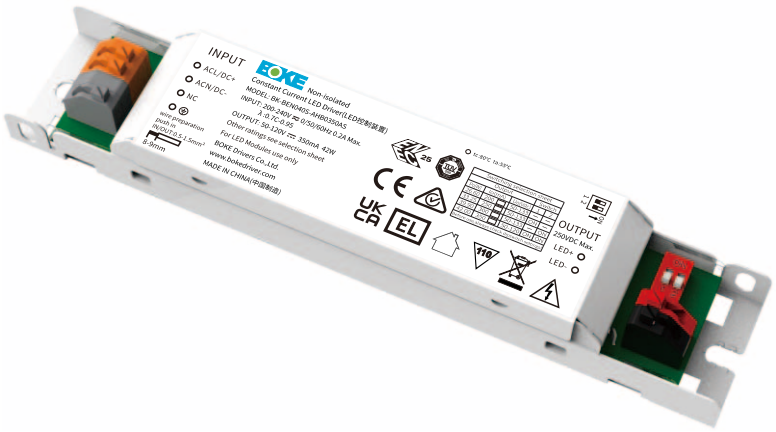
Non-isolated constant current linear driver

BEN(S) Series suffix S



Features

- Input and output non-isolated
- Multi-level current output can be realized by DIP-switch
- Output flick-free, meets the new requirements of ErP certification
- High PF, high efficiency, low THD
- Dual-stage circuit design, work stable
- Withstand 380VAC high voltage short-time shock
- Suitable for built-in use of Class I lamps
- Compliance with CE,ENEC,UKCA,RCM,CCC,EL and other certifications
- IP20 protection grade, indoor use
- Nominal life-time up to 100,000 h
- 5.5-year guarantee

Functions

- DIP switch to switch output current
- Support central emergency application (100% output in DC input)
- Support self-contained emergency application
- Protective features (short-circuit, no-load, overload, over temperature protection)

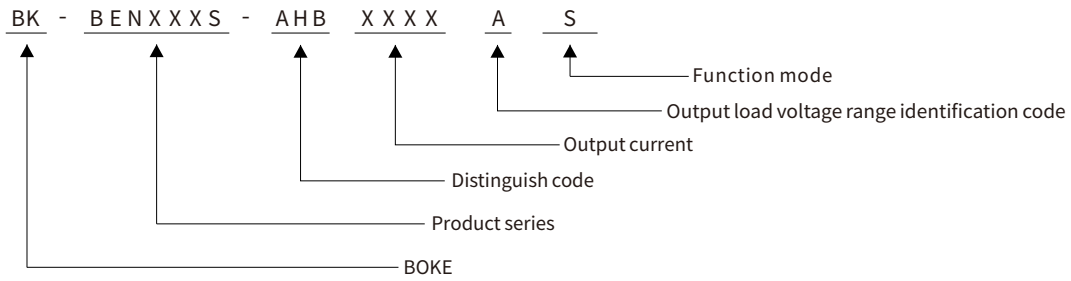
Suitable for lights

- Suitable for lights with built-in drivers such as tri-proof lights.

Typical applications

- LED indoor lighting
- LED office lighting
- LED commercial lighting

Model coding rules of BEN series



Function list

Model	Suffix	Function
BK-BEN022S-AHB BK-BEN040S-AHB BK-BEN060S-AHB BK-BEN080S-AHB	S	DIP switch
	SC	DIP switch+CCT switch

*The description in this specification is only applicable to the products with the suffix S and the model are BEN022S-AHB, BEN040S-AHB,BEN060S-AHB,BEN080S-AHB.

Model list

Model	Input voltage	Output power	Output voltage	Output current	Dimension
BK-BEN022S-AHB0350AS	200-240VAC/DC	22.05W MAX.	25-72VDC	0.2-0.35A	L158*W30*H21mm
BK-BEN022S-AHB0350ASC	200-240VAC/DC	22.05W MAX.	25-72VDC	0.2-0.35A	L158*W30*H22.5mm
BK-BEN040S-AHB0350AS	200-240VAC/DC	42W MAX.	50-133VDC	0.2-0.35A	L158*W30*H21mm
BK-BEN040S-AHB0350ASC	200-240VAC/DC	42W MAX.	50-133VDC	0.2-0.35A	L158*W30*H22.5mm
BK-BEN060S-AHB0350AS	200-240VAC/DC	61.25W MAX.	50-200VDC	0.2-0.35A	L158*W30*H21mm
BK-BEN060S-AHB0350ASC	200-240VAC/DC	61.25W MAX.	50-200VDC	0.2-0.35A	L158*W30*H22.5mm
BK-BEN080S-AHB0550AS	200-240VAC/DC	84W MAX.	50-240VDC	0.2-0.55A	L210*W30*H21mm
BK-BEN080S-AHB0550ASC	200-240VAC/DC	84W MAX.	50-240VDC	0.2-0.55A	L210*W30*H22.5mm

*The description in this specification is only applicable to the products with the suffix S and the model are BEN022S-AHB,BEN040S-AHB, BEN060S-AHB,BEN080S-AHB.

