

AAH20-C350

Constant current LED driver(Non-isolated)

Product family features



- Flexible with 1 driver offers 4 output currents;
- Simple current selection via dip switch
- Input Voltage: 220 to 240VAC (maximum: 198-264 VAC)
- Output Frequency: 50-60Hz
- Output Power: 20Watt Max
- Output Voltage: 25Vdc to 100Vdc
- Output Voltage: 200mA to 350mA
- Efficiency: Up to 88%
- Warranty: 5years
- A rated lifetime of 50,000 hours @ Tc = 85 °C



Technical data

Electrical Parameter

Product Mode	output Power (W)	Output Voltage (Vdc)	Output Constant Current (mA)	Current Accuracy (typ.)	Max Eff	Certification
AAH20-C350	20	25-100	200-350	±5%	88%	CE

Note: Maximum efficiency measured at 230VAC input, Current set at 350mA full load

Parts list

Part Number	AAH20W			
Output Current	200mA	250mA	300mA	350mA
Vf min	25V	25V	25V	25V
Vf max	100V	80V	66.7V	57V
Pomin	5W	6.25W	7.5W	8.75W
Pomax	20W	20W	20.01W	19.95W

Product datasheet

Technical data

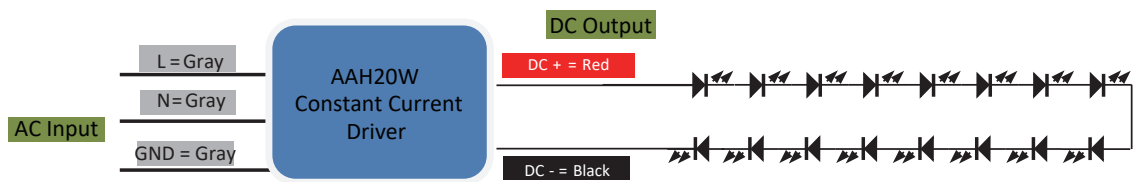
Electrical Specifications

	Item	Value	Remarks
Input	Nominal voltage	220-240V	
	Nominal frequency	50/60HZ	
	AC voltage range	198-264V	
	Nominal current	110mA	230V, Refer to Table 1 for details
	THD	15%	@ full load
	Power Factor (PF)	0.9	Full load, 220 – 240 V, 50 Hz / see graphs
	Maximum voltage	320V	2 h maximum, unit might not operate in this abnormal condition
	Efficiency	88%	Full load, 220 – 240 V, 50 Hz / see graphs
	Power loss	3.4W	At 230V, Refer to Table 1 for details
	Protection class	I	Suitable for class I/II luminaire
output	Current Selection	200mA	Pin1-OFF, Pin2-OFF
		250mA	Pin1-ON, Pin2-OFF
		300mA	Pin1-OFF, Pin2-ON
		350mA	Pin1-ON, Pin2-ON
	Maximum voltage	< 250	w/ Open Circuit
	Nominal current range	200/250/300/350mA	
	Current accuracy	±5%	
	Current ripple 100Hz	< 10%	
	Nominal power range	5-20W	Partial Load. Refer to Table 1 for details
	Maximum power	20W	
environmen	Galvanic isolation	Non-isolated	
	Output PSTLM	≤1	
	Output SVM	≤0.4	
	Ambient temperature range ta	-40 ...60°C	
	Maximum case temperature tc	85°C	Measured on tc point indicated of the product label
	Max. case temp. in fault condition	110°C	
	Storage temperature range	-40 ...85°C	
	Relative humidity	5%-95%	Not condensing
	Surge transient protection	1 2KV	L/N LN/PE acc to. EN 61547 Clause 5.7
	Environmental rating	Indoo	
	IP rating	IP20	
	Mains switching cycles	>50000	
	Expected lifetime	50000 100000	tcm _{ax} = 85°C, 10% failure rate tcm _{ax} = 65°C, 10% failure rate

