

Driving the Lighting Revolution

LED DRIVER CATALOGUE



COMPANY PROFILE

Headquartered in Hangzhou, China, Inventronics is a Sino-US world class enterprise specialized in the design, manufacture, marketing & sales of high power LED drivers and high power AC adapters.

Our team is composed of veteran engineers and executive staff with over 10 years' experience in the field. The founder and CEO of Inventronics, Dr. Gary Hua, is a renowned expert in the global power electronics arena. He has received his Ph.D. from the Center for Power Electronics System (CPES) in Virginia Tech in 1994 & served as Research Associate and Scientist in CPES for 5 years, with over 60 papers published on international magazines and conference proceedings, and 17 US Patents awarded. Dr. Hua is a co-founder & former VP of Engineering of VPT Inc., Which is now one of the largest military/aerospace power companies in the world. He is also the founder of Bel Power (Hangzhou) Co., Ltd., now a wholly-owned affiliate of the NASDAQ-listed Bel Fuse Inc.

Employing proprietary cutting-edge circuit design and packaging technologies, our high power LED drivers feature ultra high efficiency (up to 95%), high power factor (0.99), high reliability, and long life. They are ideal for outdoor and industrial lighting applications including LED streetlights and tunnel lights. Our products comply with worldwide safety and EMC requirements and come with optional lightning proof (IEC-61000-4-5 Class 4) and waterproof (per IP67 standard) features.

We have ISO9001 (Quality System) certified manufacturing facilities in Hangzhou, China. The production capacity is about 200K per month. Quality, Innovation, and Service are our strong commitments to our customers.

Inventronics products are designed to power your world with magically optimized performance. Any inquiries on our products or custom design requirements are welcome!



China Pavilion, Shanghai World Expo



Olympic Winter Games Venues of Vancouver



Intime Shopping Centre



Chongqing Grand Theatre



Tsingtao Great Transoceanic Bridge, China



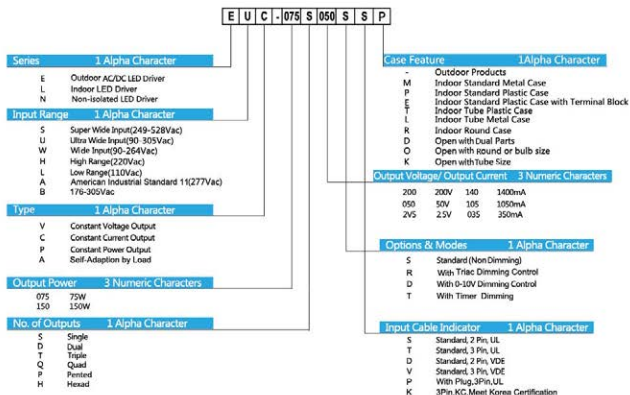
Wadi Bridge Amman Jordan

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► Features

- Support Customized Output Current
- Constant Current Output
- High Efficiency (Up to 75%)
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection

► Applications

- Bulb light

Electrical Properties

Input Voltage	176~264Vac
Input Frequency	47~53 Hz
Power Factor	0.45@220Vac
Input AC Current	0.06A(max.)@220Vac
Efficiency	75%(typ.)@220Vac(full load)
Max. Output Power	3.5W
Output Current Tolerance	Open lamp protection,SCP
Line Regulation	±2.5%
Load Regulation	±2.5%
Turn-on Delay Time	<1s@220Vac
Protection Functions	OLP, SCP, open lamp protection

Environmental Specifications

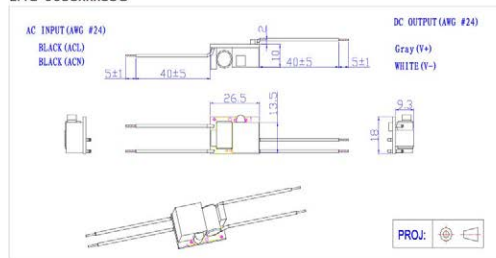
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Ta=50°C
Dimensions (LxWxH)	26.5 x 18 x 13.5 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
			220VAC
LHC-003S030SSO	300 mA	8~11 Vdc	75%
LHC-003S032SSO	320 mA	8~11 Vdc	75%

► Mechanical Outline (unit:mm)

LHC-003SxxxSSO





► Features

- Constant Current Output
- High Efficiency (Up to 84%)
- Non-isolated Output
- All-Round Protection: OVP and Open Lamp Protection
- Comply with CE safety Standards

► Applications

- Bulb Light

Electrical Properties	
Input Voltage	176~264 Vac
Input Frequency	47~53 Hz
Power Factor	0.42@220Vac
Input AC Current	0.35A(max.)@220Vac
Efficiency	84%(typ.)@220Vac(full load)
Max. Output Power	4.32W
Output Current Tolerance	±20%
Line Regulation	±10%
Load Regulation	±10%
Turn-on Delay Time	<1s@220Vac
Protection Functions	Open lamp protection,OVP

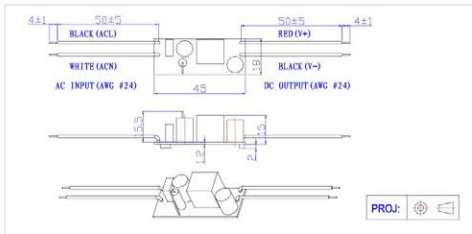
Environmental Specifications	
Operating Temperature	-10~75°C
Storage Temperature	-10~80°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	1,000,000 hours Ta=25°C
Life Time	11,000 hours Ta=70°C
Dimensions (L×W×H)	45×18×18 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
NHC-005S012SSO	120 mA	26~36 Vdc	220VAC 84%

► Mechanical Outline (unit:mm)

NHC-005S012SSO





► Features

- Support Customized Output Current
- Constant Current Output
- High Efficiency (Up to 81%)
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection
- Comply with CE,CQC Safety Standards

► Applications

- Downlights

Electrical Properties

Input Voltage	176~264 Vac
Input Frequency	47~53 Hz
Power Factor	0.91@220Vac
Input AC Current	0.04A(max.)@220Vac
Efficiency	81%(typ.)@220Vac(full load)
Max. Output Power	6.0W
Output Current Tolerance	±10%
Line Regulation	±2.5%
Load Regulation	±5%
Turn-on Delay Time	<1s@220Vac
Protection Functions	Open lamp protection,SCP,OLP

Environmental Specifications

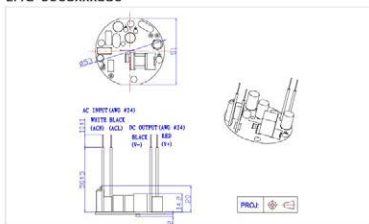
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=45°C
Dimensions (D×H)	53×25 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
			220VAC
LHC-006S018SS0	180 mA	20~32 Vdc	81%
LHC-006S030SS0	300 mA	12~20 Vdc	81%

► Mechanical Outline (unit:mm)

LHC-006SxxxSS0





► Features

- Support Customized Output Current
- Constant Current Output
- High Efficiency (Up to 86%)
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection
- Comply with CE, CQC Safety Standards

► Applications

- Downlights

Electrical Properties

Input Voltage	176~264 Vac
Input Frequency	47~53 Hz
Power Factor	0.91@220Vac
Input AC Current	0.1A(max.)@220Vac
Efficiency	86%(typ.)@220Vac(full load)
Max. Output Power	15.6W
Output Current Tolerance	±10%
Line Regulation	±2.5%
Load Regulation	±3.5%
Turn-on Delay Time	<1s@220Vac
Protection Functions	Open lamp protection, SCP, OLP

Environmental Specifications

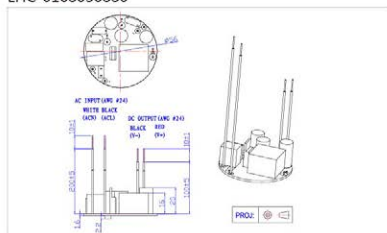
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	30,000 hours Ta=45°C
Dimensions (D×H)	56×25 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
LHC-016S030SS0	300 mA	36~52 Vdc	86%

