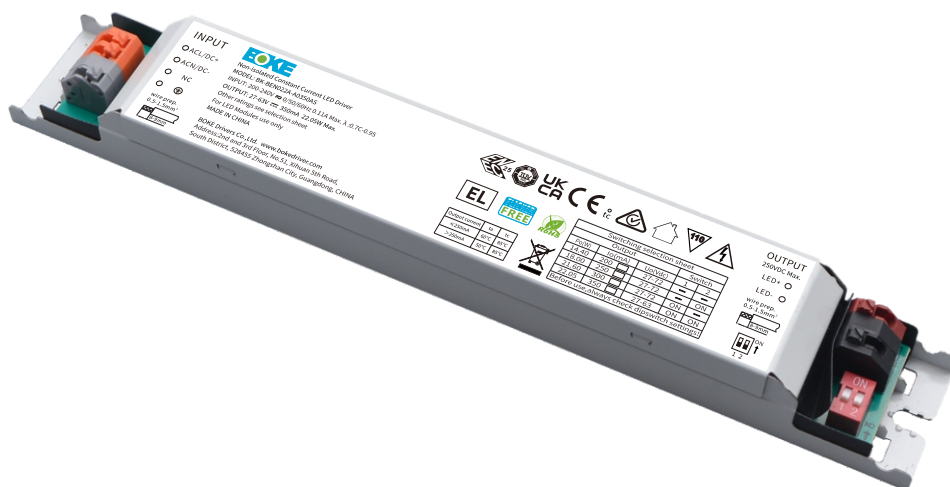


Non-isolated constant current linear driver
BEN Series suffix S



Features

- Input and output non-isolated
- 4/8/10-level current output can be realized by DIP-switch
- Output flick-free, meets the new requirements of ErP certification
- Built in active PFC function, high PF, 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, EL and other certifications
- Compliance with Zhaga Book 13 standards
- IP20 protection grade, indoor use
- Nominal life-time up to 100,000 h
- 5-year guarantee

Functions

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

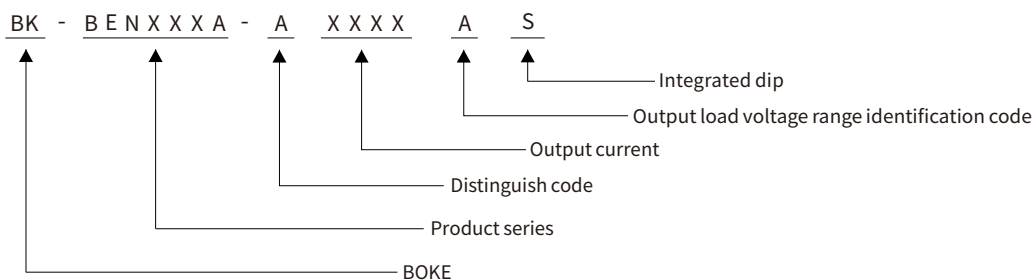
Suitable for lights

- Suitable for tri-proof lights.
- Not suitable for lights with external drivers

Typical applications

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

Model coding rules of BEN series



Function list

Model	Mode	Function
BK-BEN022A-A BK-BEN040A-A BK-BEN060A-A BK-BEN080A-A BK-BEN100A-A BK-BEN150A-A	S	Integrated dialing

Model list

Model	Input voltage	Output power	Output voltage	Output current	Dimension	Certifications
BK-BEN022A-A0350AS	200-240VAC/DC	22.05W MAX.	27-72VDC	0.2-0.35A	L210*W30*H21mm	CE, ENEC, UKCA, RCM, CCC, EL
BK-BEN040A-A0350AS	200-240VAC/DC	39.9W MAX.	50-133VDC	0.2-0.35A	L210*W30*H21mm	CE, ENEC, UKCA, RCM, CCC, EL
BK-BEN060A-A0350AS	200-240VAC/DC	60.2W MAX.	80-200VDC	0.2-0.35A	L210*W30*H21mm	CE, ENEC, UKCA, RCM, CCC, EL
BK-BEN080A-A0550AS	200-240VAC/DC	79.75W MAX.	50-216VDC	0.2-0.55A	L210*W30*H21mm	CE, ENEC, UKCA, RCM, CCC, EL
BK-BEN100A-A0800AS	200-240VAC/DC	100W MAX.	54-240VDC	0.35-0.8A	L280*W30*H21mm	CE, ENEC, UKCA, RCM, CCC, EL
BK-BEN150A-A1000AS	200-240VAC/DC	150.1W MAX.	54-240VDC	0.35-1A	L360*W30*H21mm	CE, ENEC, UKCA, RCM, CCC, EL

Technical data

Product model	BK-BEN022A-A0350AS
Output parameters	
Regulation method	Constant Current
Rated output current range	0.2-0.35A, see the DIP-switch for details
Rated output voltage range	27-72VDC, see the DIP-switch for details
Rated output power	22.05W Max, see the DIP-switch for details
Output current adjustment	DIP S.W(4 levels)
Output current ripple LF	±3%
Output current accuracy	±5%-±8%
Linear regulation	±5%
Load regulation	±5%
No load output voltage	250VDC
Flicker-free(typical)	Flickering percent(IEEE 1789)=1.552%, Flicker index(IEEE 1789)=0.008, Pst LM = 0.020, SVM = 0.004, (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 voltage shock	<380 V AC
Input current	<0.11A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF	PF:0.97,DF: 0.97 ,see the electrical values below for details
Input THD	9% ,see the electrical values below for details
Efficiency(Max)	88% ,see the electrical values below for details
In-rush current	9.8A peak ,250us 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):25.2W, 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(Performance criterion:B)
Leakage current	0.45mA (230V AC & Full load)
Isolation resistance	I/P-FG: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(100% output in DC input)
Self-contained emergency	Supported
Environment & Life time	
Operating temperature	Ta=-20-50/60°C, see the label below for details
Case temperature	Tc=85°C
Operating humidity	5-85% RH, not condensed
Storage temp./humidity	-40-80°C, 5-85% RH, not condensed
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	
Certification	CE, ENEC, UKCA, RCM, CCC, 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

Remarks

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

Technical data

Product model	BK-BEN040A-A0350AS
Output parameters	
Regulation method	Constant Current
Rated output current range	0.2-0.35A,see the DIP-switch for details
Rated output voltage range	50-133VDC,see the DIP-switch for details
Rated output power	39.9W Max,see the DIP-switch for details
Output current adjustment	DIP S.W(4 levels)
Output current ripple LF	±3%
Output current accuracy	±5%-±8%
Linear regulation	±5%
Load regulation	±5%
No load output voltage	250VDC
Flicker-free(typical)	Flickering percent(IEEE 1789)=0.62%, Flicker index(IEEE 1789)=0.001, Pst LM = 0.028, SVM = 0.004, (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 voltage shock	<380 V AC
Input current	<0.19A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF	PF:0.96,DF: 0.96 ,see the electrical values below for details
Input THD	8% ,see the electrical values below for details
Efficiency(Max)	92% ,see the electrical values below for details
In-rush current	18.6A peak ,222us 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):43.6W, 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(Performance criterion:B)
Leakage current	0.46mA (230V AC & Full load)
Isolation resistance	I/P-FG: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(100% output in DC input)
Self-contained emergency	Supported
Environment & Life time	
Operating temperature	Ta=-20-50/60°C,see the label below for details
Case temperature	Tc=85°C
Operating humidity	5-85% RH, not condensed
Storage temp./humidity	-40-80°C, 5-85% RH, not condensed
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	
Certification	CE, ENEC, UKCA, RCM, CCC, 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

Remarks

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

Technical data

Product model	BK-BEN060A-A0350AS
Output parameters	
Regulation method	Constant Current
Rated output current range	0.2-0.35A,see the DIP-switch for details
Rated output voltage range	80-200VDC,see the DIP-switch for details
Rated output power	60.2W Max,see the DIP-switch for details
Output current adjustment	DIP S.W(4 levels)
Output current ripple LF	±3%
Output current accuracy	±5%-±8%
Linear regulation	±5%
Load regulation	±5%
No load output voltage	250VDC
Flicker-free(typical)	Flickering percent(IEEE 1789)=1.567%, Flicker index(IEEE 1789)=0.001, Pst LM = 0.028, SVM = 0.004, (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	<0.34A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF	PF:0.95,DF: 0.96 ,see the electrical values below for details
Input THD	10% ,see the electrical values below for details
Efficiency(Max)	93% ,see the electrical values below for details
In-rush current	15A peak ,272us 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):64.7W, 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(Performance criterion:B)
Leakage current	0.31mA (230V AC & Full load)
Isolation resistance	I/P-FG: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(100% output in DC input)
Self-contained emergency	Supported
Environment & Life time	
Operating temperature	Ta=-20-50/60°C,see the label below for details
Case temperature	Tc=85°C
Operating humidity	5-85% RH, not condensed
Storage temp./humidity	-40-80°C, 5-85% RH, not condensed
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	
Certification	CE, ENEC, UKCA, RCM, CCC, 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

