

LED driver in corrente costante - Constant current LED drivers

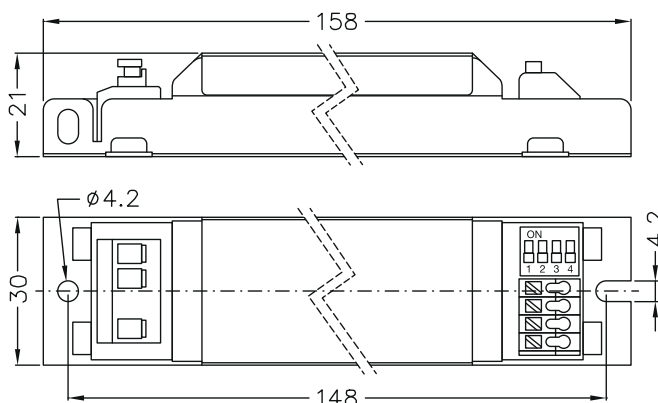
BK.BAN040.A0400AS



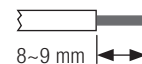
Dati tecnici / Technical data

Input voltage VAC/DC	Output power Max W	Output voltage VDC	Output current A	Dimension mm (LxWxH)
200-240	40	54-100/114	0.2-0.4	158x30x21

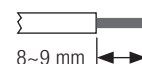
Disegno tecnico / Technical drawing



Cavo di ingresso - Input wire
0.75~1.5mm²



Cavo di uscita - Output wire
0.5~1.0mm²



Etichetta / Label

INPUT

- ACL/DC+
- ACN/DC-
- NC
- ⊕

wire prep.
0.75-1.5mm²
8-9mm

BOKE

Non-isolated Constant Current LED Driver
MODEL: BK-BAN040-A0400AS
INPUT: 200-240V ~ 0/50/60Hz 0.22A Max. λ: 0.95
OUTPUT: 54-100V --- 400mA 40W Max.
Other ratings see below sheet
BOKE Drivers Co.,Ltd.
www.bokedriver.com
MADE IN CHINA

Switching selection sheet

Input	Output	Switch
Po(W)	Po(W)	Io(mA)
24.75	22.8	200
30.63	28.5	250
36.57	34.2	300
42.57	39.9	350
42.80	40.0	400

Before use, always check dipswitch settings!

tc:90°C
ta:60°C

wire prep.
0.5-1.0mm²
8-9mm

OUTPUT

150VDC Max.

LED+ ○

LED- ○

LED+ ○

LED- ○

ON

1 2 3 4

150VDC Max.

LED+ ○

LED- ○

LED+ ○

LED- ○

FLICKER FREE

25

CE

UK CA

EL

RoHS

Technical data

Product model	BK.BAN040.A0400AS
Output parameters	
Regulation method	Constant Current
Rated output current range	0.2-0.4A
Rated output voltage range	54 - 100/114VDC
Rated output power	40W Max
Output current adjustment	DIP S.W(5 levels)
Output current ripple LF	±2%
Output current accuracy	±5%
Linear regulation	±3%
Load regulation	±3%
No load output voltage	150VDC
Flicker-free(typical)	Flickering percent(IEEE 1789)=0.494%, Flicker index(IEEE 1789)=0.001, Pst LM = 0.000, SVM = 0.003, (The above parameters are obtained from testing the panel lights)

Input parameters

Rated input voltage range	200-240VAC 200-240VDC
Input voltage range	180-264VAC 180-264VDC
Input votage shock	<380 V AC
Input current	<0.22A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF	PF>0.95 (230V AC & Full load),DF>0.97 (230V AC & Full load)
Input THD	10% (230V AC & Full load)
Efficiency(typical)	92.5% (230V AC & Full load)
In-rush current	16.5A peak ,236us duration(50 % Ipeak), see the description below for details
Start/Switchover/Turn off	<0.5s(AC start),<0.5s(DC start),<0.3s(AC/DC switchover),<0.5s(Turn off)
Switching cycles	> 50,000 switching cycles
Power consumption	Full load(Pin):42.8W, No load(Pno): N/A, On stand-by(Psb) : N/A, Network stand-by(Pnet) : N/A

Safety

Withstand voltage	I/P-FG:1750VAC
Mains surge capability	L-N:2.5KV,L-FG/N-FG:2.5KV(Performance criterion:A)
Isolation resistance	I/P-FG:100MΩ/500Vdc/25°/70% RH

Control interface

DALI dimming port	N/A
pushDIM dimming port	N/A
1-10V 3in1 dimming port	N/A
Auxiliary power supply	N/A
Dimming range	N/A
Dimming drive mode	N/A

Emergency support

Central emergency system	Supported(100% output in DC input)
Self-contained emergency	Supported