Technical data

Product model	BK-BEN022S-AHB0350AS
Output parameters	
Regulation method	Constant Current
Rated output current range	0.2-0.35A,see the the DIP-switch for details
Rated output voltage range	25-72VDC,see the the DIP-switch for details
Rated output power	22.05W Max,see the the DIP-switch for details
Output current adjustment	DIP S.W(4 levels)
Output current ripple(typ.)	±11%(67kHz)
Output current accuracy	±5%
Linear regulation	±5%
Load regulation	±5%
No load output voltage	250VDC
Flicker-free(typ.)	Flickering percent(IEEE 1789)=0.175%(100Hz), Flicker index(IEEE 1789)=0.001(100Hz), Pst LM = 0.005, SVM = 0.005, (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	<0.12A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF(typ.)	PF: 0.95,DF:0.96 , see the electrical values below for details
Input THD(typ.)	12% , see the electrical values below for details
Efficiency(typ.)	89.5% , see the electrical values below for details
In-rush current(typ.)	9.7A peak ,205us 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	> 100,000 switching cycles
Power consumption(typ.)	Full load(Pin):24.6W, 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:2KV,L-FG/N-FG:2KV(90°/270°, 5 times each with an interval of 60s)(Performance criterion:A)
Leakage current(typ.)	0.54mA
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/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
Self-contained emergency	Supported
Environment & Life time	
Operating temperature	Ta=-20-50°C
Case temperature	Tc=75°C
Operating humidity	5-85% RH, non-condensing
Storage temp./humidity	-40-80°C, 5-85% RH, non-condensing
IP grade	IP20
MTBF	500,000H,MIL-HDBK-217F(25°C)
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	
Compliance certification	CE, ENEC, UKCA, RCM, CCC, EL
Safety	GB/T 19510.1, GB/T 19510.213, EN61347-1, EN61347-2-13, EN62384
EMC	GB/T 17743 , GB17625.1, 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

Remarks

1.By default, all parameter are measured at 230VAC input, 50Hz, full load and 25°C of ambient temperature.

Technical data

Product model	BK-BEN040S-AHB0350AS
Output parameters	
Regulation method	Constant Current
Rated output current range	0.2-0.35A,see the the DIP-switch for details
Rated output voltage range	50-133VDC,see the the DIP-switch for details
Rated output power	42W Max,see the the DIP-switch for details
Output current adjustment	DIP S.W(4 levels)
Output current ripple(typ.)	±4%(61kHz)
Output current accuracy	±5%
Linear regulation	±5%
Load regulation	±5%
No load output voltage	250VDC
Flicker-free(typ.)	Flickering percent(IEEE 1789)=0.746%(100Hz), Flicker index(IEEE 1789)=0.001(100Hz), Pst LM = 0.005, SVM = 0.017, (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	<0.2A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF(typ.)	PF: 0.97,DF:0.97 , see the electrical values below for details
Input THD(typ.)	9% , see the electrical values below for details
Efficiency(typ.)	94% , see the electrical values below for details
In-rush current(typ.)	12.48A peak ,218us 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	> 100,000 switching cycles
Power consumption(typ.)	Full load(Pin):44.7W, 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:2KV,L-FG/N-FG:2KV(90°/270°, 5 times each with an interval of 60s)(Performance criterion:A)
Leakage current(typ.)	0.47mA
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/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
Self-contained emergency	Supported
Environment & Life time	
Operating temperature	Ta=-20-55°C
Case temperature	Tc=80°C
Operating humidity	5-85% RH, non-condensing
Storage temp./humidity	-40-80°C, 5-85% RH, non-condensing
IP grade	IP20
MTBF	500,000H,MIL-HDBK-217F(25°C)
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	
Compliance certification	CE, ENEC, UKCA, RCM, CCC, EL
Safety	GB/T 19510.1, GB/T 19510.213, EN61347-1, EN61347-2-13, EN62384
EMC	GB/T 17743 , GB17625.1, 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

Remarks

1.By default, all parameter are measured at 230VAC input, 50Hz, full load and 25°C of ambient temperature.

