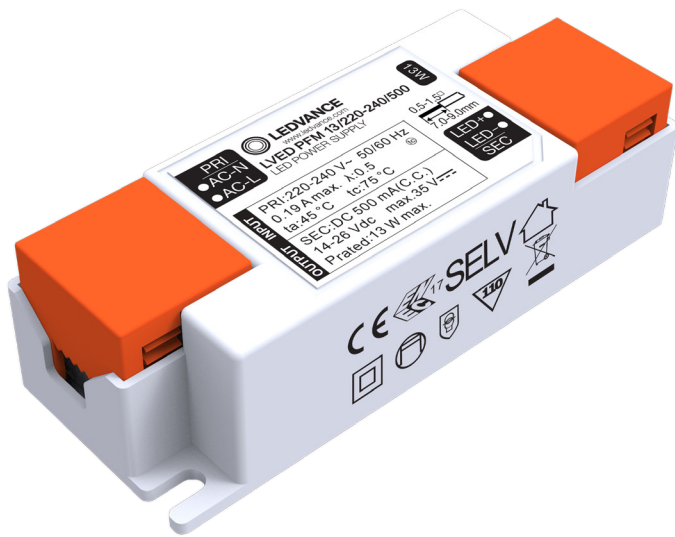


PRODUCT DATASHEET

LVED PFM 13/220-240/500-LPF

PERFORMANCE INDOOR DRIVER



AREAS OF APPLICATION

Indoor

PRODUCT BENEFITS

TECHNICAL DATA

General

Model Name / Basic Code	LVED PFM 13/220-240/500-LPF / AC43315
Product Category	Non-dim
Region	Turkey
Product Installation Type & Location	Independent
Legally Required Standards / Directives or Certifications	CE (CE LVD, EMC, ROHS, Reach, SLR/ELR) & ENEC
Glow Wire Test Temperature acc. IEC 60695-2-11	650°C
Indoor / Outdoor	Indoor
IP Level	IP20
Protection Class	Class II

Electrical Data

Requirement	Condition	Rated Value	Tolerance	Unit
Input Voltage	Direct AC Mains	220-240	±10%	V
Input Voltage	Direct DC	N/A		V
Input Current	Direct AC Mains	190	±10%	mA
Product Input Power	Steady state	18.8	max	W
Standby		<0.5W		W
No Load Power		<0.5W		W
Rated Frequency		50/60	50/60	Hz
Start Time	Rated voltage	<0.5		s
Power Factor (PF)	Rated voltage	>0.5@Full Load, 230VAC		
Displacement Factor (DF)	Rated voltage	>0.5@Full Load, 230VAC		
Total Harmonic Distortion (THD)	Max / Min Load	<107% / 98.6% @Full Load, 230VAC	Max	%
Output Voltage	Steady state	14-26		%

Output Current	Steady state	500		mA
Output Current / Voltage Tolerance	Full Load	< ±5%@Full Load, 230VAC		%
Output Power	Steady state	13@Full Load, 230VAC		W
Driver Efficiency	Full Load	82%@Full Load, 230VAC	Min	%
Output Ripple Current Percentage	Full Load ((I _{max} - I _{Min}) / (I _{max} + I _{Min}) * 100%)	< ±5%@Full Load	Max	%
Noise Level	Test at 20cm with noise testing equipment	Single Product <20		dB
Dimming Range	For all level load	N/A		
Surge Voltage Capability		L/N: 500V		
Over Temperature Protection		Yes (protection by driver IC component)		
Over Current Protection		N/A		
Over Voltage Protection		Yes (protection by driver IC component)		
Other Requirements		N/A		

