



Model	Item code	Output current	Input current	Input power	Output power range	PF	Efficiency	Output voltage	No load Voltage
LV100W24-NX	158770	0-4200mA	≤0.55A	≤110W	0-100W	≥ 0.95	≥ 91%	24V	24V

*** Test result @230V, 50Hz, Full Load.**

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Voltage
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198/264VAC or 180-280VDC
	Frequency	50/60Hz
	Input Current	≤0.55A(230VAC, fullload)
	Input Power	≤110W(230VAC, fullload)
	Power Factor	≥0.95(230VAC, fullload)
	THD	≤15%(230VAC, fullload)
	No-load Power Consumption	≤0.5W@230VAC
	Inrush Current	≤40A/16us(230VAC, fullload)
Output	Output Voltage	24VDC ± 5%(Potentiometer adjusts output voltage ± 2V)
	No Load Voltage	24VDC ± 5%(Potentiometer adjusts output voltage ± 2V)
	Output Current	0-4200mA
	Max. Output Power	100W
	Efficiency	≥91%(230VAC, full load)
	Voltage Ripple	5%(Vmax-Vmin) / (Vmax+Vmin)
	Output Voltage Ripple	<240mVpk-pk(0.5%)
	Line Regulation	± 5%
	Load Regulation	± 5%
	PstLM	≤ 1
	SVM	≤ 0.4
	Overshoot	<105%Vo
	Current Accuracy	± 5%
	Started Delay Time	≤ 0.5S(230VAC, fullload)

Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	Over Voltage Protection	110%-150%Vo,Auto Recovery
	Over Temperature Protection	90<Tc<110℃,Auto Recovery
	No-load Protection	Auto Recovery
	Insulation voltage	3000V 5mA 60S between P-S
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P<0.7mA
Environment	Ta/Operation Temperature	-20 ... +45℃
	Ts/Storage Temperature	-25 ... +85℃
	Tc/Enclosure Temperature	85℃
	Humidity	10%... 90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Built-in & Independent
	PRI Wire preparation	0.75-2.5□/8-9mm
	SEC Wire preparation	0.75-2.5□/8-9mm
	Dimension	280*30*21mm (L*W*H)
Standards	Certification	ENEC/CE
	Safety Standards	EN61347-1:2015/A1:2021 EN61347-2-13:2014/A1:2017 ENIEC62384:2020EN62493:2015 AS61347.2.13:2018AS/NZS61347.1:2016IncA1 BSEN61347-1:2015/A1:2021 BSEN61347-2-13:2014/A1:2017BSEN62493:2015 BSENIEC62384:2020
	EMC Standards	ENIEC55015:2019 ENIEC55015:2019/A11:2020 ENIEC61000-3-2:2019/A1:2021 EN61000-3-3:2013/A2:2021EN61547:2009
	Performance	EN62384:2020
	Surge	L-N/1KV (L/N)-PE/2KV
Others	RoHS	Complied to 2011/65/EU
	REACH	EU Regulation (EC) No 1907/2006
	Life Time	50000h @Ta max/Tc max
	Warranty	5years , F.R. <10000ppm
	Noise	≤24dB@Background noise≤18dB,Interval≥15cm

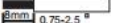
Remark:

- 1.All Parameters,if not specified,are measured at 230VAC/50Hz and 25℃ ambient temperature.
- 2.LED Driver is a component of the luminaires,Luminaires and wire layout will affect the EMC,please check the EMC with end products again.
- 3.Do not install upside down.

