3 series (LEMW5.S259R80FZ)	LM80 certification, Robust immunity to electrostatic discharge (ESD)	Min. 50,000 hours	DC 24 V / AC 110 – 220 V
HL-500	Transparent	Daylight color	6,000 ~ 7,000 K	509 lm	156 lm/W	LG Innotek G3 series (LEMW5.S259R80FZ)	LM80 certification, Robust immunity to electrostatic discharge (ESD)	Min. 50,000 hours	DC 24 V / AC 110 – 220 V

Product Usage Instructions

Installation

1. Select the appropriate size of the HL series light for your application (HL-100, HL-200, HL-300, or HL-500).
2. Ensure that the power supply matches the rated voltage of the light (DC 24 V or AC 110 – 220 V).
3. Mount the light securely in the desired location using appropriate mounting brackets or fixtures.

Power Connection

The HL series lights support both DC and AC power connections.

- For DC power connection, use a non-polar 24 V DC power source.
- For AC power connection, use a 110 – 220 V AC power source with a frequency of 50/60 Hz.

Operation

Once the HL series light is installed and powered, it will emit a bright daylight color light with a color temperature of 6,000 ~ 7,000 K. The brightness of the light can be adjusted based on the distance from the light source.

Maintenance

To ensure optimal performance and longevity of the HL series light, follow these maintenance guidelines:

- Regularly clean the lens to remove dust or dirt that may accumulate over time.
- Check the power connections periodically to ensure they are secure and free from any damage.
- If any abnormalities or malfunctions are observed, discontinue use and consult the manufacturer for assistance.

Frequently Asked Questions (FAQ)

Q: What is the lifespan of the HL series lights?

A: The HL series lights have a minimum lifespan of 50,000 hours.

Q: Can the HL series lights be used outdoors?

A: The HL series lights are suitable for indoor use only.

Q: Can I connect multiple HL series lights in parallel?

A: Yes, you can connect multiple HL series lights in parallel as long as the total power consumption does not exceed the power supply capacity.

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Thank you for purchasing Hanyoung Nux products. Please read the instruction manual carefully before using this product, and use the product correctly. Also, please keep this manual where you can view it any time.

Safety information

Please read the safety information carefully before the use, and use the product correctly.

The alerts declared in the manual are classified into Danger and Warning according to their importance.

DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury

WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury

DANGER

- The input/output terminals are subject to electric shock risk. Never let the input/output terminals come in contact with your body or conductive substances.

WARNING

- Do not install the product in humid or wet places.
- Use the AC power input wire with a thickness of 1.5SQ or more.
- Please contact the electric construction lighting company for LED lighting work.
- Do not handle the light with wet tools or wet hands, and do not use chemical cleaners.
- Do not drop the product or apply excessive force to it.
- After checking the supply voltage of the LED lighting, check the product connection method and specifications, and then connect the power.
- Please consult a specialist when using the product in special environments.
- When connecting the power cable to the product, be sure to turn off the power first.

Suffix code

Model	Code					Content
HL				–		Basic type panel lamp
Size	1	0	0			Length/225.5mm
	2	0	0			Length/285.5mm
	3	0	0			Length/345.5mm
Input voltage type					A	110 – 220 V a.c.
					D	24 V d.c.

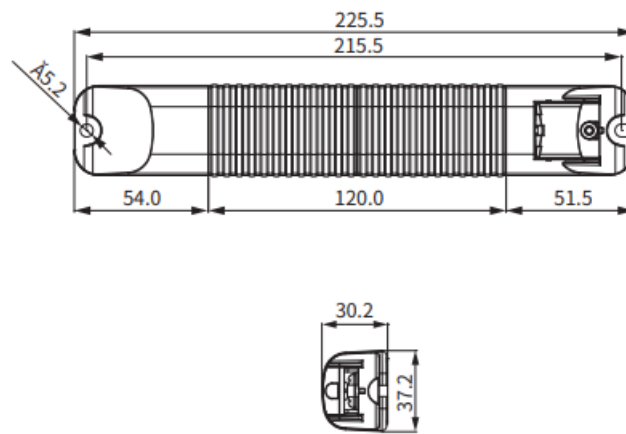
Specifications

Model name		HL100	HL200	HL300
	Lens color	Transparent		
	Light color (default)	Daylight color		
	Color temperature			