Lifetime and Application Environment

Requirement	Condition	Rated Value	Unit
Declared Lifetime	Full load with max tc	5000h	hrs
Ambient Temperature Range (Ta)		-20 ~ +45	°C
^R Tc Temperature of Product Under Ta Max	Max	75	°C
Max Tc Temperature of Driver in Fault Condition		<110	°C
Operating Humidity		20 ~ 90%	%
Storage Humidity	Product	20 ~ 90%	%
Switching Cycle	0.5min on / 0.5min off cycle	25000	times
Warranty Year	24hrs / day	5 Years and 3 Months	years
Lifetime Calculation at Ta and ^R Tc		Ta: 30 / Tc: 50.5 / Lifetime(hrs): 317790 Ta: 40 / Tc: 59.7 / Lifetime(hrs): 169120 Ta: 45 / Tc: 64.5 / Lifetime(hrs): 121680	
Other Requirement	N/A		

Smart Feature

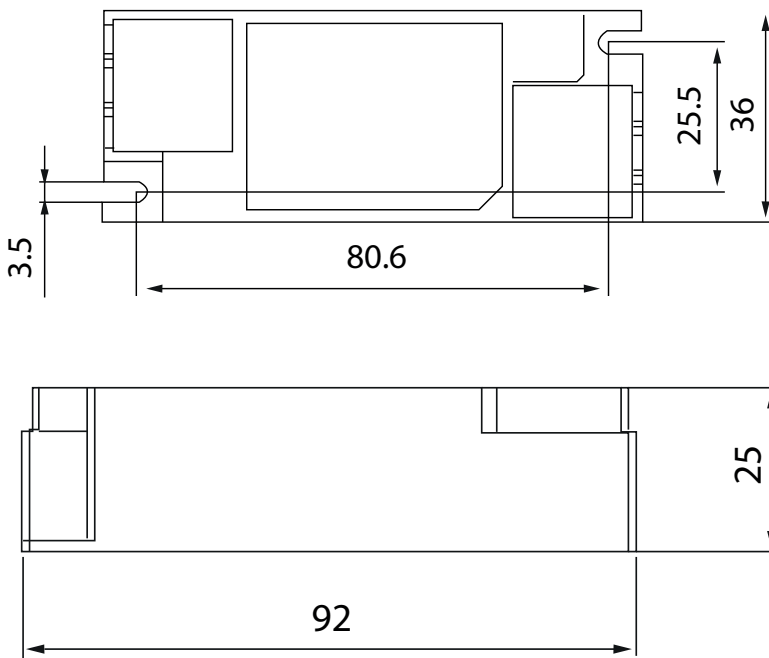
Requirement	Condition	Rated Value	/
Wireless Protocol		Wifi	

Protection Function

		MAX Number Of Drivers On Different Breaker			
Inrush Charge Th50 (us)	96us	B32	B25	B16	B10
Input Current	0.19A	N/A	105	84	52
Inrush Current Peak (A)	8A	C32	C25	C26	10
		N/A	105	84	52

Direct Mains Operation

Dimensions & Weight



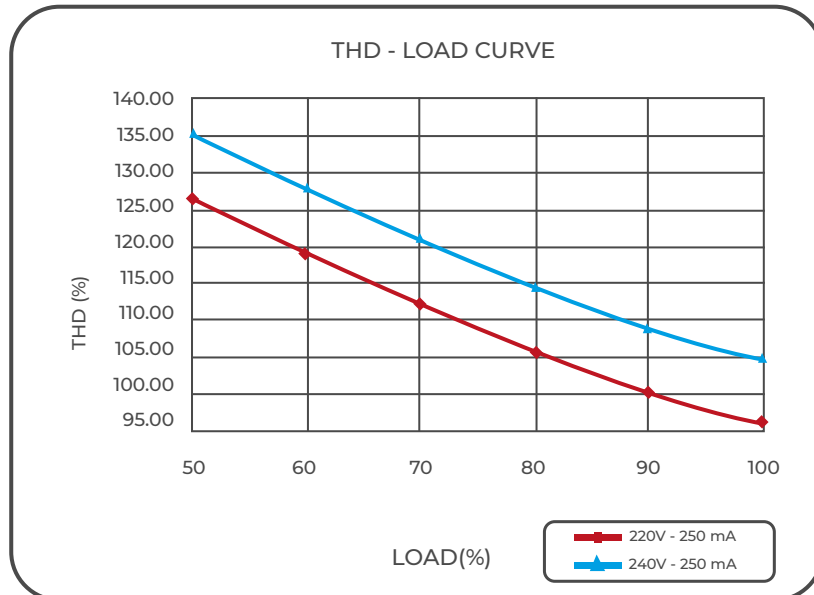
Length	92 mm
Width	36 mm
Height	25 mm
Net Weight	49g
Cable Length & Size of LED Driver	0.5-1.5mm
Other Requirements	N/A

