



Model	Item Code	Output current	Input current	Input power	Output power range	PF	Efficiency	Output voltage	No load voltage
LC50W300-1050-NFC-NX	158180	300-800mA	≤0.23A	44.90W	6.00-40.00W	≥0.95	89%	20-50	60Vdc
		850-1050mA	≤0.35A	56.60W	17.00-50.40W	≥0.95		20-48	

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

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Current
	Output current setting	Near field communication (NFC)
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class I
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Range of DC Input Voltage	180-280VDC
	Frequency	0/50/60Hz, Range:0/47-63Hz
	Overvoltage protection	2h@380VAC, 48h@320VAC
	Input Current	≤0.35A max
	Input Power	≤56.60W max
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤6% (230VAC, full load)
	No-load Power Consumption	≤0.50W (230VAC, full load)
	Inrush Current	≤18A/28us (230VAC, full load)
	Connected quantity of 10A Breaker	10pcs/type A ;17pcs/type B ;27pcs/type C
	Connected quantity of 13A Breaker	14pcs/type A ;22pcs/type B ;36pcs/type C
	Connected quantity of 16A Breaker	17pcs/type A ;27pcs/type B ;44pcs/type C
	Connected quantity of 20A Breaker	21pcs/type A ;34pcs/type B ;55pcs/type C

Output	Output Voltage Range	20-50VDC@300-800mA 20-48VDC@850-1050mA
	No Load Voltage (Uout)	60VDC Max.
	Output Current	300-1050mA (by NFC setting , Factory set current of 300mA)
	Max. Output Power	50.4W
	Efficiency	≥89% (230VAC, full load)
	Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)
	Current Accuracy	±5%
	PSTLM	≤1
	SVM	≤0.4
	Starting Time (AC mode)	≤0.5S (230VAC, full load)
Control Method	NFC current setting	The output current can be set within the total value range in 1-mA-steps. Output current is mean value. Setting is by EX·IVO's software APP/APK/PC with FEIG equipment or mobile phone
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery (not be hot swap)
	No-load Protection	Auto Recovery
	Insulation voltage	3000V 5mA 60S between P-S, 1500V 5mA 60S between P-E
	Insulation resistance	>100M ohm @ 500VDC L/N to PE
	Leakage current	<700μA, I/P to O/P or I/P to PE @230V input
Environment	Ta/Operation Temperature	-25....+50°C
	Ts/Storage Temperature	-25....+85°C
	Tc/Enclosure Temperature	85°C
	Humidity	10%.... 90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Build-in
	PRI Wire preparation	0.5-1.5□ / 8-9mm
	SEC Wire preparation	0.5-1.5□ / 8-9mm
	SEC Wire preparation	0-0.8±0.05m (The EMC test results were achieved at approximately 0.8 meters) (the length required by the standard). If there are any data differences, please test according to the length required by the standard)
	Dimension	280*29.4*21mm (L*W*H)
Standards	Certification	CE/ENEC/RCM/UKCA/CB
	Safety Standards	EN61347-1:2015/A1:2021; EN61347-2-13:2014/A1:2017; EN62384:2006/A1:2009; AS 61347.2.13:2018; AS/NZS61347.1:2016; BS EN61347-1:2015/A1:2021; BS EN61347-2-13:2014/A1:2017; IEC 61347-2-13:2014; IEC 61347-1:2015

Others	EMC Standards	AS/NZS CISPR 15:2011; AS CISPR 15:2017 ;
	Performance	EN62384
	Surge	L-N/1KV (L/N)-PE/2KV
	RoHS	complied to 2011/65/EU
	Life Time	50000h Tc=85°C 75000h Tc=80°C 100000h Tc=75°C
	Warranty	5years , F.R. < 10000ppm

Remark:

