

ALCC008 LED DRIVER SERIES

IP67 SMALL-SIZED CONSTANT CURRENT LED DRIVER

ALCC008-00xx-0xx-67

FEATURES

- IP67 Rated
- Current range from 150mA to 680mA
- Universal AC Input from 90 to 295Vac
- No load consumption <0,5W
- Suitable with sensors - Set up time <0.5s at 230V
- Meets application for ErP (EU) 2019/2020
- Protections: OCP and SCP
- Compliant with ErP EU_1194_2012, Stage 3 Directives for Energy Related Products
- Compatible with aLED LED Modules

APPLICATION

- Indoor and outdoor use



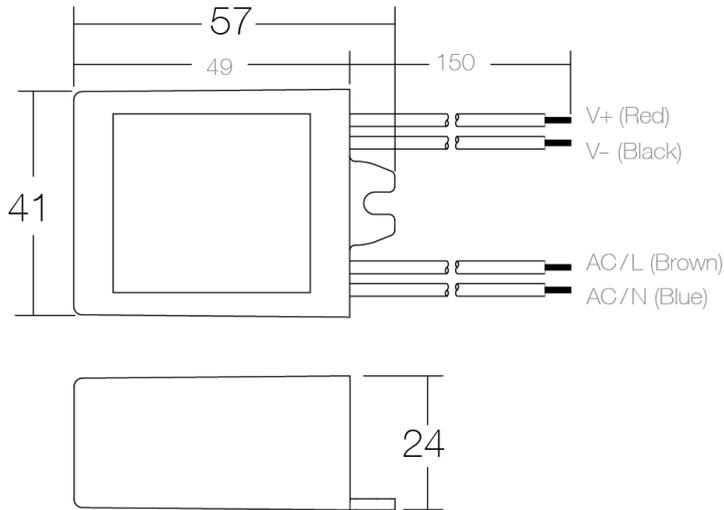
Technical Data

Product Code		ALCC008-0680-011-67	ALCC008-0500-014-67	ALCC008-0350-021-67	ALCC008-0300-024-67
Output	DC Voltage	11V	14.5V	21V	24V
	Voltage Range Note.4	2 ~ 11V	2 ~ 14.5V	2 ~ 21V	10 ~ 24V
	Rated Current	680mA	500mA	350mA	300mA
	Current Tolerance	±7%			
	Rated Power	7.4W	7.2W	7.3W	7.2W
	Efficiency at 240VAC (Typ.)	73%	75%	75%	75%
	Voltage Tolerance Note.3	±5%			
	Set up Time (Max)	< 0.5 Sec at 230VAC			
Product Code		ALCC008-0250-028-67	ALCC008-0200-038-67	ALCC008-0150-048-67	
Output	DC Voltage	28V	38V	48V	
	Voltage Range Note.4	14 ~ 28V	12 ~ 38V	18 ~ 48V	
	Rated Current	250mA	200mA	150mA	
	Current Tolerance	±7%			
	Rated Power	7W	7.6W	7.2W	
	Efficiency at 240VAC (Typ.)	78%	79%	80%	
	Voltage Tolerance Note.3	±5%			
	Set up Time (Max)	< 0.5 Sec at 230VAC			
Input	Voltage Range	90VAC ~ 295VAC			
	Rated Voltage	100 ~ 240VAC			
	Frequency Range	50 Hz ~ 60 Hz			
	Power Factor	> 0.5 at 230VAC			
	No Load Consumption	< 0.5W at 230VAC			
	Inrush Current (Typ.)	Cold Start 7A (Td=410us measured at 50% Ipeak) at 230VAC			
	Max. Number of PSUs on Circuit Breaker	B type : 25 units (10A) / 41 units (16A) / 64 units (25A), C type : 42 units (10A) / 68 units (16A) / 107 units (25A), D type : 137 units (16A) / 214 units (25A) at 230VAC			
	AC Current (Max.)	0.2A			
Protections	Over Current	Constant current mode protection			
	Short Circuit	Type: Hiccup mode & recovers after fault condition disappeared			
Environment	Operation Temp.	~20 ~ +50°C			
	Operation Humidity	20% ~ 90% RH non-condensing.			
	Storage Temp.	-40 ~ +80°C			
	Storage Humidity	10% ~ 95% RH			
	Vibration	10 ~ 500 Hz, 2G 10 min. / 1 cycle, period for 60 min. each along X, Y, Z axes.			

NOTES

1. All specifications not specially mentioned are measured at 230VAC and 25°C ambient temperature.
2. Ripple & Noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with 0.1uf & 47uf parallel capacitor.
3. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance
4. Constant current operation region is within 75%~100% rated output voltage. This is the suitable operation region for LED related applications, but please reconfirm special electrical requirements for some specific system design.