Remarks

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

Technical data

Product model	BK-BEN080A-A0550AS
Output parameters	
Regulation method	Constant Current
Rated output current range	0.2-0.55A, see the DIP-switch for details
Rated output voltage range	50-216VDC, see the DIP-switch for details
Rated output power	79.75W Max, see the DIP-switch for details
Output current adjustment	DIP S.W(8 levels)
Output current ripple LF	±3%
Output current accuracy	±5%-±8%
Linear regulation	±5%
Load regulation	±5%
No load output voltage	250VDC
Flicker-free(typical)	Flickering percent(IEEE 1789)=1.368%, Flicker index(IEEE 1789)=0.001, Pst LM = 0.016, SVM = 0.041, (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 voltage shock	<380 V AC
Input current	<0.432A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF	PF:0.98,DF: 0.99 ,see the electrical values below for details
Input THD	7% ,see the electrical values below for details
Efficiency(Max)	94% ,see the electrical values below for details
In-rush current	20.94A peak ,254us duration(50 % Ipeak) , see the description below for details
Start/Switchover/Turn off	<0.7s(AC start),<0.7s(DC start),<0.3s(AC/DC switchover),<0.5s(Turn off)
Switching cycles	> 50,000 switching cycles
Power consumption	Full load(Pin):85W, 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(Performance criterion:B)
Leakage current	0.54mA (230V AC & Full load)
Isolation resistance	I/P-FG: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(100% output in DC input)
Self-contained emergency	Supported
Environment & Life time	
Operating temperature	Ta=-20-60°C
Case temperature	Tc=90°C
Operating humidity	5-85% RH, not condensed
Storage temp./humidity	-40-80°C, 5-85% RH, not condensed
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	
Certification	CE, ENEC, UKCA, RCM, CCC, 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

Remarks

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

Technical data

Product model	BK-BEN100A-A0800AS
Output parameters	
Regulation method	Constant Current
Rated output current range	0.35-0.8A, see the DIP-switch for details
Rated output voltage range	54-240VDC, see the DIP-switch for details
Rated output power	100W Max, see the DIP-switch for details
Output current adjustment	DIP S.W(10 levels)
Output current ripple LF	±3%
Output current accuracy	±5%
Linear regulation	±5%
Load regulation	±5%
No load output voltage	300VDC
Flicker-free(typical)	Flickering percent(IEEE 1789)=0.684%, Flicker index(IEEE 1789)=0.003, Pst LM = 0.043, 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 voltage shock	<380 V AC
Input current	<0.55A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF	PF:0.98, DF:0.98, see the electrical values below for details
Input THD	6% , see the electrical values below for details
Efficiency(Max)	95% (230V AC & Full load), see the electrical values below for details
In-rush current	19.8A peak ,340us 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):105.3W, 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(Performance criterion:B)
Leakage current	0.46mA (230V AC & Full load)
Isolation resistance	I/P-FG: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(100% output in DC input)
Self-contained emergency	Supported
Environment & Life time	
Operating temperature	Ta=-20-60°C
Case temperature	Tc=90°C
Operating humidity	5-85% RH, not condensed
Storage temp./humidity	-40-80°C, 5-85% RH, not condensed
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	
Certification	CE, ENEC, UKCA, RCM, CCC, 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

Remarks

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

Technical data

Product model	BK-BEN150A-A1000AS
Output parameters	
Regulation method	Constant Current
Rated output current range	0.35-1A, see the DIP-switch for details
Rated output voltage range	54-240 VDC, see the DIP-switch for details
Rated output power	150.1W Max, see the DIP-switch for details
Output current adjustment	DIP S.W(10 levels)
Output current ripple LF	±3%
Output current accuracy	±5%
Linear regulation	±5%
Load regulation	±5%
No load output voltage	300VDC
Flicker-free(typical)	Flickering percent(IEEE 1789)=0.196%, Flicker index(IEEE 1789)=0.001, Pst LM = 0.016, SVM = 0.001, (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 voltage shock	<380 V AC
Input current	<0.8A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF	PF:0.98, DF:0.98, see the electrical values below for details
Input THD	6% , see the electrical values below for details
Efficiency(Max)	96% (230V AC & Full load), see the electrical values below for details
In-rush current	23.67A peak ,390us 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):156.4W, 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(Performance criterion:B)
Leakage current	0.44mA (230V AC & Full load)
Isolation resistance	I/P-FG: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(100% output in DC input)
Self-contained emergency	Supported
Environment & Life time	
Operating temperature	Ta=-20-60°C
Case temperature	Tc=90°C
Operating humidity	5-85% RH, not condensed
Storage temp./humidity	-40-80°C, 5-85% RH, not condensed
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	
Certification	CE, ENEC, UKCA, RCM, CCC, 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