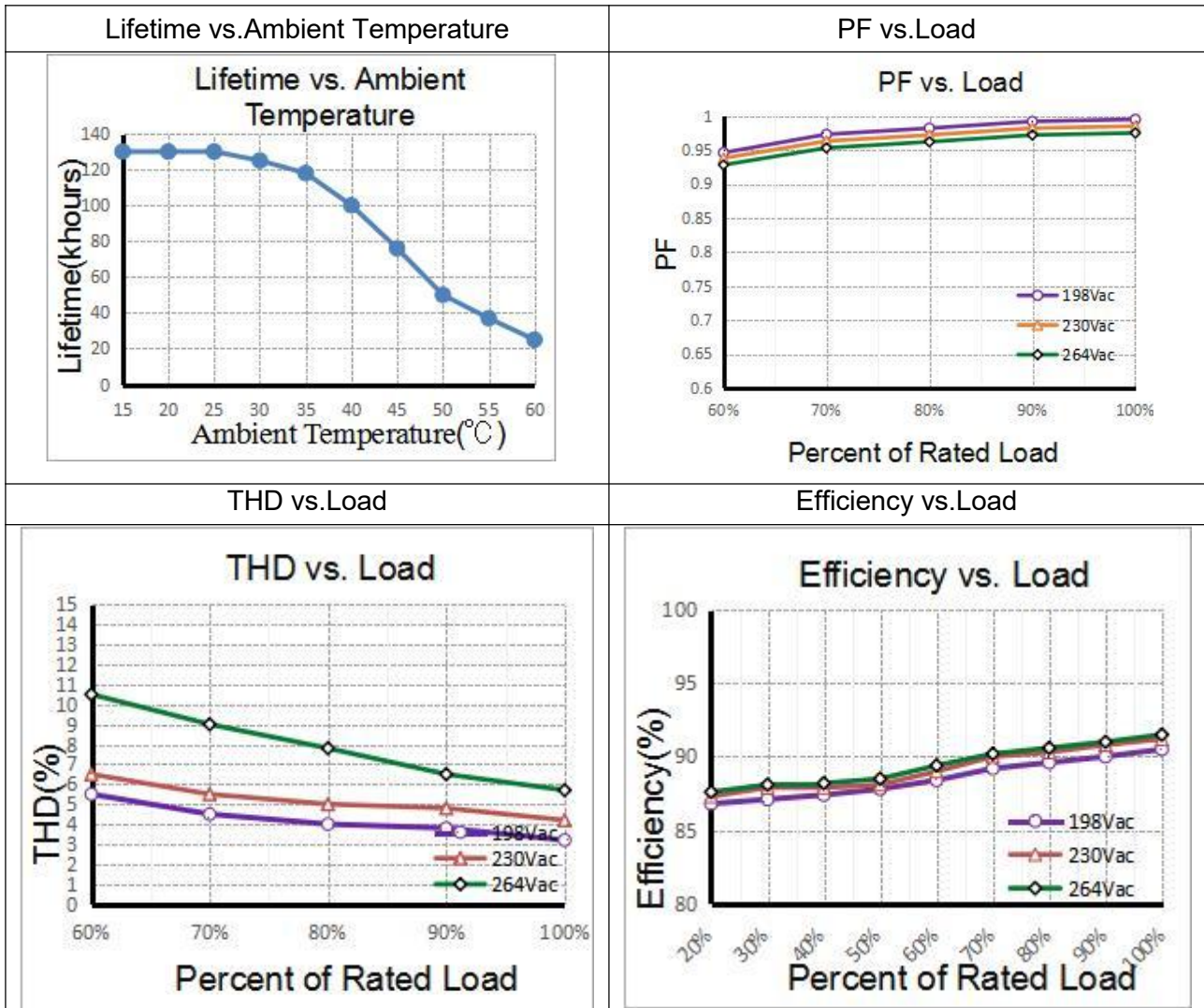
2. Connected quantities of different current Breaker

TYPE	Connected quantities of different current Breaker						Input Voltage (V)	Inrush Current(A)	Time (μs)
	current (A)	10	13	16	20	25			
	Installation wire diameter	1.5mm ²	2.5mm ²	2.5mm ²	4mm ²	4mm ²			
TYPE B		13	17	21	27	33	@230VAC	45	16
TYPE C		21	28	34	43	53			
TYPE D		34	44	55	68	85			

