

# Technical Datasheet

## LED Panel NLO



 METALIGHT

# Introduction



Featuring louver reflectors design technology, PL-A panel light offers the ideal combination of stylish design and optimum performance for both task and general lighting. Ensures optimum light distribution and full glare control in compliance with the latest office-lighting (UGR<19). The louver reflectors optic consists of a single plate and is embedded in a housing made of high-quality natural anodized aluminum.

## Features:

1. LED panel light back lit with louver reflectors design.
2. Lumen output: 4000Lm@4000K CRI 80.
3. luminous efficacy: 115 lm/w.
4. Ideal replacement for traditional 3x24W HO T5 and 3x18W T8 fluorescent louver luminaires, and side lit LED panel light .
5. Installation: Suspended / Recessed.
6. UGR<19.

## Application notes

- IP40 for indoor use only
- Professional electrician for installation only
- Switch off before installation
- Do not touch when in use
- Keep away from hot steam and corrosive gas

## Application Areas

Office & school lighting: office, meeting room, class room etc. Commercial lighting: shopping mall, super market, retailer shops etc. Other situations: hospital, laboratory, dust-free workshop etc.

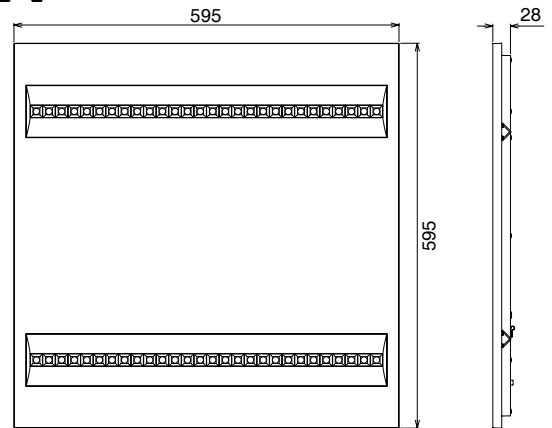
## Certificates



**RoHS**



# Product Information



## Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	CCT	Beam angle	Lifespan	CRI	Dimmable	Dimension
INTERNOVA LED PANEL NLO	AC230V	35W	≥0.9	3570	3000K	90°	50000h	≥80	Optional	595*595*28mm
				3850	4000K					

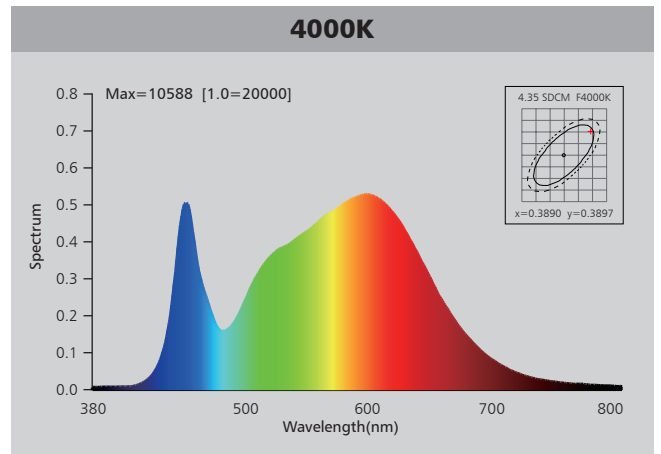
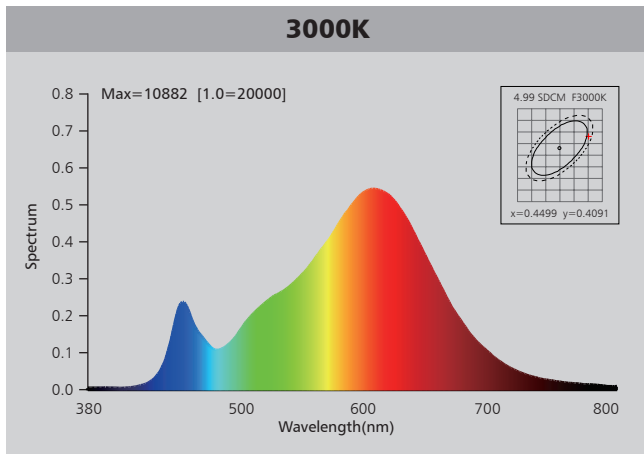
## Driver data Sheet