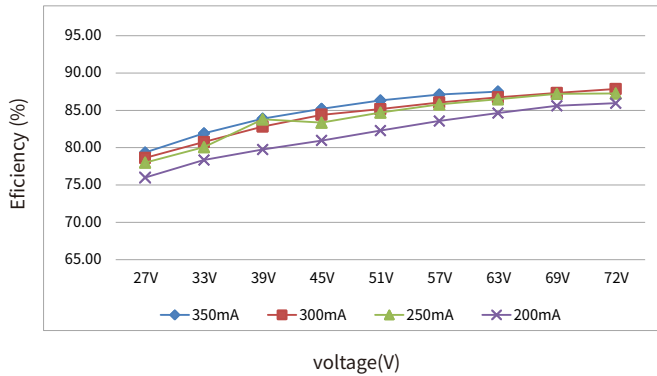
Remarks

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

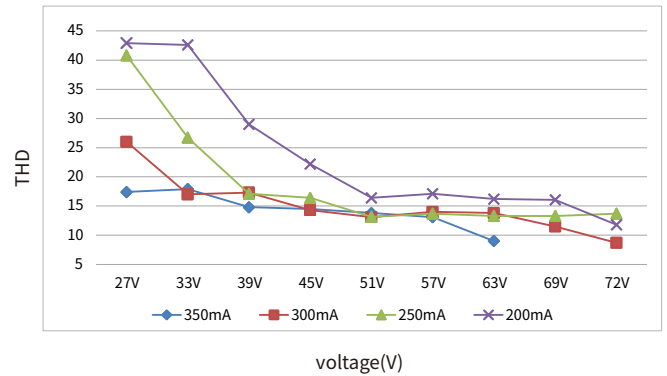
Electrical values

BK-BEN022A-A0350AS

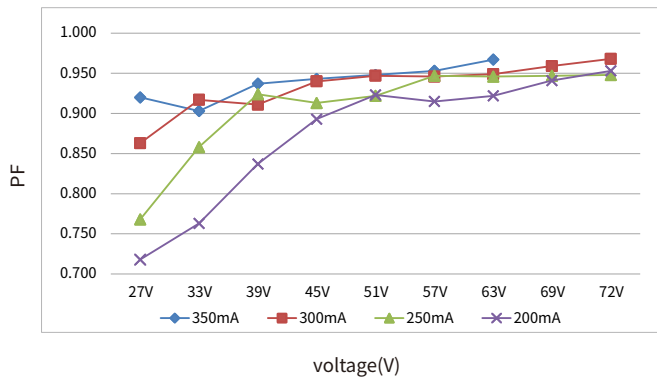
Efficiency vs voltage



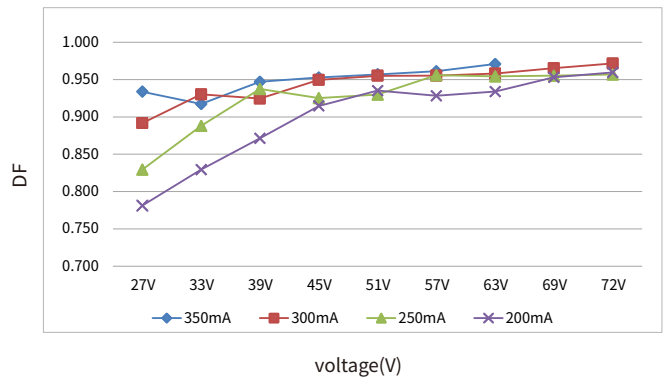
THD vs. voltage



Power factor vs. voltage

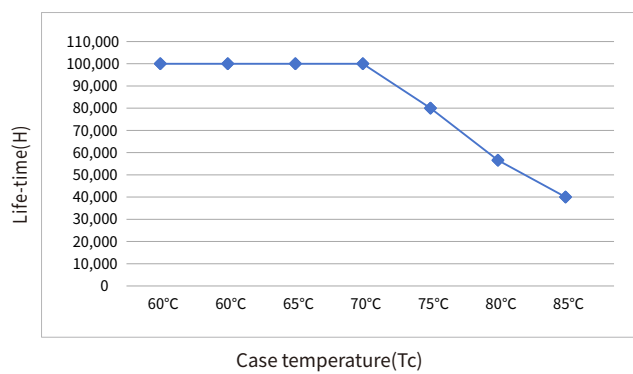


Displacement factor vs. voltage



Expected life-time

Life-time vs. case temperature



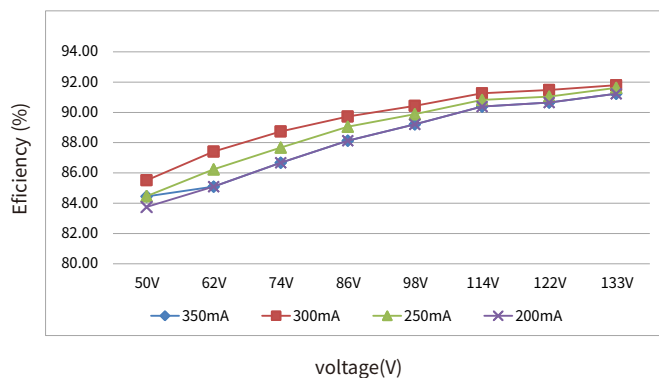
-The life-time of the LED driver is shown in the figure above (calculated based on the 90% survival rate).

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

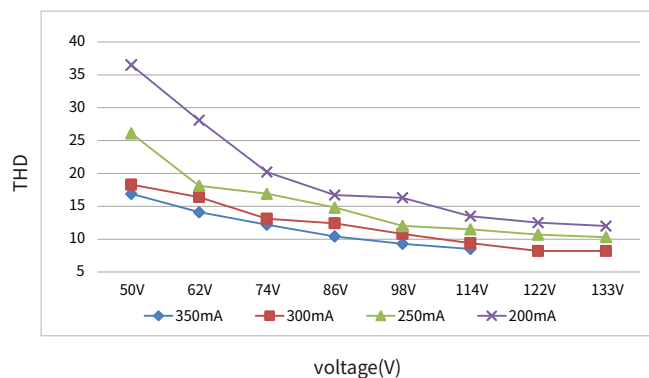
Electrical values

BK-BEN040A-A0350AS

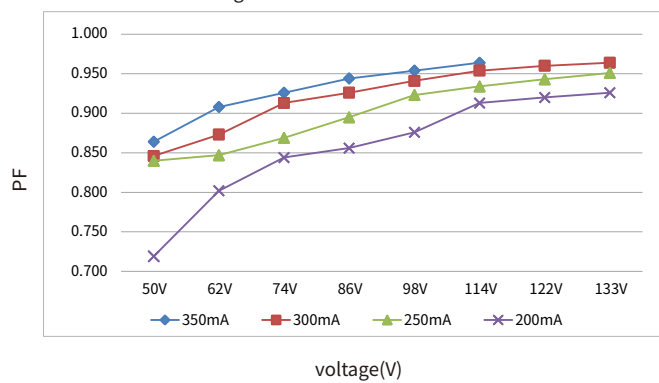
Efficiency vs voltage



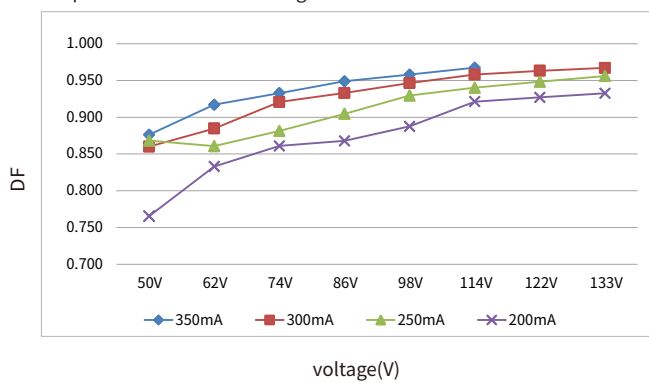
THD vs. voltage



Power factor vs. voltage

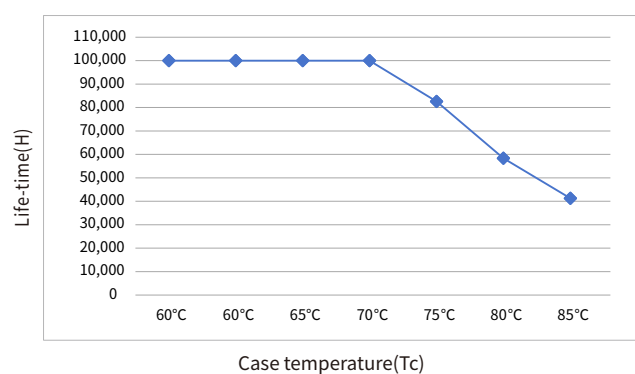


Displacement factor vs. voltage



Expected life-time

Life-time vs. case temperature



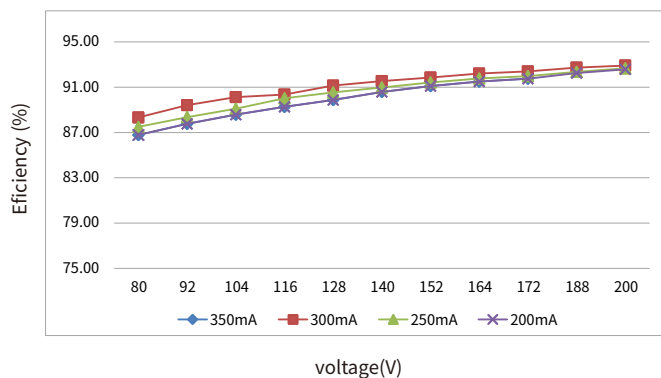
-The life-time of the LED driver is shown in the figure above (calculated based on the 90% survival rate).

