



FEATURES

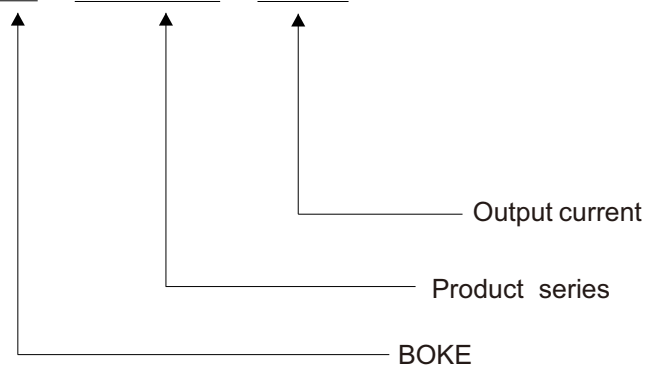
1. 180-264V AC/DC input
2. Built in active PFC function
3. Flicker-Free, Compatible with IEEE1789:2015 standard
4. Bipolar circuit design, stable operation
5. Input and output screw fastening design
6. Constant current output, support: SCP/OCP/OVP/OTP protections
7. Class II, For indoor use
8. Compliance to: ENEC, TUV-CE, SAA, RCM, CCC
9. Series division: 16W/22W/40W/42W/56W
10. 5 years warrant

APPLICATION

1. LED indoor lighting
2. LED office lighting
3. LED architectural lighting
4. LED panel lamp lighting

MODEL CODE

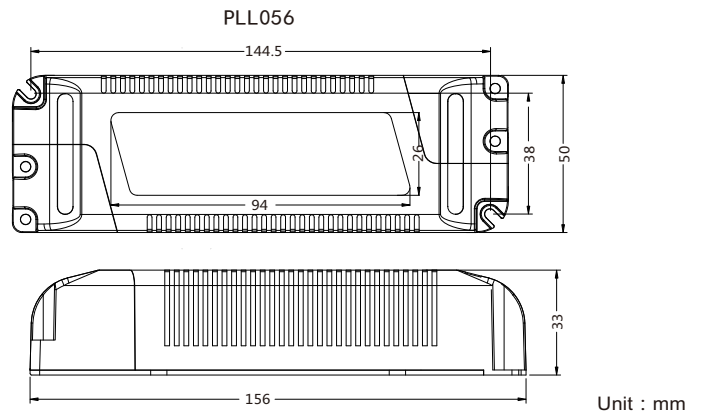
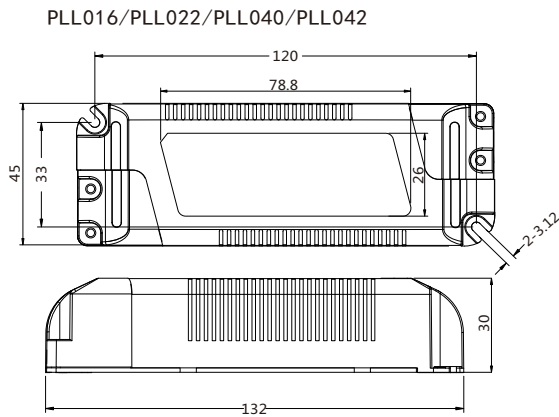
BK - PL LXXX - XXXX