Driver data	Non-dim
Input rated Voltage	AC230V
Frequency	50Hz
Input Voltage	AC220-240V
Efficiency	≥86%
Total load Wattage	35W±5%
Power Factor	≥0.9
Rated input current	≤0.2A
Full load output Voltage	DC28-40V
Rated output current	850mA
Output current range	850mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Dimming range	—
Dimmer	—
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
Withstand voltage	AC3750V

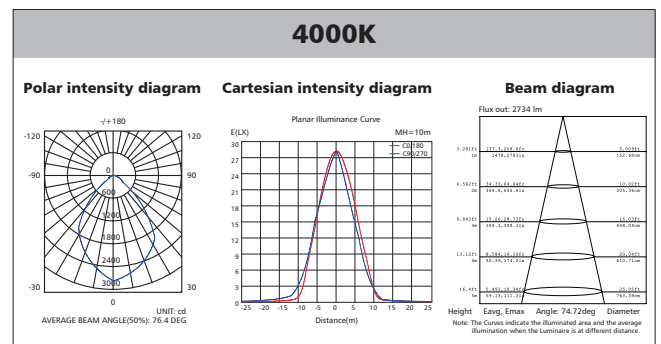
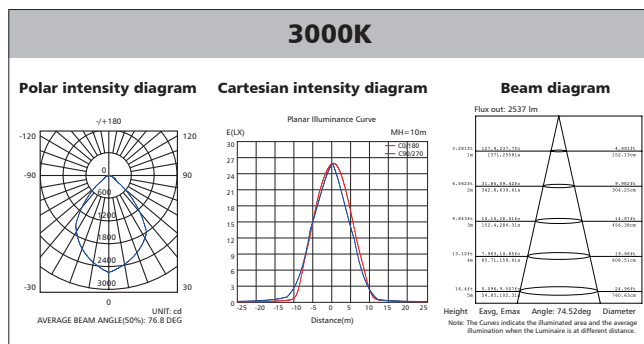
## Fixture Compatibility

Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
35W	II	IP40	-20°C~45°C	0~90%	-20°C~65°C

