

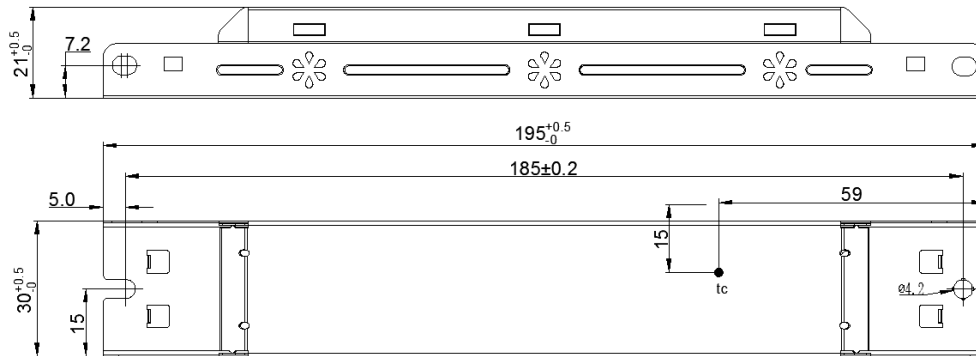
DRIVER DALI 37W/200-350mA IP20

Radium

Dimmable constant current LED driver for LED modules with DipSwitch adjustable operating current from 200 to 350mA and forward voltage from 46V to 185V. Flicker-free with high efficiency and long life of 100,000h. For AC operation at 220-240V 50-60Hz or DC operation at 180-264V DC. Dimmable via DALI or a push button (PUSH-DIM).



Drawing



Technical Data

General Data

Code	DRIVER DALI 37W/200-350mA IP20
Article No.	OTDA4439
EAN10	4003556012752
EAN40	4003556412750
Weight	140 g
Length	195 mm
Width	30 mm
Height	21 mm
Interface	DALI 2.0 (DT6)
Service Life @T _c 79°C	50.000 h
Service Life @T _c 74°C	70.000 h
Service Life @T _c 68°C	100.000 h
Guarantee	5 years

Operating Conditions

Permissible ambient temperature Ta	-30°C...+60°C
Permissible storage temperature	-30°C...+80°C
Permissible T _c temperature	-20°C...+90°C
Max. permissible T _c temperature	+90°C
Permissible air moisture	20-90%RH
Degree of protection (IP)	IP20
Protection class	I
Dimmable	yes

Electrical Parameter Output

Rated power	9,2 – 37 W
Permissible voltage [DC]	46 – 185 V
Output current	200; 250; 300; 350 mA
Output current tolerance [mA]	± 5 %
Output P _{ST_LM}	≤ 1
Output SVM	≤ 0,4
Offset time @AC 230V	<0,5 s

Information no. 9904-05-2308

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Kind of protection embodied	Short circuit proof, open circuit proof
Efficiency	≥90 %
Inrush current	250 V

Electrical Parameter Input

Mains voltage range [AC]	220 – 240 V
Alternating voltage range [AC]	198 – 264 V
Direct voltage range [DC]	180 – 264 V
Maximum input power	41,11 W
Mains frequency	0 / 50 / 60 Hz
Nominal current	0,23 A Max.
Mains power factor	≥0,95
THD	≤10 %
Inrush current	≤24A & 190μs @230 V _{ac} Max.
Power consumption in Stand-by	≤0.5 W
Surge voltage strength L-N	1,5 kV
Surge voltage strength L/N-PG	1,5 kV

