



	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	
	Nominal current	160 mA	
	Total Harmonic Distortion (THD)	< 10 %	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	85 % (Typ.)	Full load @230VAC
	No-load power	NA	
	Stand-by power	NA	
	Networked standby power	< 0.5 W	
	Protection class	NA	
	Max.units per circuit breaker	Inrush current	13 A / 30 us
		Type B , 10A MCB	25
		Type B , 16A MCB	40
		Type C , 10A MCB	31
		Type C , 16A MCB	50
	Earth leakage current	NA	
Output	Nominal voltage range		
	350-600mA	10 - 42 Vdc	
	Maximum voltage	60 Vdc	
	Output channels	1	
	Nominal current range	350 - 600 mA	DC Output with adjustable constant current from 350 to 600 mA via NFC in 1mA steps 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
	PstLM	≤ 1	Full load @230VAC
	Starting time	< 0.5 S	Full load @230VAC
Dimming	Nominal power range	3.5 - 25.2 W	
	Maximum power	25.2 W	
	Dimming control	Wireless	
	Dimming range	1 - 100 %	see the dimming curve
	Lowest dimming current	0.5 - 2 %	@Vo=40-42Vdc
	Dimming technique	Amplitude	
	PWM frequency	NA	
Galvanic isolation	NA		
Environment	Ambient temperature range t _a	- 20 °C - + 50 °C	
	Maximum case temperature t _c	85 °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 %	

Item	Value	Remark
Surge transient protection	2kV	L/N
Environment	Environmental rating	Indoor
	IP rating	IP20
	Mains switching cycles	> 100,000
	Expected lifetime	
	Full load 14.7-25.2W	> 50,000 h, tc 85 °C @ ta 50 °C
Output load ≤ 15.1W	> 45,000 h, tc 85 °C @ ta 60 °C	0.22% / 1,000 h failure rate
Packing	Gross weight/box	kg
	Net weight/box	kg
	Pcs/box	120 PCS
	Dimension/box	490 (L) * 270 (W) * 225 (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

Cable information	
PRI Connection	
Cable cross-section	0.5 - 1.5 □ / AWG 20 - 16
Stripping	9 mm
SEC Connection	
Cable cross-section	0.5 - 1.5 □ / 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.



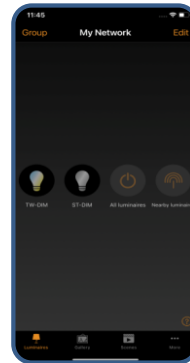
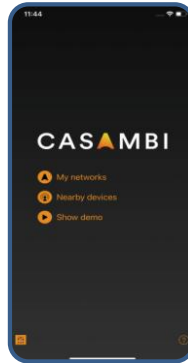
CASAMBI



Android



IOS



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

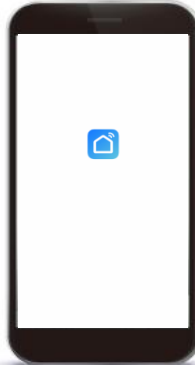
Tuya(Smart Life)



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.

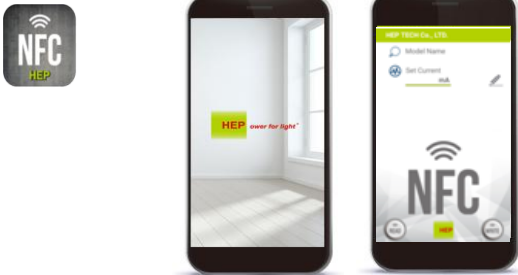


NFC APP

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



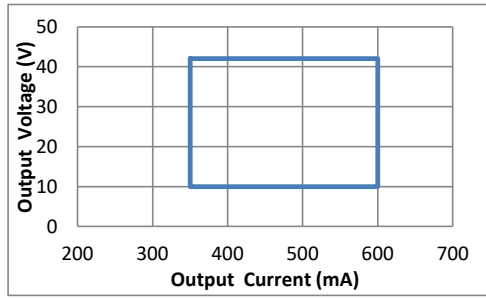
Android 4.2 Up
 Smart phone with a NFC function

Output Current (mA)	Output Voltage Range (V)	Output Power Range (W)
600	10-42	6.0-25.2
550	10-42	5.5-23.1
500	10-42	5.0-21.0
450	10-42	4.5-18.9
400	10-42	4.0-16.8
350	10-42	3.5-14.7

* Upon client's special demand, customized current range in between 350 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.

V/I Curve

Output Power Range



Electrical Values

