

PEAH-B2 Series

Constant Current Plastic Housing LED Driver (0-10V)



Product Features:

- Plastic housing outgoing line design
- 0-10V Dimming function
- IP40 rating for indoor and outdoor



Models

Model Number	Output Current	Input Voltage	Output Voltage	Output Power	Efficiency	Power Factor
PEAH015C0250VSRPB2	250mA	176-264V	27-44V	15W	84.0%	0.9
PEAH020C0400VSRPB2	400mA	176-264V	27-42V	20W	86.5%	0.9
PEAH030C0600VSRPB2	600mA	176-264V	27-42V	30W	88.0%	0.9
PEAH040C0850VSRPB2	830mA	176-264V	27-40V	40W	88.0%	0.9

Note:
1.DC output cable to be specified by the purchaser

Product Datasheet

Input Specifications

Parameter	Min.	Typ.	Max.	Notes
Input AC Voltage	176 Vac	-	264 Vac	
Input Frequency	47 Hz	50/60Hz	63 Hz	
Input AC Current	-	0.08A 0.11A 0.16A 0.21A	-	PEAH015@230Vac, Full Load PEAH020@230Vac, Full Load PEAH030@230Vac, Full Load PEAH040@230Vac, Full Load
PF	-	0.9	-	@230Vac, Full Load
THD	-	15%	-	@230Vac, Full Load

Output Specifications

Parameter	Min.	Typ.	Max.	Notes
Output Current Tolerance	-5%loset	-	5%loset	@Full Load
Output ripple current	-	5%	8%	@100Hz
No Load Output Voltage	-	-	50V	
Turn-on Delay Time	-	-	500ms	@230Vac Full Load

Dimming Specifications

Parameter	Min.	Typ.	Max.	Notes
Recommended Dimming Input	1 V	-	10 V	
Dim off Voltage	0.2 V	-	0.6 V	
Dim on Voltage	0.1V	-	0.5V	

Product Datasheet

General Specifications

Parameter	Min.	Typ.	Max.	Notes
Standby Power	-	1W	-	
Lifetime	-	50,000 Hours	-	Measured at 230Vac input, 100%load and 80℃ case temperature; See lifetime vs. Tc urve for the details
Tc	-	-	+90℃	
Operating Temperature	-25℃	-	+35℃	
Storage Temperature	-40℃	-	+85℃	@Humidity: 5%RH to 95%RH
Dimensions	-	124*41*28mm	-	
Net Weight	-	130g	-	N/A

Safety&EMC Compliance

Safety	GB19510.1,GB19510.14; IEC61347-1, IEC61347-2-13; EN61347-1,EN61347-2-13,EN62384
EMC	GB/T17743,GB17625. 1; EN55015,EN61000-3-2, EN61000-3-3,EN61547; EN61000-4-5
ErP	Erp2.0 EU 2019/2020
Surge	L-N/2KV
Withstanding Voltage	I/P-O/P: 3kV&5mA&60S
Insulation Resistance	I/P-O/P:>100M2@500Vdc
RoHS	RoHS(2011/65/EU) (EU)2015/863

Protection Functione

Overload Protection	-
Short Circuit Protection	Automatic reversible
Over Temperature Protection	-
No-load protection	50V
Type of protection	IP40