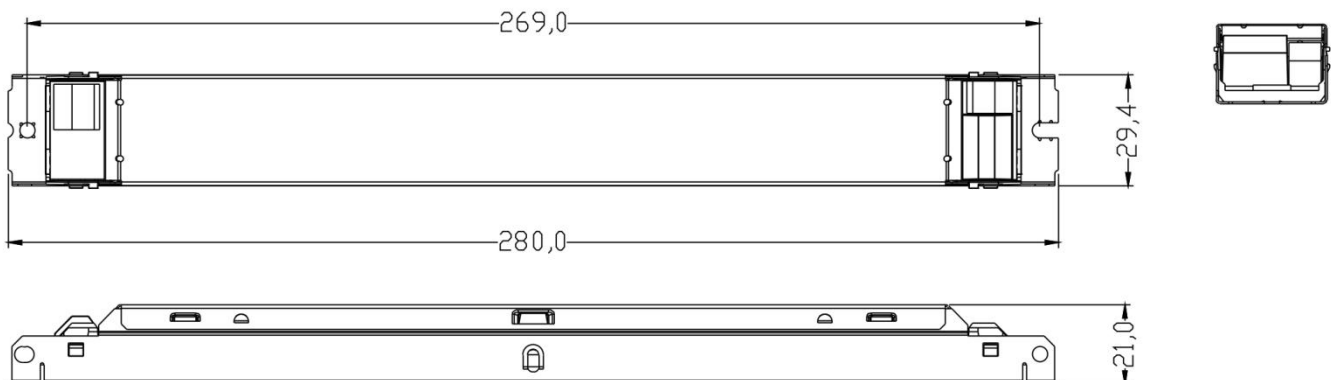
- 1.All Parameters,if not specified,are measured at 230VAC/50Hz and 25°C ambient temperature.
- 2.LED Driver is a component of the luminaires. Luminaires and wire layout will affect the EMC, please check the EMC with end products again.

Distance	15m	30m	50m
Cable selection	0.5mm ²	0.75mm ²	1.0mm ²

2. Label

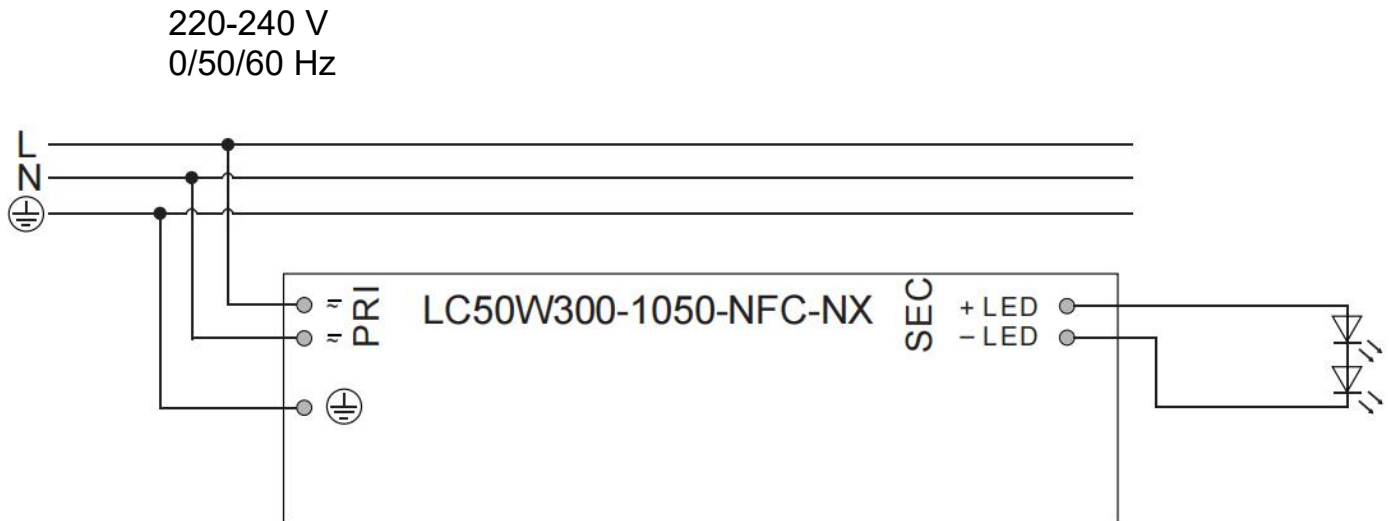
☐ L ☐ N ☐ ⊕ wire preparation 8-9mm PRI: 0.5-1.5 ° SEC: 0.5-1.5 °	NEXIVO by KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheld	LED Driver LC50W300-1050-NFC-NX 158180 •tc Constant Current Type for operation with LED modules only Input Voltage:220-240VAC Input Frequency:0/50-60Hz Range of application: DC 180-280V Iin:≤0.35A	Tc:85°C Ta:50°C Power Factor:≥0.95 SEC:300-1050mA 20-50VDC Prange=6-50.4W Uout:60VDC Max.50.4W	 	SEC +□ -□ NFC)))
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3. Dimension (Unit: mm)