► Mechanical Outline (unit:mm)

LHC-016S030SS0





► Features

- Support Customized Output Current
- Constant Current Output
- High Efficiency (Up to 94%)
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection
- Non-isolated Output
- Comply with CE safety Standards

► Applications

- Tube lights driver

Electrical Properties

Input Voltage	176~264 Vac
Input Frequency	47~53 Hz
Power Factor	0.95@220Vac
Input AC Current	0.05~0.11A(max.)@220Vac
Efficiency	94%(typ.)@220Vac(full load)
Max. Output Power	8~18W
Output Current Tolerance	±10%
Line Regulation	±3.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1s@220Vac
Protection Functions	Open lamp protection, SCP, OLP

Environmental Specifications

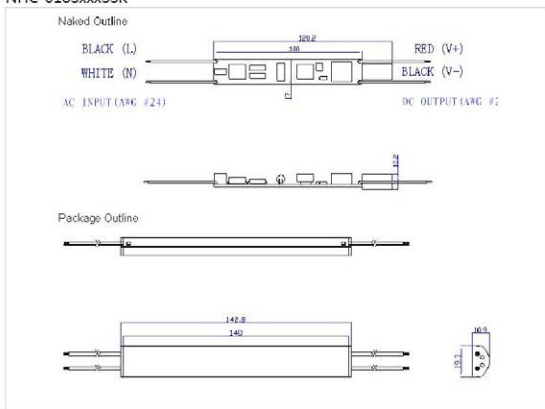
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Ta=45°C
Dimensions (L×W×H)	126.2×2×17 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
			220VAC
NHC-008S017SSK	175 mA	30~50Vdc	92%
NHC-012S012SSK	120 mA	50~80Vdc	93%
NHC-015S016SSK	160 mA	50~80Vdc	94%
NHC-016S035SSK	350 mA	30~50Vdc	91%
NHC-018S020SSK	200 mA	50~80Vdc	94%
NHC-018S022SSK	220 mA	50~80Vdc	94%
NHC-018S024SSK	240 mA	50~80Vdc	94%
NHC-018S030SSK	300 mA	36~64Vdc	92%

► Mechanical Outline (unit:mm)

NHC-018SxxxSSK



Indoor Open Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor Multi-channel
Constant Current





Electrical Properties

Input Voltage	176~264 Vac
Input Frequency	47~53 Hz
Power Factor	0.91@220Vac
Input AC Current	0.08~0.12A(max.)@220Vac
Efficiency	86%(typ.)@220Vac(full load)
Max. Output Power	12~20W
Output Current Tolerance	±10%
Line Regulation	±2.5%
Load Regulation	±3.5%
Turn-on Delay Time	<1s@220Vac
Protection Functions	Open lamp protection,SCP,OLP

► Features

- Support Customized Output Current
- Constant Current Output
- High Efficiency (Up to 86%)
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection
- Comply with CE,CQC Safety Standards

► Applications

- Downlights

Environmental Specifications

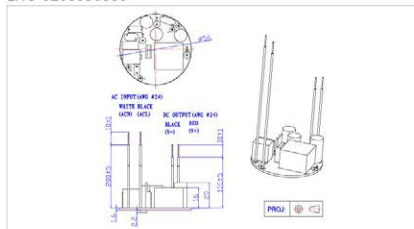
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	30,000 hours Ta=45°C
Dimensions (D×H)	56×25 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
LHC-012S024SS0	240 mA	32~48 Vdc	86%
LHC-012S030SS0	300 mA	26~38 Vdc	86%
LHC-016S030SS0	300 mA	36~52 Vdc	86%
LHC-020S030SS0	300 mA	44~68 Vdc	86%

► Mechanical Outline (unit:mm)

LHC-020S030SS0



Indoor Open Frame
Constant Current

Indoor Built-in
Constant Current

Outdoor Built-in
Constant Voltage

Outdoor Bridge-external
Constant Current

Outdoor Bridge-external
Constant Voltage

Outdoor Bridge-external
Constant Current

Indoor Built-in
Constant Voltage



Input Voltage	176~264 Vac
Input Frequency	47~53 Hz
Power Factor	0.95@220Vac
Input AC Current	0.15A(max.)@220Vac
Efficiency	93%(typ.)@220Vac(full load)
Max. Output Power	8~27W
Output Current Tolerance	±10%
Line Regulation	±2.5%
Load Regulation	±2.5%
Turn-on Delay Time	<1s@220Vac
Protection Functions	Open lamp protection,SCP,OVP

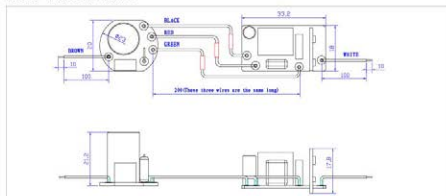
- Support Customized Output Current
- Constant Current Output
- High Efficiency (Up to 93%)
- Active Power Factor Correction
- All-Round Protection: OVP, SCP and Open Lamp Protection
- Non-isolated Output

- Tube lights two-end driver

Operating Temperature	-10~70°C
Storage Temperature	20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	25,000 hours Ta=70°C
Dimensions (L×W×H)	(33.5×18.5×20.5)+ (23.5×20.5×25) (mm)

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
			220VAC
NHC-008S010SSD	100 mA	51~85 Vdc	90%
NHC-012S018SSD	180 mA	51~85 Vdc	92%
NHC-012S024SSD	240 mA	30~50 Vdc	92%
NHC-015S020SSD	200 mA	51~85 Vdc	93%
NHC-018S021SSD	210 mA	51~85 Vdc	93%
NHC-020S025SSD	240 mA	50~80 Vdc	93%
NHC-025S027SSD	270 mA	51~85 Vdc	93%
NHC-027S030SSD	300 mA	50~80 Vdc	93%

NHC-020S024SSD





► Features

- Support Customized Output Current
- Constant Current Output
- High Efficiency (Up to 94%)
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection
- Non-isolated Output
- Comply with CE Safety Standards

► Applications

- Tube lights driver

Electrical Properties

Input Voltage	176~264 Vac
Input Frequency	47~53 Hz
Power Factor	0.95@220Vac
Input AC Current	0.16A(max.)@220Vac
Efficiency	94%(typ.)@220Vac(full load)
Max. Output Power	24W
Output Current Tolerance	±10%
Line Regulation	±2.5%
Load Regulation	±2.5%
Turn-on Delay Time	<1s@220Vac
Protection Functions	Open lamp protection,SCP,OLP

Environmental Specifications

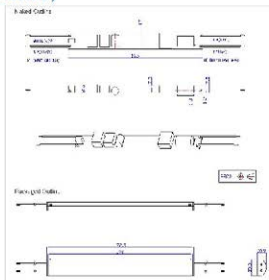
Operating Temperature	-30~70°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	165×17.5×10.5 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
NHC-024S024SSK	240 mA	50-80 Vdc	220VAC 94%
NHC-024S030SSK	300 mA	50-80 Vdc	93%

► Mechanical Outline (unit:mm)

NHC-024SxxxSSK



Indoor Open Frame
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-terminal
Constant Current

Outdoor Single-terminal
Constant Voltage

Outdoor Two-terminal
Constant Current

Indoor Two-terminal
Constant Voltage



► Features

- Support Customized Output Current
- Constant Current Output
- High Efficiency (Up to 94%)
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection
- Non-isolated Output

► Applications

- Tube light

Electrical Properties

Input Voltage	176~264 Vac
Input Frequency	47~53 Hz
Power Factor	0.95@220Vac
Input AC Current	0.16A(max.)@220Vac
Efficiency	94%(typ.)@220Vac(full load)
Max. Output Power	28W
Output Current Tolerance	±10%
Line Regulation	±2.5%
Load Regulation	±2.5%
Turn-on Delay Time	<1s@220Vac
Protection Functions	No-load voltage,SCP

