

Making High Power Lighting Simple and Reliable



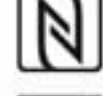
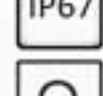
Constant Current LED Drivers - Isolated LED Driver

-  Isolated Dimming 0-10V/PWM/DMX/Timer
-  10kV Surge Protection
-  NFC Programmable
-  Dim to off / Standby Power 0.5W
-  12V 300mA Auxiliary Power
-  Class II Model Available
-  IP67 Waterproof
-  DALI 2 Dimmable



Model Number	Input Voltage Range Vac	Output Power Watt	Certification	Output Current Range / mA	Dimension (L*W*H)mm
BLD-060	120 – 277	60	UL/ENEC/CB/RCM/FCC	700 – 2100	131*68*33.5
BLD-075	120 – 277	75	UL/ENEC/CB/RCM/FCC	700 – 2800	131*68*33.5
BLD-096	120 – 277	96	UL/ENEC/CB/RCM/FCC	500 – 4200	132*68*38.5
BLD-150	120 – 277	150	UL/ENEC/CB/RCM/FCC	700 – 6300	162*68*38.5
BLD-200	120 – 277	200	UL/ENEC/CB/RCM/FCC	700 – 6300	175*68*38.5
BLD-240	120 – 277	250	UL/ENEC/CB/RCM/FCC	700 – 6900	215*68*33.5
BLD-320	120 – 277	320	UL/ENEC/CB/RCM/FCC	760 – 7000	225*68*38.5
BLD-400	120 – 277	400	UL/ENEC/CB/RCM/FCC	1400 – 9900	224*90*41.5
BLD-500	120 – 277	500	UL/ENEC/CB/RCM/FCC	1200 – 11000	224*90*41.5
BLD-600	120 – 277	600	UL/ENEC/CB/RCM/FCC	1400 – 14000	237*125*49
BLD-610	120 – 277	610	UL/ENEC/CB/RCM/FCC	1400 – 14000	336*90*41.5
BLD-700	120 – 277	700	UL/ENEC/CB/RCM/FCC	1700 – 16000	237*125*49
BLD-710	120 – 277	710	UL/ENEC/CB/RCM/FCC	1700 – 16000	336*90*41.5
BLD-800	120 – 277	800	UL/ENEC/CB/RCM/FCC	1900 – 18000	237*125*49
BLD-810	120 – 277	810	UL/ENEC/CB/RCM/FCC	1900 – 18000	336*90*41.5
BLD-900	120 – 277	900	UL/ENEC/CB/RCM/FCC	2800 – 18000	237*125*49
BLD-1K1	120 – 277	1000	UL/ENEC/CB/RCM/FCC	4200 – 21000	363*90*41.5
TLD-240	200 – 480	250	UL/ENEC/CB/RCM/FCC	1050 – 6900	224*68*38.5
TLD-320	200 – 480	320	UL/ENEC/CB/RCM/FCC	1050 – 7000	224*68*38.5
TLD-400	200 – 480	400	UL/ENEC/CB/RCM/FCC	1400 – 9900	224*90*41.5
TLD-480	200 – 480	480	UL/ENEC/CB/RCM/FCC	1400 – 11000	224*90*41.5
TLD-600	200 – 480	600	UL/ENEC/CB/RCM/FCC	2800 – 14000	237*125*49
TLD-700	200 – 480	700	UL/ENEC/CB/RCM/FCC	3200 – 16000	237*125*49
TLD-800	200 – 480	800	UL/ENEC/CB/RCM/FCC	3600 – 18000	237*125*49
TLD-810	200 – 480	810	UL/ENEC/CB/RCM/FCC	3600 – 18000	336*90*41.5

Constant Current LED Drivers - Non-isolated LED Driver

-  Non-isolated Design
-  10kV Surge Protection
-  NFC Programmable or Wired Programmable
-  12V 300mA Auxiliary Power
-  IP67 Waterproof
-  Glow-free
-  DMX/RDM Quick Flashing



