

Product Features

- 1, Constant current output
- 2, High Quality of light
- 3, High Reliability
- 3, Low Output Current Ripple
- 4, Isolated
- 5, External
- 6, DIP Switch 500/550/600/650mA
- 7, High Efficiency up to 95%

1) Compliances and Approvals

Approvals	EAC CB CCC CE ENEC RCM UATR UKCA
Built-in/independent	Independent
Ingress protection	IP20
Suitable for fixture of protection Class	Class II
Output Safety Level	Isolated
Enviromental	Indoor
Features	Fixed

2) Electric Input Characteristics

	Symbol	Remarks	Min.	Typical	Max.	Unit
Input Voltage						
Rated mains voltage	V _{in}	Nominal range	220	-	240	Vac
Mains voltage range	V _{in.op}	operational	195	-	264	Vac
Mains frequency nominal	f _n	Nominal range	50	-	60	Hz
Rated mains voltage	V _{in}	Nominal range	186	-	250	Vdc
Input Current						
Input current	I _{in}	@230Vac, full load		0.14		A
Input inrush current		@264Vac, 50% width		34A,124us		A, us
Power Factor	PF	@230Vac, full load	0.95			
Total Harmonic distortion	THD	@230Vac, full load			20	%
System Efficiency	η	@230Vac, full load		95		%
Input Power						
Input Power	P _{in}	@230Vac, full load			29	W
Input Power@ open load		rated input voltage			0.5	W
Input Power@ standby		rated input voltage		NA		
Dimming						
Dimming type				DIP SWITCH		

3) Electric Output Characteristics

Output Voltage																					
Output voltage range	Vo	measured at end of wire	30	40	Vdc																
Output voltage @no load	Vo.max	open load	60		Vdc																
Output Current																					
Output Current	Io		500/550/600/650		mA																
Default Setting Current	Io		650		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>500mA</td></tr><tr><td>ON</td><td>OFF</td><td>550mA</td></tr><tr><td>OFF</td><td>ON</td><td>600mA</td></tr><tr><td>ON</td><td>ON</td><td>650mA</td></tr></table>							PIN1	PIN2	Iout	OFF	OFF	500mA	ON	OFF	550mA	OFF	ON	600mA	ON	ON	650mA
PIN1	PIN2	Iout																			
OFF	OFF	500mA																			
ON	OFF	550mA																			
OFF	ON	600mA																			
ON	ON	650mA																			
Output Current tolerance			-7.5	7.5	%																
Current Ripple		@230Vac (Imax-Imin)/(Imax+Imin)	1		%																
Output Power	Po	output performance power		26	W																
Isolation	In-Out	3000Vac. for 1min		10	mA																

4) Robustness	Symbol	Remarks	Min.	Typical	Max.	Unit
General						
Electric strength	Input-Output	50Hz/60Hz and be applied for 1 min		3000		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		-40		50	℃
Maximum Tcase	Tc.max				75	℃
Tc life	Tc.life				75	℃
Operation Humidity	H.op		10		90	%
Environment Storage						
Storage temperature	T.st		-40		85	℃
Storage Humidity	H.st		10		90	%
Abnormal Condition						
Input Over Voltage		Protected, no damage to driver ^①		Without		Vac
Output Short Circuit		Protected, no damage to driver ^②		With		
Output Open load		Output voltage limited to Vo.max ^③		60		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			29	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

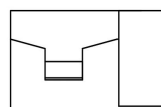
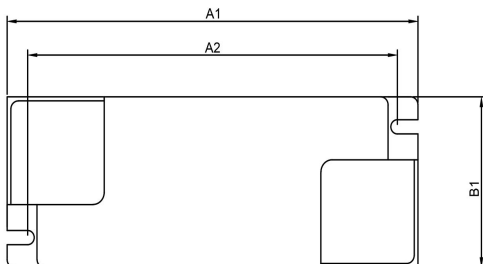
Remarks

Unit

Dimensions

L	W	H	M	
114(A1)	41.5(B1)	25(C1)	104(A2)	mm
Plastic				

Housing Material



7) Physical properties

Symbol

Remarks

Unit

Weight

84

gram

Qty to Carton

100

pcs

Carton Size:

43*24.5*16.5

cm

G.W:

9

kgs

Potting Raw materials

without

Printing

printing can be changed by customer's email confirmation

size:63.5*35mm

OSSDAT LED Driver
PL-HPI-026WB0650C-HE
220-240Vac 50/60Hz

INPUT

PIN1	PIN2	Iout
OFF	OFF	500mA
ON	OFF	550mA
OFF	ON	600mA
ON	ON	650mA

Pin	29W	Iin	0.14A
PF	0.95	Umax	60V
Iout	650mA	Uout	30-40V
Ta	-40...50°C	Tc	75°C

OUTPUT

9-10 mm Cable 0.5-0.75mm²

Made in China

Connection

	Signal	Cable Description	Remark
Input	N	0.5-0.75mm ²	grey, push-in terminal
	L	0.5-0.75mm ²	grey, push-in terminal
Output	-	0.5-0.75mm ²	black, push-in terminal
	+	0.5-0.75mm ²	red, push-in terminal

Connection Marking

Yes

8) Directives / Test Standards

Safety

EMC

Directives / Test Standards

IEC61347-1、IEC61347-2-13

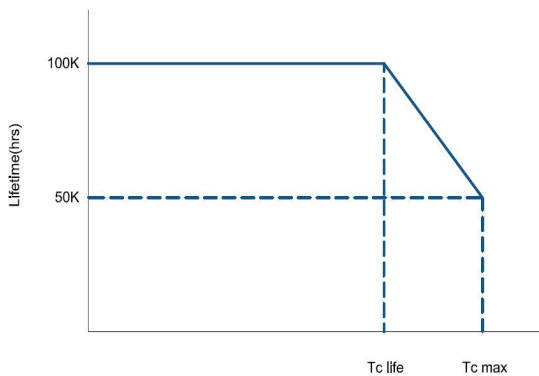
IEC55015、CISPR15、EN61000-3-2、EN61547、EN61000-4-2、EN61000-4-3、EN61000-4-4、
EN61000-4-5、EN61000-4-6、EN61000-4-11

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