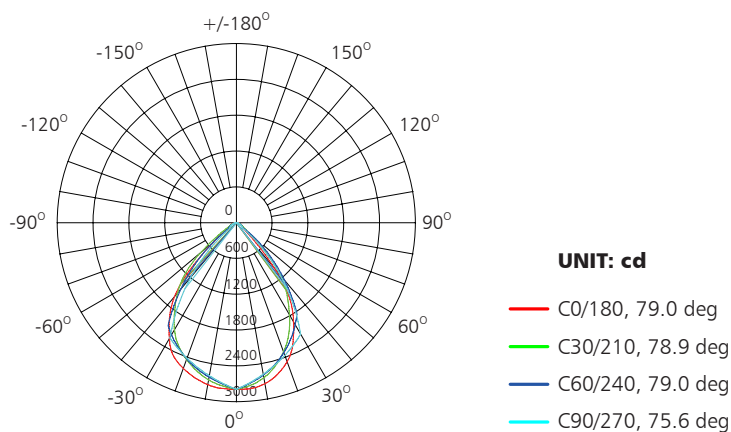
# Spectral Distribution



# Photometric Diagram



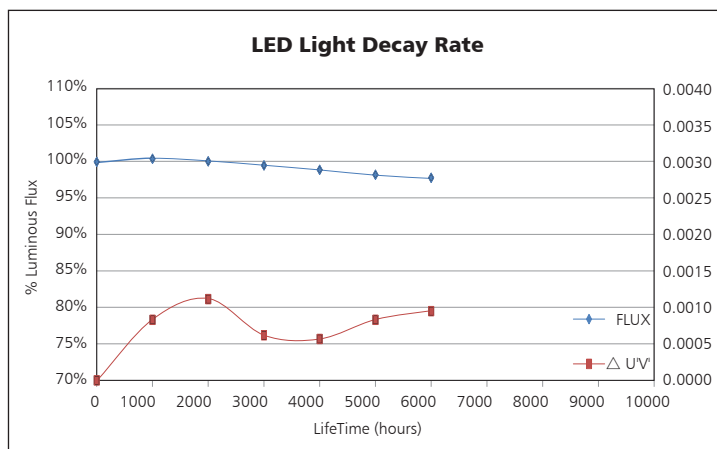
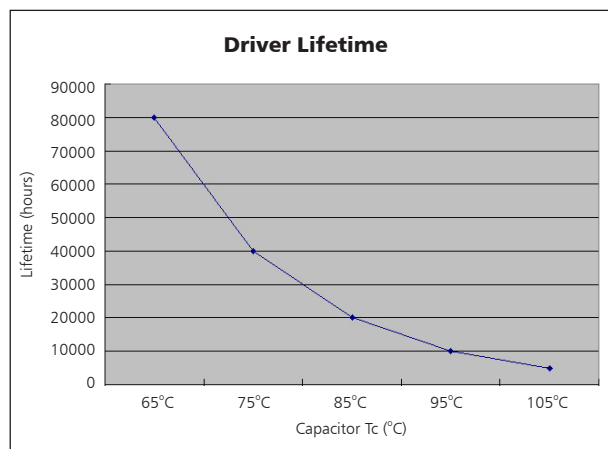
## Polar Diagram Comparison



AVERAGE BEAM ANGLE (50%): 78.1DEG

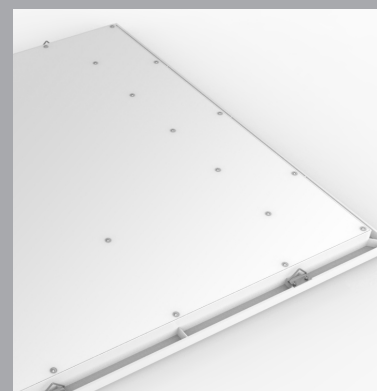
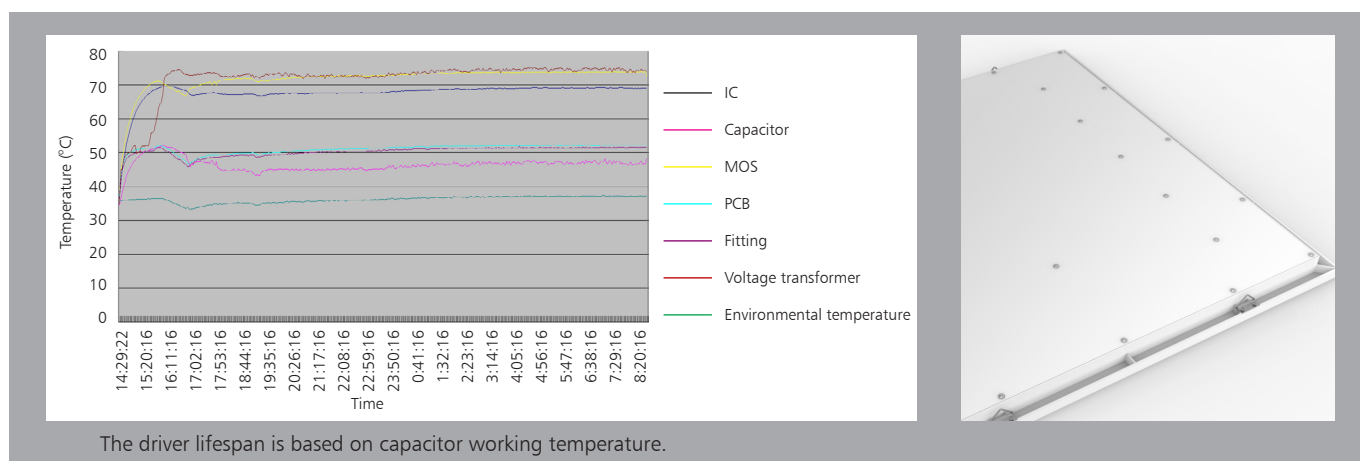