Model Number	Input Voltage Range / Vac	Output Power Watt	Certification	Output Current Range / mA	Dimension (L*W*H)mm
SLK-600-C	200 – 480	600	UL/ENEC/CB/CE/FCC/RCM	1200 – 1700	207*90*41.5
SLK-610-C	200 – 480	610	UL/ENEC/CB/CE/FCC/RCM	1200 – 1700	270*90*41.5
SLK-800-C	200 – 480	800	UL/ENEC/CB/CE/FCC/RCM	1600 – 2200	207*90*41.5
SLK-810-C	200 – 480	810	UL/ENEC/CB/CE/FCC/RCM	1600 – 2200	270*90*41.5
SLK-1K0-C	200 – 480	1000	UL/ENEC/CB/CE/FCC/RCM	2000 – 2800	267*125*49
SLK-1K1-C	200 – 480	1000	UL/ENEC/CB/CE/FCC/RCM	2000 – 2800	364*90*41.5
SLK-1K2-C	200 – 480	1200	UL/ENEC/CB/CE/FCC/RCM	2400 – 3400	267*125*49
SLK-1K3-C	200 – 480	1200	UL/ENEC/CB/CE/FCC/RCM	2400 – 6900	364*90*41.5
BLK-400-C	120 – 277	400	UL/ENEC/CB/CE/FCC/RCM	1100 – 2000	211*90*41.5
BLK-500-C	120 – 277	500	UL/ENEC/CB/CE/FCC/RCM	1400 – 2100	211*90*41.5
BLK-610-C	120 – 277	610	UL/ENEC/CB/CE/FCC/RCM	1700 – 2100	284*90*41.5
BLK-810-C	120 – 277	810	UL/ENEC/CB/CE/FCC/RCM	2250 – 2800	284*90*41.5



