LED Electrical Specification for **LWCBC25W600NLR**

Wireless Control In-Track NFC Adaptor Driver

LWCBC25W600NLR-W

LWCBC25W600NLR-B

LWCBC25W600NLR-G

Approval Marks

CASAMBI

	Item	Value	Remark
Input	Nominal voltage	220 - 240 V	
	Nominal frequency	50 - 60 Hz	
	AC voltage range	198 - 264 V	
	DC voltage range (start)	NA	
	DC voltage range (operation)	NA	
	Maximum voltage	NA	
	Nominal current	150 mA	Full load @230VAC
	Total Harmonic Distortion (THD)	< 10 %	Full load @230VAC
	Power factor	0.4-0.9C	Min-load @ 240Vac and Full-load @ 220 Vac
	Displacement factor	0.4-0.9C	Min-load @ 240Vac and Full-load @ 220 Vac
	Efficiency - Full load	85 %(Typ.)	Full load @230VAC
	No-load power	NA	
	Stand-by power	< 0.5 W	
	Protection class	II	Suitable for class II luminaires
	Inrush current	11 A / 35 us	Full load @267VAC
	Max.units per circuit breaker	Type B , 10A MCB 27	
		Type B , 16A MCB 43	
		Type C , 10A MCB 33	
		Type C , 16A MCB 53	
	Earth leakage current	NA	
Output	Nominal voltage range		
	120mA	25 - 54 Vdc	
	150mA	20 - 54 Vdc	
	200mA	15 - 54 Vdc	
	250mA	12 - 54 Vdc	
	300-450mA	10 - 54 Vdc	
	500mA	10 - 50 Vdc	
	600mA	10 - 42 Vdc	
	Maximum voltage	60 Vdc	
	Nominal current range	120 - 600 mA	DC Output with adjustable constant current from 120 to 600 mA via NFC in 1mA steps Factory default 120mA
	Current accuracy		Full load @230VAC
	350-600mA	± 5 %	
	250-300mA	± 7 %	
	150-200mA	± 8 %	
	120mA	± 10 %	
	Typical output LF current ripple	± 5 %	Low Frequency< 120Hz Full load @230VAC
	SVM	≦ 0.4	Full load @230VAC
	$P_{st}LM$	≦ 1	Full load @230VAC
	Starting time	< 0.5 S	Full load @230VAC
	Nominal power range	3 - 25 W	
	Maximum power	26 W	

	Item	Value	Remark
Dimming	Dimming control	Wireless	
	Dimming range	1 - 100 %	see the dimming curve
	Lowest dimming current	0.1 - 2 %	@Vo=35Vdc
	Dimming technique	Ampiitude	
	PWM frequency	NA Hz	
	Galvanic isolation	NA	
Environment	Ambient temperature range t_a	- 20 °C - + 35 °C	
	Maximum case temperature t_c	70 °C	
	Max. case temp. in fault condition	110 °C	When operating under fault conditions, the temperature of the enclosure at any location should not exceed 110 °C
	Storage temperature range	- 40 °C - + 85 °C	
	Relative humidity	10 % - 95 %	
	Surge transient protection	1 kV ,	L/N
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	> 100,000	
	Expected lifetime	> 50,000 h , tc 70 °C @ ta 35 °C	0.2 % / 1,000 h failure rate
		> 100,000 h , tc 60 °C @ ta 25 °C	0.1 % / 1,000 h failure rate
Packing	Gross weight/box	7 kg	
	Net weight/box	6 kg	
	Pcs/box	35 PCS	
	Dimension/box	385 (L) * 310 (W) * 260 (H) mm	
Protections	Short- circuit protection	Auto recovery	
	Open- circuit protection	Latch	
	Overload protection	Latch/Auto recovery	

Conformity & Standards	
Safety standard:	EN 61347-1, EN 61347-2-13, EN 62493
Performance:	EN 62384
EMC standard:	EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547
Wireless standard:	ETSI EN300 328, ETSI EN301 489-1, ETSI EN301 489-17

