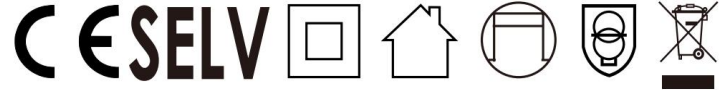


Constant Current Dimmable Driver

Model: SC42W300-1050CG4-W-IOT-2CH-NFC-NX

SC42W300-1050CG4-B-IOT-2CH-NFC-NX

SC42W300-1050CG4-G-IOT-2CH-NFC-NX



Model	Item Code	Output current	Input current	Input power	Output power range	PF	Efficiency	Output voltage	No load voltage
SC42W300-1050CG4-W-IOT-2CH-NFC-NX	157430	300-1050mA	≤0.23A	47.70W	3.00-42.00W	≥0.95	88%	10-42V	59V
SC42W300-1050CG4-B-IOT-2CH-NFC-NX	157440								
SC42W300-1050CG4-G-IOT-2CH-NFC-NX	157450								

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

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Current
	Output current setting	Near field communication (NFC)
	Dimming Type	Bluetooth
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II (compatible Class I)
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Frequency	50/60Hz
	Overvoltage protection	N/A
	Input Current	≤0.23A (230VAC, full load)
	Input Power	≤47.70W (230VAC, full load)
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤N/A (230VAC, full load)
	No-load Power Consumption	≤0.5W (230VAC, full load)
	Inrush Current	≤N/A (230VAC, full load)
	Connected quantity of 10A Breaker Connected quantity of 13A Breaker Connected quantity of 16A Breaker Connected quantity of 20A Breaker	N/A

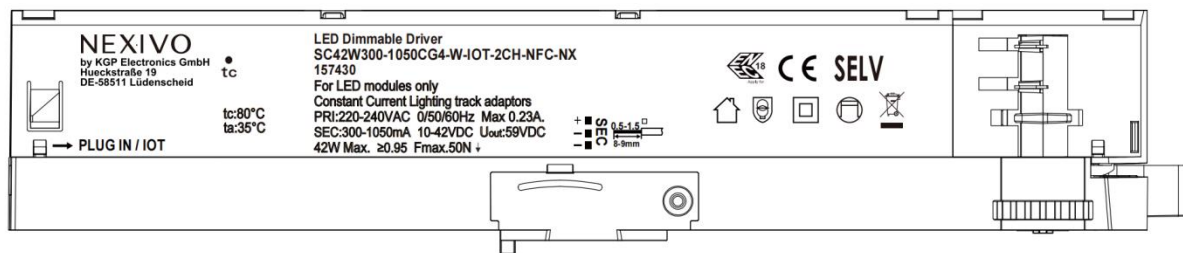
Output	Output Voltage Range	10-42VDC@300-800mA 10-40VDC@850-1050mA
	No Load Voltage	59VDC Max.
	Output channels	2
	Output Current	300mA -1050mA (by NFC setting, Factory set current of 300mA)
	Max. Output Power	42W
	Efficiency	≥88% (230VAC, full load)
	Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)
	Current Accuracy	±5%
	PSTLM	≤1
	SVM	≤0.4
	Starting Delay Time	≤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
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	< 700μA, I/P to O/P @230V input
Environment	Ta/Operation Temperature	-25....+35℃
	Ts/Storage Temperature	-25....+75℃
	Tc/Enclosure Temperature	75℃
	Humidity	10%.... 90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Independent
	SEC Wire preparation	0.5-1.5□
	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	217.7*31.1*42.2mm (L*W*H)
Standards	Certification	CE
	Safety Standards	EN61347-1:2015/A1:2021; EN61347-2-13:2014/A1:2017;
	Performance	EN62384
	Surge	L-N:1kV

Others	RoHS	complied to 2011/65/EU
	Life Time	50000h Tc=75°C
		75000h Tc=70°C
		100000h Tc=65°C
	Warranty	5 years , 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.		