Cable Programmer



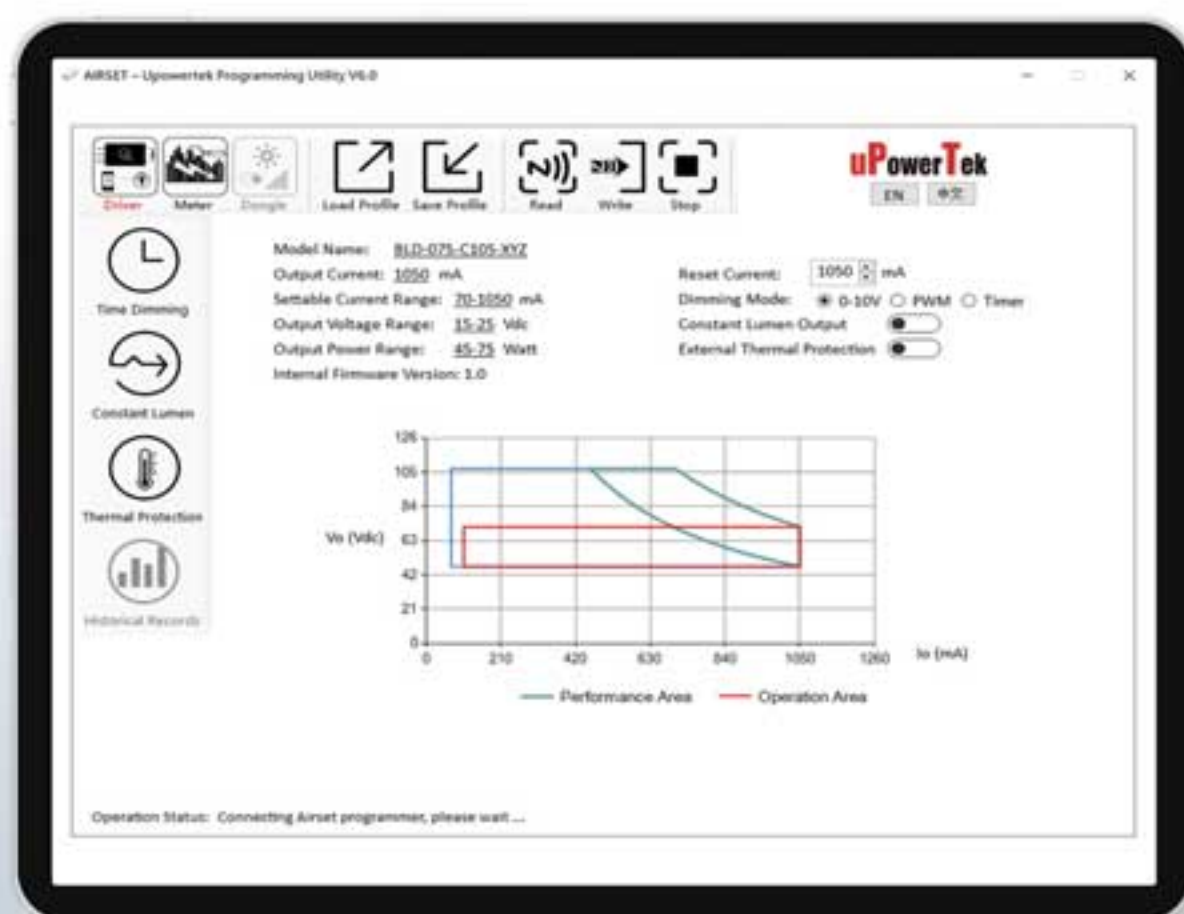
NFC Progrmmer

D4i LED Driver

-  Input voltage: 90-305Vac or 127-420Vdc, 380Vac for 2 hours
-  IEC62386-101, 102, 150, 207, 250, 251, 252, 253
-  Dim Off with 0.5W Standby Power
-  ±1% Energy Report Accuracy
-  Integrated 16Vdc Bus Power Supply
-  24V 3W (10W Transient Peak) Aux-Power
-  -60DegC Cold Ambient Startup (Optional)



Model Number	Input Voltage Range / Vac	Output Power Watt	Output Current mA	Certification	Dimension (L*W*H)mm
BLD-060-C	120 - 277	60	700 - 2100	UL/FCC/CB/ENE/CE/RCM	132*68*38.5
BLD-075-C	120 - 277	75	500 - 2800	UL/FCC/CB/ENE/CE/RCM	132*68*38.5
BLD-096-C	120 - 277	96	500 - 2800	UL/FCC/CB/ENE/CE/RCM	132*68*38.5
BLD-120-C	200 - 277	120	700 - 3800	UL/FCC/CB/ENE/CE/RCM	132*68*38.5
BLD-150-C	120 - 277	150	700 - 6300	UL/FCC/CB/ENE/CE/RCM	161*67.5*33.5
APD-025-C	200 - 240	25	450 - 700	ENEC/CB/EL/CE/RCM	133*77*40
APD-040-C	200 - 240	40	700 - 1050	ENEC/CB/EL/CE/RCM	133*77*40
APD-075-C	200 - 240	75	650 - 1050	ENEC/CB/EL/CE/RCM	133*77*40
APD-110-C	200 - 240	110	500 - 1050	ENEC/CB/EL/CE/RCM	133*77*40
APD-165-C	200 - 240	165	630 - 1050	ENEC/CB/EL/CE/RCM	150*90*40
APD-200-C	200 - 240	200	900 - 1400	ENEC/CB/EL/CE/RCM	150*90*40

