

Product Features

- 1, Constant current output
- 2, High Quality of light
- 3, High Reliability
- 4, Low Output Current Ripple
- 5, Non-isolated
- 6, Internal usage
- 7, DIP Switch 200/250/300/350mA
- 8, DIM 0/1-10V
- 9, Input voltage 380Vac protection

Customer Item No. _____ Customer Signature: _____ IC. _____ KP _____ Version _____ V1 _____

1) Compliances and Approvals

Approvals	CE EAC
Built-in/independent	Built in
Ingress protection	IP20
Suitable for fixture of protection Class	Class I
Output Safety Level	Non-isolated
Enviromental	Indoor
Features	Fixed

2) Electric Input Characteristics

) Electric Input Characteristics		Symbol	Remarks	Min.	Typical	Max.	Unit
Input Voltage							
Rated mains voltage	Vin	Nominal range	220	-	240	Vac	
Mains voltage range	Vin.op	operational	195	-	264	Vac	
Mains frequency nominal	fn	Nominal range	50		60	Hz	
Rated mains voltage	Vin	Nominal range	195	-	264	Vdc	
Starting time		@230Vac, full load			500	ms	
Input Current							
Input current	Iin	@230Vac, full load		0.22		A	
Input inrush current		@230Vac, 50% width		13.7A,288us		A, us	
Power Factor	PF	@230Vac, full load	0.95				
Total Harmonic distortion	THD	@230Vac, full load			20	%	
System Efficiency	η	@230Vac, full load		92		%	
Input Power							
Input Power	Pin	@230Vac, full load			43	W	
Input Power@ open load		rated input voltage		NA		W	
Input Power@ standby		rated input voltage			0.5	W	
Dimming							
Dimming type			DIP SWITCH、DIM 0/1-10V				

3) Electric Output Characteristics

) Electric Output Characteristics	Symbol	Remarks	Min.	Typical	Max.	Unit																
Output Voltage																						
Output voltage range	Vo	measured at end of wire	60		115	Vdc																
Output voltage @no load	Vo.max	open load		160		Vdc																
Output Current																						
Output Current	Io			200/250/300/350		mA																
Default Setting Current	Io			350		mA																
DIP when power on is NOT allowed, please disconnect the AC power before DIP																						
			<table><tr><td>PIN1</td><td>PIN2</td><td>Iout</td></tr><tr><td>OFF</td><td>OFF</td><td>200mA</td></tr><tr><td>ON</td><td>OFF</td><td>250mA</td></tr><tr><td>OFF</td><td>ON</td><td>300mA</td></tr><tr><td>ON</td><td>ON</td><td>350mA</td></tr></table>			PIN1	PIN2	Iout	OFF	OFF	200mA	ON	OFF	250mA	OFF	ON	300mA	ON	ON	350mA		
PIN1	PIN2	Iout																				
OFF	OFF	200mA																				
ON	OFF	250mA																				
OFF	ON	300mA																				
ON	ON	350mA																				
Output Current tolerance			-7.5		7.5	%																
Current Ripple		@230Vac (Imax-Imin)/(Imax+Imin)		1		%																
Output Power	Po	output performance power			40	W																
Isolation	In-Out	3000Vac. for 1min		NA		mA																