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

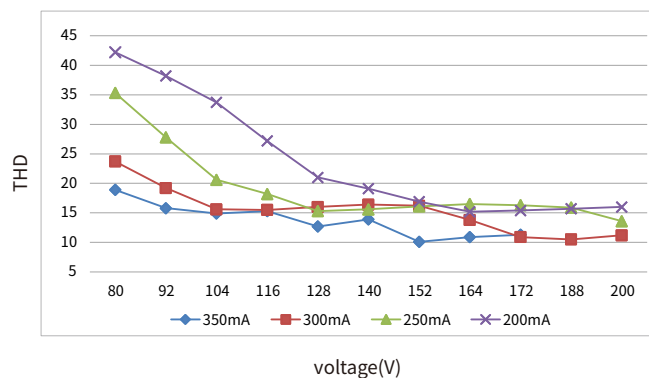
Electrical values

BK-BEN060A-A0350AS

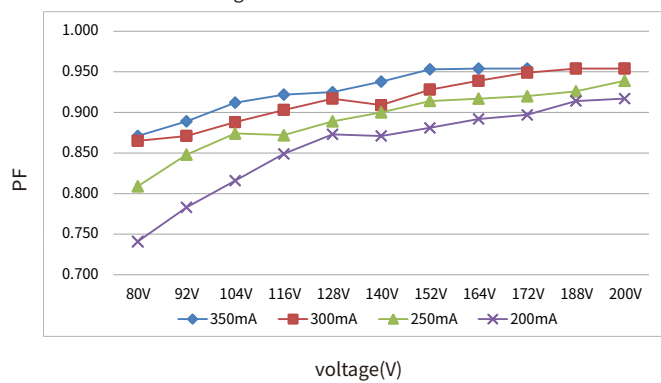
Efficiency vs voltage



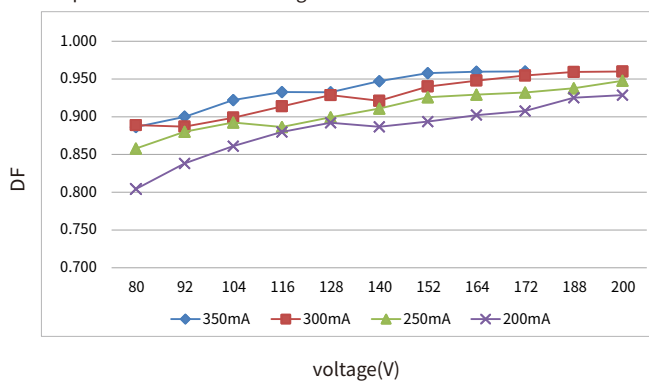
THD vs. voltage



Power factor vs. voltage

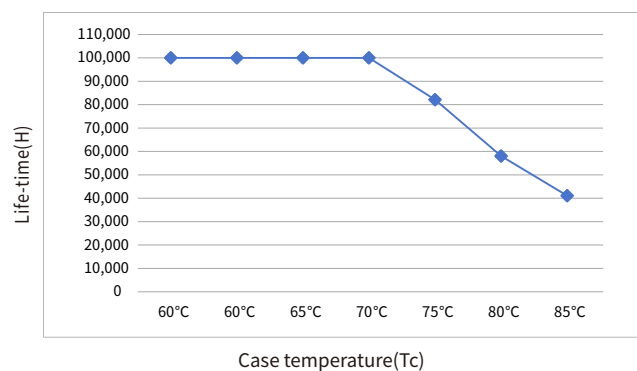


Displacement factor vs. voltage



Expected life-time

Life-time vs. case temperature



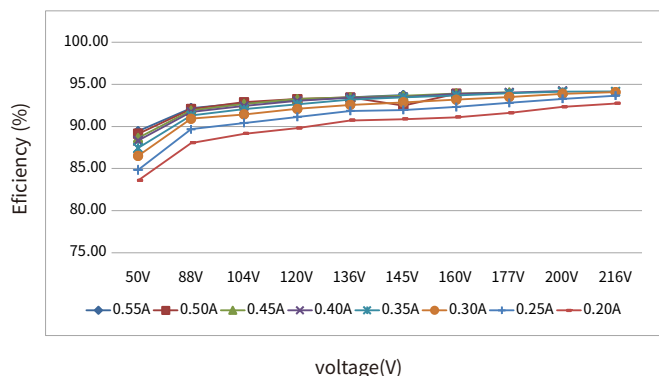
-The life-time of the LED driver is shown in the figure above (calculated based on the 90% survival rate).

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

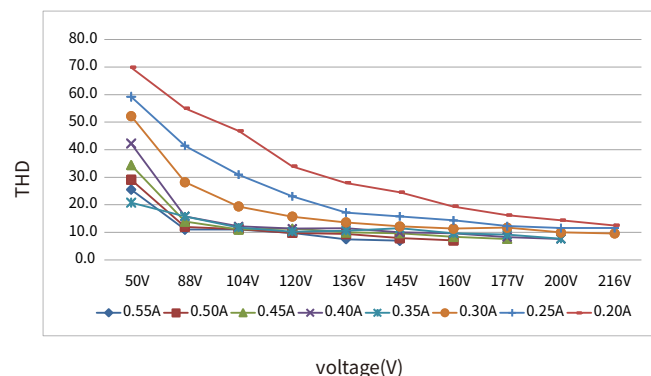
Electrical values

BK-BEN080A-A0550AS

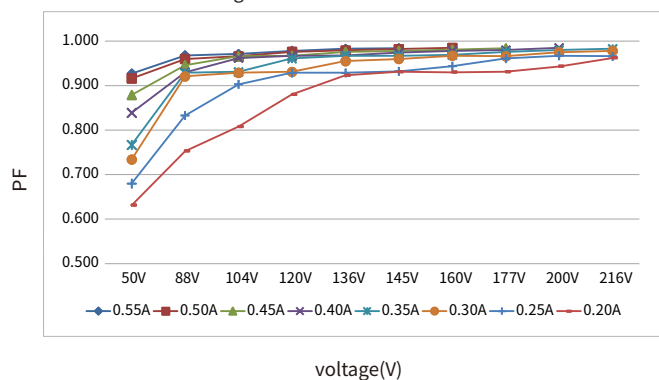
Efficiency vs voltage



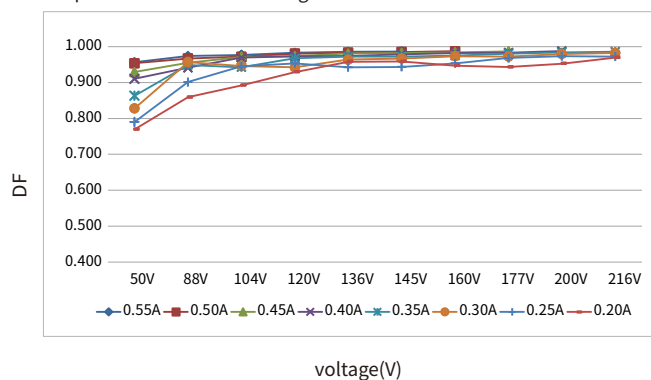
THD vs. voltage



Power factor vs. voltage

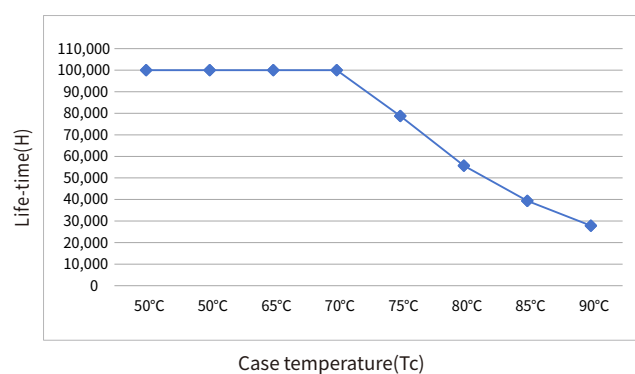


Displacement factor vs. voltage



Expected life-time

Life-time vs. case temperature



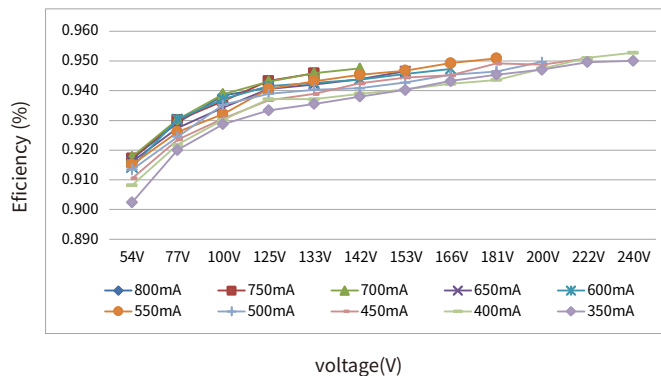
-The life-time of the LED driver is shown in the figure above (calculated based on the 90% survival rate).