Environmental Specifications

Operating Temperature	-30~70°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	153×17.5×10.5 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
			220VAC
NHC-028S024SSK	240 mA	70-120 Vdc	94%



► Features

- High Efficiency (Up to 81%)
- Single Channel Output
- Active Power Factor Correction (0.75 Typical)
- Constant Current Output
- Lightning Protection
- All-Round Protection: SCP, OVP, OLP
- Comply With EN61347 & CQC3128-2010 Safety Regulations

► Applications

- Downlights, Panel Lights, Tube Lights

Electrical Properties

Input Voltage	176~264 Vac
Input Frequency	47~53 Hz
Power Factor	0.75@220Vac
Input AC Current	0.08A(max.)@220Vac
Efficiency	81%(typ.)@220Vac(full load)
Max. Output Power	6.8W
Output Current Tolerance	±5%
Line Regulation	±2.5%
Load Regulation	±2.5%
Turn-on Delay Time	<0.5s@220Vac
Protection Functions	OVP, SCP, OLP

Environmental Specifications

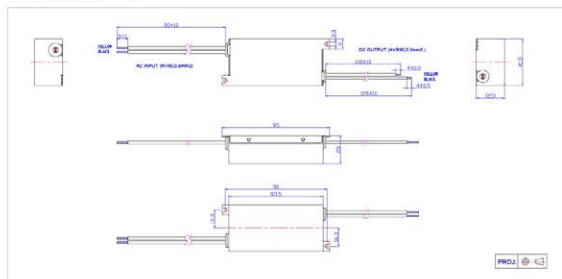
Operating Temperature	-10~60°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	85×32×25 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
LHC-007S020SSM	200 mA	17~34 Vdc	220VAC 81%

► Mechanical Outline (unit:mm)

LHC-007S020SSM



Indoor Open Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor Multi-channel
Constant Voltage



► Features

- Constant Current Output
- 0~10V Dimmable (Compatible with Passive Dimmers)
- High Efficiency
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection
- Comply with UL, CE, FCC Safety Standards

► Applications

- Downlights, Panel Lights, Tube Lights

Electrical Properties	
Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.98@120Vac, 0.90@277Vac
Input AC Current	0.15A(max.)@120Vac
Efficiency	80%(typ.)@120Vac(full load), 82%(typ.)@277Vac(full load)
Max. Output Power	11W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1s@120Vac
Protection Functions	Open lamp protection, SCP, OLP

Environmental Specifications	
Operating Temperature	-20~70°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	83.5×41.5×25 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
LUC-010S03SSSM	350 mA	—	14~ 29 Vdc	120VAC	277VAC
LUC-010S05SSSM	500 mA	—	10~ 20 Vdc	80%	82%
LUC-010S07SSSM	700 mA	—	8~ 16 Vdc	79%	81%
LUC-010S03SDSM	350 mA	0-10V	14~ 29 Vdc	80%	82%
LUC-010S05SDSM	500 mA	0-10V	10~ 20 Vdc	79%	81%
LUC-010S07SDSM	700 mA	0-10V	8~ 16 Vdc	79%	81%



► Features

- Constant Current Output
- 0-10V Dimmable (Compatible with Passive Dimmers)
- High Efficiency
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection
- Comply with UL, CE, FCC Safety Standards

► Applications

- Downlights, Panel Lights, Tube Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.98@120Vac, 0.90@277Vac
Input AC Current	0.18A(max.)@120Vac
Efficiency	80%(typ.)@120Vac(full load), 82%(typ.)@277Vac(full load)
Max. Output Power	12W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1s@120Vac
Protection Functions	Open lamp protection, SCP

Environmental Specifications

Operating Temperature	-20~70°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	83.5×41.5×25 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				120VAC	277VAC
LUC-012S035SSM	350 mA	-	17~ 34 Vdc	80%	82%
LUC-012S050SSM	500 mA	-	12~ 24 Vdc	79%	81%
LUC-012S070SSM	700 mA	-	9~ 17 Vdc	79%	81%
LUC-012S035DSM	350 mA	0-10V	17~ 34 Vdc	80%	82%
LUC-012S050DSM	500 mA	0-10V	12~ 24 Vdc	79%	81%
LUC-012S070DSM	700 mA	0-10V	9~ 17 Vdc	79%	81%



► Features

- Constant Current Output
- 0-10V Dimmable (Compatible with Passive Dimmers)
- High Efficiency
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection
- Comply with UL, CE, FCC, CQC, PSE, TUV, CB Safety Standards
- Class2 Output

► Applications

- Downlights, Panel Lights, Tube Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.98@120Vac, 0.90@277Vac
Input AC Current	0.18A(max.)@120Vac
Efficiency	80%(typ.)@120Vac(full load), 82%(typ.)@277Vac(full load)
Max. Output Power	12W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1s@120Vac
Protection Functions	Open Lamp Protection, SCP, OLP

Environmental Specifications

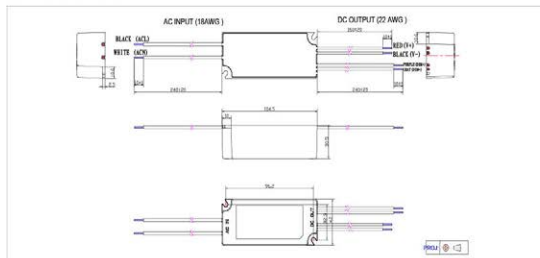
Operating Temperature	-20~70°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	104.5×42×30.5 (mm)

► Model Specification

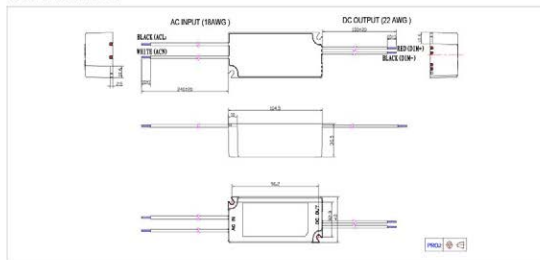
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
LUC-012S03SSSP	350 mA	-	17~ 34 Vdc	120VAC	277VAC
LUC-012S05OSSP	500 mA	-	12~ 24 Vdc	80%	82%
LUC-012S07OSSP	700 mA	-	9~ 17 Vdc	79%	81%
LUC-012S03SDSP	350 mA	0-10V	17~ 34 Vdc	80%	82%
LUC-012S05SDSP	500 mA	0-10V	12~ 24 Vdc	79%	81%
LUC-012S07SDSP	700 mA	0-10V	9~ 17 Vdc	79%	81%

► Mechanical Outline (unit:mm)

LUC-012SxxxDSP



LUC-012SxxxSSP



Indoor Open Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor Multi-channel
Constant Current



► Features

- Constant Current Output
- Leading Edge and Trailing Edge AC Dimmable
- High Efficiency
- Active Power Factor Correction (Up to 0.96)
- All-Round Protection: SCP and Open Lamp Protection
- Comply with UL, CE, FCC Safety Standards

► Applications

- Downlights, Panel Lights, Tube Lights

Electrical Properties

Input Voltage	90~132 Vac
Input Frequency	57~63 Hz
Power Factor	0.96@120Vac
Input AC Current	0.18A(max.)@120Vac
Efficiency	78%(typ.)@120Vac(full load)
Max. Output Power	12W
Output Current Tolerance	±5%
Line Regulation	±1%@120Vac
Load Regulation	±2.5%@120Vac
Turn-on Delay Time	<1s@120Vac
Protection Functions	Open lamp protection, SCP

Environmental Specifications

Operating Temperature	-20~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	105×42×31 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency
LLC-012S035RSP	350 mA	TRIAC Dimming	17~ 34 Vdc	78%
LLC-012S050RSP	500 mA	TRIAC Dimming	12~ 24 Vdc	77%
LLC-012S070RSP	700 mA	TRIAC Dimming	9~ 17 Vdc	77%