ELECTRICAL SPECIFICATION					
MODEL	BK-PLL016-0400	BK-PLL022-0600	BK-PLL040-0950	BK-PLL040-1000	
OUTPUT					
DC current	400mA	600mA	950mA	1000mA	
DC voltage range	27-42V	27-42V	28-42V	28-40V	
Rated power	16.8W Max	22W Max	39.9W Max	40W Max	
Voltage ripple & noise note.2	≤200mV(Vpp)	≤200mV(Vpp)	≤300mV(Vpp)	≤300mV(Vpp)	
Current ripple & noise	≤30mA(RMS)	≤30mA(RMS)	≤30mA(RMS)	≤30mA(RMS)	
Constsnt current ADJ. range	250-400mA	410-600mA	610-950mA	960-1000mA	
Constant current accuracy	±5%	±5%	±5%	±5%	
Line regulation	±5%	±5%	±5%	±5%	
Load regulation	±5%	±5%	±5%	±5%	
Hold up time	N/A				
Dimming function	N/A				
INPUT					
Rated voltage	200-240VAC 200-240VDC				
Input voltage range	180-264VAC 180-264VDC				
Frequency range	47-63Hz				
Power factor	PF>0.90 @ 230VAC/>70% load				
Total harmonic distortion	THD<20% @ 230VAC/>70% load				
Efficiency (Typ.)	86%	87%	88%	88%	
Standby power note.3	N/A				
Input current	<0.15A max/ 230Vac	<0.2A max/230Vac	<0.35Amax/230Vac		
Inrush current(Typ.)	Cold start <30A @ 230Vac.	Cold start <30A @ 230Vac.	Cold start <35A @ 230Vac.		
Turn on delay	<0.5s @ 230Vac	<0.5s @ 230Vac	<0.5s @ 230Vac		
PROTECTION					
Short circuit	Hiccup,recovers automatically after environment temperature declines				
Max output voltage	50V				
Over temperature	N/A				
ENVIROHMENT					
Operation temperature	-20-45°C				
Operation humidity	10-90% RH,non-condensing				
Storagr tempera-ture/humidity	-40-80°C,5-95% RH				
IP class	IP20				
Vibration	10~500Hz,5G 12min./1cycle,period for 72min. each along X,Y,Z axes				
Tc	Tc=75°C(Ta=45°C)				
MTBF	500000H,MIL-HDBK-217F(25°C)				
EMC					
EMC emisson Note.4	Compliance to EN55015,GB17743,EN61000-3-2 Class C(≥30% load),EN61000-3-3				
EMC immunity	Compliance to EN61000-4-2,3,4,5,6,8,1,EN61547,surge:DM 1KV				
SAFETY					
Safety standards	EN61347-1/2-13,				
Dali standards	N/A				
Certificate	CE-SUD ENEC SAA RCM				
Withstand voltage	I/P-O/P:3750VAC,				
Leakage current	<0.25mA @ 230Vac		<0.75mA @ 230Vac		
Isolation resis-tance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH				
INTERFACE					
Environmental protection	RoHS				
Input connection	Blue/3PIN/PA001A-500-3P/UL				
Output connection	Green/3PIN/PA001A-500-3P/UL				
NOTE	1.All parameter are measured at 230VAC input,rated load and 25°C of ambient temperature. 2.The power supply is considers as a compent that wil be operated in combination with final equipment.Since EMC performance will be affected by the complete installation the final equipment mancfatures must re-quality EMC directive on the complete installation again. 3.Ripple & Noise are measured at 20MHz of bandwith by using a 12" twised pair-wire terminated with a 0.1uF & 47uF paralled capacitor. 4.If this driver used for led lighting, the TC should not higher than TC showed on the driver when the lighting working on the highest rated working temprature.				