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

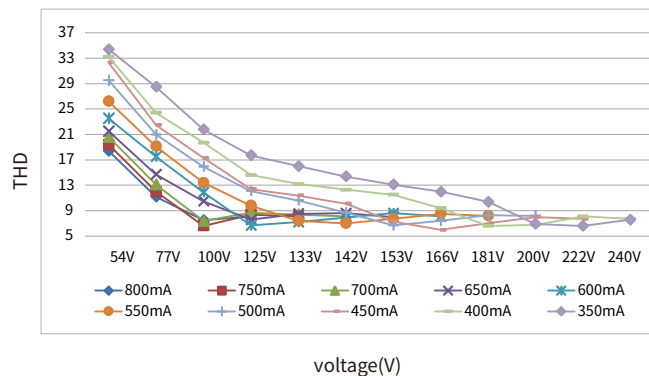
Electrical values

BK-BEN100A-A0800AS

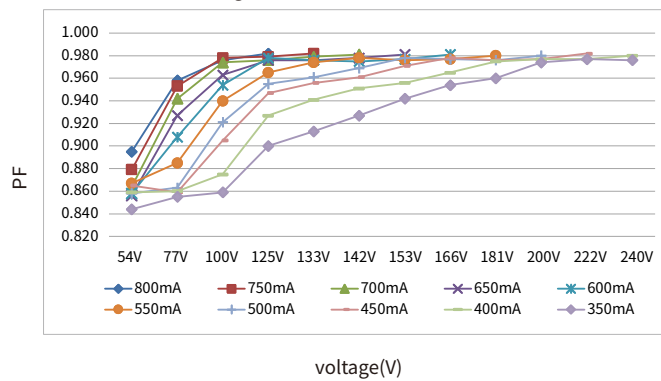
Efficiency vs. voltage



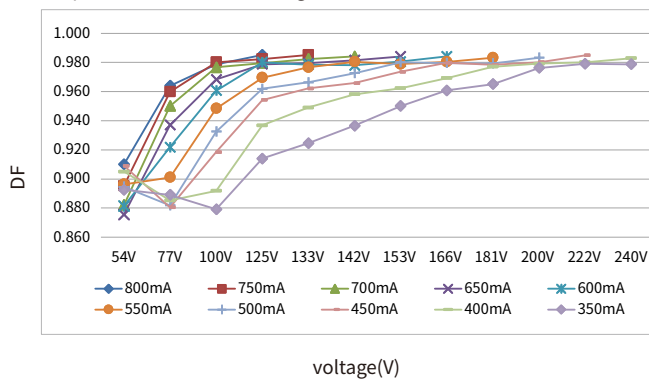
THD vs. voltage



Power factor vs. voltage

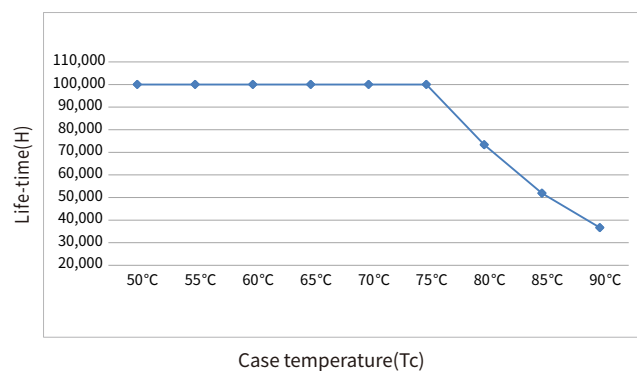


Displacement factor vs. voltage



Expected life-time

Life-time vs. case temperature



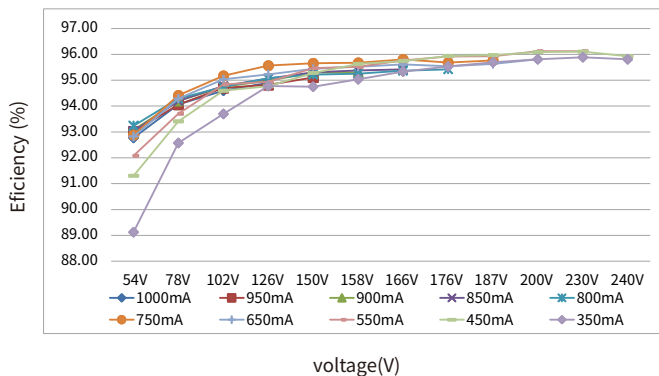
-The life-time of the LED driver is shown in the figure above
(calculated based on the 90% survival rate).

- The relation of t_c to t_a temperature depends also on the luminaire design.

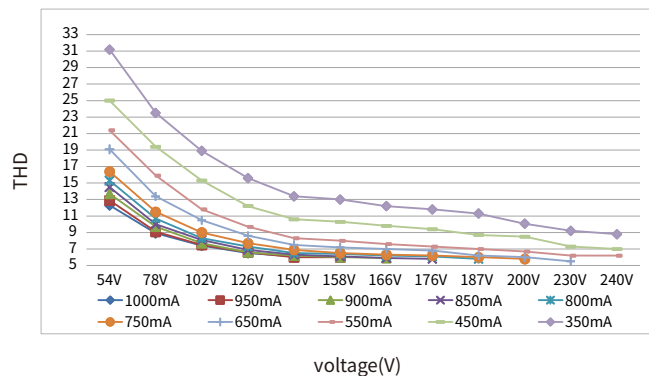
Electrical values

BK-BEN150A-A1000AS

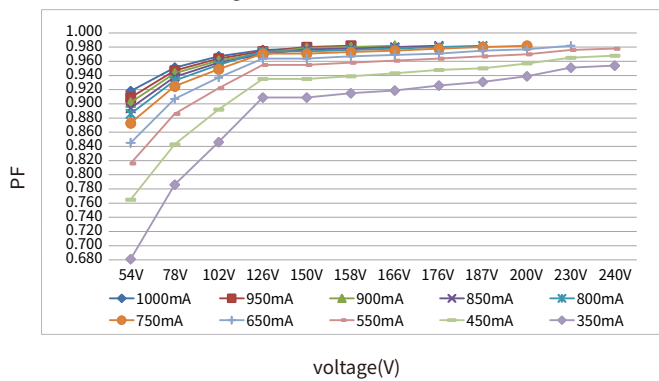
Efficiency vs voltage



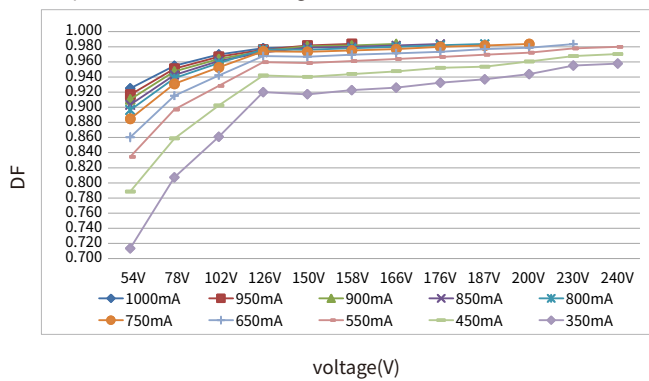
THD vs. voltage



Power factor vs. voltage

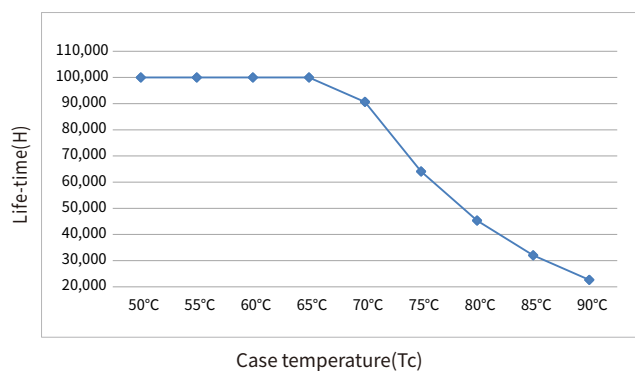


Displacement factor vs. voltage



Expected life-time

Life-time vs. case temperature



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

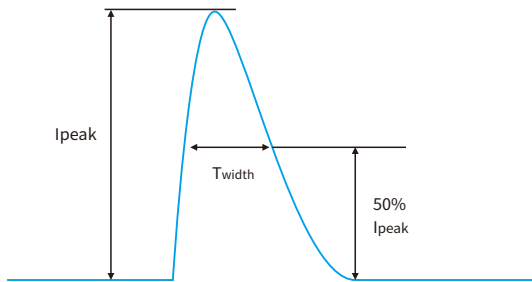
- The relation of tc to ta temperature depends also on the luminaire design.

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-BEN022A-A0350AS	9.8A	250us	AC 230V, Full load, Cold start, $T_a \leq 30^\circ\text{C}$, MCB is not installed side by side	28	37	45	56	70	47	61	75	94	117	71	92	113	142	177			
BK-BEN040A-A0350AS	18.6A	222us		17	22	28	35	43	29	37	46	58	72	41	53	65	82	102			
BK-BEN060A-A0350AS	15A	272us		16	21	26	32	40	27	35	43	54	67	28	36	44	55	69			
BK-BEN080A-A0550AS	20.94A	254us		13	17	21	26	32	21	27	34	42	52	21	27	34	42	52			
BK-BEN100A-A0800AS	19.8A	340us		10	13	16	19	24	16	21	26	32	40	17	22	27	34	42			
BK-BEN150A-A1000AS	23.67A	390us		6	8	10	12	15	10	13	16	20	24	10	13	16	20	24			

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.