► Features

- Constant Current Output
- High Efficiency (Up to 81%)
- Power Factor Correction (0.92 Typical)
- All-Round Protection: SCP, OVP, and Open Lamp Protection
- Comply With UL8750 Safety Regulations

► Applications

- Downlights, panel lights, tube lights

Electrical Properties

Input Voltage	90~132 Vac
Input Frequency	57~63 Hz
Power Factor	0.92@120Vac
Input AC Current	0.21A(max.)@120Vac
Efficiency	81%(typ.)@120Vac(full load)
Max. Output Power	15W
Output Current Tolerance	±10%
Line Regulation	±2.5%
Load Regulation	±3.0%
Turn-on Delay Time	<1s@120Vac
Protection Functions	OVP, SCP, open lamp protection

Environmental Specifications

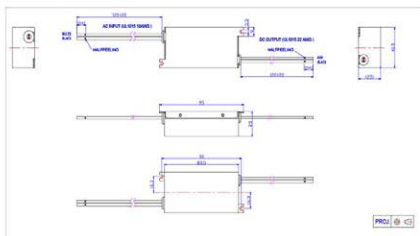
Operating Temperature	-20~60°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	95×41.5×25 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
LLC-015S046SSM	460 mA	15~30 Vdc	220VAC 81%

► Mechanical Outline (unit:mm)

NHC-028S024SSK





► Features

- Constant Current Output
- Support Customized Output Current
- High Efficiency (Up to 86%)
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection
- Comply with UL,CE,FCC,CQC,PSE,TUV,CB Safety Standards

► Applications

- Downlights, Panel Lights, Tube Lights

Electrical Properties

Input Voltage	90~264 Vac
Input Frequency	47~63 Hz
Power Factor	0.95@220Vac
Input AC Current	0.32A(max.)@220Vac
Efficiency	86%(typ.)@220Vac(full load)
Max. Output Power	18W
Output Current Tolerance	±10%
Line Regulation	±2.5%
Load Regulation	±2.5%
Turn-on Delay Time	<1s@120Vac
Protection Functions	Open lamp protection,SCP,OLP

Environmental Specifications

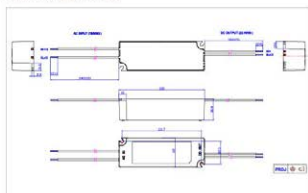
Operating Temperature	-20~70°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	20×42×30.5 (mm) 135×42×30.5 (mm)

► Model Specification

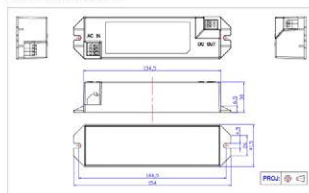
Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
LWC-018S035SSP (SSE)	350 mA	26~51 Vdc	86%
LWC-018S050SSP (SSE)	500 mA	18~36 Vdc	85%
LWC-018S070SSP (SSE)	700 mA	13~26 Vdc	84%
LWC-018S105SSP (SSE)	1050 mA	9~17 Vdc	83%

► Mechanical Outline (unit:mm)

LWC-018SxxxSSP



LWC-018SxxxSSE





► Features

- Constant Current Output
- 0-10V Dimmable (Compatible with Passive Dimmers)
- High Efficiency
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection
- Comply with UL, CE, FCC, TUV, CB Safety Standards

► Applications

- Downlights, Panel Lights, Tube Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.94@220Vac
Input AC Current	0.12A(max.)@220Vac
Efficiency	85%(typ.)@220Vac(full load)
Max. Output Power	18W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1s@120Vac
Protection Functions	Open lamp protection, SCP, OLP

Environmental Specifications

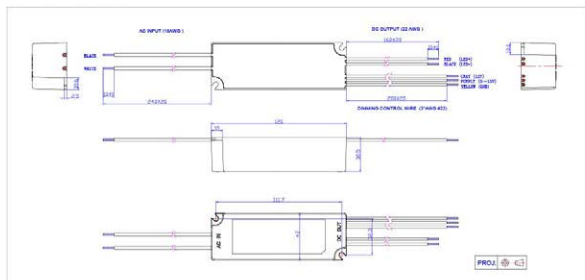
Operating Temperature	-20~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	230,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	120×42×30.5 (mm)

► Model Specification

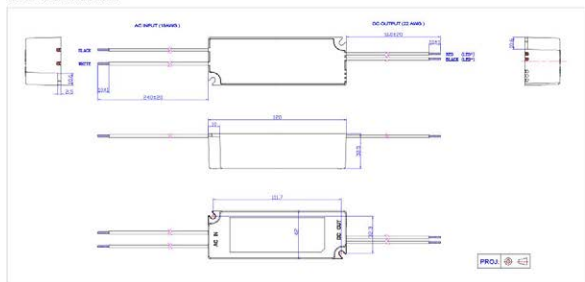
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency
LUC-018S03SDSP	350 mA	0-10V	31~ 51 Vdc	220VAC 85%
LUC-018S050DSP	500 mA	0-10V	22~ 36 Vdc	85%
LUC-018S070DSP	700 mA	0-10V	16~ 26 Vdc	84%
LUC-018S105DSP	1050 mA	0-10V	10~ 17 Vdc	82%
LUC-018S03SDSP	350 mA	-	31~ 51 Vdc	85%
LUC-018S050DSP	500 mA	-	22~ 36 Vdc	85%
LUC-018S070DSP	700 mA	-	16~ 26 Vdc	84%
LUC-018S105DSP	1050 mA	-	10~ 17 Vdc	82%

► Mechanical Outline (unit:mm)

LUC-018SxxxDSP



LUC-018SxxxSSP



Indoor Open Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor
Constant Current



► Features

- Support Customized Output Current
- Constant Current Output
- High Efficiency (Up to 93%)
- Active Power Factor Correction
- All-Round Protection: OLP, SCP, Open Lamp Protection
- Non-isolated Output
- Comply with CE Safety Standard

► Applications

- Downlights, Panel Lights, Tube Lights

Electrical Properties

Input Voltage	176~264 Vac
Input Frequency	47~53 Hz
Power Factor	0.92@220Vac
Input AC Current	0.15A(max.)@220Vac
Efficiency	93%(typ.)@220Vac(full load)
Max. Output Power	18W
Output Current Tolerance	±10%
Line Regulation	±2.5%
Load Regulation	±2.5%
Turn-on Delay Time	<1s@220Vac
Protection Functions	OLP, SCP, Open Lamp Protection

Environmental Specifications

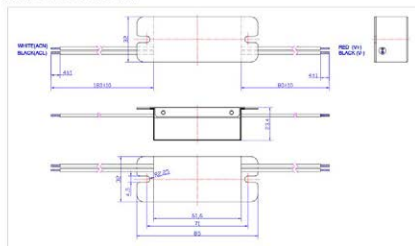
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	62×32×24 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
NHC-018S012SSM	120 mA	100~150 Vdc	220VAC 93%

► Mechanical Outline (unit:mm)

NHC-018S012SSM





► Features

- High Efficiency (Up to 85%)
- Active Power Factor Correction (Typical 0.95)
- Constant Output Current
- Waterproof (IP66)
- Dimming Control
- Comply With UL, CE Safety Regulations
- Comply With ANSI/IEEE C62.41, Class A Operation

► Applications

- Downlights, Panel Lights, Mining Lights

Electrical Properties

Input Voltage	176~264 Vac
Input Frequency	47~63 Hz
Power Factor	0.95@220Vac
Input AC Current	0.25A(max.)@220Vac
Efficiency	85%(typ.)@220Vac(full load)
Max. Output Power	24W
Output Current Tolerance	±5%
Line Regulation	±1.5%
Load Regulation	±2.5%
Turn-on Delay Time	<1s@120Vac
Protection Functions	OVP, SCP