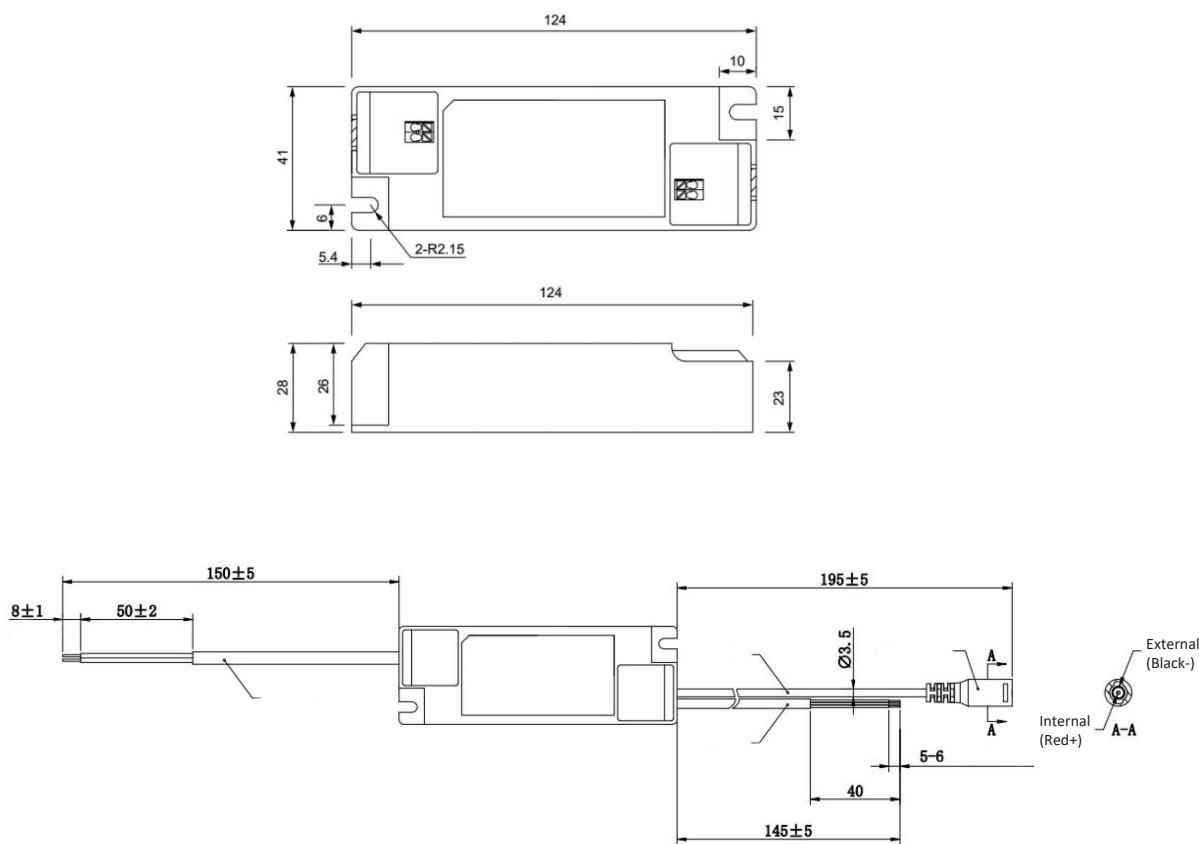
Note :

1.All parameters NOT specially mentioned are measured at 230VAC input, full load and 25°C of ambient temperature.

2.EL compatible with IEC 61347-2-13 Annex J, compatible with EN 60598-2-22 emergency lighting fixtures, compatible with EN 50172central battery system applications.

3.All Eadlerise power supoly are complied with EMI reaulations, Since they are belong to component and will be instaled inside systemenclosure. When they are integrated into a system, the EMI characteristics of the system must be re-verified again.

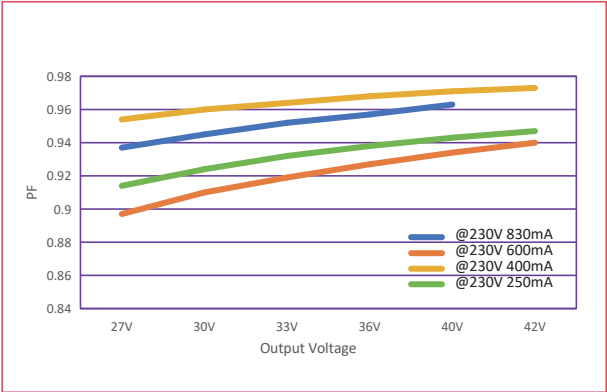
Exterior Dimensions (unit: mm)



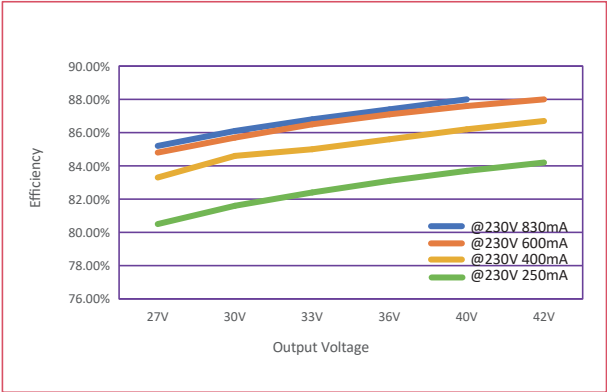
Note: DC output cables shall be purchased as specified by the demander