Environment & Life time

Operating temperature	Ta=-20-60°
Case temperature	Tc=90°
Operating humidity	5-85% RH, not condensed
Storage temp./humidity	-40-80°, 5-85% RH, not condensed
IP grade	IP20
MTBF	500,000H,MIL-HDBK-217F(25°)
Life-time	Nominal life-time up to 100,000 h, see the description below for details
Vibration resistant	10~500Hz,5G 12min./1cycle,period for 72min. each along X,Y,Z axes
Acoustic Noise	<25dB(30cm, Normal operation)
Environmental protection	RoHS

Certifications and standards

Certified	CE, ENEC, UKCA, RCM, EL
Safety	EN61347-1, EN61347-2-13, EN62384
EMC	EN55015, EN61000-3-2 , EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547
DALI-2	N/A
EL	Compatible IEC 61347-2- 13 Annex J , compatible with EN 60598-2-22 and EN 50172
RF	N/A

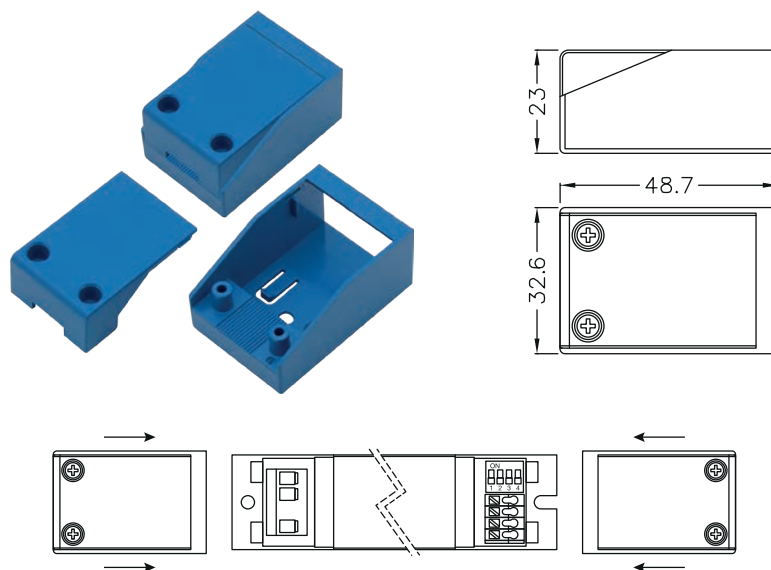
Nota / Note

Per impostazione predefinita, tutti i parametri sono misurati a 230VAC ingresso, pieno carico e 25° della temperatura ambiente.

By default, all parameter are measured at 230VAC input, full load and 25° of ambient temperature.

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Accessori / Accessories



Modelli serie BAN / BAN series models

Model	Input voltage VAC/DC	Output power Max W	Output voltage VDC	Output current A	Dimension mm (LxWxH)	Certifications
BK.BAN022.A0400AS	200-240	22.8	39-57/63/72	0.2-0.4	158x30x21	CE, ENEC, UKCA, RCM, EL
BK.BAN022.A0400AR	200-240	22.8	39-57/63/72	0.2-0.4	158x30x21	CE, ENEC, UKCA, RCM, EL
BK.BAN040.A0400AS	200-240	40	54-100/114	0.2-0.4	158x30x21	CE, ENEC, UKCA, RCM, EL
BK.BAN040.A0400AR	200-240	40	54-100/114	0.2-0.4	158x30x21	CE, ENEC, UKCA, RCM, EL
BK.BAN060.A0400AS	200-240	60	100-150/170/200	0.2-0.4	195x30x21	CE, ENEC, UKCA, RCM, EL
BK.BAN060.A0400AR	200-240	60	100-150/170/200	0.2-0.4	195x30x21	CE, ENEC, UKCA, RCM, EL
BK.BAN075.A0400AS	200-240	75.2	100-188/200	0.2-0.4	245x30x21	CE, ENEC, UKCA, RCM, EL
BK.BAN075.A0400AR	200-240	75.2	100-188/200	0.2-0.4	245x30x21	CE, ENEC, UKCA, RCM, EL
BK.BAN100.A0600AS	200-240	99	100-165/188/200	0.3-0.6	285x30x21	CE, ENEC, UKCA, RCM, EL
BK.BAN100.A0600AR	200-240	99	100-165/188/200	0.3-0.6	285x30x21	CE, ENEC, UKCA, RCM, EL
BK.BAN100.A0800BS	200-240	100	80-125/140/165/170	0.5-0.8	285x30x21	CE, ENEC, UKCA, RCM, EL
BK.BAN100.A0800BR	200-240	100	80-125/140/165/170	0.5-0.8	285x30x21	CE, ENEC, UKCA, RCM, EL
BK.BAN150.A1000AS	200-240	150.1	54-150/158/166/176/187/200/230/240	0.35-1	355x36x23	CE, ENEC, UKCA, RCM, EL
BK.BAN150.A1000AR	200-240	150.1	54-150/158/166/176/187/200/230/240	0.35-1	355x36x23	CE, ENEC, UKCA, RCM, EL