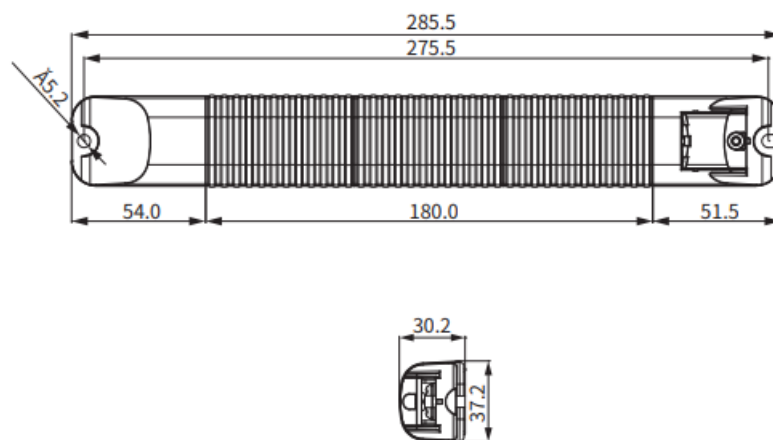
prOopteicrta iles	(default)		6,000 ~ 7,000 K		
	IRuamteedn	DC	459 lm	449 lm	459 lm
		AC	509 lm	1044 lm	1063 lm
	Br(aigh1tnm e)ss	DC	156 lux	149 lux	156 lux
		AC	205 lux	318 lux	368 lux
	effiLcigiehnrc y	DC	147 lm/W	148 lm/W	151 lm/W
		AC	102 lm/W	109 lm/W	110 lm/W
speGceifnce artailons	LED model		LG Innotek G3 series (LEMWS59R80FZ) LM80 certification Robust immunity to electrostatic discharge (SD)		
	LED chip characteristics Product life		(with Zener diode protection circuit inside the LED chip)		
	(LED standard)		Min. 50,000 hours		
	R(aFreedqu veonltcay)g	DC	24 V d.c. (non-polar)		
		AC	220 V a.c. (50/60 Hz)		
	consCuumrr petniotn(A)	DC	0.130	0.126	0.127
		AC	0.023	0.046	0.046
	consuPmowp teior n(W)	DC	3.13	3.03	3.05
		AC	5.0	9.6	9.7
	renCdoelorr ng index	DC	89	89	88
		AC	88	87	88
Reliability	Dielectric strength		3,000 V a.c., 60 Hz, 1 minute No abnormality		
	Operating temperature		-20 °C ~ +60 °C		
	ON/OFF test		ON/OFF repeated test 50,000 times every 3 seconds No abnormality		
	Aging test DC		Over 96 hours of operation at rated voltage No abnormality		
	Approval		CE		
		AC	CE K		
	Weight	DC	102 g	124 g	148 g
		AC	106 g	130 g	150 g

Dimensions

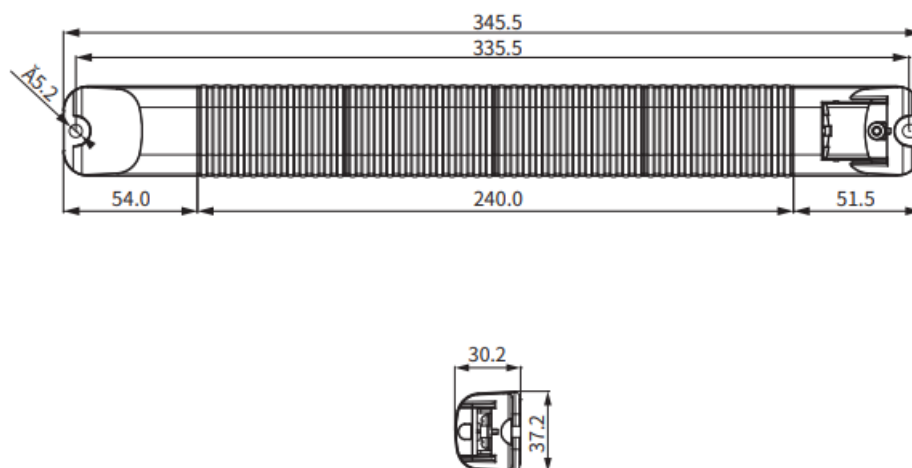
HL100-A / HL100-D



HL200-A / HL200-D

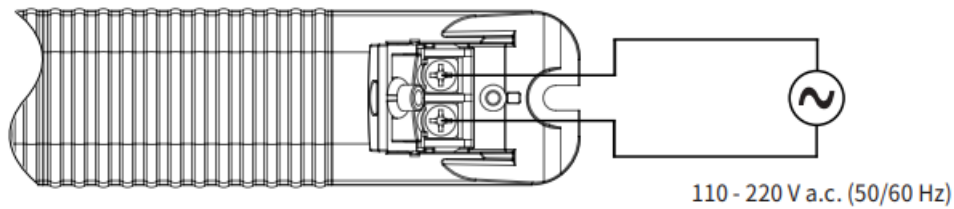


HL300-A / HL300-D

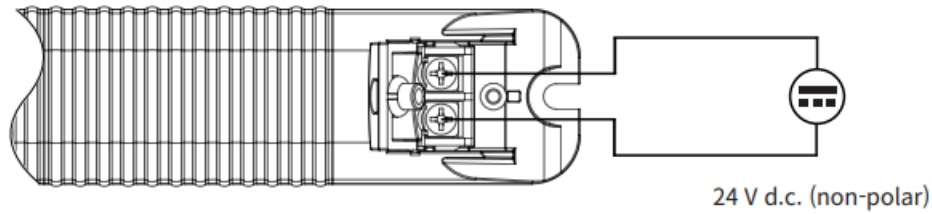


Connection diagrams

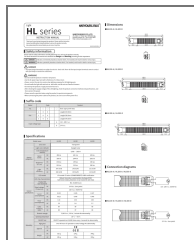
HL100-A / HL200-A / HL300-A



HL100-D / HL200-D / HL300-D



Documents / Resources



[HANYOUNG NUX HL Series Basic Type Panel Lamp](#) [pdf] Instruction Manual
HL100-A, HL100-D, HL300-A, HL300-D, HL200-A, HL200-D, HL Series, HL Series Basic Type
Panel Lamp, Basic Type Panel Lamp, Type Panel Lamp, Panel Lamp, Lamp

References

- [User Manual](#)