Environmental Specifications

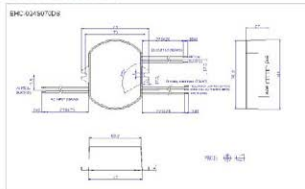
Operating Temperature	-20~65°C
Storage Temperature	-40~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	580,000 hours Ta=25°C
Life Time	87,000 hours Tc=60°C
Dimensions (L×W×H)	78×80×27 (mm)

► Model Specification

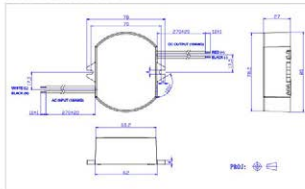
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency
EHC-024S070DS	700 mA	0-10V	18~36 Vdc	85%
EHC-024S070PS			18~36 Vdc	85%

► Mechanical Outline (unit:mm)

EHC-024S070DS



EHC-024S070PS





► Features

- Support Customized Output Current
- Constant Current Output
- High Efficiency (Up to 86%)
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection
- Comply with UL, CE, FCC, CQC, PSE, TUV, CB Safety Standards

► Applications

- Downlights, Panel Lights, Tube Lights

Electrical Properties

Input Voltage	90~264 Vac
Input Frequency	47~63 Hz
Power Factor	0.95@220Vac
Input AC Current	0.32A(max.)@220Vac
Efficiency	86%(typ.)@220Vac(full load)
Max. Output Power	25.2W
Output Current Tolerance	±10%
Line Regulation	±2.5%
Load Regulation	±2.5%
Turn on Delay Time	<1s@120Vac
Protection Functions	Open lamp protection, SCP, OLP

Environmental Specifications

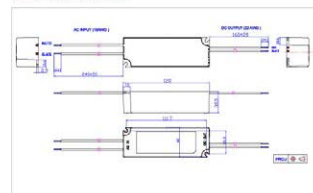
Operating Temperature	-20~70°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	120×42×30.5 (mm) 135×42×30.5 (mm)

► Model Specification

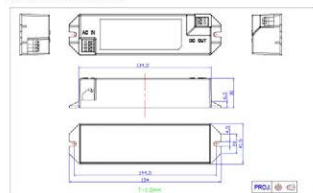
Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
LWC-024S03SSP (SSE)	350 mA	36~72 Vdc	86%
LWC-024S050SSP (SSE)	500 mA	24~48 Vdc	85%
LWC-024S070SSP (SSE)	700 mA	18~36 Vdc	84%
LWC-024S105SSP (SSE)	1050 mA	12~24 Vdc	83%

► Mechanical Outline (unit:mm)

LWC-024SxxxSSP



LWC-024SxxxSSE





► Features

- Leading Edge and Trailing Edge AC Dimmable
- Constant Current Output
- High Efficiency (Up to 85%)
- Active Power Factor Correction (Up to 0.95)
- All-Round Protection: OTP, SCP and OLP
- Comply with UL, CE, FCC Safety Standards

► Applications

- Downlights, Panel Lights, Tube Lights

Electrical Properties	
Input Voltage	90~132 Vac
Input Frequency	57~63 Hz
Power Factor	0.95@120Vac
Input AC Current	0.4A(max.)@100Vac
Efficiency	85%(typ.)@120Vac(full load)
Max. Output Power	24W
Output Current Tolerance	±5%
Line Regulation	±1.0%
Load Regulation	±2.5%
Turn-on Delay Time	<1s@120Vac
Protection Functions	OLP, SCP, OTP

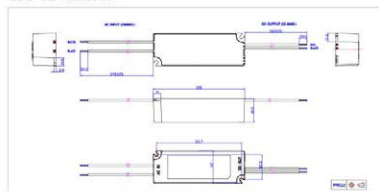
Environmental Specifications	
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	120×42×30.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency
LLC-024S035RSP	350 mA	TRIAC Dimming	34~68 Vdc	85%
LLC-024S050RSP	500 mA	TRIAC Dimming	24~48 Vdc	85%
LLC-024S070RSP	700 mA	TRIAC Dimming	17~34 Vdc	84%
LLC-024S105RSP	1050 mA	TRIAC Dimming	12~23 Vdc	83%

► Mechanical Outline (unit:mm)

LLC-024SxxxRSP





► Features

- 0-10V Dimmable (Compatible with Passive Dimmers)
- Constant Current Output
- High Efficiency
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection
- Comply with UL,CE,FCC,TUV,CB Safety Standards

► Applications

- Downlights, Panel Lights, Tube Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.94@220Vac
Input AC Current	0.16A(max.)@220Vac
Efficiency	86%(typ.)@220Vac(full load)
Max. Output Power	25W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1s@120Vac
Protection Functions	Open lamp protection,SCP,OLP

Environmental Specifications

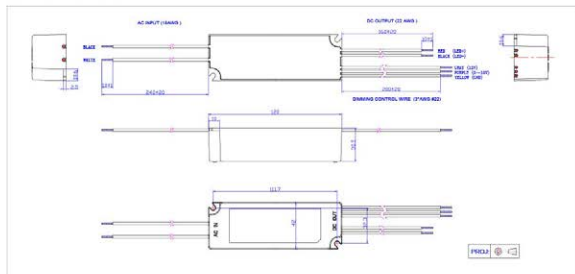
Operating Temperature	-20~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	290,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	120×42×30.5 (mm)

► Model Specification

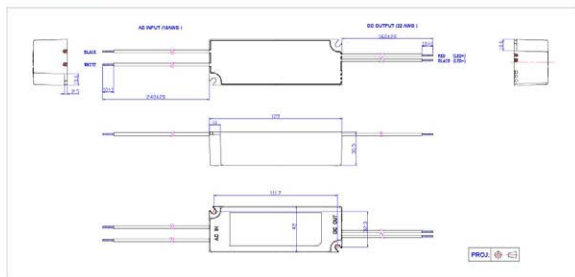
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency
LUC-024S03SDSP	350 mA	0-10V	44~72 Vdc	220VAC 86%
LUC-024S050DSP	500 mA	0-10V	29~48 Vdc	86%
LUC-024S070DSP	700 mA	0-10V	22~36 Vdc	85%
LUC-024S105DSP	1050 mA	0-10V	15~24 Vdc	84%
LUC-024S03SSSP	350 mA	-	44~72 Vdc	86%
LUC-024S050SSP	500 mA	-	29~48 Vdc	86%
LUC-024S070SSP	700 mA	-	22~36 Vdc	85%
LUC-024S105SSP	1050 mA	-	15~24 Vdc	84%

► Mechanical Outline (unit:mm)

LUC-024SxxxDSP



LUC-024SxxxSSP



Indoor Open Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Built-out
Constant Current

Outdoor Built-out
Constant Voltage

Outdoor Built-out
Constant Current

Indoor
Constant Voltage



► Features

- Leading Edge and Trailing Edge AC Dimmable
- Constant Current Output
- High Efficiency (Up to 84%)
- Active Power Factor Correction (Up to 0.95)
- All-Round Protection: OLP, SCP
- Comply with UL, CE, FCC Safety Standards

► Applications

- Downlights, Panel Lights, Tube Lights

Electrical Properties

Input Voltage	176~264 Vac
Input Frequency	47~53 Hz
Power Factor	0.95@220Vac
Input AC Current	0.2A(max.)@220Vac
Efficiency	84%(typ.)@220Vac(full load)
Max. Output Power	24W
Output Current Tolerance	±5%
Line Regulation	±1.0%
Load Regulation	±2.5%
Turn-on Delay Time	<1s@220Vac
Protection Functions	OLP, SCP

