

Technical Datasheet

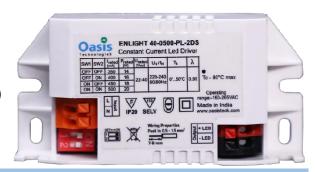
Model Name : ENLIGHT 40-0500-PL-2DS

Model No. : 040C0500ZEC

Description : Constant Current LED Driver (Isolated)

BIS Approbations : IS 15885 (Part 2 / Sec 13)

BIS Status : In Process



Technical Specifications:

Category	Parameters	Specifications	
	Output Type	Constant Current Non Dimmable	
	Dimming Type		
Features	IP Grade	IP 20	
	Insulation Class	Class II	
	Application	Indoor	
	Rated Input Voltage	220 - 240VAC	
	Operating Input Voltage	160-265VAC	
	Frequency	50-60Hz	
	Input Current	0.103A	
	Input Power	23W	
Input	Power Factor	>0.95	
	ATHD	<10%	
	No Load / Standby Power	<0.5W	
	Galvanic Isolation (Input to Output)	1.5KV	
	Input Overvoltage Protection	>300VAC ±5VAC	
	Input Under voltage Protection	<80VAC ±5VAC	
	Output Current	350-500mA	
	Output Voltage	22-40VDC	
	Output Power	14-20W	
	Current Tolerance	<5%	
Output	Efficiency	≥85% @ 100% load (240VAC)	
	Current Ripple	<30%	
	Overload Protection	Yes	
	Open Circuit Protection	Yes	
	Short Circuit Protection	Yes	
	Ambient Operating temperature Range	0°C - 50°C	
Environment &	Storage Temperature	-20°C to +80°C	
Protection	Max Case Temperature	80°C	
	Surge Protection	4KV	
	440VAC Protection	2Hrs	
	Connection	Connector 2pole 45° push-in with release	
		key	
Construction	PRI Wire Preparation	8.5-9.5mm Strip length (0.5-1.5sqmm)	
	SEC Wire Preparation	8.5-9.5mm Strip length (0.5-1.5sqmm)	
	Dimensions	80x40x22MM	
	Weight	60Gms	



Dip Switch Combination:

Combination	SW1	SW2	Output
1	OFF	OFF	350mA
2	OFF	ON	400mA
3	ON	OFF	450mA
4	ON	ON	500mA

Wiring instructions:

- All connections must be kept as short as possible to ensure good EMI behavior
- Mains leads should be kept apart from LED Driver and other leads (ideally 5 . 10 cm distance)
- Advice the maximum length of output wires is 2Mtrs.
- Incorrect wiring can damage LED modules.
- The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips,louver, etc.)

Reach us at:⊕ www.oasisteck.com / mkt@oasisteck.com / +9120 41290768 / +91 7559441929

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