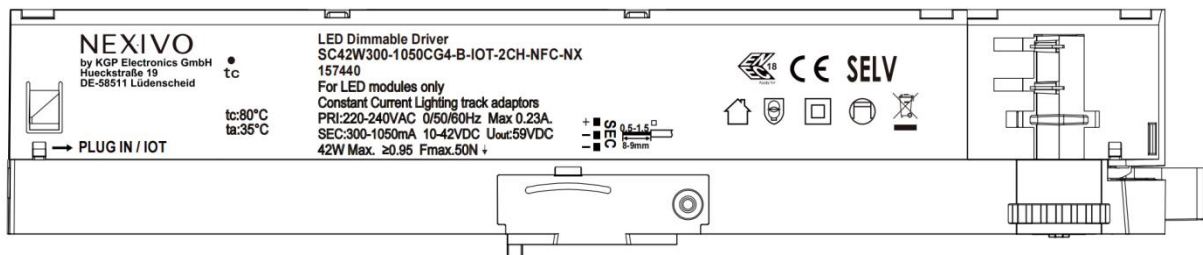
Distance	15m	30m	50m
Cable selection	0.5mm ²	0.75mm ²	1.0mm ²

2. Label

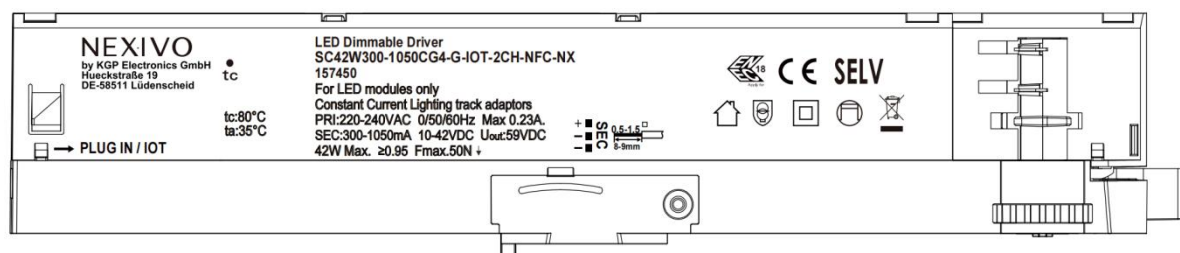
White (RAL 9016)



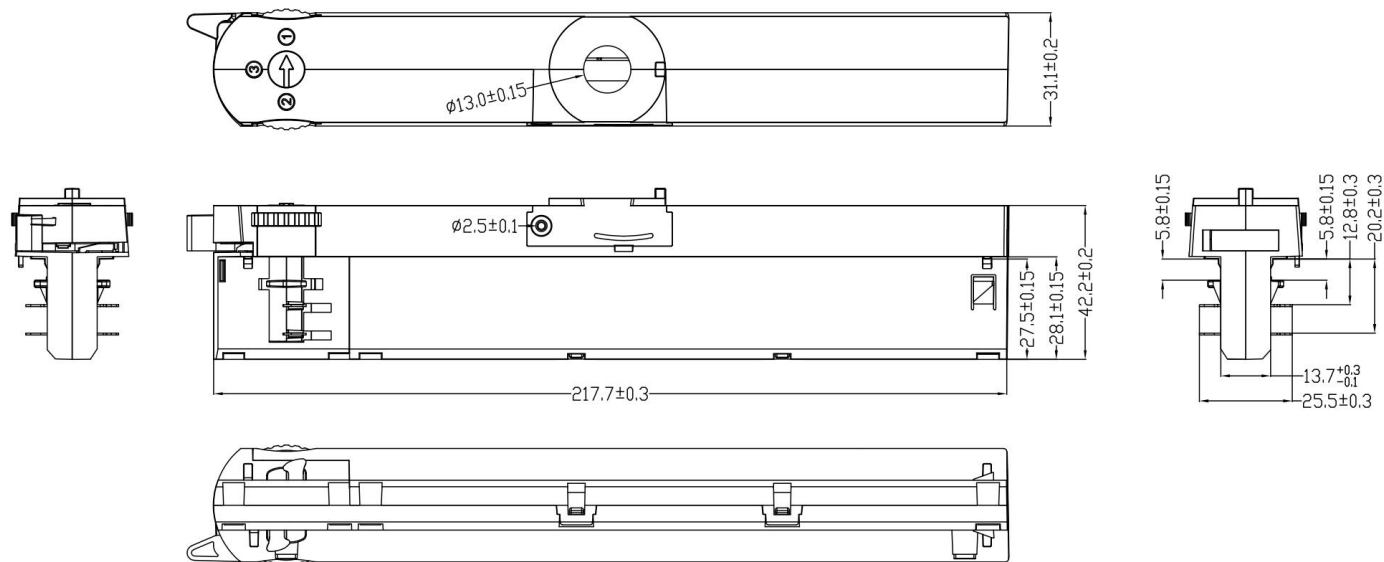
Black (RAL 9004)



