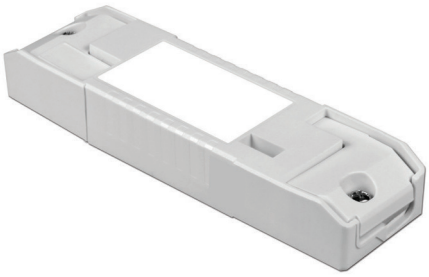
FLEXA
LIGHTING

AL4451DS

Made in Italy

DIM-TO-WARM



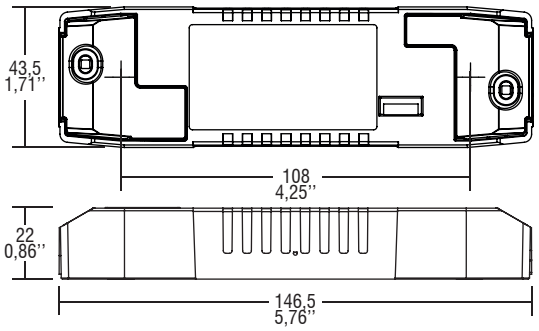
P out W	V out DC	I out DC	U out V	ta °C	tc °C	λ max. Power Factor	η max. Efficiency(1)
18	10...47	400mA cost.	59	-25...+40(2)/45	80	0,95(3)	> 90 %

(1) Referred to V_{in} = 230 V, 100% load - Riferito a V_{in} = 230 V, carico 100%

Light output level in DC operation: Factory default =100% EOFi=1

Livello di emissione luminosa in funzionamento DC: Impostazione di fabbrica =100% EOFi=1)

Weight - Peso gr. 113 / 4 oz.



Rated Voltage
Tensione Nominale
220 ÷ 240 V

Frequency
Frequenza
50-60 Hz

AC Operation range
Tensione di utilizzo AC
198 ÷ 264 V

DC Operation range
Tensione di utilizzo DC
176 ÷ 275 V

Power - Potenza
2,5 ÷ 26 W

iTHD
≤ 10% (1)

Stand by power
≤ 0,5 W

Output current ripple
≤ 3% (1)

Standards compliance
EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61347-1
EN 61347-2-13
EN 61547
EN 62386-101
EN 62386-102
EN 62386-207
EN 62386-251
EN 62386-252
EN 62386-253
VDE 0710-T14

In rush current
5A 50μsec

Features

- IP20 independent driver, for indoor.
- Class II protection against electric shock for direct or indirect contact.
- Active Power Factor Corrector.
- Current regulation ±5 % including temperature variations.
- Input and output terminal blocks on opposite sides (wire cross-section up to 1,5 mm²/ AWG15).
- Clamping screws on primary and secondary circuits for cables with diameter: min. 2 mm - max. 9 mm.
- Driver can be secured with slot for screws.
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.a.

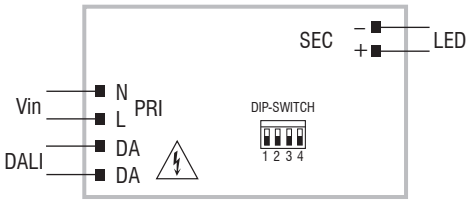
Caratteristiche

- Alimentatore indipendente IP20, per uso interno.
- Protetto in classe II contro le scosse elettriche per contatti diretti e indiretti.
- PFC attivo.
- Corrente regolata ±5 % incluse variazioni di temperatura.
- Morsetti di entrata e uscita contrapposti (sezione cavo fino a 1,5 mm² / AWG15).
- Serracavo su primario e secondario per cavi di diametro: min. 2 mm - max. 9 mm.
- Fissaggio dell'alimentatore tramite asole per viti.
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.a.

FLEXA
LIGHTING

AL4451DS

Wiring diagram - Schema di collegamento



DALI diagram
Collegamento DALI

Operation Mode

- Features DALI-2 dimming (0/1 - 100 %, minimum output current 7 mA):
  - memory function for sets or light groups;
  - recall of stored functions;
  - compatible with standard DALI interfaces.
- **Dimming method is AMPLITUDE.**
- Light regulation 0/1 - 100 % by means of PUSH SWITCH function (mains voltage):
  - a short push to turn on and off;
  - a longer push to increase or decrease light intensity;
  - regulation automatically stops at minimum and maximum values;
  - for another on, regulation or off command, release the push button and give the desired command again;
  - dimming level memory at mains restore.