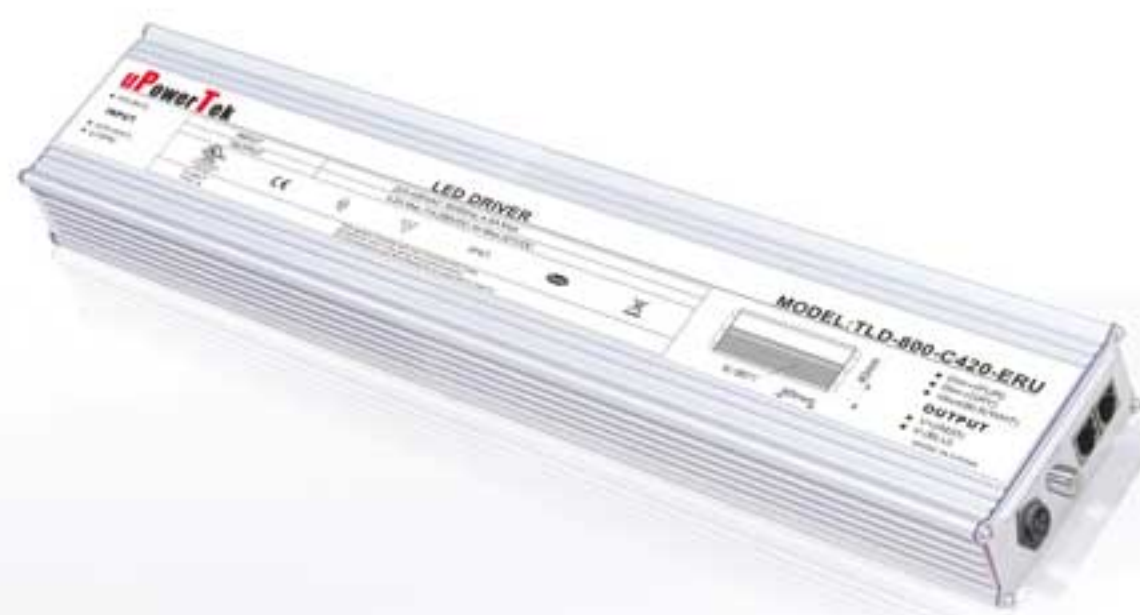


Programming by computer



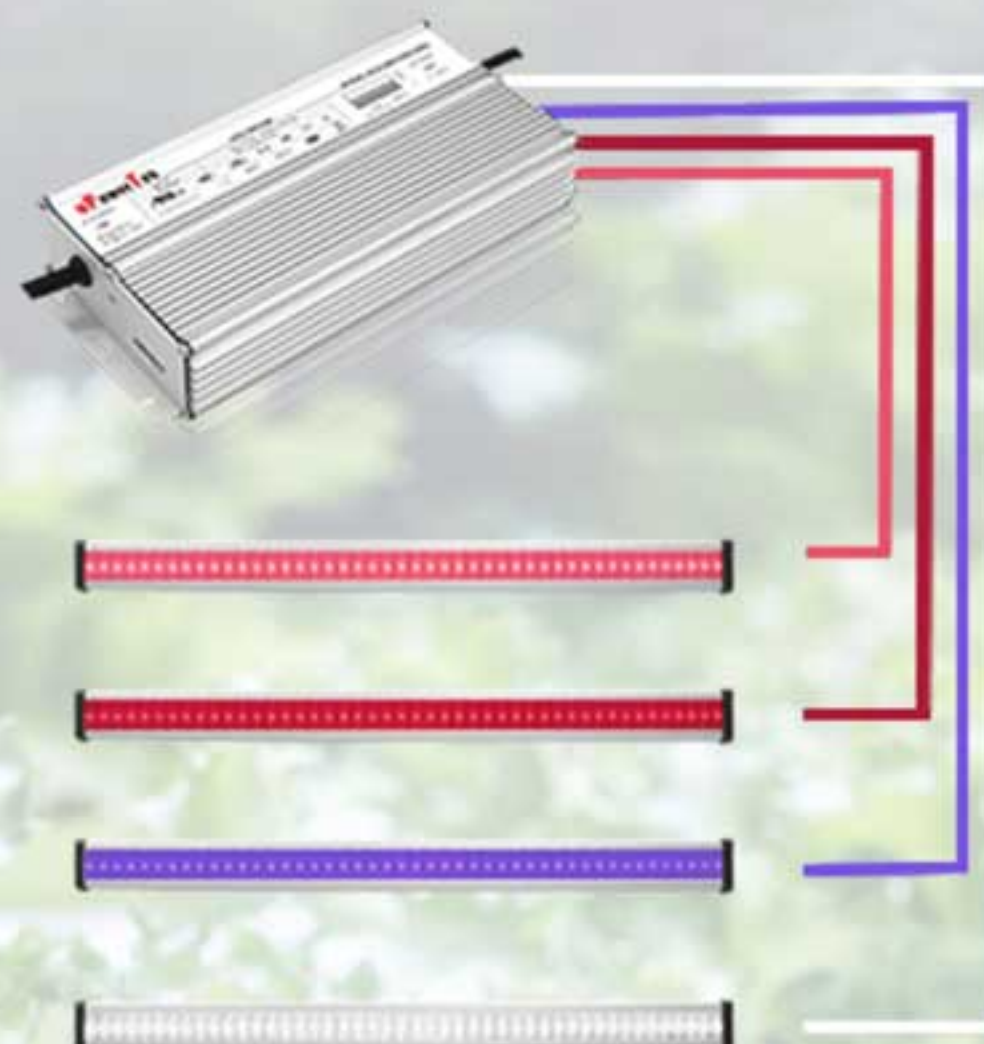
Programming by cellphone

Tunable Spectrum LED Driver



Model Number	Input Voltage Range / Vac	Output Power Watt	Certification	Output Current Range / A	Dimension (L*W*H)mm
BLD-400-abcdTS	120 - 277	400	UL/ENEC/CB/CE/FCC/RCM	1.95 - 9.9	224*90*41.5
BLD-500-abcdTS	120 - 277	500	UL/ENEC/CB/CE/FCC/RCM	1.95 - 11	224*90*41.5
BLD-610-abcdTS	120 - 277	610	UL/ENEC/CB/CE/FCC/RCM	1.95 - 14	336*90*41.5
BLD-710-abcdTS	120 - 277	710	UL/ENEC/CB/CE/FCC/RCM	1.95 - 16	336*90*41.5
BLD-810-abcdTS	120 - 277	810	UL/ENEC/CB/CE/FCC/RCM	1.95 - 18	336*90*41.5
BLD-1K1-abcdTS	120 - 277	1000	UL/ENEC/CB/CE/FCC/RCM	1.95 - 21	336*90*41.5

- Supply Voltage: 90-305Vac/180-528Vac
- 96% Efficiency Max.
- Low Inrush Current
- Ground Wire at Output Connector
- Power Transfer Function (optional)
- +/-2% Output Current Accuracy
- 0-10V or PWM
- Class II Model Available