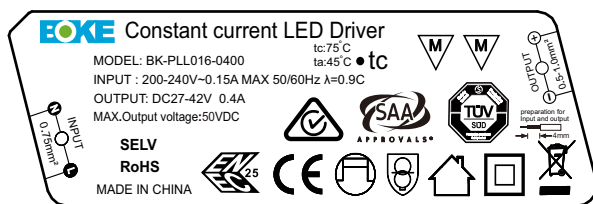
ELECTRICAL SPECIFICATION					
MODEL	BK-PLL042-1000	BK-PLL042-1050	BK-PLL042-1100	BK-PLL056-1400	
OUTPUT					
DC current	1000mA	1050mA	1100mA	1400mA	
DC voltage range	28-42V	28-40V	28-38V	30-40V	
Rated power	42W Max	42W Max	41.8W Max	56W Max	
Voltage ripple & noise note.2	≤300mV(Vpp)	≤300mV(Vpp)	≤300mV(Vpp)	≤300mV(Vpp)	
Current ripple & noise	≤50mA(RMS)	≤50mA(RMS)	≤50mA(RMS)	≤80mA(RMS)	
Constnt current ADJ. range	800-1000mA	1010-1050mA	1060-1100mA	1100-1400mA	
Constant current accuracy	±5%	±5%	±5%	±5%	
Line regulation	±5%	±5%	±5%	±5%	
Load regulation	±5%	±5%	±5%	±5%	
Hold up time	N/A				
Dimming function	N/A				
INPUT					
Rated voltage	200-240VAC 200-240VDC				
Input voltage range	180-264VAC 180-264VDC				
Frequency range	47-63Hz				
Power factor	PF>0.90 @ 230VAC/>70% load				
Total harmonic distortion	THD<20% @ 230VAC/>70% load				
Efficiency (Typ.)	87%	87%	87%	88%	
Standby power note.3	N/A				
Input current	<0.3A max/ 230Vac			<0.7Amax/230Vac	
Inrush current(Typ.)	Cold start <30A @ 230Vac.			Cold start <30A @ 230Vac.	
Turn on delay	<0.5s @ 230Vac			<0.5s @ 230Vac	
PROTECTION					
Short circuit	Hiccup,recovers automatically after environment temperature declines				
Max output voltage	48V			50V	
Over temperature	N/A				
ENVIROHMENT					
Operation temperature	-20-45°C				
Operation humidity	10-90% RH,non-condensing				
Storagr tempera-ture/humidity	-40-80°C,5-95% RH				
IP class	IP20				
Vibration	10~500Hz,5G 12min./1cycle,period for 72min. each along X,Y,Z axes				
Tc	Tc=85°C(Ta=45°C)				
MTBF	500000H,MIL-HDBK-217F(25°C)				
EMC					
EMC emisson Note.4	Compliance to EN55015,GB17743,EN61000-3-2 Class C(≥30% load),EN61000-3-3				
EMC immunity	Compliance to EN61000-4-2,3,4,5,6,8,1,EN61547,surge:DM 1KV				
SAFETY					
Safety standards	EN61347-1/2-13,				
Dali standards	N/A				
Certificate	CE-SUD ENEC SAA RCM				
Withstand voltage	I/P-O/P:3750VAC,				
Leakage current	<0.75mA @ 230Vac				
Isolation resis-tance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH				
INTERFACE					
Environmental protection	RoHS				
Input connection	Blue/3PIN/PA001A-500-3P/UL				
Output connection	Green/3PIN/PA001A-500-3P/UL				
NOTE	1.All parameter are measured at 230VAC input,rated load and 25°C of ambient temperature. 2.The power supply is considers as a compent that wil be operated in combination with final equipment.Since EMC performance will be affected by the complete installation the final equipment mancfatures must re-quality EMC directive on the complete installation again. 3.Ripple & Noise are measured at 20MHz of bandwith by using a 12" twised pair-wire terminated with a 0.1uF & 47uF paralld capacitor. 4.If this driver used for led lighting, the TC should not higher than TC showed on the driver when the lighting working on the highest rated working temprature.				