Insulation between circuits

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

Label

BEN022A-A

INPUT
AC/L/DC+
AC/N/DC-
NC
LED
wire prep. 0.5-1.5mm

BOKE
Non-isolated Constant Current LED Driver
MODEL: BK-BEN022A-A0350AS
INPUT: 200-240V AC 50/60Hz 0.11A Max. 3.0 TC 0.95
OUTPUT: 27.43V $\pm$ 350mA 22.65W Max.
Other ratings see selection sheet
For LED Modules use only
MADE IN CHINA
BOKE Drivers Co., Ltd. www.bokedriver.com
Address: 2nd and 3rd Floor, No. 51, Xihuan 5th Road,
South District, 528455 Zhongshan City, Guangdong, CHINA

Switching selection sheet
Output
Pout Iout Uout Switch
14.40 200 27.72 ON
18.00 250 27.72 ON
21.60 300 27.72 ON
22.05 350 27.63 ON
Output current 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495 500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575 580 585 590 595 600 605 610 615 620 625 630 635 640 645 650 655 660 665 670 675 680 685 690 695 700 705 710 715 720 725 730 735 740 745 750 755 760 765 770 775 780 785 790 795 800 805 810 815 820 825 830 835 840 845 850 855 860 865 870 875 880 885 890 895 900 905 910 915 920 925 930 935 940 945 950 955 960 965 970 975 980 985 990 995 1000 1005 1010 1015 1020 1025 1030 1035 1040 1045 1050 1055 1060 1065 1070 1075 1080 1085 1090 1095 1100 1105 1110 1115 1120 1125 1130 1135 1140 1145 1150 1155 1160 1165 1170 1175 1180 1185 1190 1195 1200 1205 1210 1215 1220 1225 1230 1235 1240 1245 1250 1255 1260 1265 1270 1275 1280 1285 1290 1295 1300 1305 1310 1315 1320 1325 1330 1335 1340 1345 1350 1355 1360 1365 1370 1375 1380 1385 1390 1395 1400 1405 1410 1415 1420 1425 1430 1435 1440 1445 1450 1455 1460 1465 1470 1475 1480 1485 1490 1495 1500 1505 1510 1515 1520 1525 1530 1535 1540 1545 1550 1555 1560 1565 1570 1575 1580 1585 1590 1595 1600 1605 1610 1615 1620 1625 1630 1635 1640 1645 1650 1655 1660 1665 1670 1675 1680 1685 1690 1695 1700 1705 1710 1715 1720 1725 1730 1735 1740 1745 1750 1755 1760 1765 1770 1775 1780 1785 1790 1795 1800 1805 1810 1815 1820 1825 1830 1835 1840 1845 1850 1855 1860 1865 1870 1875 1880 1885 1890 1895 1900 1905 1910 1915 1920 1925 1930 1935 1940 1945 1950 1955 1960 1965 1970 1975 1980 1985 1990 1995 2000 2005 2010 2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065 2070 2075 2080 2085 2090 2095 2100 2105 2110 2115 2120 2125 2130 2135 2140 2145 2150 2155 2160 2165 2170 2175 2180 2185 2190 2195 2200 2205 2210 2215 2220 2225 2230 2235 2240 2245 2250 2255 2260 2265 2270 2275 2280 2285 2290 2295 2300 2305 2310 2315 2320 2325 2330 2335 2340 2345 2350 2355 2360 2365 2370 2375 2380 2385 2390 2395 2400 2405 2410 2415 2420 2425 2430 2435 2440 2445 2450 2455 2460 2465 2470 2475 2480 2485 2490 2495 2500 2505 2510 2515 2520 2525 2530 2535 2540 2545 2550 2555 2560 2565 2570 2575 2580 2585 2590 2595 2600 2605 2610 2615 2620 2625 2630 2635 2640 2645 2650 2655 2660 2665 2670 2675 2680 2685 2690 2695 2700 2705 2710 2715 2720 2725 2730 2735 2740 2745 2750 2755 2760 2765 2770 2775 2780 2785 2790 2795 2800 2805 2810 2815 2820 2825 2830 2835 2840 2845 2850 2855 2860 2865 2870 2875 2880 2885 2890 2895 2900 2905 2910 2915 2920 2925 2930 2935 2940 2945 2950 2955 2960 2965 2970 2975 2980 2985 2990 2995 3000 3005 3010 3015 3020 3025 3030 3035 3040 3045 3050 3055 3060 3065 3070 3075 3080 3085 3090 3095 3100 3105 3110 3115 3120 3125 3130 3135 3140 3145 3150 3155 3160 3165 3170 3175 3180 3185 3190 3195 3200 3205 3210 3215 3220 3225 3230 3235 3240 3245 3250 3255 3260 3265 3270 3275 3280 3285 3290 3295 3300 3305 3310 3315 3320 3325 3330 3335 3340 3345 3350 3355 3360 3365 3370 3375 3380 3385 3390 3395 3400 3405 3410 3415 3420 3425 3430 3435 3440 3445 3450 3455 3460 3465 3470 3475 3480 3485 3490 3495 3500 3505 3510 3515 3520 3525 3530 3535 3540 3545 3550 3555 3560 3565 3570 3575 3580 3585 3590 3595 3600 3605 3610 3615 3620 3625 3630 3635 3640 3645 3650 3655 3660 3665 3670 3675 3680 3685 3690 3695 3700 3705 3710 3715 3720 3725 3730 3735 3740 3745 3750 3755 3760 3765 3770 3775 3780 3785 3790 3795 3800 3805 3810 3815 3820 3825 3830 3835 3840 3845 3850 3855 3860 3865 3870 3875 3880 3885 3890 3895 3900 3905 3910 3915 3920 3925 3930 3935 3940 3945 3950 3955 3960 3965 3970 3975 3980 3985 3990 3995 4000 4005 4010 4015 4020 4025 4030 4035 4040 4045 4050 4055 4060 4065 4070 4075 4080 4085 4090 4095 4100 4105 4110 4115 4120 4125 4130 4135 4140 4145 4150 4155 4160 4165 4170 4175 4180 4185 4190 4195 4200 4205 4210 4215 4220 4225 4230 4235 4240 4245 4250 4255 4260 4265 4270 4275 4280 4285 4290 4295 4300 4305 4310 4315 4320 4325 4330 4335 4340 4345 4350 4355 4360 4365 4370 4375 4380 4385 4390 4395 4400 4405 4410 4415 4420 4425 4430 4435 4440 4445 4450 4455 4460 4465 4470 4475 4480 4485 4490 4495 4500 4505 4510 4515 4520 4525 4530 4535 4540 4545 4550 4555 4560 4565 4570 4575 4580 4585 4590 4595 4600 4605 4610 4615 4620 4625 4630 4635 4640 4645 4650 4655 4660 4665 4670 4675 4680 4685 4690 4695 4700 4705 4710 4715 4720 4725 4730 4735 4740 4745 4750 4755 4760 4765 4770 4775 4780 4785 4790 4795 4800 4805 4810 4815 4820 4825 4830 4835 4840 4845 4850 4855 4860 4865 4870 4875 4880 4885 4890 4895 4900 4905 4910 4915 4920 4925 4930 4935 4940 4945 4950 4955 4960 4965 4970 4975 4980 4985 4990 4995 5000 5005 5010 5015 5020 5025 5030 5035 5040 5045 5050 5055 5060 5065 5070 5075 5080 5085 5090 5095 5100 5105 5110 5115 5120 5125 5130 5135 5140 5145 5150 5155 5160 5165 5170 5175 5180 5185 5190 5195 5200 5205 5210 5215 5220 5225 5230 5235 5240 5245 5250 5255 5260 5265 5270 5275 5280 5285 5290 5295 5300 5305 5310 5315 5320 5325 5330 5335 5340 5345 5350 5355 5360 5365 5370 5375 5380 5385 5390 5395 5400 5405 5410 5415 5420 5425 5430 5435 5440 5445 5450 5455 5460 5465 5470 5475 5480 5485 5490 5495 5500 5505 5510 5515 5520 5525 5530 5535 5540 5545 5550 5555 5560 5565 5570 5575 5580 5585 5590 5595 5600 5605 5610 5615 5620 5625 5630 5635 5640 5645 5650 5655 5660 5665 5670 5675 5680 5685 5690 5695 5700 5705 5710 5715 5720 5725 5730 5735 5740 5745 5750 5755 5760 5765 5770 5775 5780 5785 5790 5795 5800 5805 5810 5815 5820 5825 5830 5835 5840 5845 5850 5855 5860 5865 5870 5875 5880 5885 5890 5895 5900 5905 5910 5915 5920 5925 5930 5935 5940 5945 5950 5955 5960 5965 5970 5975 5980 5985 5990 5995 6000 6005 6010 6015 6020 6025 6030 6035 6040 6045 6050 6055 6060 6065 6070 6075 6080 6085 6090 6095 6100 6105 6110 6115 6120 6125 6130 6135 6140 6145 6150 6155 6160 6165 6170 6175 6180 6185 6190 6195 6200 6205 6210 6215 6220 6225 6230 6235 6240 6245 6250 6255 6260 6265 6270 6275 6280 6285 6290 6295 6300 6305 6310 6315 6320 6325 6330 6335 6340 6345 6350 6355 6360 6365 6370 6375 6380 6385 6390 6395 6400 6405 6410 6415 6420 6425 6430 6435 6440 6445 6450 6455 6460 6465 6470 6475 6480 6485 6490 6495 6500 6505 6510 6515 6520 6525 6530 6535 6540 6545 6550 6555 6560 6565 6570 6575 6580 6585 6590 6595 6600 6605 6610 6615 6620 6625 6630 6635 6640 6645 6650 6655 6660 6665 6670 6675 6680 6685 6690 6695 6700 6705 6710 6715 6720 6725 6730 6735 6740 6745 6750 6755 6760 6765 6770 6775 6780 6785 6790 6795 6800 6805 6810 6815 6820 6825 6830 6835 6840 6845 6850 6855 6860 6865 6870 6875 6880 6885 6890 6895 6900 6905 6910 6915 6920 6925 6930 6935 6940 6945 6950 6955 6960 6965 6970 6975 6980 6985 6990 6995 7000 7005 7010 7015 7020 7025 7030 7035 7040 7045 7050 7055 7060 7065 7070 7075 7080 7085 7090 7095 7100 7105 7110 7115 7120 7125 7130 7135 7140 7145 7150 7155 7160 7165 7170 7175 7180 7185 7190 7195 7200 7205 7210 7215 7220 7225 7230 7235 7240 7245 7250 7255 7260 7265 7270 7275 7280 7285 7290 7295 7300 7305 7310 7315 7320 7325 7330 7335 7340 7345 7350 7355 7360 7365 7370 7375 7380 7385 7390 7395 7400 7405 7410 7415 7420 7425 7430 7435 7440 7445 7450 7455 7460 7465 7470 7475 7480 7485 7490 7495 7500 7505 7510 7515 7520 7525 7530 7535 7540 7545 7550 7555 7560 7565 7570 7575 7580 7585 7590 7595 7600 7605 7610 7615 7620 7625 7630 7635 7640 7645 7650 7655 7660 7665 7670 7675 7680 7685 7690 7695 7700 7705 7710 7715 7720 7725 7730 7735 7740 7745 7750 7755 7760 7765 7770 7775 7780 7785 7790 7795 7800 7805 7810 7815 7820 7825 7830 7835 7840 7845 7850 7855 7860 7865 7870 7875 7880 7885 7890 7895 7900 7905 7910 7915 7920 7925 7930 7935 7940 7945 7950 7955 7960 7965 7970 7975 7980 7985 7990 7995 8000 8005 8010 8015 8020 8025 8030 8035 8040 8045 8050 8055 8060 8065 8070 8075 8080 8085 8090 8095 8100 8105 8110 8115 8120 8125 8130 8135 8140 8145 8150 8155 8160 8165 8170 8175 8180 8185 8190 8195 8200 8205 8210 8215 8220 8225 8230 8235 8240 8245 8250 8255 8260 8265 8270 8275 8280 8285 8290 8295 8300 8305 8310 8315 8320 8325 8330 8335 8340 8345 8350 8355 8360 8365 8370 8375 8380 8385 8390 8395 8400 8405 8410 8415 8420 8425 8430 8435 8440 8445 8450 8455 8460 8465 8470 8475 8480 8485 8490 8495 8500 8505 8510 8515 8520 8525 8530 8535 8540 8545 8550 8555 8560 8565 8570 8575 8580 8585 8590 8595 8600 8605 8610 8615 8620 8625 8630 8635 8640 8645 8650 8655 8660 8665 8670 8675 8680 8685 8690 8695 8700 8705 8710 8715 8720 8725 8730 8735 8740 8745 8750 8755 8760 8765 8770 8775 8780 8785 8790 8795 8800 8805 8810 8815 8820 8825 8830 8835 8840 8845 8850 8855 8860 8865 8870 8875 8880 8885 8890 8895 8900 8905 8910 8915 8920 8925 8930 8935 8940 8945 8950 8955 8960 8965 8970 8975 8980 8985 8990 8995 9000 9005 9010 9015 9020 9025 9030 9035 9040 9045 9050 9055 9060 9065 9070 9075 9080 9085 9090 9095 9100 9105 9110 9115 9120 9125 9130 9135 9140 9145 9150 9155 9160 9165 9170 9175 9180 9185 9190 9195 9200 9205 9210 9215 9220 9225 9230 9235 9240 9245 9250 9255 9260 9265 9270 9275 9280 9285 9290 9295 9300 9305 9310 9315 9320 9325 9330 9335 9340 9345 9350 9355 9360 9365 9370 9375 9380 9385 9390 9395 9400 9405 9410 9415 9420 9425 9430 9435 9440 9445 9450 9455 9460 9465 9470 9475 9480 9485 9490 9495 9500 9505 9510 9515 9520 9525 9530 9535 9540 9545 9550 9555 9560 9565 9570 9575 9580 9585 9590 9595 9600 9605 9610 9615 9620 9625 9630 9635 9640 9645 9650 9655 9660 9665 9670 9675 9680 9685 9690 9695 9700 9705 9710 9