- Safety according to EN 61347-1,61347-2-13, 623847



uPowerTek Products for Grow Light



Suffix	Input	Output	Dimming Interface	Daisy Chain	Manual Adjustment	Master Mode	12Vaux	IP
#NNRK00	Wire	Wire	RJ12	Passive	Knob	No	Yes	20
#FFRK00	M19 Connector	M19 Connector	RJ12	Passive	Knob	No	Yes	20
#PFRK00	C14 Plug	M19 Connector	RJ12	Passive	Knob	No	Yes	20
#FFFK00	M19 Connector	M19 Connector	M12 Connector	Passive	Knob	No	Yes	54
#NNRND0	Wire	Wire	RJ12	Active	No	No	No	20
#FFRND0	M19 Connector	M19 Connector	RJ12	Active	No	No	No	20
#PFRND0	C14 Plug	M19 Connector	RJ12	Active	No	No	No	20
#FFFND0	M19 Connector	M19 Connector	M12 Connector	Active	No	No	No	54
#NNRNOP	Wire	Wire	RJ12	Passive	Pressing Button	Yes	No	20
#FFRNOP	M19 Connector	M19 Connector	RJ12	Passive	Pressing Button	Yes	No	20
#PFRNOP	C14 Plug	M19 Connector	RJ12	Passive	Pressing Button	Yes	No	20
#FFFNOP	M19 Connector	M19 Connector	M12 Connector	Passive	Pressing Button	Yes	No	67

