

Compact DALI Dimmable NFC Constant Current LED Driver



- DALI&PUSH dimmable
- Dimming range: 1% to 100%
- Output current tolerance: 5%
- Up to 81% efficiency
- Output voltage range: 9-42V
- Low THD<10%
- 5 years guarantee



- Advanced functions: EL, CorridorDIM, CLO
- DALI-2 part ext. 251, 252 and 253
- Output current and parameters adjustable via DALI programmer or NFC
- According to Zhaga Book13, 24
- Compact volume: compatible with 35mm hole
- Surge capability: PUSH: 1kV

- For spot light and downlight
- For office, commercial and retail lighting

- Output current 100-400mA
- Output power 3.6-13W
- Input voltage 198-264Vac
- Output voltage 9-42Vdc
- Efficiency 81%

Electrical data

Input data

Rated input voltage	220 ... 240V
AC voltage range	198 ... 264V
Mains frequency	0/50/60Hz
Input voltage DC	180 ... 264V
Power factor	≥0.94
Efficiency in max. power	≥81%
THD	<10% (typical value)
Input current	0.1A Max
Inrush current	14A ¹⁾
Loading number on circuit breaker 10 A (B)	53
Loading number on circuit breaker 10 A (C)	76
Loading number on circuit breaker 16 A (B)	85
Loading number on circuit breaker 16 A (C)	119
Protective conductor current	≤0.7mA
Stand-by power consumption	<0.5W

Output data

Nominal output voltage	9 ... 42V
Nominal output current	100 ... 400mA
Default output current	400mA
Current setting	NFC/Lifud programmer
Maximum output power	13W
Nominal output power	3.6 ... 13W
Output ripple current (100 Hz)	±3.3 %
Flicker	According to IEEE Std 1789-2015
CIE SVM	≤0.4
IEC-Pst	≤1
Output current tolerance	±5% ²⁾
Temperature tolerance	±10%
Start-up time	<1.5S

Safety

Withstanding voltage	I/P-O/P: 3.75kV&5mA&60S; I/P-DA1/DA2, O/P-DA1/DA2: 1.5kV&5mA&60S
Surge capability (L-N)	1kV
PUSH ³⁾	1kV
Insulation resistance	I/P-O/P, I/P-DA1/DA2, O/P-DA1/DA2: >100MΩ@500VDC
Guarantee	5 years ⁴⁾

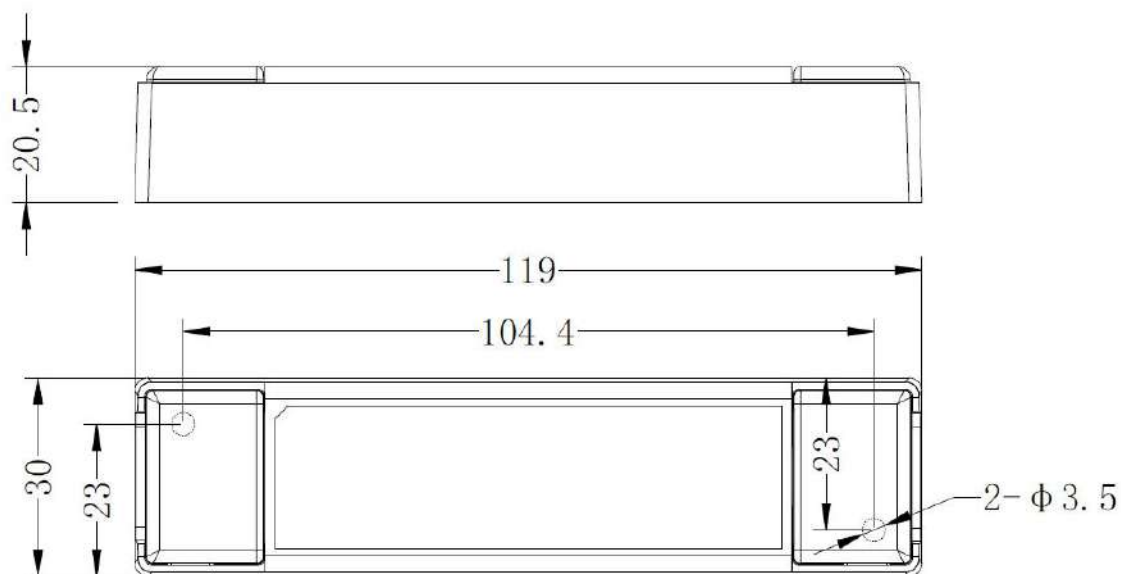
1) $t = 120\mu s$

2) When the output current is ≤250mA, it's ±7%

3) The surge test wiring at the PUSH terminal is connected in parallel with L-N

4) 5 years @Tc≤79°C

Dimensions



Mounting hole spacing, length	104.4mm
Product weight	67g
Cable cross-section, input side	0.75 ... 1.5 mm ²
Cable cross-section, output side	0.5 ... 1.5 mm ²
Cable outer diameter, input side	3...5mm
Cable outer diameter, output side	3...5mm
Wire preparation length, input side	7 ... 8mm
Wire preparation length, output side	7 ... 8mm
Length	119.0mm
Width	30.0mm
Height	20.5mm

Colors & materials

Casing material	PC
Casing color	White

Temperature & operating conditions

Ambient temperature range	-30°C - +45°C
Maximum temperature at tc test point	80°C
Temperature range at storage	-30°C - +80°C (6 months in Class I environment)
Humidity range at storage	20-75%RH (no condensation)
Humidity during operation	20-95%RH (no condensation)
Atmospheric pressure	80-106KPa
RoHS	RoHS 2.0 (EU) 2015/863