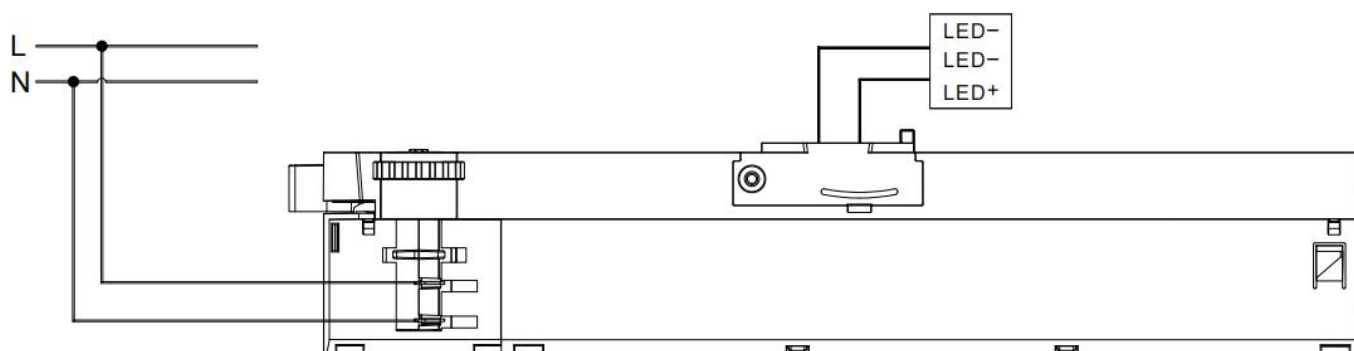
Grey (RAL 7035)



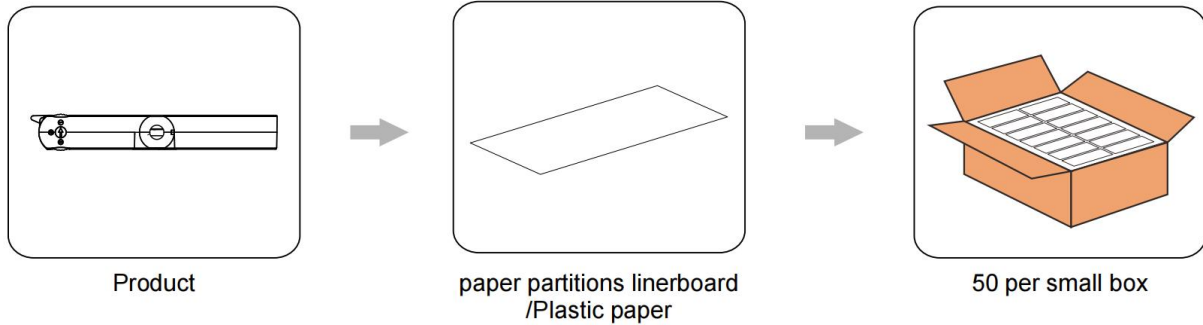
3. Dimension (Unit: mm)



4. Wiring Diagram



5. Packing information



Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
T.B.D	T.B.D	T.B.D	T.B.D	T.B.D

6. Ordering Data

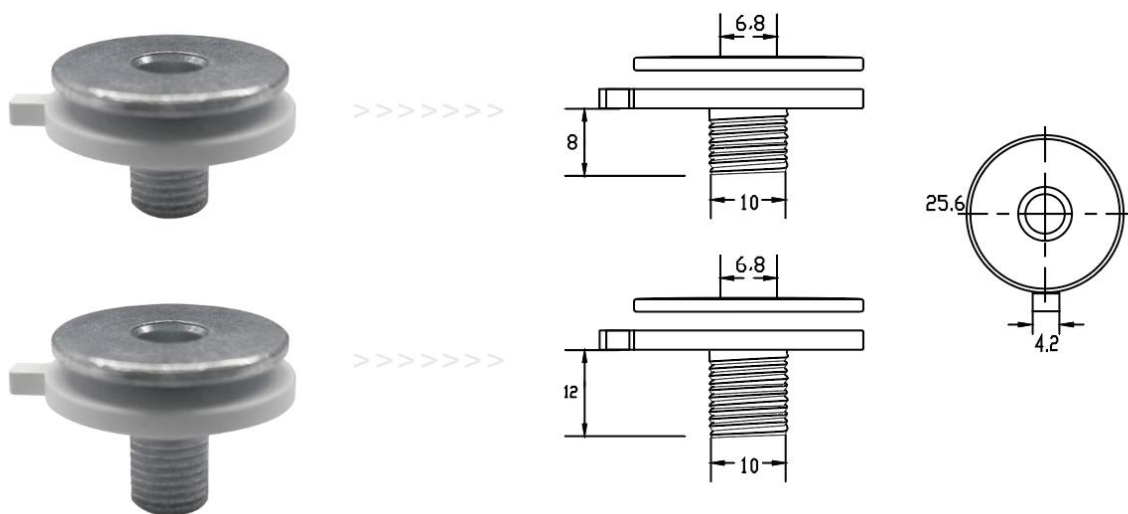
Model No	Item code
SC42W300-1050CG4-W-IOT-2CH-NFC-NX	157430
SC42W300-1050CG4-B-IOT-2CH-NFC-NX	157440
SC42W300-1050CG4-G-IOT-2CH-NFC-NX	157450

