

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

### Approvals

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

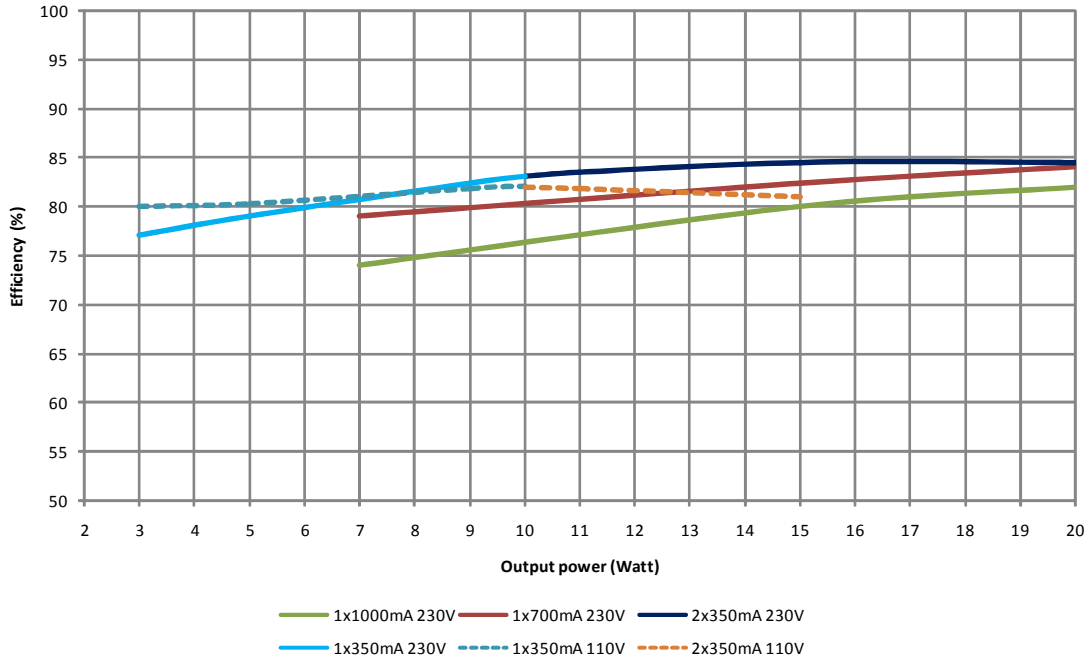
### Load

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

### Packaging

Potting	<b>No</b>	weight	<b>100 gram</b>
Leads Pri.	<b>H05RN-F 1mm<sup>2</sup></b>	Case color	<b>grey, blue</b>
Leads Sec.	<b>0.1mm<sup>2</sup> – 0.5mm<sup>2</sup></b>	Maximum case height	<b>23.5mm</b>
Lead Connection Method	<b>Clamp</b>	Maximum case width	<b>52mm</b>
Mounting Method	<b>Screw</b>	Maximum case length	<b>111mm</b>

### Efficiency



### Powerfactor

