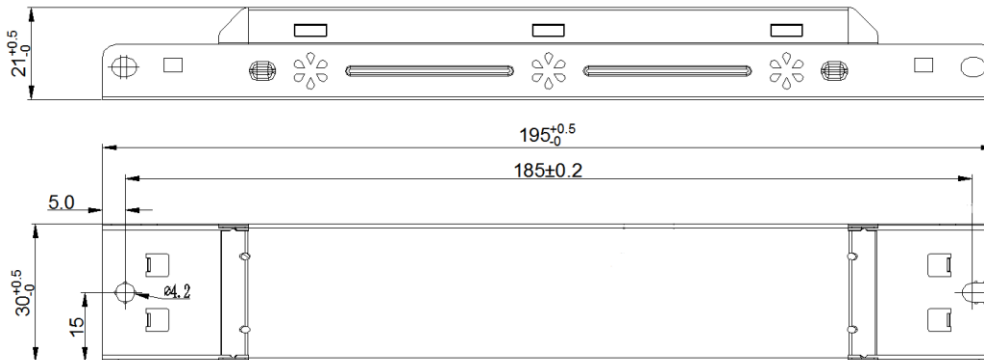


Constant current LED driver for LED modules with DipSwitch adjustable operating current from 200 to 350mA and forward voltage from 58V to 114V.
Flicker free with high efficiency and long lifetime of 70,000h @Tc 77°C.
For AC operation at 220-240V 50-60Hz or DC operation at 180-264V DC.



Drawing



Technical Data

General Data

Code	DRIVER 40W/200-350mA IP20
Article No.	OTNA4436
EAN10	4003556012721
EAN40	4003556412729
Weight	130 g
Length	195 mm
Width	30 mm
Height	21 mm
Service Life @T _c 82°C	50.000 h
Service Life @T _c 77°C	70.000 h
Service Life @T _c 72°C	100.000 h
Guarantee	5 years

Operating Conditions

Permissible ambient temperature Ta	-30°C...+50°C
Permissible storage temperature	-30°C...+85°C
Permissible Tc temperature	-20°C...+90°C
Max. permissible Tc temperature	+90°C
Permissible air moisture	10-95%RH
Degree of protection (IP)	IP20
Protection class	I
Dimmable	No

Electrical Parameter Output

Rated power	11,6 – 39,9 W
Permissible voltage [DC]	58 – 114 V
Output current	200; 250; 300; 350 mA
Output current tolerance [mA]	± 7 %
Output P_ST_LM	≤ 1
Output SVM	≤ 0,4
Offset time @AC 230V	<0,5 s

Information no. 9904-02-2308

Validity: The technical information sheets (TI sheets) are updated at irregular intervals! The user is responsible for the validity and up-to-dateness of this TI sheet. With the publication of this TI sheet, all previous editions for this lamp type lose their validity.

Kind of protection embodied	Short circuit proof, open circuit proof
Efficiency	≥90 % @ 300 & 350mA
Inrush current	250V

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	44,3 W
Mains frequency	0 Hz ; 50 – 60 Hz
Nominal current	0,3 A Max.
Mains power factor	≥0.9 @230 V _{ac}
THD	≤20 %
Inrush current	≤30A & 190μs @230 V _{ac} Max.
Power consumption in Stand-by	≤0.5 W
Surge voltage strength L-N	1 kV
Surge voltage strength L/N-PG	1,6 kV

Safety and electromagnetic compatibility

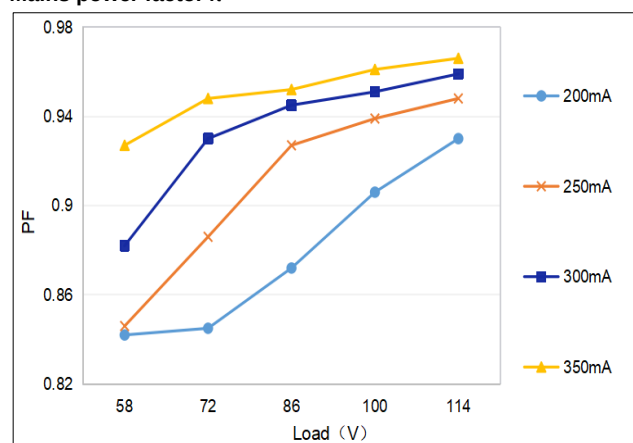
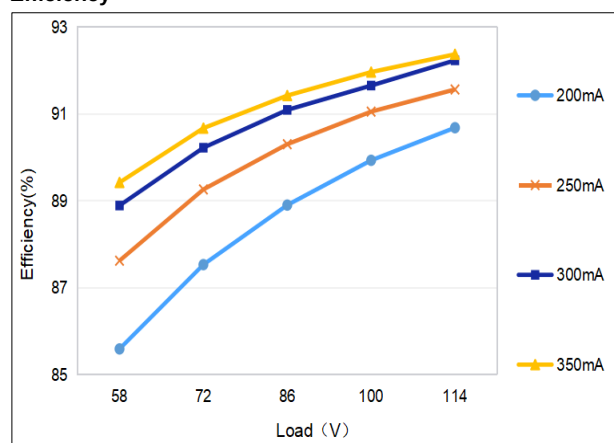
Certificates	ENEC, CE, EL, UKCA
Safety Standards	ENEC: EN 61347-2- 13:2014/A1:2017, EN 61347- 1:2015/A1:2021 EN IEC62384:2020 CE-LVD: EN 61347-2- 13:2014/A1:2017, EN 61347- 1:2015/A1:2021, EN 61347-2- 13 - J UKCA-LVD: EN 61347- 1:2015/A1:2021, EN 61347-2- 13:2014/A1:2017, EN 62493:2015
EMI	CE-EMC: EN55015, EN61000-3-2, EN61000-3-3, EN IEC 61347-2- 13 Annex J
EMS	CE-EMC/RCM: EN61000-4-2, 3, 4, 5 (lightning strike 1kV), 6, 11
RoHS	RoHS 2.0 (EU) 2015/863