Environmental Specifications

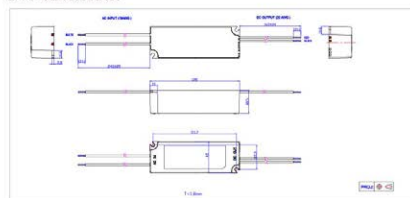
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	330,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	120×42×30.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency
LHC-024S035RSP	350 mA	TRIAC Dimming	34-68 Vdc	84%
LHC-024S050RSP	500 mA	TRIAC Dimming	24-48 Vdc	84%
LHC-024S070RSP	700 mA	TRIAC Dimming	17-34 Vdc	83%
LHC-024S105RSP	1050 mA	TRIAC Dimming	12-23 Vdc	82%

► Mechanical Outline (unit:mm)

LHC-024SxxxRSP





► Features

- High Efficiency (Up to 86%)
- Active Power Factor Correction (Typical 0.95)
- Constant Output Current
- Waterproof (IP66)
- Dimming control
- All-Round Protection: OVP, SCP, OLP
- Comply with UL, CE, FCC, CQC, PSE, TUV, CB Safety Regulations

► Applications

- Downlights, Panel Lights, Mining Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.96@110Vac, 0.95@220Vac
Input AC Current	0.4A(max.)@110Vac, 0.2A(max.)@220Vac
Efficiency	85%(typ.)@110Vac(full load), 86%(typ.)@220Vac(full load)
Max. Output Power	26W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.0s@110Vac, <0.5s@220Vac
Protection Functions	SVP, OVP, OLP

Environmental Specifications

Operating Temperature	-20~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	78×80×27 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-026S035PS	350 mA	-	38~75 Vdc	85%	86%
EUC-026S045PS	450 mA	-	29~58 Vdc	84%	85%
EUC-026S070PS	700 mA	-	19~37 Vdc	84%	85%
EUC-026S105PS	1050 mA	-	13~25 Vdc	83%	84%
EUC-026S140PS	1400 mA	-	10~19 Vdc	81%	82%
EUC-026S175PS	1750 mA	-	8~15 Vdc	81%	81%
EUC-026S035DS	350 mA	0-10V	38~75 Vdc	85%	86%
EUC-026S045DS	450 mA	0-10V	29~58 Vdc	84%	85%
EUC-026S070DS	700 mA	0-10V	19~37 Vdc	84%	85%
EUC-026S105DS	1050 mA	0-10V	13~25 Vdc	83%	84%
EUC-026S140DS	1400 mA	0-10V	10~19 Vdc	81%	82%
EUC-026S175DS	1750 mA	0-10V	8~15 Vdc	81%	81%



► Features

- Leading Edge and Trailing Edge AC Dimmable
- Constant Current Output
- High Efficiency (Up to 86%)
- Active Power Factor Correction (Up to 0.99)
- All-Round Protection: OTP, SCP and OLP
- CE, TUV, CB Safety Standards Approved

► Applications

- Downlights, Panel Lights, Mining Lights

Electrical Properties

Input Voltage	176~264 Vac
Input Frequency	47~63 Hz
Power Factor	0.95@220Vac
Input AC Current	0.2A(max.)@220Vac
Efficiency	85%(typ.)@220Vac(full load)
Max. Output Power	28W
Output Current Tolerance	±5%
Line Regulation	±1.0%
Load Regulation	±2.5%
Turn-on Delay Time	<1s@220Vac
Protection Functions	OTP, OLP, SCP

Environmental Specifications

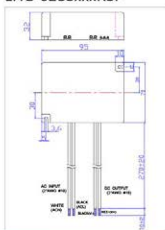
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	95×70×32 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency
				120VAC
LHC-028S035RSP	350 mA	TRIAC Dimming	40-80 Vdc	85%
LHC-028S050RSP	500 mA	TRIAC Dimming	28-56 Vdc	85%
LHC-028S070RSP	700 mA	TRIAC Dimming	20-40 Vdc	84%
LHC-028S105RSP	1050 mA	TRIAC Dimming	13-26 Vdc	83%

► Mechanical Outline (unit:mm)

LHC-028SxxxRSP





► Features

- Leading Edge and Trailing Edge AC Dimmable
- Constant Current Output
- High Efficiency (Up to 86%)
- Active Power Factor Correction (Up to 0.99)
- All-Round Protection: OTP, SCP and OLP
- UL, FCC Safety Standards Approved

► Applications

- Downlights, Panel Lights, Mining Lights

Electrical Properties

Input Voltage	90~132Vac
Input Frequency	47~63 Hz
Power Factor	0.99@120Vac
Input AC Current	0.4A(max.)@120Vac
Efficiency	86%(typ.)@120Vac(full load)
Max. Output Power	28W
Output Current Tolerance	±5%
Line Regulation	±1.0%
Load Regulation	±2.5%
Turn-on Delay Time	<1s@120Vac
Protection Functions	OTP, SCP, OLP

Environmental Specifications

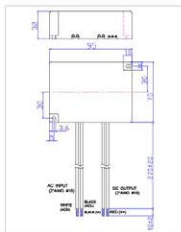
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	95×70×32 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency
LLC-028S035RSP	350 mA	TRIAC Dimming	40-80 Vdc	86%
LLC-028S050RSP	500 mA	TRIAC Dimming	28-56 Vdc	85%
LLC-028S070RSP	700 mA	TRIAC Dimming	20-40 Vdc	84%
LLC-028S105RSP	1050 mA	TRIAC Dimming	13-26 Vdc	83%

► Mechanical Outline (unit:mm)

LLC-028SxxxRSP





► Features

- Constant Current Output
- High Efficiency (Up to 86%)
- Active Power Factor Correction (Up to 0.99)
- All-Round Protection: OTP, SCP and OLP
- Comply with UL8750 Safety Regulations

► Applications

- Downlights, Panel Lights, Mining Lights

Electrical Properties

Input Voltage	90~132 Vac
Input Frequency	57~63 Hz
Power Factor	0.99@120Vac
Input AC Current	0.4A(max.)@120Vac
Efficiency	86%(typ.)@120Vac(full load)
Max. Output Power	30W
Output Current Tolerance	±10%
Line Regulation	±2.5%
Load Regulation	±2.5%
Turn-on Delay Time	<1s@120Vac
Protection Functions	OLP,SCP,open lamp protection

Environmental Specifications

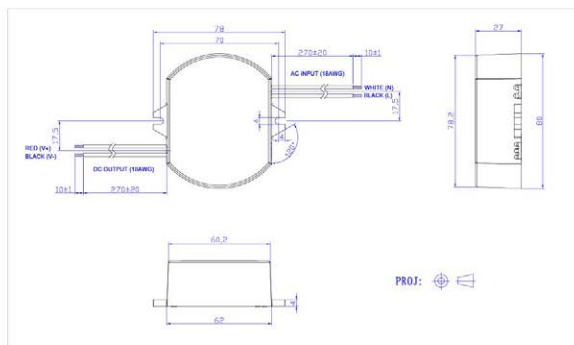
Operating Temperature	-20~60°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	78×80×27 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
LLC-030S085SSR	850 mA	16 ~ 32 Vdc	86%

► Mechanical Outline (unit:mm)

LLC-015S046SSM



Indoor Open Frame
Constant Current

**Indoor Built-out
Constant Current**

Indoor Built-out
Constant Voltage

Outdoor Bridge-constant
Current Current

Outdoor Bridge-constant
Current Voltage

Outdoor Bridge-constant
Current Current

Indoor Built-out
Constant Voltage



► Features

- High Efficiency (Up to 89 %)
- Active Power Factor Correction (Typical 0.93)
- Constant Output Current
- Lightning Protection
- Waterproof (IP66)
- Dimming Control
- All-Round Protection: OVP, SCP
- Comply with CQC Safety Regulations

► Applications

- Downlights, Panel Lights, Mining Lights

Electrical Properties

Input Voltage	176~264 Vac
Input Frequency	47~63 Hz
Power Factor	0.93@220Vac
Input AC Current	0.23A(max.)@220Vac
Efficiency	89%(typ.)@220Vac(full load)
Max. Output Power	42W
Output Current Tolerance	±5%
Line Regulation	±1.0%
Load Regulation	±2.5%
Turn-on Delay Time	<1s@220Vac
Protection Functions	OVP,SCP