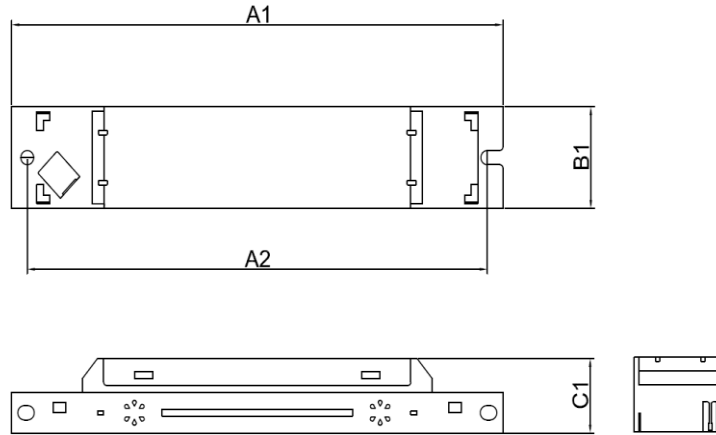
4) Robustness	Symbol	Remarks	Min.	Typical	Max.	Unit
General						
Electric strength	Input-Output	50Hz/60Hz and be applied for 1 min		NA		Vrms
	Input-GND			1480		Vrms
Insulation Resistance Test		500Vd.c. for 1min, For SELV part is 100 Vd.c.	2			MΩ
Reliability						
Rated Life@Tc.max		10% failure			50K	Hrs
Rated Life@Tc.life		10% failure			100K	Hrs
Surge	L-N			1		kV
Surge	L/N-PE			2		kV
Environment Operation						
Ambient temperature	Ta		-15		50	℃
Maximum Tcase	Tc.max				80	℃
Tc life	Tc.life				70	℃
Operation Humidity	H.op		10		90	%
Environment Storage						
Storage temperature	T.st		-25		85	℃
Storage Humidity	H.st		10		90	%
Abnormal Condition						
Input Over Voltage		Protected, no damage to driver ^①		380		Vac
Output Short Circuit		Protected, no damage to driver ^②		With		
Output Open load		Output voltage limited to Vo.max ^③		145		Vdc
Too High Ambient Temperature		Protected by built-in thermal protection in controller IC ^④		With		
Input Over Power		Input power should be limited and no damage to driver ^⑤			43	W

- ① If the LED driver connects to Input Voltage 380Vac, then the protection Turn On and the Led driver is switched off until its connect to Input voltage 220-240Vac.
 In this protection mode, the led driver does not blink and can be not damage more than 48 hours
- ② Auto Recovery
- ③ Auto Recovery
- ④ The output current decreases
- ⑤ There is risk to damage the LED driver or decreases the life time.

5) Warranty

- Warrenty 5 years
- Except for the following circumstance:
 - 1) Improper Installation or operation
 - 2) Misuse
 - 3) Abuse
 - 4) Unauthorized or improper repair alteration
 - 5) Accident or negligence in use, storage, transportation.
 - 6) Any natural destroy
 - 7) Exceed the specifiacion as per the product datasheet

6) Mechanical properties	Symbol	Remarks	Unit
Dimensions		L W H M	
		160(A1) 30(B1) 22(C1) 149.8(A2)	mm
Housing Material		Metal	



7) Physical properties	Symbol	Remarks	Unit
Weight		98	gram
Qty to Carton		100	pcs
Carton Size:		32*17*27	cm
G.W:		10.5	kgs
Potting Raw materials		without	
Printing		printing can be changed by customer's email confirmation	

size:96*27mm

INPUT

LED Driver
PL-HMXV-040WA0350C-380V
220-240Vac 50/60Hz

Pin	43W	lin	0.22A
PF	0.95	Umax	160V
Iout	350mA	Uout	60-115V
Ta	-15...50°C	Tc	80°C

PIN1	PIN2	Iout
OFF	OFF	200mA
ON	OFF	250mA
OFF	ON	300mA
ON	ON	350mA

LED OUTPUT

0/1-10V INPUT OUTPUT

9-10mm 0.5-0.75mm Cable
Tc ●
Made in China

Connection	Signal	Cable Description	Remark
Input	L	0.5-0.75mm ²	grey, push-in terminal
	N	0.5-0.75mm ²	grey, push-in terminal
	G	0.5-0.75mm ²	grey, push-in terminal
DIM	0/1-10V +	0.5-0.75mm ²	red, push-in terminal
	0/1-10V GND	0.5-0.75mm ²	black, push-in terminal
Output	+	0.5-0.75mm ²	red, push-in terminal
	-	0.5-0.75mm ²	black, push-in terminal
Connection Marking	Yes		