Electrical Curves

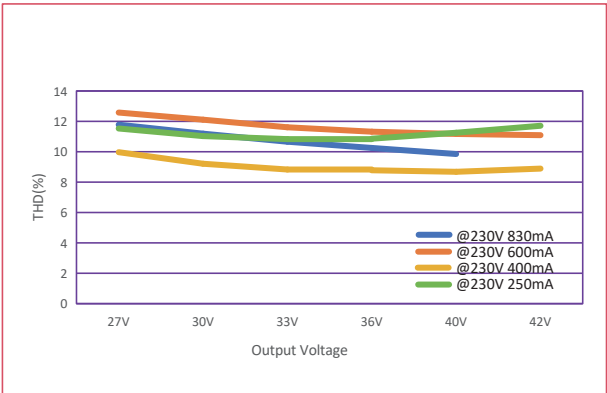
PF&Output Voltage



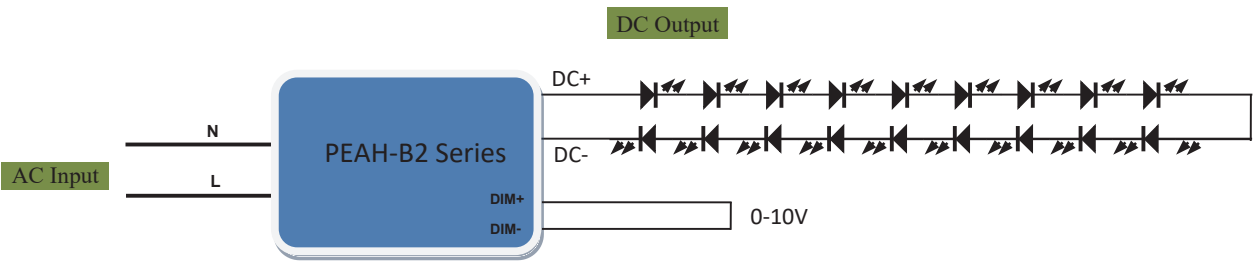
Eff&Output Voltage



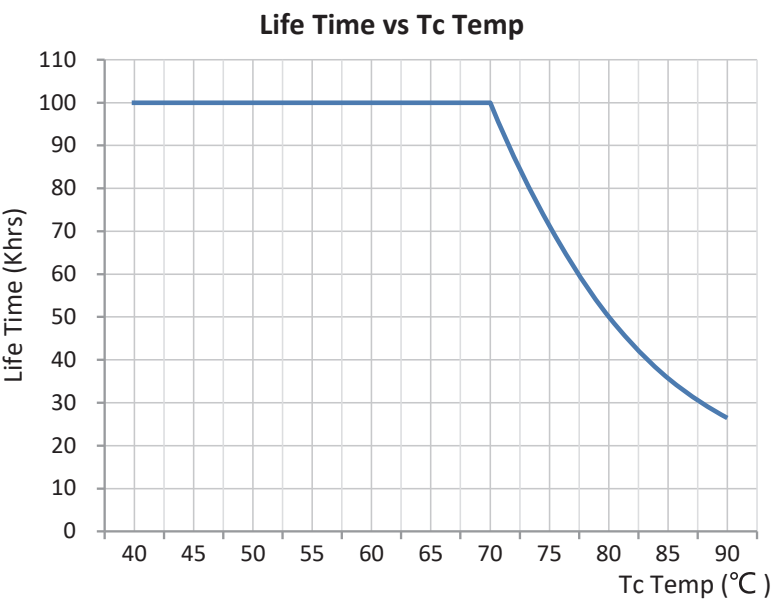
THD&Output Voltage



Wiring Method



Life curve graph



Quantity per Package

Model	Carton size	Qty/carton	G.W
PEAH-B2	425*200*130mm	90PCS	12.7KG