Operating current table

Parameter			DIP-Switches	
Min. Voltage	Max. Voltage	Power	1	2
58 V	114 V	200 mA	—	—
58 V	114 V	250 mA	ON	—
58 V	114 V	300 mA	—	ON
58 V	114 V	350 mA	ON	ON

Fuse rating

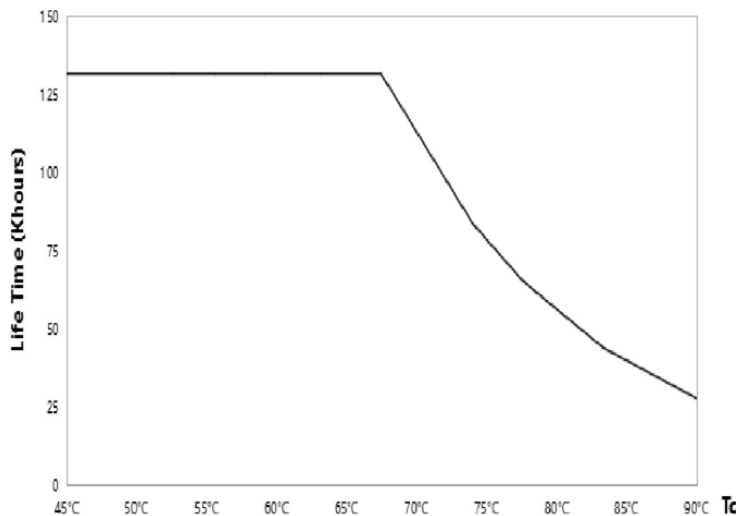
Charakteristic	power	Max. no. of devices
B	10 A	22
	16 A	35
C	10 A	22
	16 A	35
I _{peak} / T _{width}	≤30A / 190uS	

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

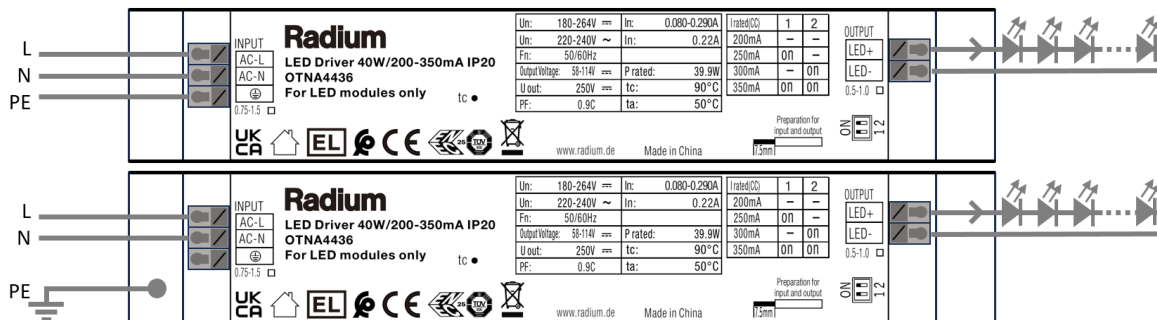
Information no. 9904-02-2308

Validity: The technical information sheets (TI sheets) are updated at irregular intervals! The user is responsible for the validity and up-to-dateness of this TI sheet. With the publication of this TI sheet, all previous editions for this lamp type lose their validity.

Service life



Wiring diagram



Notes

- Use this product according to the specifications. Failure to do so may result in malfunction.
- Using LED modules that are not compatible with the LED Driver may result in 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.

Information no. 9904-02-2308

Validity: The technical information sheets (TI sheets) are updated at irregular intervals! The user is responsible for the validity and up-to-dateness of this TI sheet. With the publication of this TI sheet, all previous editions for this lamp type lose their validity.