## Driver lifetime & LED light decay rate



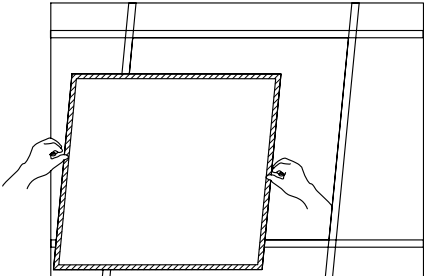
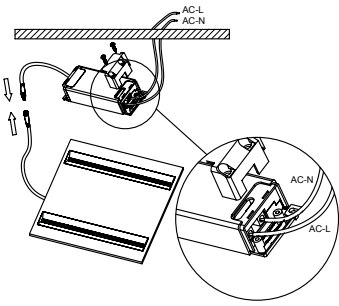
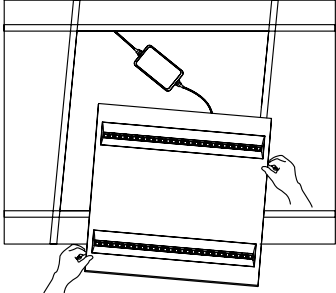
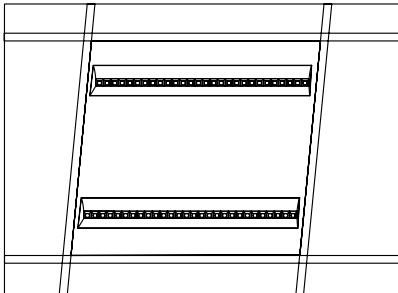
## Temperature

- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C

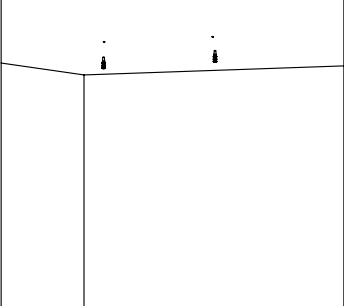
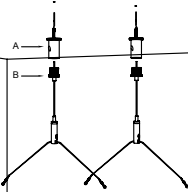
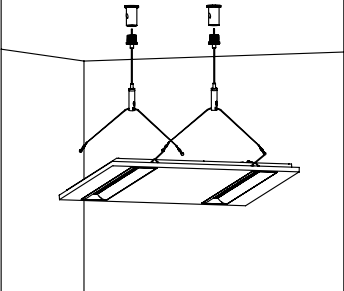
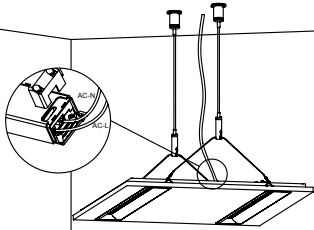


# Installation

## 1. Recessed into ceiling

	<p>1. Remove ceiling plaster slab.</p>		<p>2. Connect the main AC wire L, N to the terminal of driver respectively. Connect the DC plug between driver and panel light.</p>
	<p>3. Fix the panel light to the plaster ceiling firmly.</p>		<p>4. Installation complete, turn on the power.</p>

## 2. Suspending

	<p>1. Knock the plastic anchor into ceiling.</p>		<p>2. Fix part A with tapping screw to ceiling, Wire rope goes through part B, and then screw B into A.</p>
	<p>3. Hanging the panel light to the suspending wires, connect the DC plug between driver and panel light.</p>		<p>4. Connect the main AC wire L, N to the terminal of driver respectively.</p>

## Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PC5)
Carton	66.5*38*72	3	18	5

