



Approval Marks



CASAMBI



Wireless

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	
Nominal current	75 mA	
Total Harmonic Distortion (THD)	< 20 %	Full load @230VAC
Power factor	0.5-0.9 C	Min-load @ 240Vac and Full-load @ 220 Vac
Displacement factor	0.5-0.9 C	Min-load @ 240Vac and Full-load @ 220 Vac
Efficiency	80 %(Typ.)	Full load @230VAC
No-load power	NA	
Stand-by power	NA	
Networked standby power	< 0.5 W	
Protection class	NA	Suitable for class I luminaires
Inrush current	15.8 A / 25.6 us	Full load @264VAC
Max.units per circuit breaker	Type B , 10A MCB	53
	Type B , 16A MCB	85
	Type C , 10A MCB	67
	Type C , 16A MCB	107
Earth leakage current	NA	
Input		
Nominal voltage range		
150-300mA	10 - 40 Vdc	
Maximum voltage	60 Vdc	
Output channels	1	
Nominal current range	150 - 300 mA	DC Output with adjustable constant current from 150 to 300 mA via NFC in 1mA steps Factory default 150mA
Current accuracy	± 5 %	Full load @230VAC
Typical output LF current ripple	± 5 %	Low Frequency< 120Hz Full load @230VAC
SVM	≤ 0.4	Full load @230VAC
PstLM	≤ 1	Full load @230VAC
Starting time	< 1 S	Full load @230VAC, Soft Start
Nominal power range	1.5 - 12 W	
Maximum power	12 W	
Output		
Dimming control	Wireless	
Dimming range	1 - 100 %	see the dimming curve
Lowest dimming current	0.5 - 2 %	@Vo=40Vdc
Dimming technique	Amplitude	
PWM frequency	NA	
Galvanic isolation	NA	
Dimming		

Item	Value		Remark
Ambient temperature range t_a	- 20 °C	+ 50 °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
Environment	Storage temperature range	- 40 °C - + 85 °C	
	Relative humidity	10 % - 95 %	
	Surge transient protection	2KV	L/N
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	> 100,000	
	Expected lifetime		
Full load 6-12W	> 50,000 h, t_c 80 °C @ t_a 50 °C	0.2% / 1,000 h failure rate	
Output load \leq 7.3W	> 50,000 h, t_c 80 °C @ t_a 60 °C	0.2% / 1,000 h failure rate	

Packing	Gross weight/box	kg		
	Net weight/box	kg		
	Pcs/box	PCS		
	Dimension/box	(L) *	(W) *	(H) mm

Protections	
Short-circuit Protection	Auto recovery
Open-circuit Protection	Auto recovery
Overload Protection	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

PRI Connection	
Cable cross-section	0.5 - 1.5 <input type="checkbox"/> / AWG 20 - 16
Stripping	9 mm
SEC Connection	
Cable cross-section	0.5 - 1.5 <input type="checkbox"/> / AWG 20 - 16
Stripping	9 mm

Terminal	
PRI-	Push button/Angled Entry
SEC-	Push button/Angled Entry

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



Wireless module	Brand	Model name	APP	
	Single Channel	HEP	WBSA	HEPxIDEA
		TUYA	WBSB,WZSB	Smart Life
		CASAMBI	WBSD	CASAMBI

**For optional model, please check out its data sheet for details of specification.

■ 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 cord.



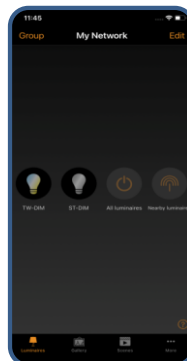
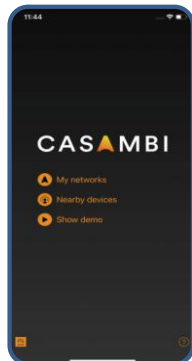
CASAMBI



Android



IOS



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

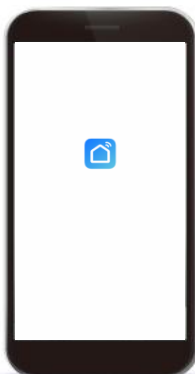
Tuya(Smart Life)



Android



IOS



Website : <https://www.tuya.com/cn/>

HEP(HEPxIDEA)



Android



IOS



Website : <http://www.hepgroup.net/zh-tw/a2-4990/HEPxIDEA.html>

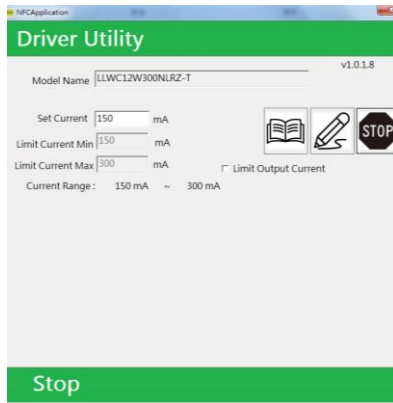
Current adjustable

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 and/or color temperature

QR Code

Google play



APK



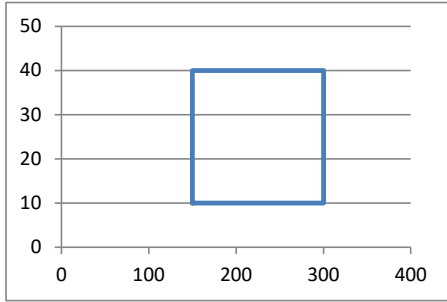
Android 4.2 Up
Smart phone with a NFC function

Output Current (mA)	Output Voltage Range (V)	Output Power Range (W)
300	10-40	3.0-12.0
250	10-40	2.5-10.0
200	10-40	2.0-8.0
150	10-40	1.5-6.0

* Upon client's special demand, customized current range in between 150 mA and 300 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

Output Power Range



Electrical Values