Technical data

Product model	BK-BEN060S-AHB0350AS
Output parameters	
Regulation method	Constant Current
Rated output current range	0.2-0.35A,see the the DIP-switch for details
Rated output voltage range	50-200VDC,see the the DIP-switch for details
Rated output power	61.25W Max,see the the DIP-switch for details
Output current adjustment	DIP S.W(4 levels)
Output current ripple(typ.)	±4%(73.5kHz)
Output current accuracy	±5%
Linear regulation	±5%
Load regulation	±5%
No load output voltage	250VDC
Flicker-free(typ.)	Flickering percent(IEEE 1789)=1.144%(100Hz), Flicker index(IEEE 1789)=0.001(100Hz), Pst LM = 0.007, SVM = 0.031, (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	<0.28A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF(typ.)	PF: 0.97,DF:0.98 , see the electrical values below for details
Input THD(typ.)	9% , see the electrical values below for details
Efficiency(typ.)	94% , see the electrical values below for details
In-rush current(typ.)	19.23A peak ,240us 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	> 100,000 switching cycles
Power consumption(typ.)	Full load(Pin):65.2W, 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:2KV,L-FG/N-FG:2KV(90°/270°, 5 times each with an interval of 60s)(Performance criterion:A)
Leakage current(typ.)	0.5mA
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/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
Self-contained emergency	Supported
Environment & Life time	
Operating temperature	Ta=-20-55°C
Case temperature	Tc=85°C
Operating humidity	5-85% RH, non-condensing
Storage temp./humidity	-40-80°C, 5-85% RH, non-condensing
IP grade	IP20
MTBF	500,000H,MIL-HDBK-217F(25°C)
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	
Compliance certification	CE, ENEC, UKCA, RCM, CCC, EL
Safety	GB/T 19510.1, GB/T 19510.213, EN61347-1, EN61347-2-13, EN62384
EMC	GB/T 17743 , GB17625.1, 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

Remarks

1.By default, all parameter are measured at 230VAC input, 50Hz, full load and 25°C of ambient temperature.

Technical data

Product model	BK-BEN080S-AHB0550AS
Output parameters	
Regulation method	Constant Current
Rated output current range	0.2-0.55A,see the the DIP-switch for details
Rated output voltage range	50-240VDC,see the the DIP-switch for details
Rated output power	84W Max,see the the DIP-switch for details
Output current adjustment	DIP S.W(8 levels)
Output current ripple(typ.)	±4%(61kHz)
Output current accuracy	±5%
Linear regulation	±5%
Load regulation	±5%
No load output voltage	300VDC
Flicker-free(typ.)	Flickering percent(IEEE 1789)=0.721%(100Hz), Flicker index(IEEE 1789)=0.002(100Hz), Pst LM = 0.006, SVM = 0.006, (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	<0.453A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF(typ.)	PF: 0.98,DF:0.98 , see the electrical values below for details
Input THD(typ.)	7% , see the electrical values below for details
Efficiency(typ.)	94.5% , see the electrical values below for details
In-rush current(typ.)	22.31A peak ,248us 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	> 100,000 switching cycles
Power consumption(typ.)	Full load(Pin):88.9W, 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:2KV,L-FG/N-FG:2KV(90°/270°, 5 times each with an interval of 60s)(Performance criterion:A)
Leakage current(typ.)	0.81mA
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/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
Self-contained emergency	Supported
Environment & Life time	
Operating temperature	Ta=-20-55°C
Case temperature	Tc=85°C
Operating humidity	5-85% RH, non-condensing
Storage temp./humidity	-40-80°C, 5-85% RH, non-condensing
IP grade	IP20
MTBF	500,000H,MIL-HDBK-217F(25°C)
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	
Compliance certification	CE, ENEC, UKCA, RCM, CCC, EL
Safety	GB/T 19510.1, GB/T 19510.213, EN61347-1, EN61347-2-13, EN62384
EMC	GB/T 17743 , GB17625.1, 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

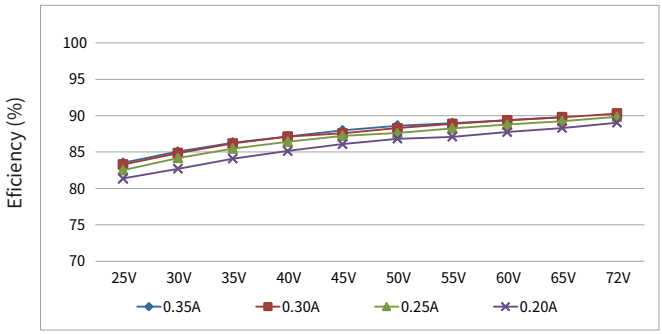
Remarks

1.By default, all parameter are measured at 230VAC input, 50Hz, full load and 25°C of ambient temperature.

Electrical values

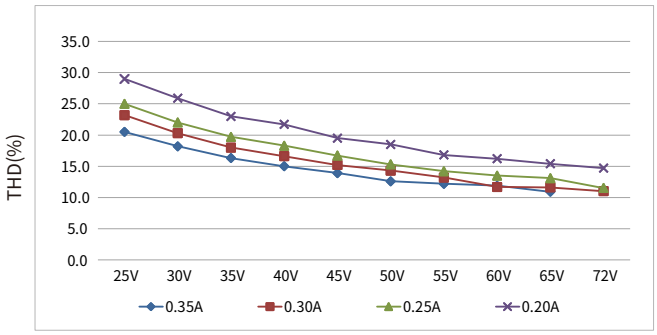
BK-BEN022S-AHB

Efficiency vs voltage



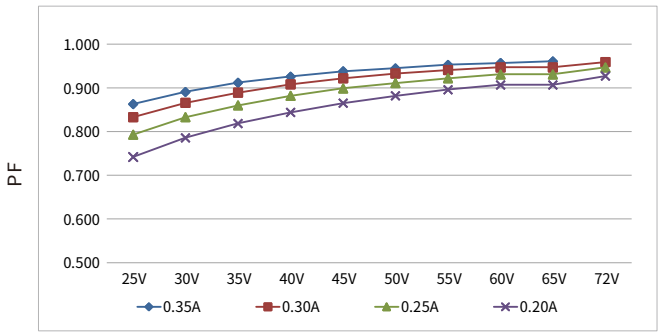
voltage(V)