Safety and electromagnetic compatibility

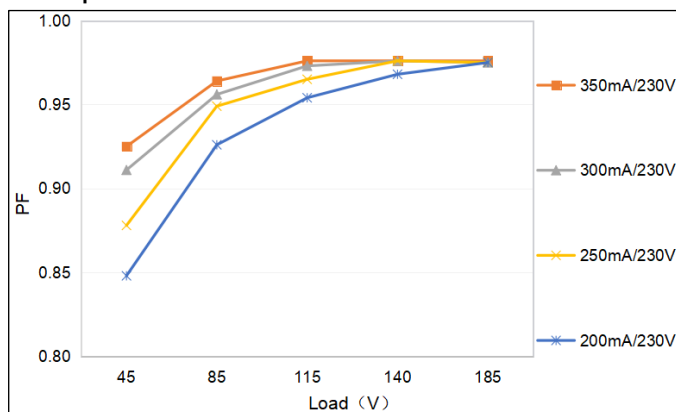
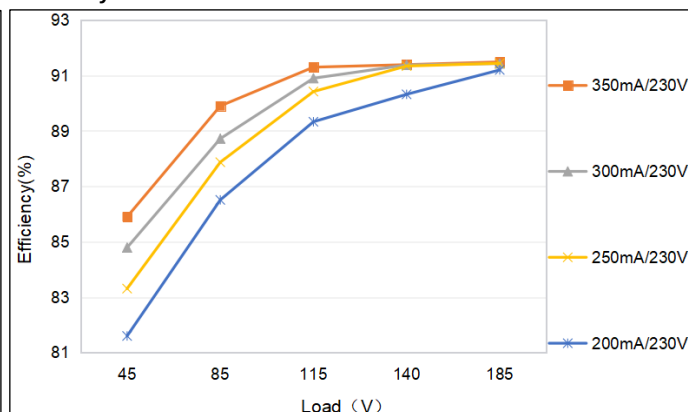
Certificates	ENEC, CE, EL, UKCA
Safety Standards	ENEC: EN61347-1: 2015, EN61347-2-13:2014/A1: 2017, EN62384 2016/A1: 2009 CE-LVD: EN61347-2-13: 2014/A1: 2017, EN61347-1: 2015, EN62493: 2015 UKCA: BS EN IEC 55015: 2019+A11: 2020, BS EN 61547: 2009, EL: IEC61347-2-13: 2014 Annex J
EMI	CE-EMC/RCM: EN55015, EN61000-3-2, EN61000-3-3
EMS	CE-EMC/RCM: EN61000-4-2, 3, 4, 5 (lightning strike L-N: 1kV, L/N-PG: 2kV), 6, 11
RoHS	RoHS 2.0 (EU) 2015/863
DALI Standard	IEC 62386- 101 102 207: DALI 2.0

Operating current table

Parameter			DIP-Switches	
Min. Voltage	Max. Voltage	Power	1	2
46V	185V	200mA	—	—
46V	185V	250mA	ON	—
46V	185V	300mA	—	ON
46V	185V	350mA	ON	ON

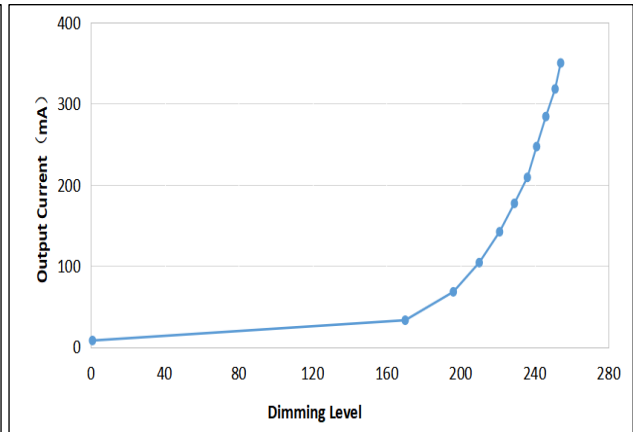
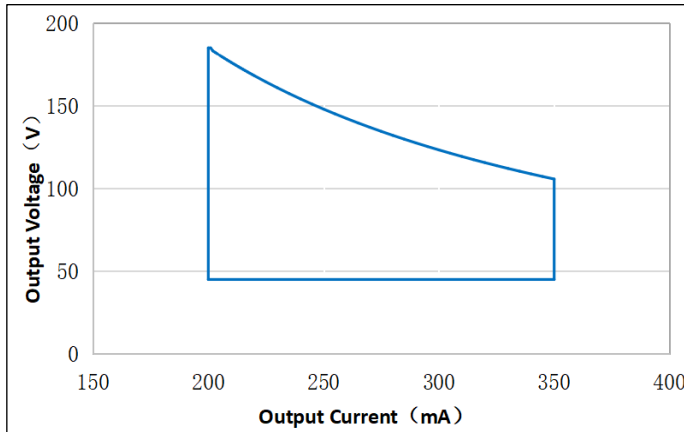
Fuse rating

