

Description

The L05016i LEDlight is a stabilized and adjustable current source supplying two output channels. Adjustments are easily made with a build-in single potentiometer. Channel one can drive from 250mA up to 1A max. Channel two can drive from 250mA to 500mA max. The Driver is dimmable with a standard 1-10V device, a potentiometer or with a pulse switch.

Input / Output

System Input Voltage Nominal	110-240Vac	Driver Efficiency	85%
System Input Voltage Range	110-240Vac	Power Factor	0,9C
System Input Frequency	50/60Hz	Nominal Line current	110V: 0,23A 240V: 0,11A
System Input Power	24W	Output Voltage ripple	
Output current channel one	250-1000mA stabilized adjustable current source.	Output power	240V: 20 Watt 110V: 15 Watt
Output current channel two	250-500mA stabilized adjustable current source.		
Operating Voltage Output	33Vdc max		

Approvals

	CE, KEMA KEUR, ENEC-05
Immunity	EN 61547
EMI/RFI	EN 55015 (Conducted disturbance) EN 61000-3-2 (Harmonics & crest limits)
Performance	EN 62384
Safety	EN 61347-2-13

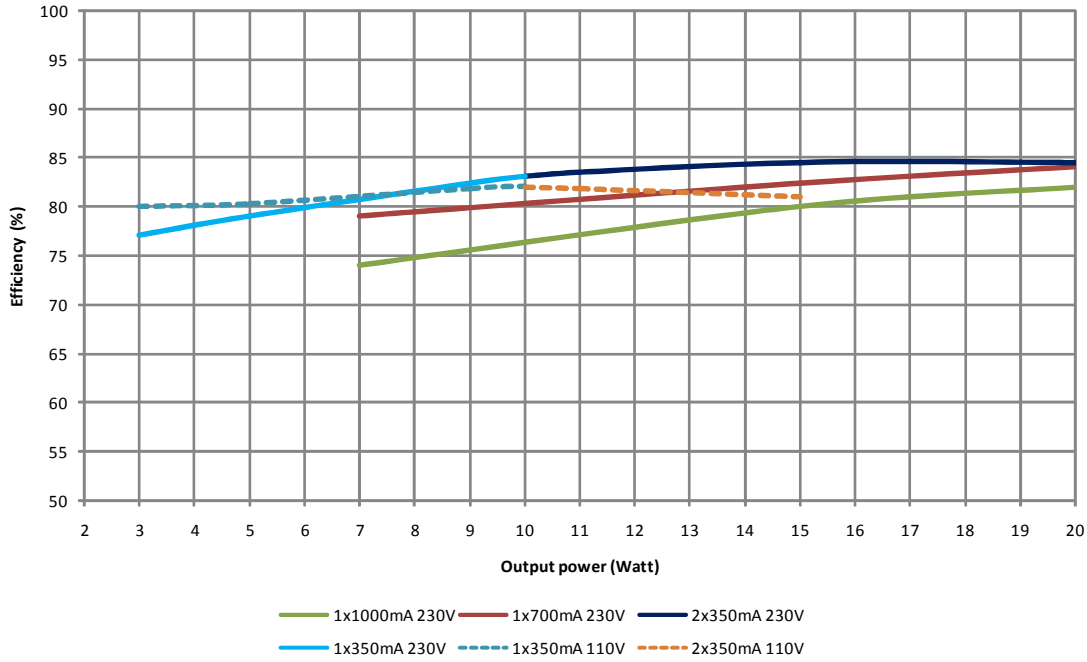
Load

LED type	Current (U_{nom} 230-240VAC)	Thermal protection	Yes, against overheating
Number of LED's at channel 1	1-9 U_i 3.2V Max.	Output current overshoot	No
Number of LED's at channel 2	1-9 U_i 3.2V Max.	Output Isolation	Yes SELV EQ.: Yes
Dimmer type	1-10V, potentiometer or pulse switch (SELV EQ.)	Noise Level	
Load Operating Frequency	PWM 230Hz.	Circuit Lifetime	
Open Circuit Voltage	33Vdc	Ambient Temperature range (T_a)	0 +50°C
Short circuit protection	Yes	Max. Case temperature (T_c)	<85°C
Open circuit protection	Yes	Storage Temperature range	-20 +50°C
Overvoltage protection	Yes	Failure Rate	Nihil
Load voltage Setting Time (>90%)	1 sec.	RohS compliant	Yes

Packaging

Potting	No	weight	100 gram
Leads Pri.	H05RN-F 1mm²	Case color	grey, blue
Leads Sec.	0.1mm² – 0.5mm²	Maximum case height	23.5mm
Lead Connection Method	Clamp	Maximum case width	52mm
Mounting Method	Screw	Maximum case length	111mm

Efficiency



Powerfactor