Product datasheet

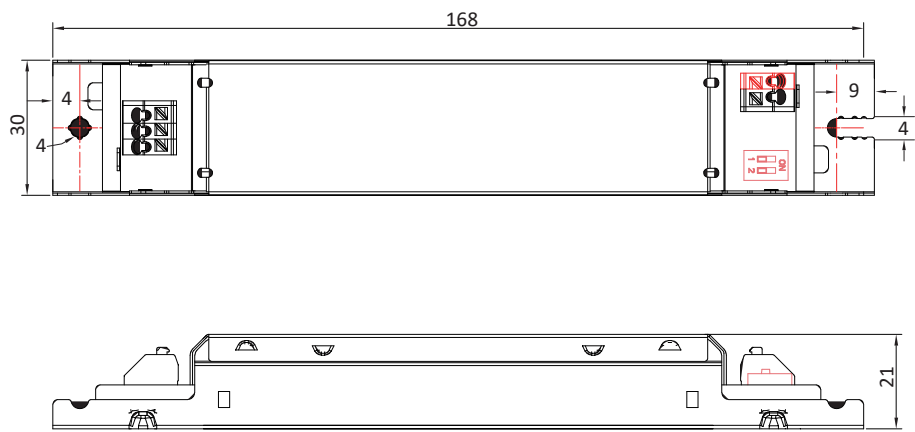
Typical Applications

Constant Current Driver



Appearance information

Product Size

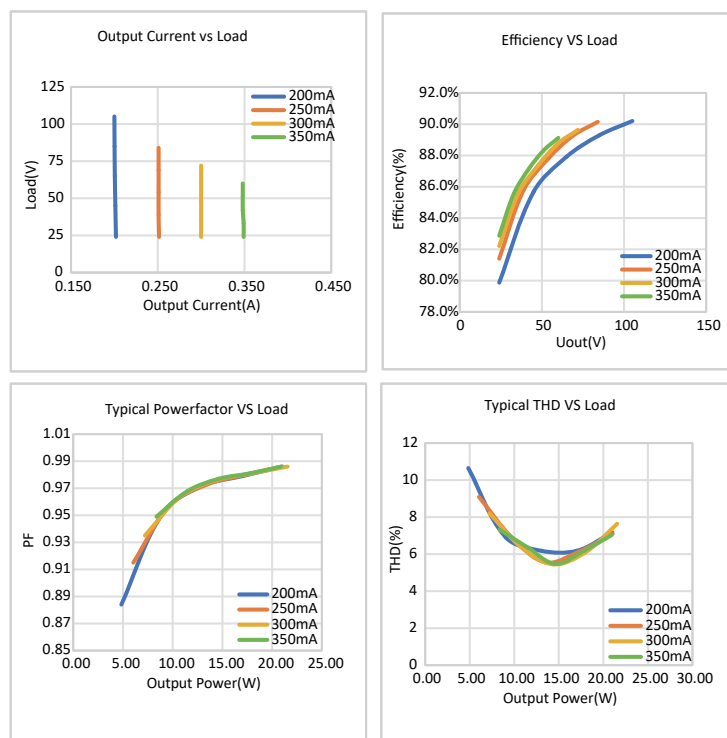


Note:

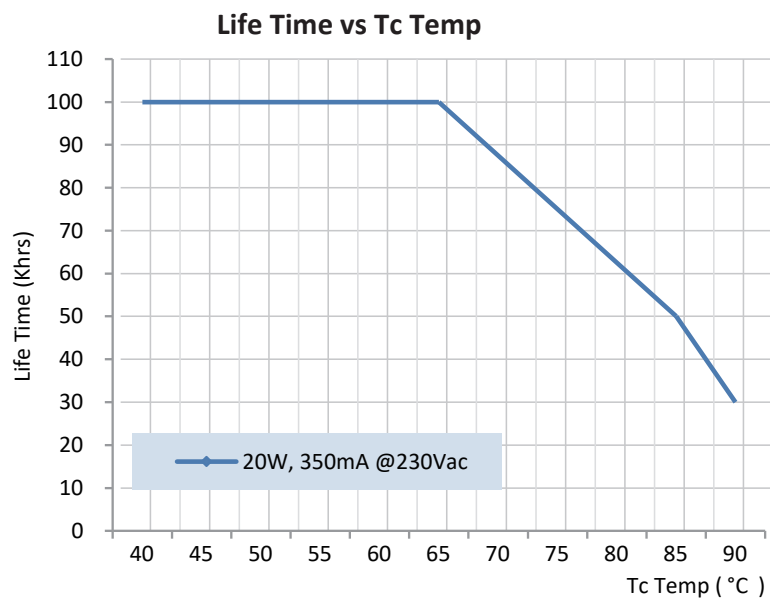
The independent LED drive conforms to the EMC standard. But it is not guaranteed to be qualified when the drive is mounted in the LED fixture
Please forgive us for any discrepancy due to the update of the specifications or the upgrade of the product. If you need the latest information, please contact our marketing department

Product datasheet

Characteristic Curve



Lifetime Curve



Installation

AC input wires cross section: 0.5~1.5mm²

DC output wires cross section: 0.75~1.5mm²

This product for indoor use only, it can be installed and fixed in the luminaires, connected with the wire. The length of output line should be less than 2m