THD vs. voltage



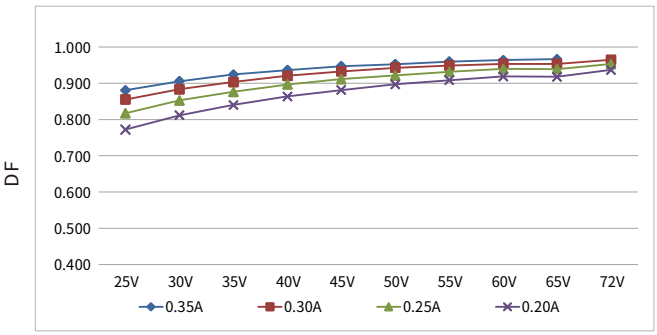
voltage(V)

Power factor vs. voltage



voltage(V)

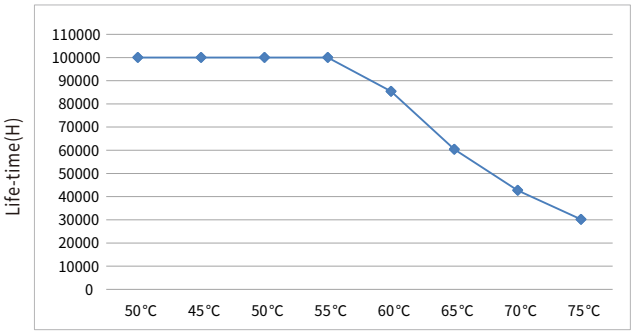
Displacement factor vs. voltage



voltage(V)

Expected life-time

Life-time vs. case temperature



Case temperature(Tc)

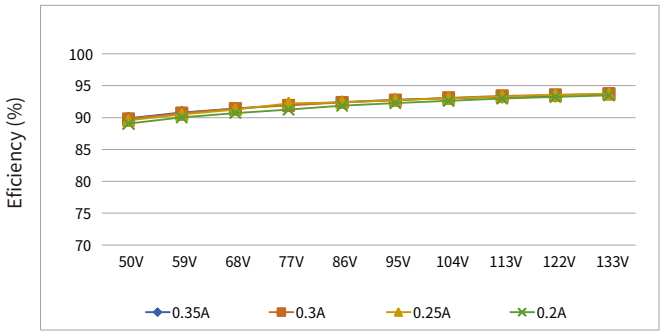
-The life-time of the LED driver is shown in the figure above (calculated based on the 90% survival rate).

- The relation of tc to ta temperature depends also on the luminaire design.

Electrical values

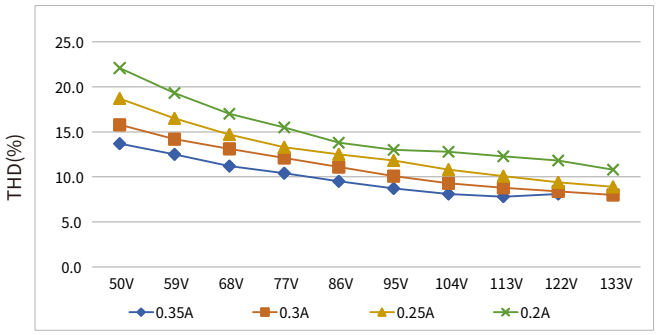
BK-BEN040S-AHB

Efficiency vs voltage



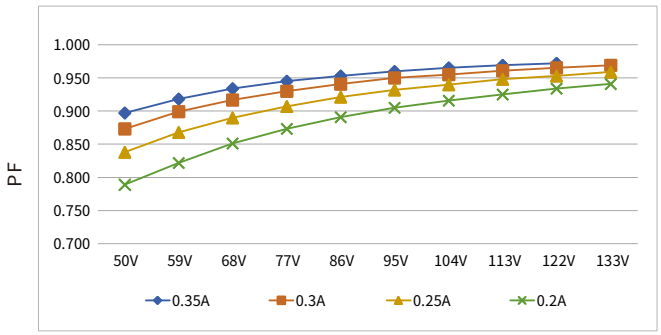
voltage(V)