Cable and Terminal information		
Sec	Connection	
	Cable cross-section	0.34 – 0.5 □ / AWG 22 – 20
	Stripping	9 mm

Subject to change without notice, HEP guarantees all products perform functionally well

* If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

Output Current (mA)	Output Voltage Range (V)	Output Power Range (W)
120	25-54	3-6.4
150	20-54	3-8.1
200	15-54	3-10.8
250	12-54	3-13.5
300	10-54	3.0-16.2
350	10-54	3.5-18.9
450	10-54	4.5-24.3
500	10-50	5.0-25.0
600	10-42	6.0-25.2

* Upon client's special demand, customized current range in between 120 mA and 600 mA could be specified as factory default from shipment. This default current range availably revised again via NFC reader program at client's site, if necessary.

■Specification of wireless module

	Item	Value
Wireless Control	Wireless protocol	Casambi(Based on BLE version 4.0)
	Operating Frequency	2.4G~2.483GHz
	Antenna	Onboard chip antenna
	Transmission Range	>50M (open site)
	Power Supply	NA
	Operating Environment	NA
	Dimension	NA

■ Lighting Control APP

The APP can be downloaded on Apple Store and Google Play Store for iOS and Android.

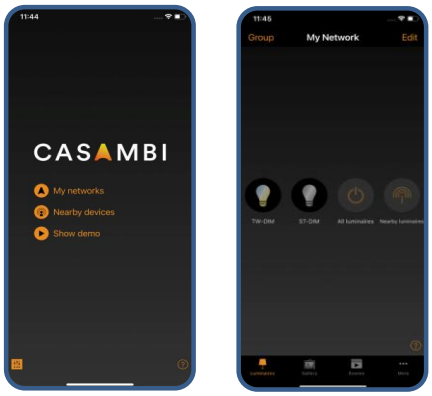
You can search APP name "casambi" "HEPxIDEA", or scanning the QR code.

Download on the App Store

GET IT ON Google Play

CASAMBI

Android IOS



Website：https://casambi.com/

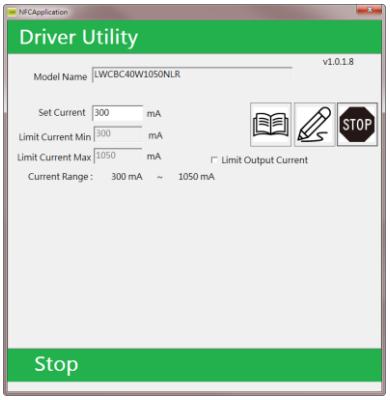
■Current adjustable

Output current/Color temperature can be adjusted by NFC reader and APP

NFC Reader (optional)

Feature:

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



NFC APP

Feature:

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

ICON **Main**

Keep NFC emission of smart phone closed to NFC antenna of LED driver

Touch instantly to tune output current

QR Code

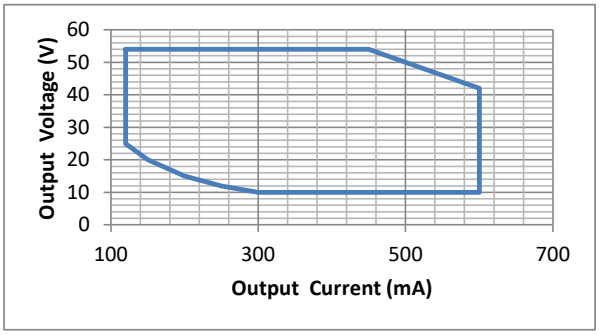
Google play

APK

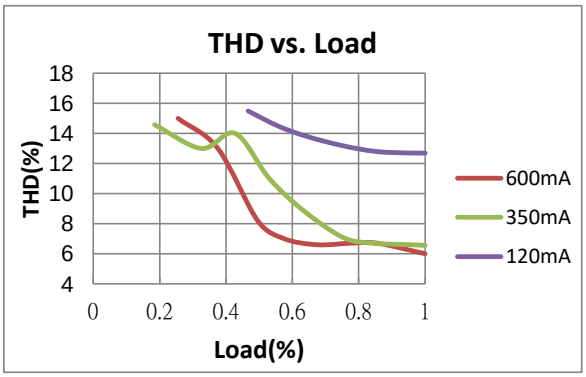
Android 4.2 Up

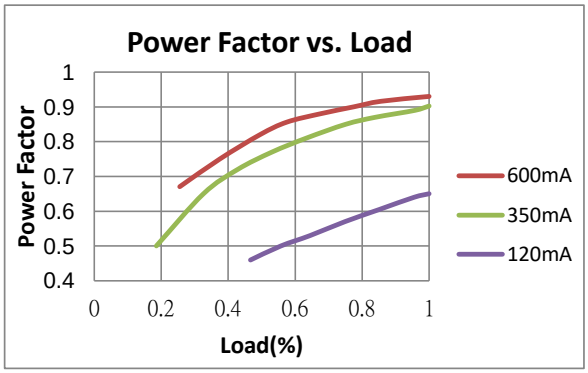
Smart phone with a NFC function

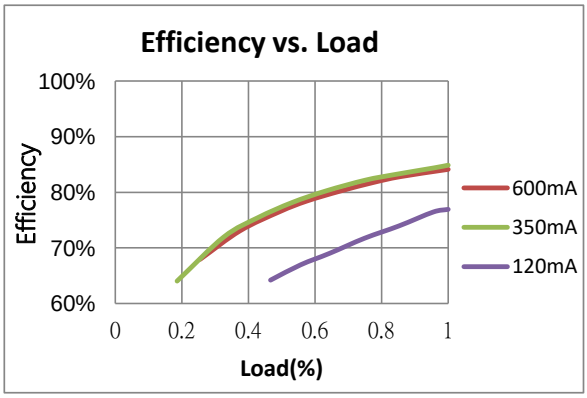
V/I Curve



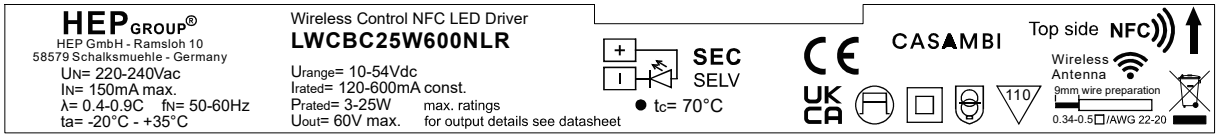
Electrical Values







Label



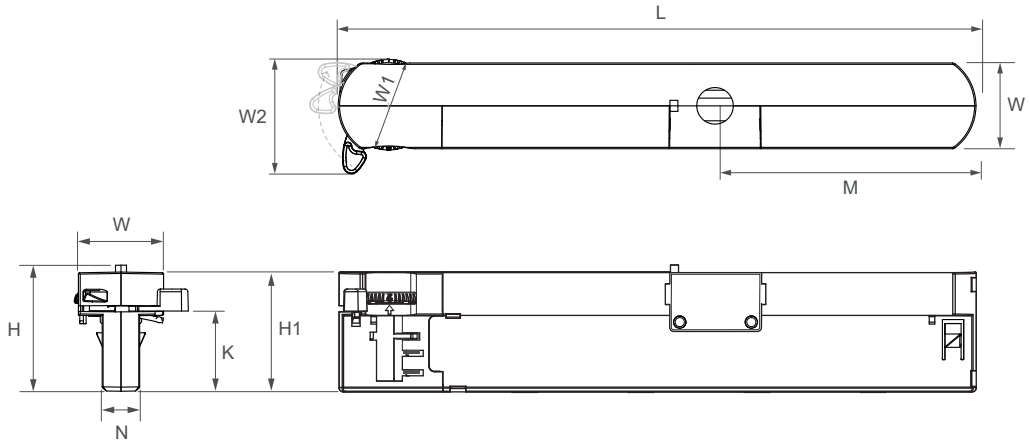
Physical

Parameter

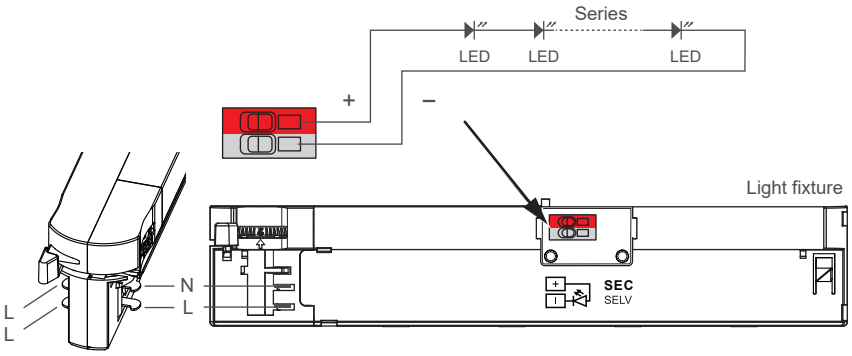
L	:	230.5 mm	W1	:	33.0 mm
W	:	31.0 mm	W2	:	41.5 mm
H	:	45.9 mm	H1	:	43.0 mm