Label

BEN100A-A

INPUT

- ACL/DC+
- ACN/DC-
- NC
- Ⓢ

wire prep.
0.5-1.5mm²

BOKE

Non-isolated Constant Current LED Driver

MODEL: BK-BEN100A-A0800AS

INPUT: 200-240V $\approx$ 0/50/60Hz 0.55A Max. λ : 0.7C-0.95

OUTPUT: 54-125V $\approx$ 800mA 100W Max.

Other ratings see below sheet

For LED Modules use only

www.bokedriver.com

MADE IN CHINA

Switching selection sheet

Output	Switch	1	2	3	4
84.00 350	54-240	ON	ON	ON	ON
96.00 400	54-240	ON	ON	ON	ON
99.90 450	54-222	ON	ON	ON	ON
100.0 500	54-200	ON	ON	ON	ON
99.55 550	54-181	ON	ON	ON	ON
99.60 600	54-166	ON	ON	ON	ON
99.45 650	54-153	ON	ON	ON	ON
99.40 700	54-142	ON	ON	ON	ON
99.75 750	54-133	ON	ON	ON	ON
100.0 800	54-125	ON	ON	ON	ON

BOKE Drivers Co., Ltd.
Address: 2nd and 3rd Floor, No. 51, Xihuan 5th Road, South District, 528455 Zhongshan City, Guangdong, CHINA

EL

CE

UKA

RoHS

REACH

OTC

tc: 90°C
ta: 60°C

300VDC Max.

LED+

LED-

BEN150A-A

INPUT

- ACL/DC+
- ACN/DC-
- NC
- Ⓢ

wire prep.
0.5-1.5mm²

BOKE

Non-isolated Constant Current LED Driver

MODEL: BK-BEN150A-A1000AS

INPUT: 200-240V $\approx$ 0/50/60Hz 0.8A Max. λ : 0.65C-0.95

OUTPUT: 54-150V $\approx$ 1000mA 150W Max.

Other ratings see below sheet

For LED Modules use only

www.bokedriver.com

MADE IN CHINA

Switching selection sheet

Output	Switch	1	2	3	4
84.00 350	54-240	ON	ON	ON	ON
96.00 400	54-240	ON	ON	ON	ON
99.90 450	54-222	ON	ON	ON	ON
100.0 500	54-200	ON	ON	ON	ON
99.55 550	54-181	ON	ON	ON	ON
99.60 600	54-166	ON	ON	ON	ON
99.45 650	54-153	ON	ON	ON	ON
99.40 700	54-142	ON	ON	ON	ON
99.75 750	54-133	ON	ON	ON	ON
100.0 800	54-125	ON	ON	ON	ON

BOKE Drivers Co., Ltd.
Address: 2nd and 3rd Floor, No. 51, Xihuan 5th Road, South District, 528455 Zhongshan City, Guangdong, CHINA

EL

CE

UKA

RoHS

REACH

OTC

tc: 90°C
ta: 60°C

300VDC Max.