Environmental Specifications

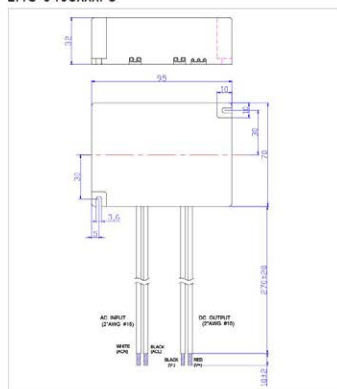
Operating Temperature	-20~60°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	487,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	95×70×32 (mm)

► Model Specification

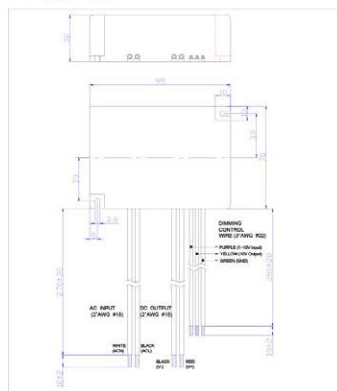
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency
				220VAC
EHC-040S070DS	700 mA	0-10V	30~54 Vdc	89%
EHC-040S140DS	1400 mA	0-10V	14~28 Vdc	88%
EHC-040S175DS	1750 mA	0-10V	12~24 Vdc	86%
EHC-040S070PS	700 mA	-	30~54 Vdc	89%
EHC-040S140PS	1400 mA	-	14~28 Vdc	88%
EHC-040S175PS	1750 mA	-	12~24 Vdc	86%

► Mechanical Outline (unit:mm)

EHC-040SxxxPS



EHC-040SxxxDS



Indoor Open Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Built-out
Constant Current

Outdoor Built-out
Constant Voltage

Outdoor Built-out
Constant Current

Indoor Built-out
Constant Voltage



► Features

- Leading Edge and Trailing Edge AC Dimmable
- Constant Current Output
- High Efficiency (Up to 86%)
- Active Power Factor Correction (Up to 0.98)
- All-Round Protection: SCP and OLP
- UL8750 Safety Standards Approved

► Applications

- Downlights, Panel Lights, Tube Lights

Electrical Properties

Input Voltage	90~132 Vac
Input Frequency	57~63 Hz
Power Factor	0.98@120Vac
Input AC Current	0.5A(max.)@120Vac
Efficiency	86%(typ.)@120Vac(full load)
Max. Output Power	35W
Output Current Tolerance	±5%
Line Regulation	±1.5%
Load Regulation	±2.5%
Turn-on Delay Time	<1s@120Vac
Protection Functions	OLP, SCP

Environmental Specifications

Operating Temperature	-20~70°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	135×44×30.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency
LLC-040S035RSP	350 mA	TRIAC Dimming	60~100 Vdc	120VAC 86%
LLC-040S050RSP	500 mA	TRIAC Dimming	40~70 Vdc	85%
LLC-040S070RSP	700 mA	TRIAC Dimming	30~50 Vdc	85%
LLC-040S082RSP	820 mA	TRIAC Dimming	30~42 Vdc	85%
LLC-040S0105RSP	1050 mA	TRIAC Dimming	20~33 Vdc	83%



► Features

- Constant Current Output
- High Efficiency (Up to 93%)
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection
- Non-isolated output

► Applications

- Downlights, panel lights, tube lights

Electrical Properties

Input Voltage	176~264 Vac
Input Frequency	47~53 Hz
Power Factor	0.92@220Vac
Input AC Current	0.15A(max.)@220Vac
Efficiency	93%(typ.)@220Vac(full load)
Max. Output Power	43.2W
Output Current Tolerance	±10%
Line Regulation	±2.5%
Load Regulation	±2.5%
Turn-on Delay Time	<1s@220Vac
Protection Functions	OLP, SCP, open lamp protection

Environmental Specifications

Operating Temperature	-20~60°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	95×41.5×25 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
NHC-040S036SSM	360 mA	60~120 Vdc	120VAC 93%



► Features

- Constant Current Output
- High Efficiency (Up to 89%)
- Active Power Factor Correction
- All-Round Protection: OLP, SCP
- EN61347, UL8750 Safety Standards
- Comply with CQC Safety Regulations

► Applications

- Downlights, Panel Lights

Electrical Properties

Input Voltage	176~264 Vac
Input Frequency	47~63 Hz
Power Factor	0.93@220Vac
Input AC Current	0.28A(max.)@220Vac
Efficiency	89%(typ.)@220Vac(full load)
Max. Output Power	40W
Output Current Tolerance	±5%
Line Regulation	±1.5%
Load Regulation	±1.0%
Turn-on Delay Time	<1s@220Vac
Protection Functions	OLP,SCP

Environmental Specifications

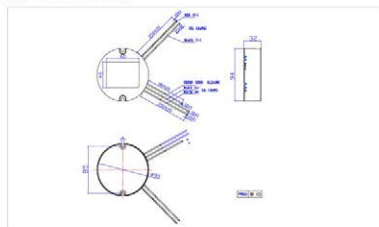
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (D×H)	95×32 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
LHC 040S035SSR	350 mA	68~ 114 Vdc	120VAC 89%

► Mechanical Outline (unit:mm)

LHC-040S035SSR





Electrical Properties

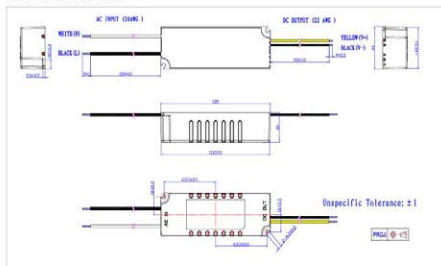
Input Voltage	176~264 Vac
Input Frequency	47~53 Hz
Power Factor	0.93@220Vac
Input AC Current	0.28A(max.)@220Vac
Efficiency	88%(typ.)@220Vac(full load)
Max. Output Power	42W
Output Current Tolerance	±5%
Line Regulation	±1.5%
Load Regulation	±1.0%
Turn-on Delay Time	<1s@220Vac
Protection Functions	OLP, SCP, open lamp protection

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
LHC-042S050SSP	500 mA	50~84 Vdc	220VAC 88%

► Mechanical Outline (unit:mm)

LHC-042S050SSP



► Features

- Constant Current Output
- High Efficiency (Up to 88%)
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection
- EN61347, UL8750 Safety Standards
- Comply with CQC Safety Regulations

► Applications

- Downlights, panel lights, tube lights

Environmental Specifications

Operating Temperature	-10~60°C
Storage Temperature	-47~53°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	135×44×30.5 (mm)



► Features

- Constant Current Output
- High Efficiency (Up to 87%)
- Active Power Factor Correction (0.95 Typical)
- 0 -10V Dimmable (Compatible with Passive Dimmers)
- Two Channels Output
- All-Round Protection: SCP, OVP, OTP
UL,CE,FCC Safety Regulations Approved

► Applications

- Downlights, panel lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.98@120Vac, 0.92@277Vac
Input AC Current	0.46A(max.)@120Vac
Efficiency	86%(typ.)@120Vac(full load), 87%(typ.)@277Vac(full load)
Max. Output Power	42W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1s@110Vac
Protection Functions	OVP, SCP, OTP

Environmental Specifications

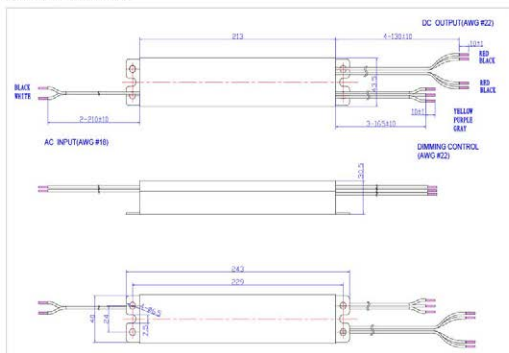
Operating Temperature	-20~70°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	213×43.5×30.5 (mm)

