



Approval Marks



- LWBCBC40W1050NLR-W
- LWBCBC40W1050NLR-B
- LWBCBC40W1050NLR-G



Item	Value	Remark
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	220 mA	Full load @230VAC
Total Harmonic Distortion (THD)	< 10 %	Full load @230VAC
Power factor	0.45-0.9C	Min-load @ 240Vac and Full-load @ 220 Vac
Displacement factor	0.45-0.9C	Min-load @ 240Vac and Full-load @ 220 Vac
Efficiency - Full load	86 % (Typ.)	Full load @230VAC
No-load power	NA	
Stand-by power	< 0.5 W	
Protection class	II	Suitable for class II luminaires
Inrush current	13 A / 40 us	Full load @267VAC
Max.units per circuit breaker	Type B , 10A MCB	18
	Type B , 16A MCB	29
	Type C , 10A MCB	23
	Type C , 16A MCB	36
Earth leakage current	< NA mA	
Nominal voltage range		
350-700mA	10 - 54 Vdc	
800mA	10 - 50 Vdc	
900mA	10 - 44 Vdc	
1000mA	10 - 40 Vdc	
1050mA	10 - 38 Vdc	
Maximum voltage	60 Vdc	
Nominal current range	350 - 1050 mA	Adjusted via NFC program Factory default 350mA
Current accuracy	± 5 %	Full load @230VAC
Typical output LF current ripple	± 5 %	Low Frequency < 120Hz Full load @230VAC
SVM	≤ 0.4	Full load @230VAC
P _{stLM}	≤ 1	Full load @230VAC
Starting time	< 0.5 S	Full load @230VAC
Nominal power range	3.5 - 40 W	
Maximum power	40 W	
Dimming control	Wireless	
Dimming range	1 - 100 %	see the dimming curve
Lowest dimming current	0.1 - 2 %	@Vo=35Vdc
Dimming technique	Amplitude	
PWM frequency	NA Hz	
Galvanic isolation	NA	

Item	Value	Remark
Ambient temperature range t_a	- 20 °C - + 35 °C	
Maximum case temperature t_c	80 °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 - + 90 °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 , t_c 80 °C @ t_a 35 °C	0.2 % / 1,000 h failure rate
	> 100,000 h , t_c 70 °C @ t_a 25 °C	0.1 % / 1,000 h failure rate

Item	Value	Remark
Gross weight/box	7 kg	
Net weight/box	6 kg	
Pcs/box	35 PCS	
Dimension/box	385 (L) * 310 (W) * 260 (H) mm	

Item	Value	Remark
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).

Specification of wireless module

Item	Value
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" "smart life" "HEPxIDEA", or scanning the QR code.



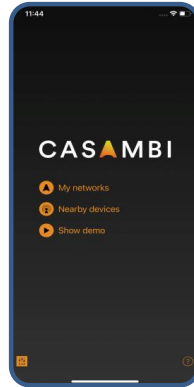
CASAMBI



Android



IOS



Website : <https://casambi.com/>

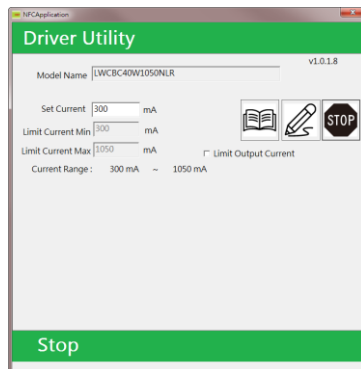
Current adjustable

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

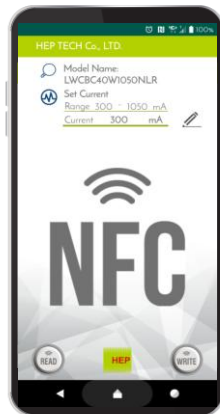
Feature:

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

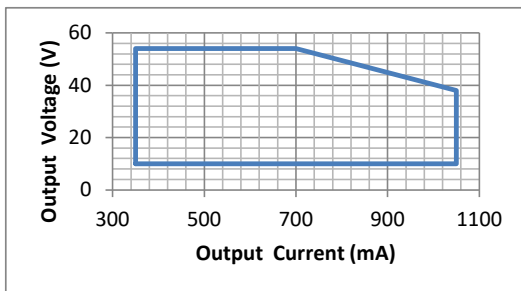


Android 4.2 Up
Smart phone with a NFC function

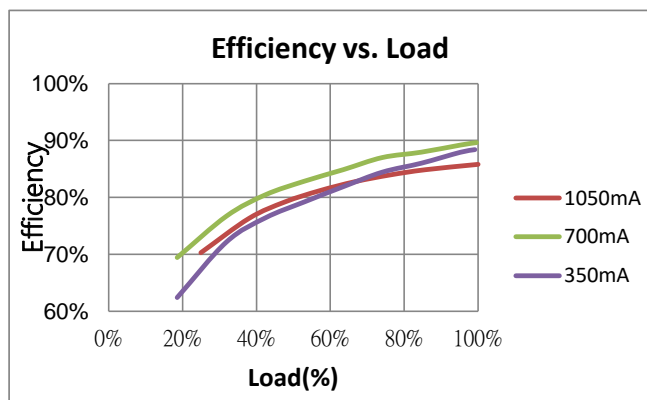
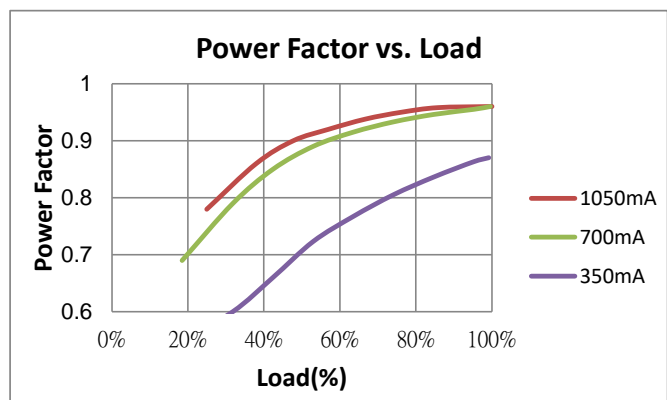
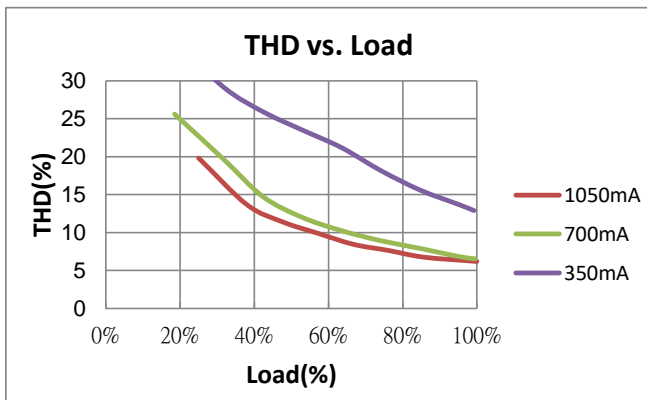
Output Current (mA)	Output Voltage Range (V)	Output Power Range (W)
1050	10-38	10.5-39.9
1000	10-40	10.0-40.0
900	10-44	9.0-39.6
800	10-50	8.0-40.0
700	10-54	7.0-37.8
600	10-54	6.0-32.4
500	10-54	5.0-27.0
450	10-54	4.5-24.3
350	10-54	3.5-18.9

* Upon client's special demand, customized current range in between 350 mA and 1050 mA could be specified as factory default from shipment. This default current range available revised again via NFC reader program at client's site, if necessary.