Note: please mark LED driver and luminaire module Tc test point in picture as above

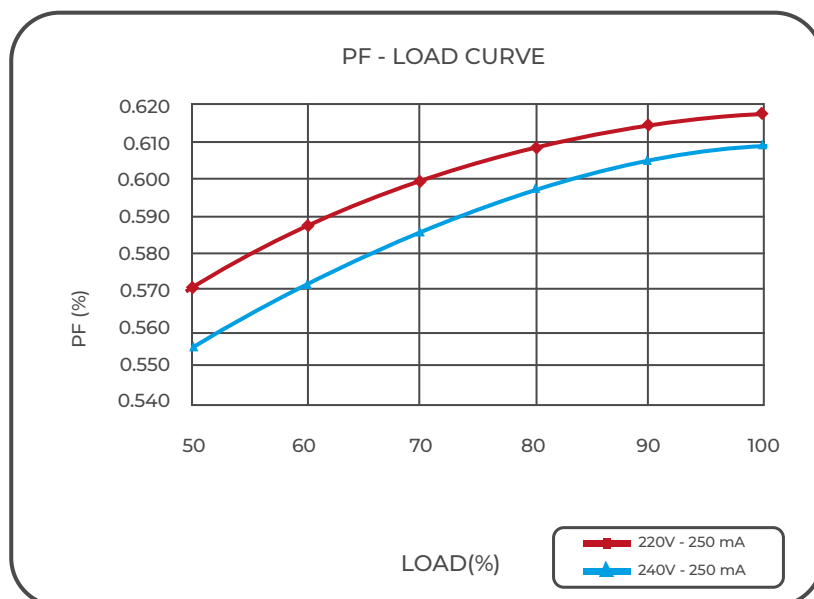
Short Text	EAN-010	EAN-040
LVED PFM 13/220-240/500-LPF	-	-

Curve

Typical THD v.s Load

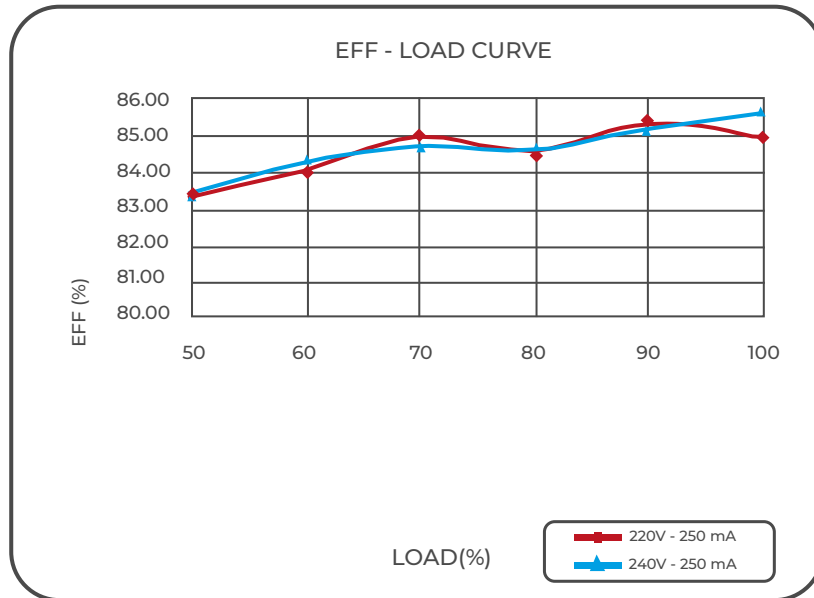


Typical Efficiency v.s Load



Curve

Typical Power Factor v.s Load



Typical Lifetime v.s Tc