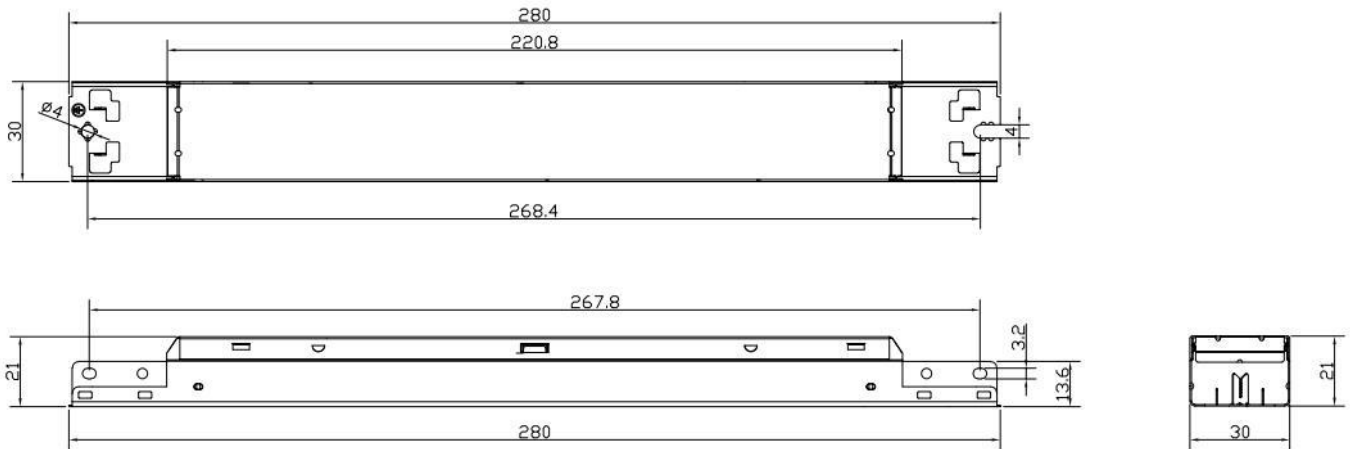
3. Label

☐ L ☐ N ☐ PRI	NEXIVO by KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheld wire preparation  0.75-2.5	LED Driver LV100W24-NX 158770 Constant Voltage Type for LED Only	Input Voltage: 220-240V Input Frequency: 50/60Hz Power Factor (λ): ≥ 0.95 I _{in} : ≤ 0.55A	$\approx$ tc U _{rated} = 24VDC U-OUT = 25V I _{rated} : 4.2A Max. P _{rated} : 100.8W Max. tc: 85°C ta: -25...45°C	       
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4. Lifetime curve



5. Dimension (Unit: mm)



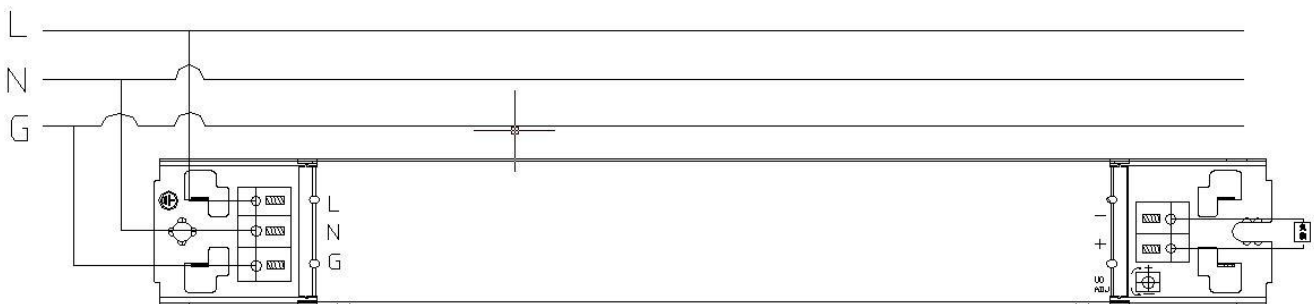
6. Packing information

Packing way	Model	Carton L*W*H(mm)	Pcs/ Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight/ Carton(kg)
Industrial	LV100W24-NX	345*310*158	50	0.230	11.50	12.00

7. Ordering data

Model No	Item code
LV100W24-NX	158770

8. Wiring Diagram



9. Wiring instructions

- All connections must be kept as short as possible to ensure good EMI behaviour
- Mains leads should be kept apart from LED Driver and other leads (ideally 5-10 cm distance)
- Advice the maximum length of output wires is 0.5 m
- Secondary switching is not permitted (Except for constant voltage)
- Incorrect wiring can damage LED modules.
- The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips, louver, etc.)
- Hot plug-in is not supported due to residual output voltage of > 0 V up to mains voltage. Danger to life.
- When connecting an LED load, restart the device to activate the LED output.

10. Replace LED module

- Mains off
- Remove LED module
- Wait for 30 seconds
- Connect LED module again
- Hot plug-in or secondary switching of LEDs is not permitted and may cause a very high current to the LEDs

11. Revision history

Date	Revision	Remark
2026.16.03	V0.01	Product release
2026.13.07	V0.02	Change ta from -25 ... +50°C to -25 ... +45°C