N	:	13.7 mm	M	:	94.3 mm
K	:	27.5 mm			

Tolerance : ≥ +/-1 mm

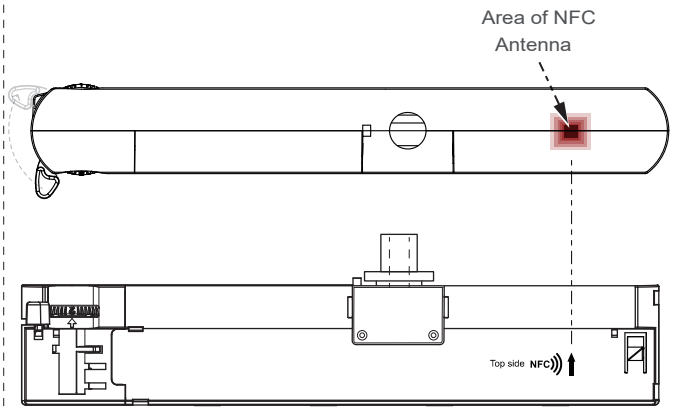
Housing Material : Polycarbonate



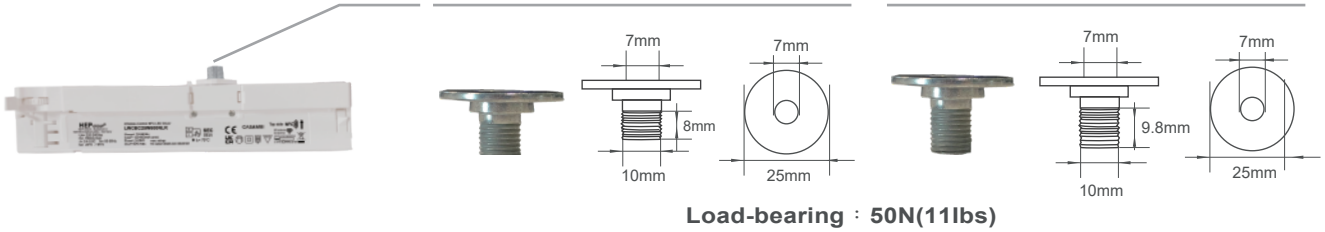
Wiring Diagram



NFC Antenna Location



Lamp screw type



Load-bearing：50N(11lbs)

The driver could be compatible with Global,Powergear,STUCCHI on 3-phase-circuit track system.

Manutacturer	Type	Model		System
NORDIC ALUMINIUM	Global Track Pro	XTS 4x00	x=1,2,3,4	3-phase
EUTRAC	Surface Track	25-x0	x=1,2,3,4	3-phase
ZUMTOBEL	3 Circuits DALI Track System	S2 801 S2 803		3-phase
IVELA	3-phase LKM	7501-x0	x=1,2,3,4	3-phase
POWERGEAR	3 Circuits Track System	PRO-04x0	x=1,2,3	3-phase