

Description

The L05044 ECOLine LED Driver is a 40Watt LED driver with adjustable current setting from 300 mA to 1,4 A.

Input / Output

		230Vac	110Vac
System Input Voltage Nominal	110-240Vac	90% @ 25- 40W	89% @12- 32W
System Input Voltage Range	110-240Vac		
Freq.	50/60Hz		
Output current	300mA – 1,4Amp adjustable		
Operating Voltage	Depending on forward voltage of the LED, but 32V max. (min. 12V)		
Driver Efficiency		90% @ 25- 40W	89% @12- 32W
Power Factor		0.97	0,99
Nominal Line current		195mA	350mA
System Input Power		45VA (max.)	37VA (max.)
Output power		40 Watt (max.)	32 Watt (max.)
Output Voltage ripple		0.5V	

Approvals

	CE, according to 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
RoHS compliant	Yes

Load

Number of LED's at 3,1V FV	4 - 10	Thermal protection	Yes, against overheating
Number of LED's at 3,5V FV	4 - 9	Output current overshoot	No
Number of LED's at 4,0V FV	3 - 8	Output Isolation	Yes, SELV Equivalent
Dimmer type	Not dimmable	Noise Level	
Load Operating Frequency	n.a.	Circuit Lifetime	80.000 Hr at ta 50°C
Open Circuit Voltage	32Vdc	Ambient Temperature range (ta)	-25 to 60°C
Short circuit protection	Yes	Max. Case temperature (tc)	80°C
Open circuit protection	Yes	Storage Temperature range	-20 +50°C
Overvoltage protection	Yes	Failure Rate	negligible
Load voltage Setting Time (>90%)	1 sec.		

Mechanical

Potting	No	weight	160 gram
Leads Pri.	0.2 mm ² - 1,5 mm ²	Case colour	Grey
Leads Sec.	0.2 mm ² - 1,5 mm ²	Maximum case height	32 mm
Lead strip length Pri/Sec	9-10mm	Maximum case width	42 mm
Lead Connection Method Pri.	Clamp	Maximum case length	156 mm
Lead Connection Method Sec.	Clamp, or Lumoluce connector	Case Mounting Method	2x Screw, not supplied

Current Programming

R (Ω)	I out (mA)	R (Ω)	I out (mA)
∞	1400 -5% +2%	12k	700
90k	1200	4k5	500
33k	1000	1k2	350
		0	300