7. Lamp Screw Type

- Optional threaded sleeve for luminaire mounting
- Suitable for M10x1x8 threaded nut
- Additional mounting equipment,e.g.M10x1x12
- aluminium, black, white
- further on request

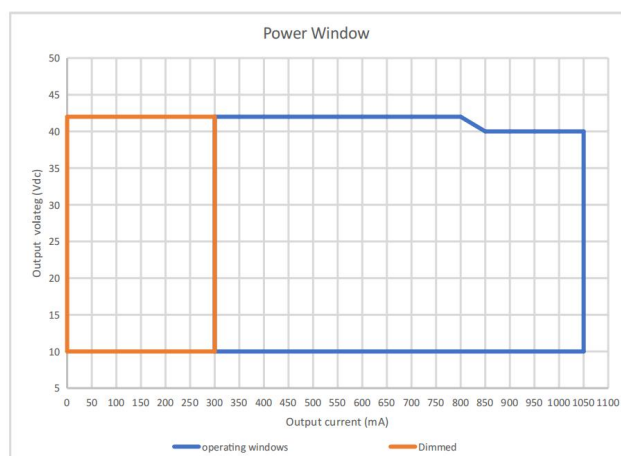
Ordering data

Type	Colour	Article number	Qty/ctn	weight/pcs
M10X1X8	White	AC094306	1200	0.016
	Black	AC094307	1200	0.016
	Aluminium	AC094310	1200	0.016
M10X1X12	White	AC094308	900	0.017
	Black	AC094309	900	0.017
	Aluminium	AC094305	900	0.017



8. Electrical values

1. Operating power windows



9. 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

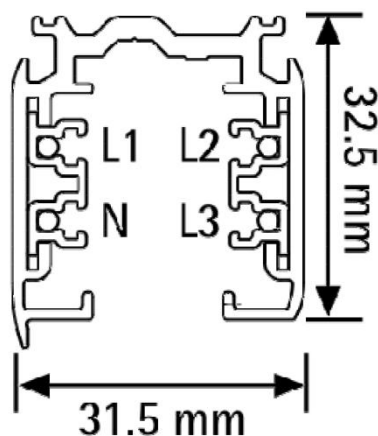
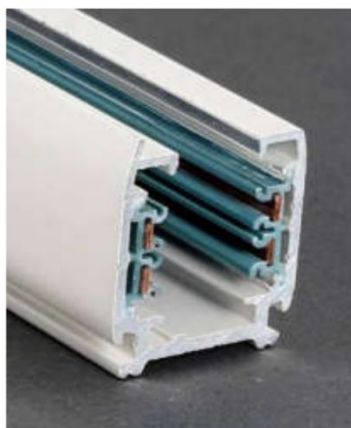
10. Suitable for following tracks

Serial number	Brand	Track model	System
1	Global	XTS4 &XTSF4	3P
2	Stucchi	9000XX Series	3P
3	Eutrac	2510x	3P
4	Unipro	T32B	3P
5	Ivela	7501	3P
6	ERCO	1079301000	3P

Remark:

1. The model name is XTS 4 and XTSF 4 tracks, and its brand is Global.
2. The model name used is the 9000XX track, and its brand is Stucchi. The "XX" in the model name represents: it represents a different color.
3. The model name is 2510x tracks, and its brand is Eutrac. The "x" in the model name represents: it represents a different color (x=1 white; x=2 black; x=3 silver, x=8 grey).
4. The model name is T32B tracks, and its brand is Unipro.
5. The model name is 7501 tracks, and its brand is Ivela.
6. The model name is 1079301000 tracks, and its brand is ERCO.

11. Phase track light rail specification:



12. Lighting track adapter and rail system installation diagram:



The adaptor shall be given that the use is limited to the track system specified.

13. 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 3 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.)

14. REVISION HISTORY

Date	Revision	Remark
2026.16.03	V0.01	Product release
2026.12.06	V0.02	Suitable for following tracks