Product naming rules

Item	Value Definition	Description
Input	a	F:M19 connectors, P:C14 plug, N:Wire
Output	b	F:M19 connectors, N:Wire
Dimming	c	F:M12 connectors, R:RJ12x2 S:3.5mmMultimedia interface, N:Wire
Knob	d	K:Knob with steps , B:Knob without steps, N: No knob
Active Daisy Chain	e	D:Active cascading, N or 0:NO
Button	f	P:Button and host function, N or 0:NO

Constant Voltage LED Driver

-  10kV Surge Protection
-  PWM Output Frequency > 1kHz
-  2% Min. Dimming Level/ 0.5W Standby Power
-  12V 300mA Auxiliary Power
-  Class II Model Available
-  IP67 Waterproof
-  0-10V/PWM/DALI/DMX Dimming



Model Number	Input Voltage Range / Vac	Output Power Watt	Output Voltage Vdc	Certification	Dimension (L*W*H)mm
BLD-060	120 - 277	60	12/24/36/48	UL/ENEC/CB/CE/FCC	131*68*33.5
BLD-075	120 - 277	75	12/24/36/48	UL/ENEC/CB/CE/FCC	131*68*33.5
BLD-096	120 - 277	96	12/24/36/48	UL/ENEC/CB/CE/FCC	161*68*33.5
BLD-096-NV	200 - 277	96	12/24/36/48	UL/ENEC/CB/CE/FCC	131*68*33.5
BLD-120	120 - 277	120	12/24/36/48	UL/ENEC/CB/CE/FCC	161*68*33.5
BLD-120-NV	200 - 277	120	12/24/36/48	UL/ENEC/CB/CE/FCC	131*68*33.5
BLD-150	120 - 277	150	12/24/36/48	UL/ENEC/CB/CE/FCC	161*68*33.5
BLD-200	120 - 277	200	12/24/36/48	UL/ENEC/CB/CE/FCC	174*68*38.5
BLD-240	120 - 277	240	12/24/36/48	UL/ENEC/CB/CE/FCC	216*68*33.5
BLD-320	120 - 277	320	12/24/36/48	UL/ENEC/CB/CE/FCC	225*68*38.5
BLD-350	120 - 277	350	12/24/36/48	UL/ENEC/CB/CE/FCC	225*68*38.5
BLD-400	120 - 277	400	12/24/36/48	UL/ENEC/CB/CE/FCC	224*90*41.5
BLD-500	200 - 277	500	24/36/48	UL/ENEC/CB/CE/FCC	224*90*41.5
BLD-600	120 - 277	600	24/36/48	UL/ENEC/CB/CE/FCC	237*125*49
BLD-800	120 - 277	800	24/36/48	UL/ENEC/CB/CE/FCC	237*125*49

uPowerTek

Founded in 2016, uPowerTek is a Sino-US joint venture state-level high-tech enterprise. The company's core team is a group of senior engineers who have been deeply involved in the lighting and switching power supply industry for many years. Through continuous research and development, more than 50 patents and intellectual property rights have been accumulated in just a few years. uPowerTek is committed to providing sales services and technical support to customers around the world through the development and production of high-quality intelligent LED terminal solutions and high-power LED drivers. The company always takes product quality and reliability as its first choice, and continues to introduce new products such as 800W-1500W high power density LED driver, NFC programmable LED driver, DALI-2 LED driver and extreme temperature specialty LED driver to win the market and customer's favor.



R&D Team

The core team members of Upowertek are from leading companies in the industry such as Philips, Delta and Inventronics. The main members are graduated from Zhejiang University in Power Electronics. Every year, the company's R&D investment accounts for more than 10% of the total revenue. It is committed to continuous innovation and gains market by bringing valuable products to customers in the fierce market competition.



• DALI Probit



• EMI Test



• 10kV 5kA Surge Test



• -60°C and 70°C test

Factory Tour

The production site consists of 2 floors with over 8000m² where top brand SMT with SPI, wave soldering machine and AOI system are utilized to make sure of great soldering quality. And the final products are 100% 4 hour aged and tested with auto-test machine. The test data can be tracked on the cloud.



Global Contacts

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