THD vs. voltage



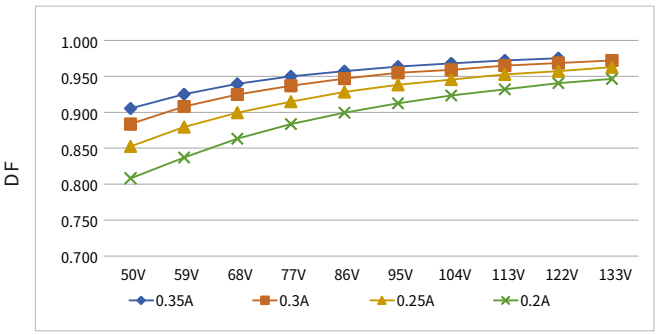
voltage(V)

Power factor vs. voltage



voltage(V)

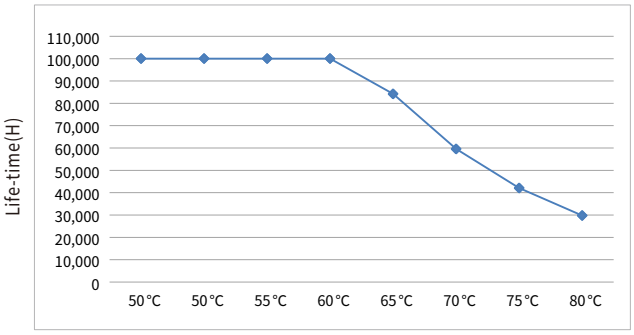
Displacement factor vs. voltage



voltage(V)

Expected life-time

Life-time vs. case temperature



Case temperature(Tc)

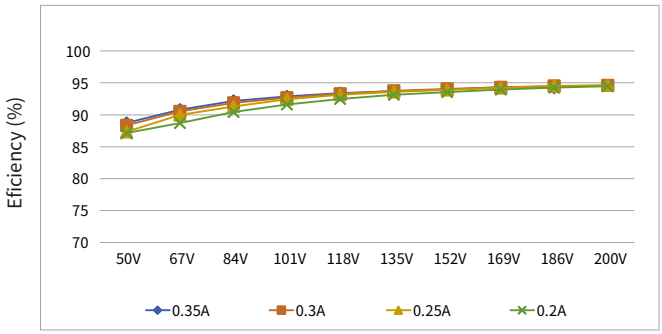
-The life-time of the LED driver is shown in the figure above (calculated based on the 90% survival rate).

- The relation of tc to ta temperature depends also on the luminaire design.

Electrical values

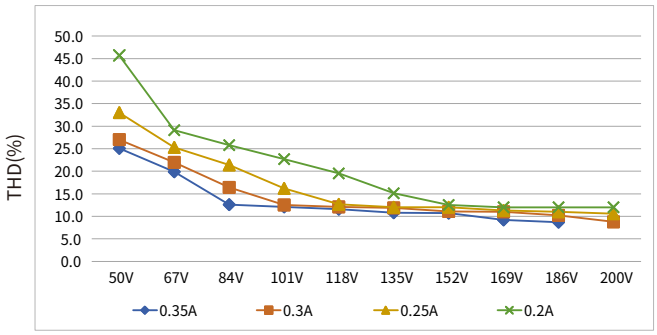
BK-BEN060S-AHB

Efficiency vs voltage



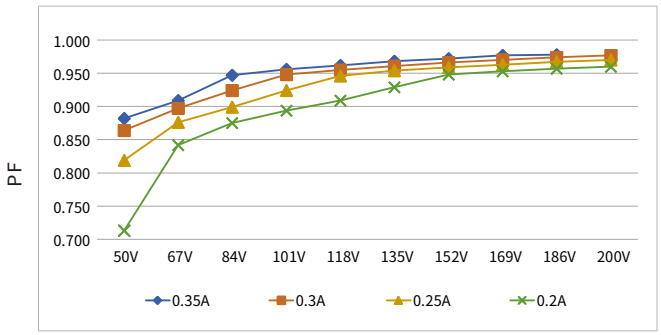
voltage(V)

THD vs. voltage



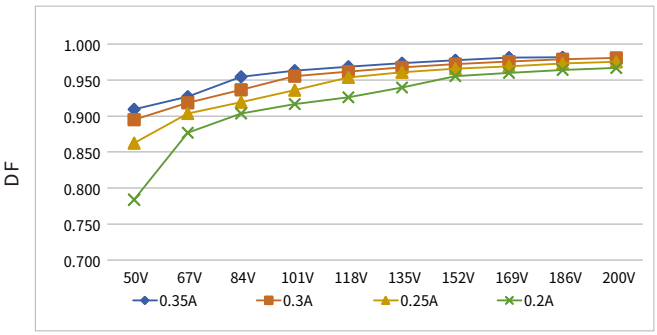
voltage(V)

Power factor vs. voltage



voltage(V)