8) Directives / Test Standards

Safety

IEC61347-1、IEC61347-2-13

EMC

EN55015、CISPR15、EN61000-3-2、EN61547、EN61000-4-2、EN61000-4-3、EN61000-4-4、EN61000-4-5、EN61000-4-6、EN61000-4-11

9) Addition Remarks

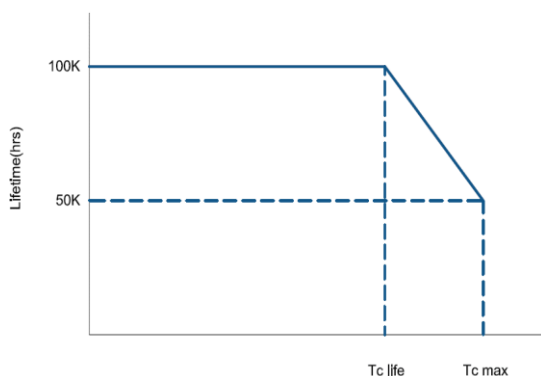
- The LED driver used in combination with the end device is one of the accessories of the whole light fixture, and the EMC of the whole light fixture is not only susceptible to the driver itself, but to the LED light fixture and the whole light fixture's wiring. The manufacturer of LED light fixture should re-confirm the EMC of the whole light fixture before the whole light fixture is finished.

- The luminaire manufacturer is responsible for the correct choice and installation of the LED drivers according to the application and product datasheets. Operating conditions of the LED drivers may never exceed the specifications as per the product datasheet.

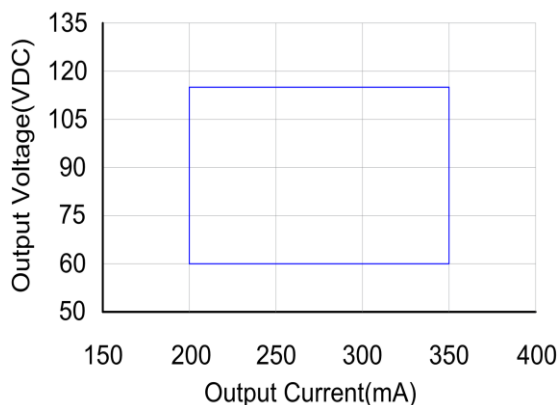
- All parameters, if not specified, are measured at 230Vac full loading and 25°C ambient temperature

10) Performance

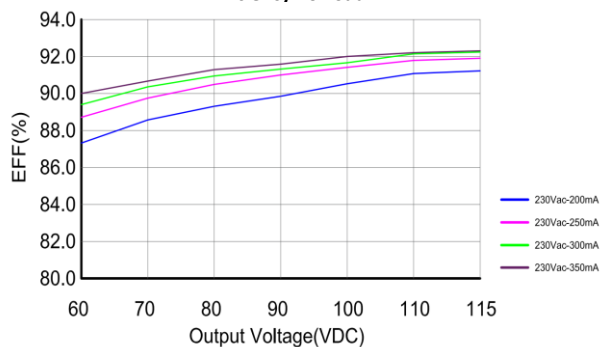
Lifetime vs. Temperature Curve



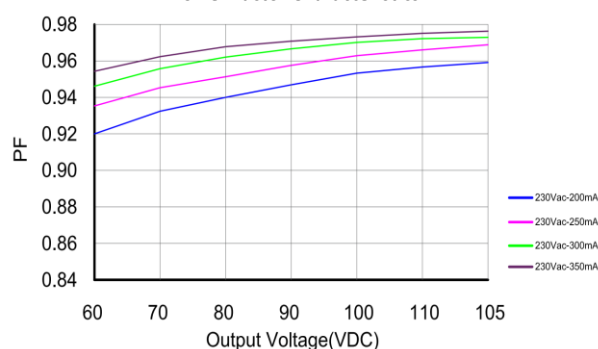
Operating window



Efficiency VS. Load



Power Factor Characteristics



Dimming curve