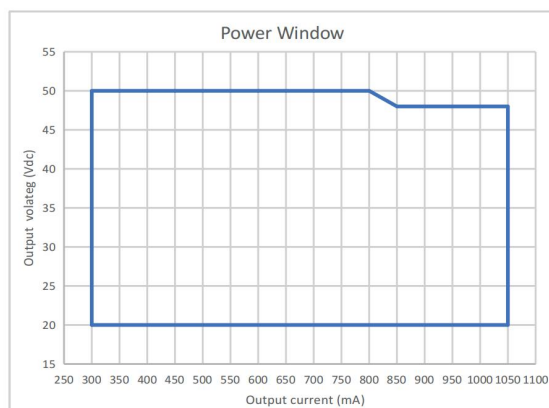
4. Installation / wiring

Circuit diagram

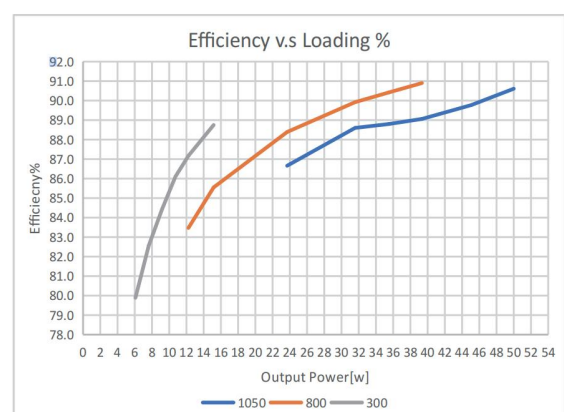


5. Electrical values

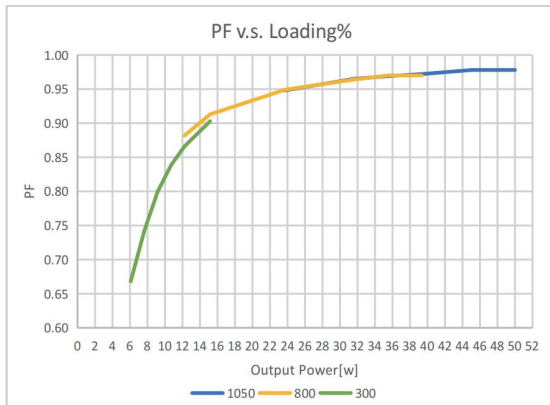
1. Operating power windows



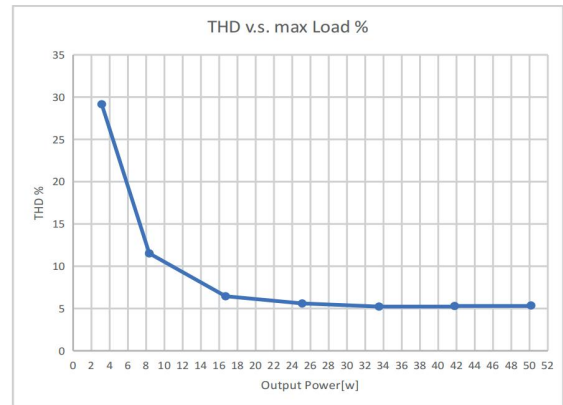
2. Efficiency v.s. Load



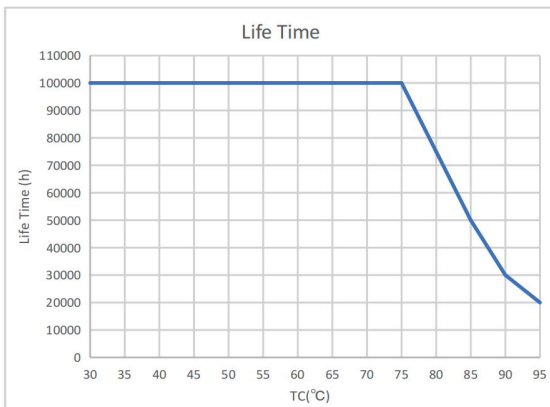
3. PF v.s. Load



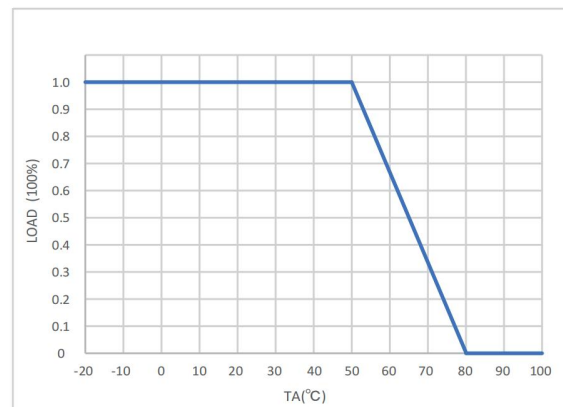
4. THD v.s. Load



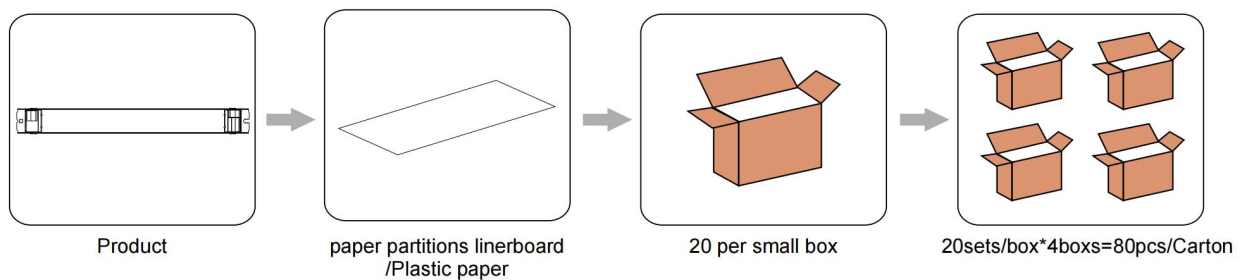
5. Life time



6. Derating



6. Packing information



Inner box

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
290*155*110	20	0.176	3.52	3.74

Outer box

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
325*303*240	80	0.176	14.08	15.12

7. Ordering Data

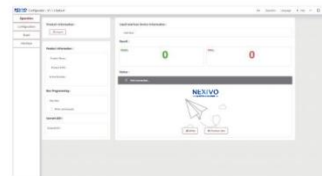
Model No	Item code
LC50W300-1050-NFC-NX	158180

8. NFC current setting:

NFC Reader (optional)

Feature:

Easily on-line read a output current from a driver or write a new current data to a driver throughout NEX·IVO NFC reader within few seconds.



Model No	Description	Interface	Matching antenna	Zhaga approval	Usage
ID CPR30+ 	Desktop programmer	USB	Integrated	Yes	Single Programming on Desktop
ID ISC.PRH101-USB 	Handheld programmer	USB	Integrated	Yes	Single Programming by Handheld
ID ISC.MR102-USB 	Middle range programmer, for connecting external antenna	USB	RF-MANT12786 	Yes	Single Programming on Product line
ID ISC.LR1002-E 	Long range programmer, for connecting external antenna	USB, RS232, TCP/IP	ID ISC.ANT310/310 	Yes	Multi Programming System

APP NFC

Feature:

Quickly check output current of a LED driver simply via iPhone smart phone, as well as, correct or setup a new current data immediately with no extra equipment at any job site

iPhone ICON



Main



Download method

1.Scan the QR code to download



2.On your iPhone, search for KGP NFC in APP Store to download it



Phone smartphones with NFC can be downloaded and used directly

Download method

1.Scan the QR code to download



Android smartphones with NFC can be downloaded and used directly

Android ICON



Main



Product	Description	Interface	Matching antenna	Zhaga approval	Usage
ID ECCO Smart HF-BLE 	Handheld wireless programmer	USB,Bluetooth LE V4.2 & V5.0	Integrated	Yes	Handheld programming, installation and maintenance work

9. REVISION HISTORY

Date	Revision	Remark
2026.16.03	V0.01	Product release