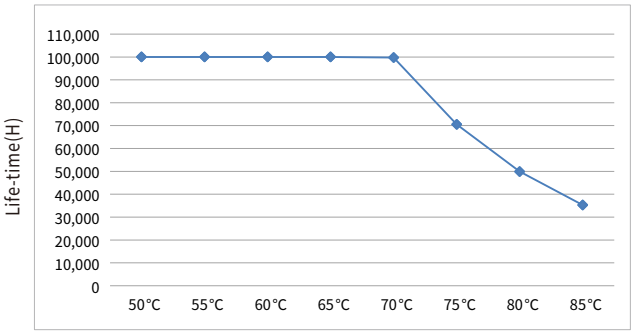
Displacement factor vs. voltage



voltage(V)

Expected life-time

Life-time vs. case temperature



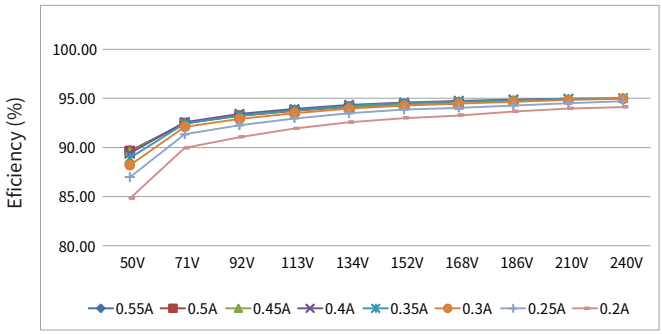
Case temperature(Tc)

-The life-time of the LED driver is shown in the figure above
(calculated based on the 90% survival rate).
- The relation of tc to ta temperature depends also on the luminaire design.

Electrical values

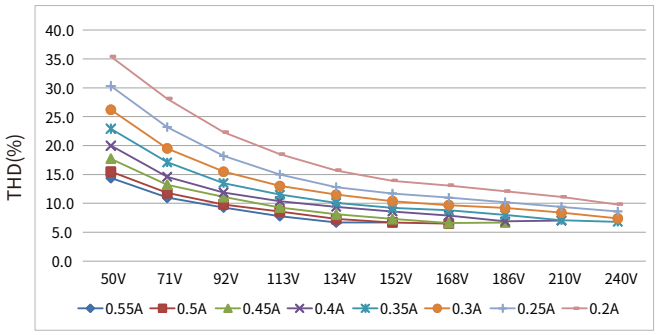
BK-BEN080S-AHB

Efficiency vs voltage



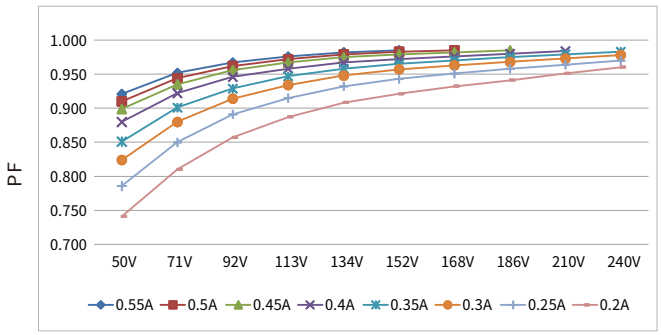
voltage(V)

THD vs. voltage



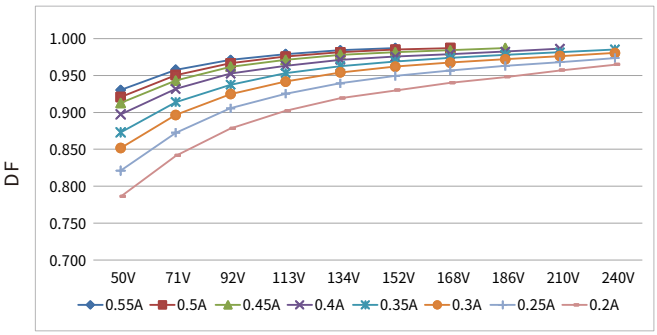
voltage(V)

Power factor vs. voltage



voltage(V)

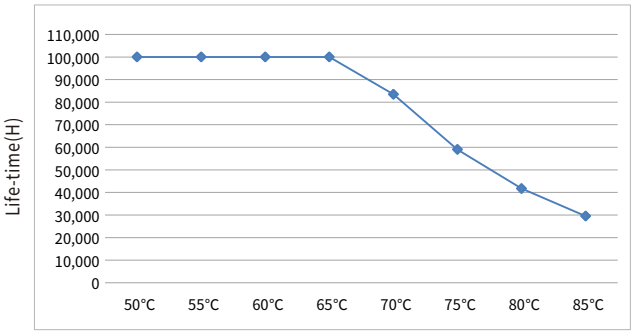
Displacement factor vs. voltage



voltage(V)

Expected life-time

Life-time vs. case temperature



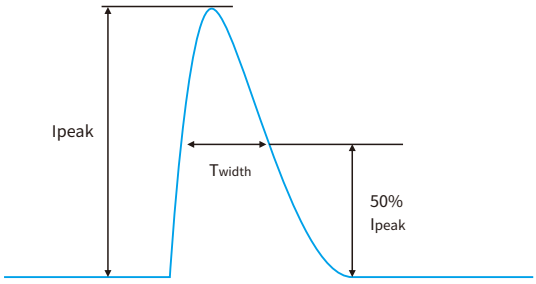
Case temperature(Tc)

-The life-time of the LED driver is shown in the figure above (calculated based on the 90% survival rate).