Charakteristic	power	Max. no. of devices
B	10A	27
	16A	43
C	10A	46
	16A	63
I _{peak} / T _{width}	≤24A / 190uS	

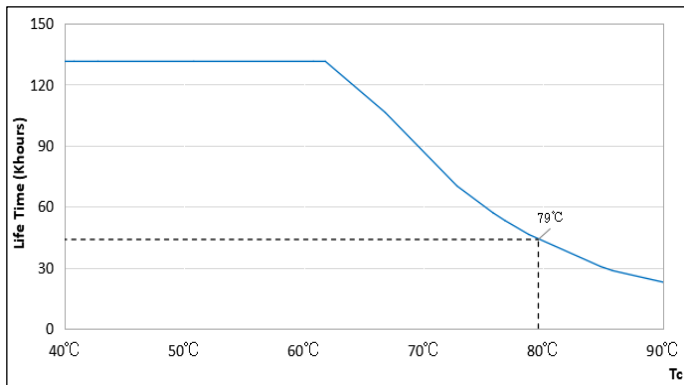
Electrotechnical Parameter**Mains power factor λ****Efficiency**

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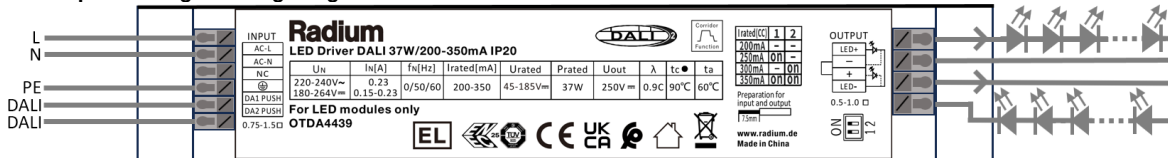


Service life

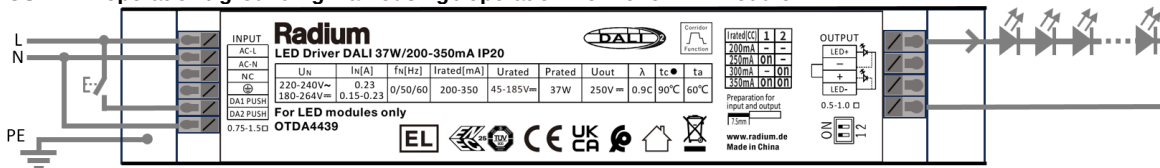


Wiring diagram

DALI operation / grounding via ground terminal / series connection of two LED modules



PUSH-DIM operation / grounding via housing / operation from one LED module



Notes

- DALI operation and PUSH DIM operation cannot be used simultaneously, otherwise the DALI control unit will be damaged.
- Use this product according to the specifications. Otherwise, malfunction may occur.
- Using LED modules that are not compatible with the LED driver may cause fire or other hazards.
- Unless otherwise specified, the power factor, harmonic and efficiency parameters have been tested at an ambient temperature of 25 °C, humidity of 50%, input voltage of 230 V AC (50 Hz) and under full load.
- Please note that other factors besides the driver also affect the EMC compatibility of the LED luminaire. The structure and wiring of the luminaire as well as the LED module used are also important. Therefore, it is recommended to confirm the EMC of the entire LED luminaire.
- Man-made damage, any out-of-specification use, and modifications not made by the manufacturer are not covered under warranty.
- It is recommended to install overvoltage and undervoltage protection devices in the luminaires' circuits to ensure safety before connecting to the mains.

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