LED+

LED-

DIP-switch & output current

BK-BEN022A-A0350AS

Output			1	2	current accuracy
Prated(W)	Irated(mA)	Voltage(Vdc)			
14.40	200	27-72	--	--	±8%
18.00	250	27-72	--	ON	±8%
21.60	300	27-72	ON	--	±6%
22.05	350 ★	27-63	ON	ON	±5%

BK-BEN040A-A0350AS

Output			1	2	current accuracy
Prated(W)	Irated(mA)	Voltage(Vdc)			
26.60	200	50-133	--	--	±8%
33.25	250	50-133	--	ON	±8%
39.90	300	50-133	ON	--	±6%
39.90	350 ★	50-114	ON	ON	±5%

BK-BEN060A-A0350AS

Output			1	2	current accuracy
Prated(W)	Irated(mA)	Voltage(Vdc)			
40.00	200	80-200	--	--	±8%
50.00	250	80-200	--	ON	±8%
60.00	300	80-200	ON	--	±6%
60.20	350 ★	80-172	ON	ON	±5%

BK-BEN080A-A0550AS

Output			1	2	current accuracy
Prated(W)	Irated(mA)	Voltage(Vdc)			
43.20	200	50-216	--	--	±8%
54.00	250	50-216	ON	--	±7%
64.80	300	50-216	--	ON	±7%
75.60	350	50-216	ON	ON	±7%
80.00	400	50-200	--	ON	±7%
79.65	450	50-177	ON	--	±7%
80.00	500	50-160	--	ON	±5%
79.75	550 ★	50-145	ON	ON	±5%

BK-BEN100A-A0800AS

Output			1	2	3	4
Prated(W)	Irated(mA)	Voltage(Vdc)				
84.00	350	54-240	--	ON	ON	ON
96.00	400	54-240	ON	--	ON	ON
99.90	450	54-222	--	--	ON	ON
100.0	500	54-200	--	ON	--	ON
99.55	550	54-181	--	--	--	ON
99.60	600	54-166	ON	ON	ON	--
99.45	650	54-153	--	--	ON	--
99.40	700	54-142	--	ON	--	--
99.75	750	54-133	ON	--	--	--
100.0	800 ★	54-125	--	--	--	--

BK-BEN150A-A1000AS

Output			1	2	3	4
Prated(W)	Irated(mA)	Voltage(Vdc)				
84.00	350	54-240	--	ON	ON	ON
108.0	450	54-240	ON	--	ON	ON
132.0	550	54-240	--	--	ON	ON
149.5	650	54-230	--	ON	--	ON
150.0	750	54-200	--	--	--	ON
149.6	800	54-187	ON	ON	ON	--
149.6	850	54-176	--	--	ON	--
149.4	900	54-166	--	ON	--	--
150.1	950	54-158	ON	--	--	--
150.0	1000 ★	54-150	--	--	--	--

Remarks:

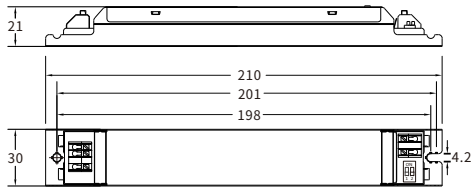
- ★ It means that this item is the factory default current.
- It means that this channel is OFF.

Mechanical Specification

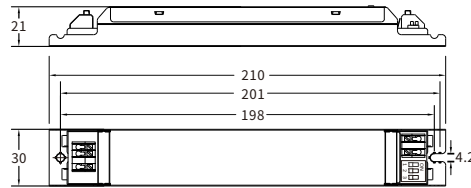
Size

Unit:mm

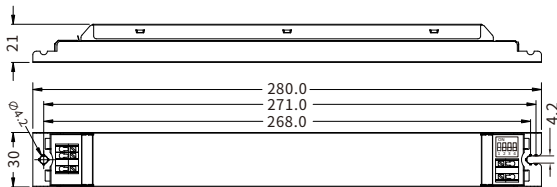
BEN022A-A/BEN040A-A/BEN060A-A



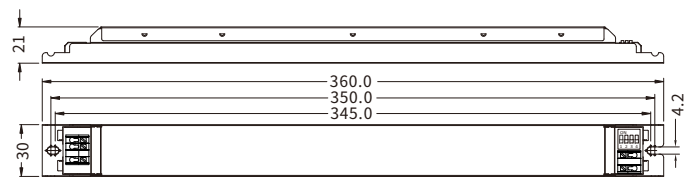
BEN080A-A



BEN100A-A



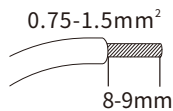
BEN150A-A



INPUT

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

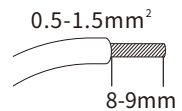
Input wire



OUTPUT

Numbering	function	colour
1	LED+	red
2	NC	black
3	LED-	black

Output wire



Installation note

Hot plug-in

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

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. length of output wires is 2 m.
- Incorrect wiring can damage LED modules.

Installation requirements

- The driver should be installed in a dry, acid-free, oil-free, fat-free environment.
- The installation ambient temperature of the drive shall not exceed the value of Ta at any time.
- The temperature of the mounting surface of the driver should be lower than 60°C
- The driver should keep a certain distance from the heating stuff (such as the luminaire radiator).
- If the driver is used externally (it needs to be used with the accessories), the installation of the driver should also meet the following conditions:
 - 1.The driver should be a certain distance between the drivers, as shown in Figure 1.
 - 2.The driver keeps a certain distance from surrounding objects, as shown in Figure 2.

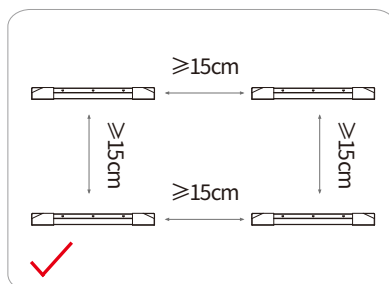
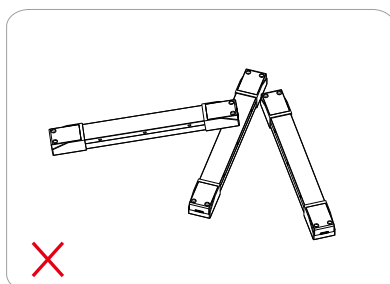


Figure 1

Mounting screw specifications and torque

- Max. torque at the clamping screw: 0.5 Nm / M4

Replace LED module

1. Mains off
2. Wait more than 15 seconds
3. Remove LED module
4. Connect LED module again

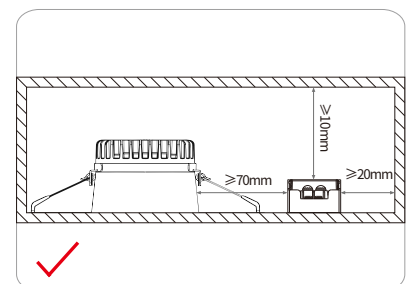
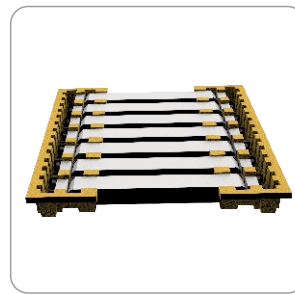


Figure 2

Packaging



Product



Paper tray



7pcs*6layer=42pcs/CTN
7pcs*5layer=35pcs/CTN
7pcs*4layer=28pcs/CTN

Model	Product size	Weight	Paper tray	Carton size	Packing	N.W	G.W
BEN022A-A	L210*W30*H21mm	111g	L340*W75*H29mm	L355*W250*H205mm	42pcs	4.66kg	5.95kg
BEN040A-A	L210*W30*H21mm	120g	L340*W75*H29mm	L355*W250*H205mm	42pcs	5.04kg	6.41kg
BEN060A-A	L210*W30*H21mm	128g	L340*W75*H29mm	L355*W250*H205mm	42pcs	5.38kg	6.75kg
BEN080A-A	L210*W30*H21mm	152g	L340*W75*H29mm	L355*W250*H205mm	42pcs	6.38kg	7.75kg
BEN100A-A	L285*W30*H21mm	215g	L345*W75*H29mm	L355*W325*H170mm	35pcs	7.53kg	8.75kg
BEN150A-A	L355*W30*H21mm	268g	L345*W75*H29mm	L395*W355*H140mm	28pcs	7.50kg	8.65kg

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.