- The relation of tc to ta temperature depends also on the luminaire design.

Surge

Model	Ipeak	Twidth	Condition	Relative number of MCB														Unit:pcs
				B10	B13	B16	B20	B25	C10	C13	C16	C20	C25	D10	D13	D16	D20	D25
BK-BEN022S-AHB	9.7A	205us	AC 230V,Full load, Cold start,Ta≤30°C, MCB is not installed side by side	36	47	57	72	90	60	78	96	120	149	72	93	115	143	179
BK-BEN040S-AHB	12.48A	218us		18	23	28	35	44	30	38	47	59	74	39	51	63	79	99
BK-BEN060S-AHB	19.23A	240us		15	19	24	30	37	25	32	40	50	62	27	36	44	55	68
BK-BEN080S-AHB	22.31A	248us		13	17	20	26	32	20	26	32	40	50	20	26	32	40	50



Remarks

- The number of drives mounted under different MCBs in the table is the maximum value. Please do not exceed this number during installation.
- Calculation uses typical values from ABB series S200 as a reference.
- Different brands and models of miniature circuit breakers, the number of drives mounted will be slightly different.
- If the ambient temperature of the MCB installation exceeds 30°C or multiple MCBs are installed side by side, the number of drives mounted will be reduced and the calculation needs to be recalculated.
- Electrician's usually consider Type B for household lighting and Type C for commercial lighting application.

Functions

Output short-circuit behaviour

- Output short-circuit will not damage the driver. After removing the short circuit fault, the driver will automatically resume output.

Output no-load operation

- Output no-load will not damage the driver. Please turn off the driver first if you need to connect the LED load.

Output overload protection

- The LED driver turns off the output if the output voltage range is exceeded. The output will be activated again after restart the LED driver .

Ouput over temperature

- When the operating temperature exceeds the over temperature protection point inside the power supply IC, the power supply enters protection state such as output derating,output hiccup or output shutdown. After the external temperature is normal, restart and resume operation.

Driver restart method

- Through the AC input:disconnect the AC of the driver and power it again.

Insulation between circuits

Isolation	Input	Output	Case
Input	-	-	Basic
Output	-	-	Basic
Case	Basic	Basic	-

DIP-switch & output current

BK-BEN022S-AHB

Output			1	2
Prated(W)	Irated(mA)	Voltage(Vdc)		
14.40	200	25-72	--	--
18.00	250	25-72	ON	--
21.60	300	25-72	--	ON
22.05	350 ★	25-63	ON	ON

BK-BEN040S-AHB

Output			1	2
Prated(W)	Irated(mA)	Voltage(Vdc)		
26.60	200	50-133	--	--
33.25	250	50-133	ON	--
39.90	300	50-133	--	ON
42.00	350 ★	50-120	ON	ON

BK-BEN060S-AHB

Output			1	2
Prated(W)	Irated(mA)	Voltage(Vdc)		
40.00	200	50-200	--	--
50.00	250	50-200	ON	--
60.00	300	50-200	--	ON
61.25	350 ★	50-175	ON	ON

BK-BEN080S-AHB

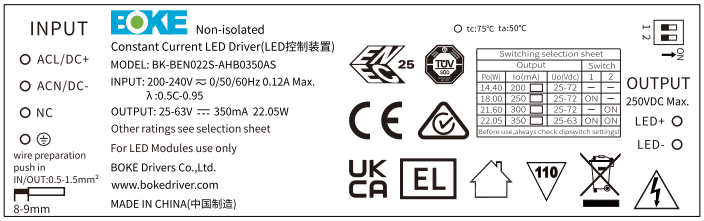
Output			1	2	3
Prated(W)	Irated(mA)	Voltage(Vdc)			
48.00	200	50-240	--	--	--
60.00	250	50-240	ON	--	--
72.00	300	50-240	--	ON	--
84.00	350	50-240	ON	ON	--
84.00	400	50-210	--	--	ON
83.70	450	50-186	ON	--	ON
84.00	500	50-168	--	ON	ON
83.60	550 ★	50-152	ON	ON	ON

Remarks:

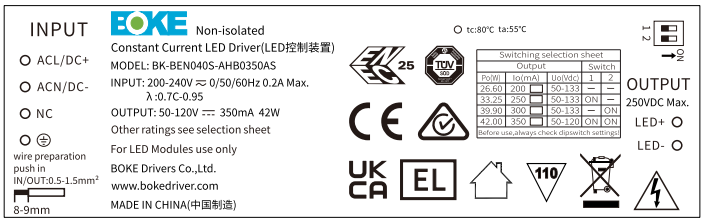
1. ★ It means that this item is the factory default current.
2. -- It means that this channel is OFF.
3. When power on is NOT allowed. Pleased is connect the AC power before DIP.