Dimensions



Length	57mm
Width	41mm
Height	24mm
Length of the wires	150mm
Weight	74g
Packing size	100pcs/Carton

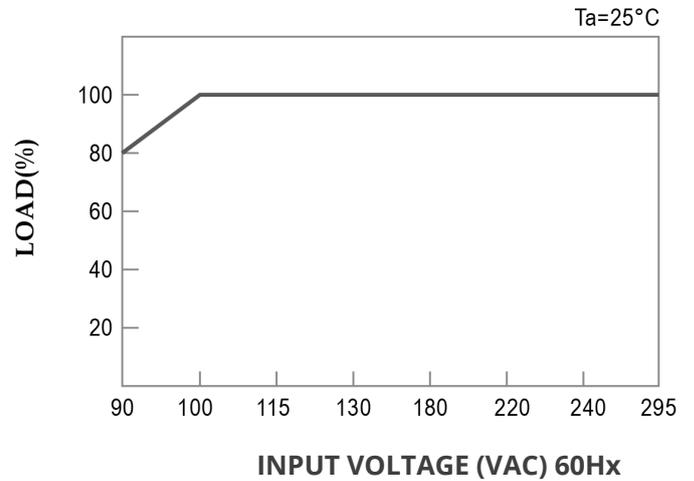
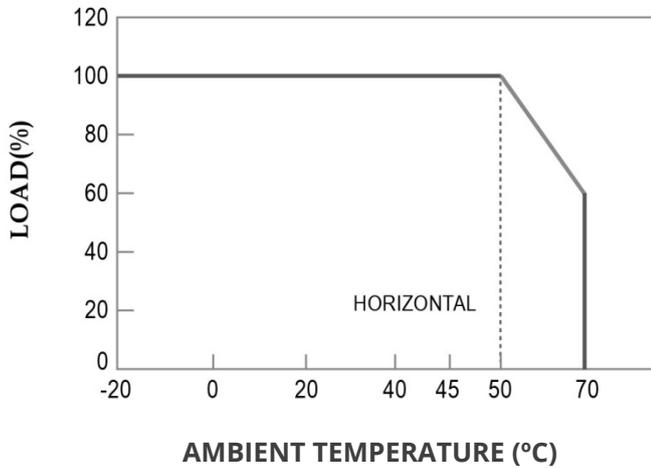
Safety

Safety Standards	Compliance EN61347-1, EN61347-2-13, IP67
Withstand Voltage	I/P-O/P: 3.75KVac
Isolation Resistance	I/P-O/P: 100M ohms / 500V DC at 25°C
EMI Conduction & Radiation	Compliance to EN55015, FCC part 15
Harmonic Current	Compliance to EN61000-3-2 Class C, EN61000-3-3
EMS Immunity	Compliance to EN61000-4 -2,3,4,5,6,8,11; EN61547

Warranty and Lifetime

Warranty	5 years
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Derating Curve



Safety Labels

aled LED Driver

tc: 85°C
ta: 50°C

V+(Red) O
V-(Black) O_{SEC}

ALCC008-00680-011-67
PRI: 100-240VAC 0.2A 50-60Hz
SEC: 680mA 2-11VDC 7.48W MAX
No Load Consumption <0.5W

CE SELV M M 110 AC L (Brown) AC N (Blue) PRI

LPS FC IP67

ARRANT-LIGHT OY WWW.LIGHT.FI MADE IN XXXXX

aled LED Driver

tc: 85°C
ta: 50°C

V+(Red) O
V-(Black) O_{SEC}

ALCC008-00500-014-67
PRI: 100-240VAC 0.2A 50-60Hz
SEC: 500mA 2-14.5VDC 7.25W MAX
No Load Consumption <0.5W

CE SELV M M 110 AC L (Brown) AC N (Blue) PRI

LPS FC IP67

ARRANT-LIGHT OY WWW.LIGHT.FI MADE IN XXXXX

aled LED Driver

tc: 85°C
ta: 50°C

V+(Red) O
V-(Black) O_{SEC}

ALCC008-00350-021-67
PRI: 100-240VAC 0.2A 50-60Hz
SEC: 350mA 2-21VDC 7.35W MAX
No Load Consumption <0.5W

CE SELV M M 110 AC L (Brown) AC N (Blue) PRI

LPS FC IP67

ARRANT-LIGHT OY WWW.LIGHT.FI MADE IN XXXXX

aled LED Driver

tc: 85°C
ta: 50°C

V+(Red) O
V-(Black) O_{SEC}

ALCC008-00300-024-67
PRI: 100-240VAC 0.2A 50-60Hz
SEC: 300mA 7-24VDC 7.2W MAX
No Load Consumption <0.5W

CE SELV M M 110 AC L (Brown) AC N (Blue) PRI

LPS FC IP67

ARRANT-LIGHT OY WWW.LIGHT.FI MADE IN XXXXX

aled LED Driver

tc: 85°C
ta: 50°C

V+(Red) O
V-(Black) O_{SEC}

ALCC008-00250-028-67
PRI: 100-240VAC 0.2A 50-60Hz
SEC: 250mA 10-28VDC 7W MAX
No Load Consumption <0.5W

CE SELV M M 110 AC L (Brown) AC N (Blue) PRI

LPS FC IP67

ARRANT-LIGHT OY WWW.LIGHT.FI MADE IN XXXXX

aled LED Driver

tc: 85°C
ta: 50°C

V+(Red) O
V-(Black) O_{SEC}

ALCC008-00200-038-67
PRI: 100-240VAC 0.2A 50-60Hz
SEC: 200mA 12-38VDC 7.6W MAX
No Load Consumption <0.5W

CE SELV M M 110 AC L (Brown) AC N (Blue) PRI

LPS FC IP67

ARRANT-LIGHT OY WWW.LIGHT.FI MADE IN XXXXX

aled LED Driver

tc: 85°C
ta: 50°C

V+(Red) O
V-(Black) O_{SEC}

ALCC008-00150-048-67
PRI: 100-240VAC 0.2A 50-60Hz
SEC: 150mA 18-48VDC 7.2W MAX
No Load Consumption <0.5W

CE SELV M M 110 AC L (Brown) AC N (Blue) PRI

LPS FC IP67

ARRANT-LIGHT OY WWW.LIGHT.FI MADE IN XXXXX