Mechanical Specification

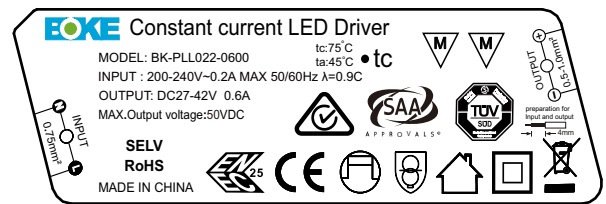


Lable reference

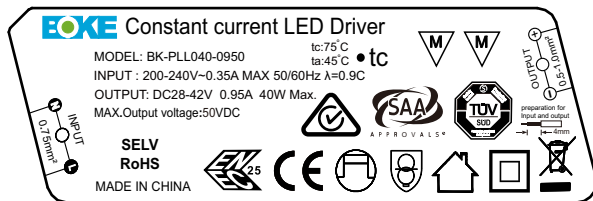
BK-PLL016



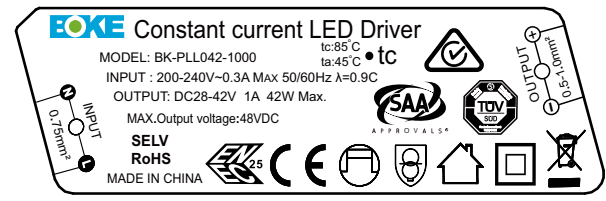
BK-PLL022



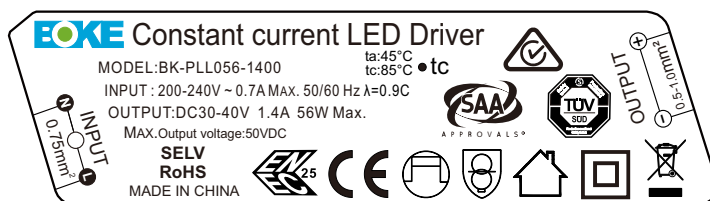
BK-PLL040



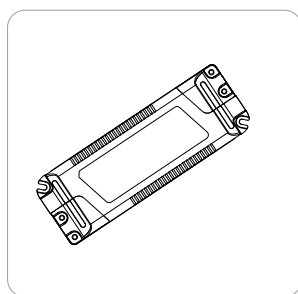
BK-PLL042



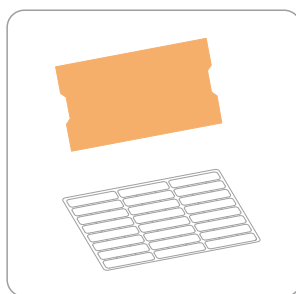
BK-PLL056



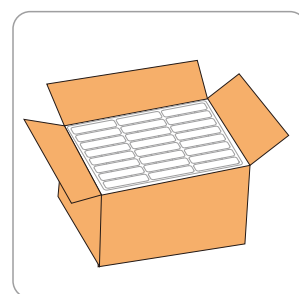
Product package



Product

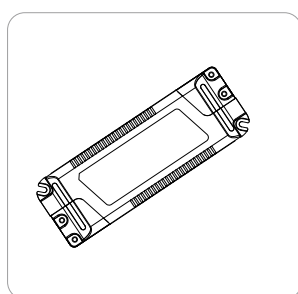


Blister tray

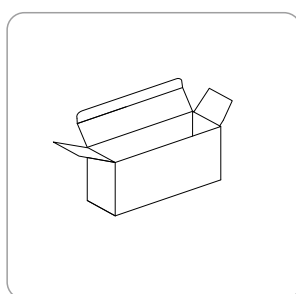


24pcs×3layer=72pcs/CIN
18pcs×3layer=54pcs/CIN

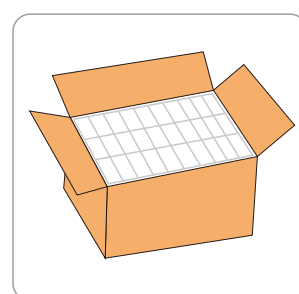
Product	Product size	Weight	Carton size	C.W	N.W	Blister tray size	Flat card size	Packing
PLL016	L132*W45*H30mm	125g	L450*W350*H180mm	9.0kg	9.6kg	L430*W340*H47mm	L435*W335mm	72pcs
PLL022	L132*W45*H30mm	135g	L450*W350*H180mm	9.75kg	10.5kg	L430*W340*H47mm	L435*W335mm	72pcs
PLL040	L132*W45*H30mm	119g	L450*W350*H180mm	8.6kg	9.2kg	L430*W340*H47mm	L435*W335mm	72pcs
PLL042	L132*W45*H30mm	135g	L450*W350*H180mm	9.75kg	10.5kg	L430*W340*H47mm	L435*W335mm	72pcs
PLL056	L156*W50*H33.5mm	213g	L450*W350*H180mm	11.5kg	12.08kg	L430*W340*H48mm	L435*W335mm	54pcs



Product



Packaging



20pcs×3layer=60pcs/CIN
14pcs×4layer=56pcs/CIN

Product	Product size	Weight	Carton size	C.W	N.W	Packaging size	PE bag size	Packing
PLL016	L132*W45*H30mm	125g	L440*W375*H222mm	7.5kg	9.35kg	L140*W35*H50mm	L250*W120mm	60pcs
PLL022	L132*W45*H30mm	135g	L450*W350*H180mm	8.1kg	10.8kg	L169*W42*H55mm	L250*W120mm	60pcs
PLL040	L132*W45*H30mm	119g	L450*W350*H180mm	7.2kg	9.95kg	L169*W42*H55mm	L250*W120mm	60pcs
PLL042	L132*W45*H30mm	135g	L450*W350*H180mm	8.1kg	10.8kg	L169*W42*H55mm	L250*W120mm	60pcs
PLL056	L156*W50*H33.5mm	213g	L440*W375*H222mm	11.9kg	14.5kg	L178*W59*H50mm	L250*W120mm	56pcs