Label

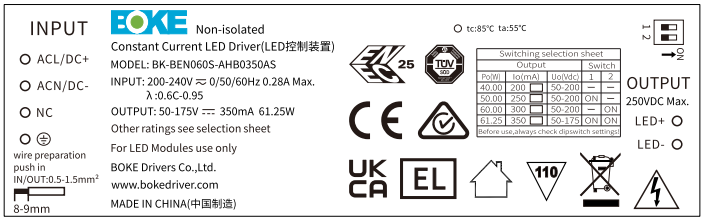
BEN022S-AHB0350AS



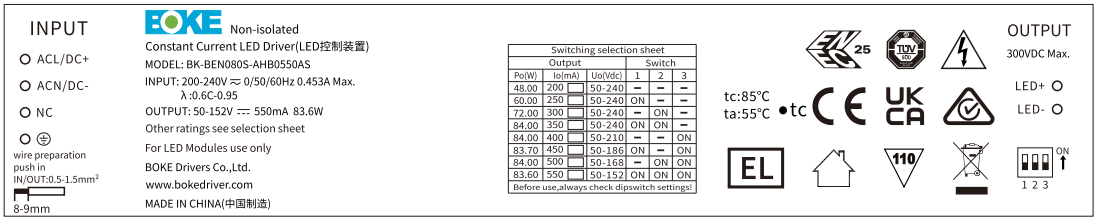
BEN040S-AHB0350AS



BEN060S-AHB0350AS



BEN080S-AHB0550AS

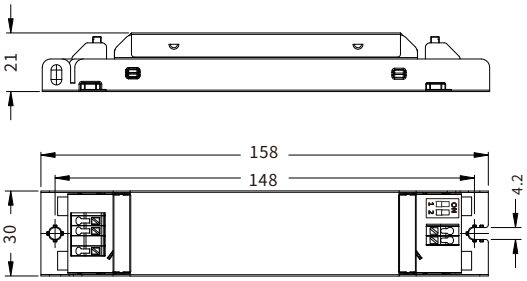


Mechanical Specification

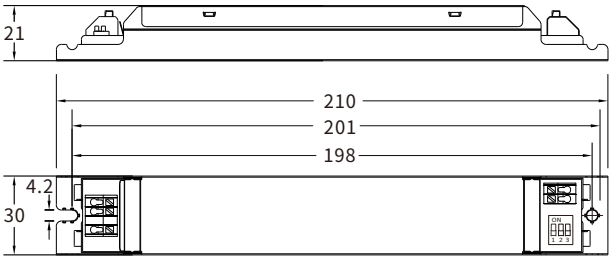
Size

Unit:mm

BEN022S-AHB/BEN040S-AHB/BEN060S-AHB



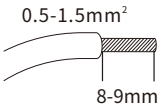
BEN080S-AHB



INPUT

Numbering	function	colour
1	ACL/DC+	orange
2	ACN/DC-	orange
3	NC	grey
4	FG	grey

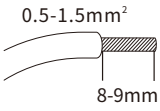
Input wire



OUTPUT

Numbering	function	colour
1	LED+	red
2	LED-	black

Output wire



Installation note

Hot plug-in

- Hot plug-in is not supported due to residual output voltage of > 0 V.

Installation requirements

- The driver should be installed in a dry, acid-free, oil-free, fat-free environment.
- The installation ambient temperature of the driver shall not exceed the value of Ta at any time.
- The temperature of the mounting surface of the driver should be lower than the temperature of Ta.
- The driver should keep a certain distance from the heating stuff (such as the lamp radiator).

Wiring guidelines

- All connections must be kept as short as possible to ensure good EMI behaviour.
- Mains leads should be kept apart from LED Driver and other leads (ideally 5-10 cm distance).
- Max. lenght of output wires is 2m.
- Incorrect wiring can damage LED modules.

Replace LED module

1. Mains off
2. Wait more than 5 seconds
3. Remove LED module
4. Connect LED module again

Packaging

Product

Packaging

20pcs×3boxes=60pcs/CTN
20pcs×4boxes=80pcs/CTN

Model	Product size	Weight	Packaging size	Carton size	Qty/carton	N.W	G.W
BEN022S-AHB	L158*W30*H21mm	85g	L175*W214*H78mm	L335*W230*H195mm	80pcs	6.80KG	8.12KG
BEN040S-AHB	L158*W30*H21mm	94g	L175*W214*H78mm	L335*W230*H195mm	80pcs	7.52KG	8.85KG
BEN060S-AHB	L158*W30*H21mm	97g	L175*W214*H78mm	L335*W230*H195mm	80pcs	7.76KG	9.09KG
BEN080S-AHB	L210*W30*H21mm	148g	L230*W213*H78mm	L255*W250*H240mm	60pcs	8.88KG	9.99KG

Additional information

1. The life and MTBF of the product are for reference only, and do not represent a warranty statement.
2. For more information, please send an email to info@bokedriver.com.