V/I Curve



Electrical Values



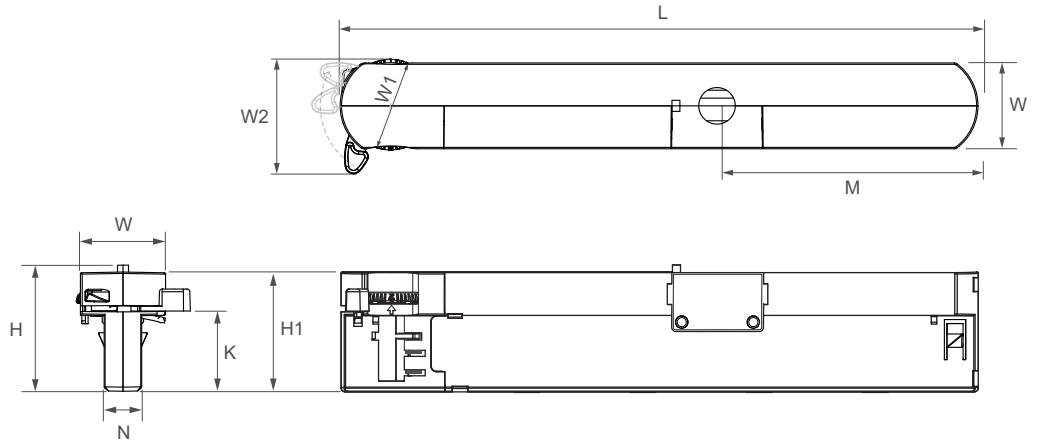
Label

<p>HEPGROUP® HEP GmbH - Ramsloh 10 58579 Schalksmuehle - Germany UN= 220-240Vac IN= 220mA max. λ= 0.45-0.9C f_n= 50-60Hz ta= -20°C - +35°C</p>	<p>Wireless Control NFC LED Driver LWCBC40W1050NLR</p>	 <p>SEC SELV ● tc= 80°C</p>	 <p>CASAMBI</p>	<p>Top side NFC) ↑</p>  <p>Wireless Antenna 9mm wire preparation 0.34-0.5□/AWG 22-20</p>
	<p>Urangle= 10-54Vdc Irated= 350-1050mA const. Prated= 3.5-40W max. ratings Uout= 60V max. for output details see datasheet</p>			

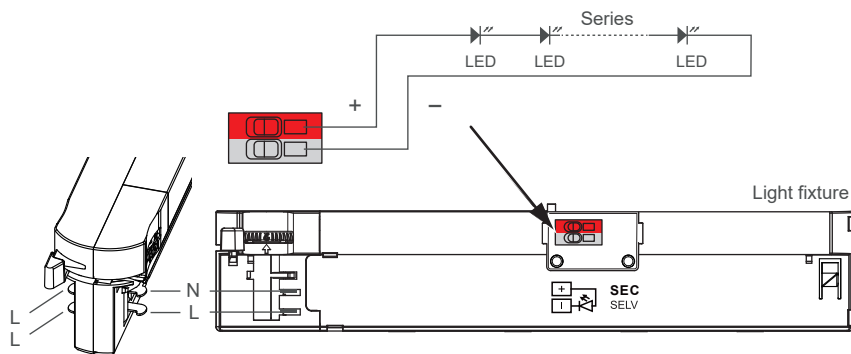
Physical Parameter

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

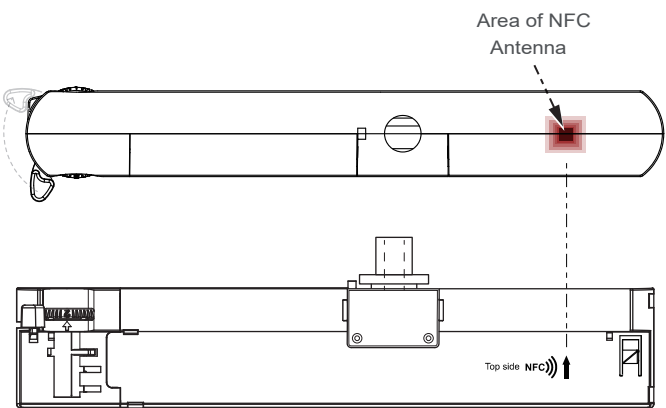
Tolerance : ≥ +/-1 mm
Housing Material : Polycarbonate



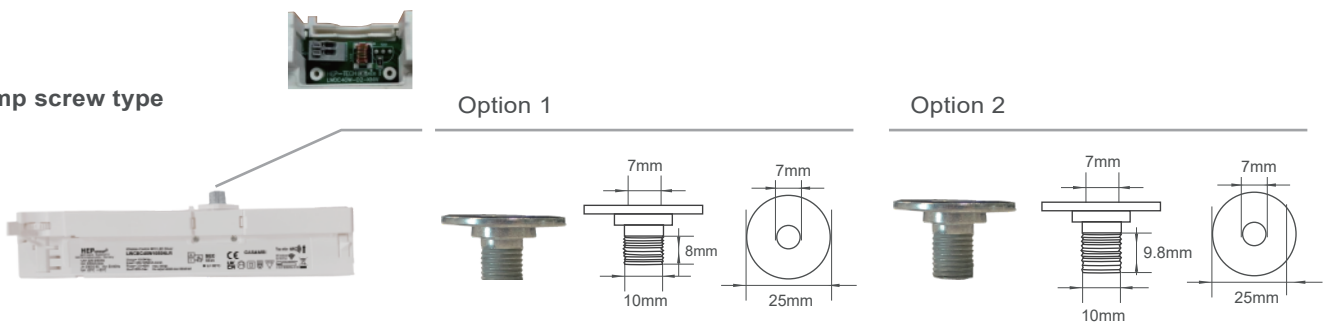
Wiring Diagram



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.

Manufacturer	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