► Model Specification

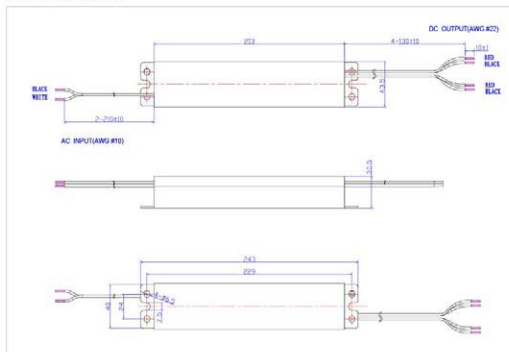
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
LUC-042D04SSM(SDM)	450 mA	-	27~ 47 Vdc	120VAC	277VAC
LUC-042D052SSM(SDM)	520 mA	-	20~ 41 Vdc	86%	87%
LUC-042D056SSM(SDM)	560 mA	-	20~ 40 Vdc	85%	86%
LUC-042D070SSM(SDM)	700 mA	-	17~ 30 Vdc	84%	85%
LUC-042D04SDSM(DDM)	450 mA	0-10V	27~ 47 Vdc	86%	87%
LUC-042D052SDSM(DDM)	520 mA	0-10V	20~ 41 Vdc	85%	86%
LUC-042D056SDSM(DDM)	560 mA	0-10V	20~ 40 Vdc	85%	86%
LUC-042D070SDSM(DDM)	700 mA	0-10V	17~ 30 Vdc	84%	85%

► Mechanical Outline (unit:mm)

LUC-042DxxxDSM



LUC-042DxxxSSM



Indoor Type Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Standard Voltage

Outdoor Built-out
Constant Current

Outdoor Built-out
Constant Voltage

Outdoor Built-out
Constant Current

Indoor Built-out
Constant Current



► Features

- Constant Current Output
- High Efficiency (Up to 88%)
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection
- EN61347, UL8750 Safety Standards
- Comply with CQC Safety Regulations

► Applications

- Downlights, panel lights, mining lights

Electrical Properties

Input Voltage	90~132 Vac
Input Frequency	57~63 Hz
Power Factor	0.93@120Vac
Input AC Current	0.28A(max.)@120Vac
Efficiency	88%(typ.)@120Vac(full load)
Max. Output Power	42W
Output Current Tolerance	±5%
Line Regulation	±1.5%
Load Regulation	±1.0%
Turn-on Delay Time	<1s@120Vac
Protection Functions	OLP, SCP, open lamp protection

Environmental Specifications

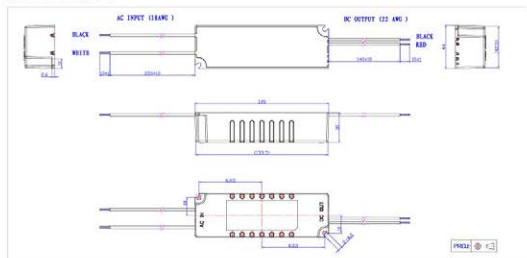
Operating Temperature	-30~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	135×44×30.5 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
LLC-042S070SSP	700 mA	30~60 Vdc	120VAC 88%

► Mechanical Outline (unit:mm)

LLC-042S070SSP





Electrical Properties

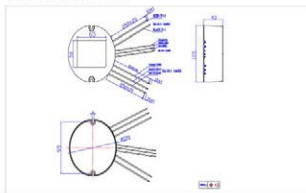
Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	0.9A(max.)@110Vac, 0.42A(max.)@220Vac
Efficiency	87%(typ.)@110Vac(full load), 89%(typ.)@220Vac(full load)
Max. Output Power	72W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1s@90~305 Vac
Protection Functions	OTP,SCP,OVP

► Model Specification

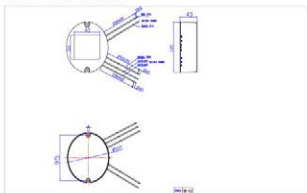
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
LUC-072S035SSR	350 mA	—	120-205 Vdc	87%	89%
LUC-072S070SSR	700 mA	—	51-102 Vdc	86%	88%
LUC-072S035DSR	350 mA	0-10V	120-205 Vdc	87%	89%
LUC-072S070DSR	700 mA	0-10V	120-205 Vdc	86%	88%

► Mechanical Outline (unit:mm)

LUC-072S035DSR



LUC-072S035SSR



► Features

- High Efficiency (Up to 89%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Round Protection: OVP, SCP, OTP
- Waterproof(IP66)
- UL,CE Safety Regulations Approved

► Applications

- Downlights, Panel Lights

Environmental Specifications

Operating Temperature	-25~60°C
Storage Temperature	-40~80°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (D×H)	105x43 (mm)

Indoor Open Frame
Constant Current

Indoor Built-out
Constant Current

Outdoor Built-out
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor Multi-channel
Constant Current



► Features

- High Efficiency (Up to 90%)
- Active Power Factor Correction (Typical 0.95)
- Constant Output Current
- Waterproof (IP66)
- Dimming Control
- All-Round Protection: OVP, SCP, OLP, OTP
- UL, CE, FCC, CQC, PSE, TUV, CB Safety Regulations Approved

► Applications

- Downlights, Panel Lights, Mining Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.96@110Vac, 0.95@220Vac
Input AC Current	0.6A(max.)@110Vac, 0.3A(max.)@220Vac
Efficiency	89%(typ.)@110Vac(full load), 90%(typ.)@220Vac(full load)
Max. Output Power	42W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.0s@110Vac, <0.5s@220Vac
Protection Functions	OTP, SCP, OVP, OLP

Environmental Specifications

Operating Temperature	-20~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	327,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	95×70×32 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-042S035PS	350 mA	-	60~120 Vdc	89%	90%
EUC-042S045PS	450 mA	-	47~94 Vdc	88%	89%
EUC-042S070PS	700 mA	-	30~60 Vdc	88%	89%
EUC-042S105PS	1050 mA	-	18~37 Vdc	86%	88%
EUC-042S128PS	1280 mA	-	17~32 Vdc	86%	87%
EUC-042S140PS	1400 mA	-	15~30 Vdc	85%	87%
EUC-042S175PS	1750 mA	-	12~24 Vdc	85%	87%
EUC-042S035DS	350 mA	0-10V	60~120 Vdc	89%	90%
EUC-042S045DS	450 mA	0-10V	47~94 Vdc	88%	89%
EUC-042S070DS	700 mA	0-10V	30~60 Vdc	88%	89%
EUC-042S105DS	1050 mA	0-10V	18~37 Vdc	86%	88%
EUC-042S128DS	1280 mA	0-10V	17~32 Vdc	86%	87%
EUC-042S140DS	1400 mA	0-10V	15~30 Vdc	85%	87%
EUC-042S175DS	1750 mA	0-10V	12~24 Vdc	85%	87%



► Features

- High Efficiency (Up to 86%)
- Active Power Factor Correction (0.95 Typical)
- Constant Voltage Output
- Waterproof (IP67)
- All-Round Protection: OCP, OVP, SCP
- UL, CE, FCC Safety Certifications Approved
- Comply with ANSI/IEEE C62.41, Class A

► Applications

- Downlights, Panel Lights, Mining Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.96@110Vac, 0.95@220Vac
Input AC Current	0.4A(max.)@100Vac, 0.2A(max.)@220Vac
Efficiency	85%(typ.)@110Vac(full load), 86%(typ.)@220Vac(full load)
Max. Output Power	26W
Output Current Tolerance	±5%
Line Regulation	±1.0%
Load Regulation	±1.5%
Turn-on Delay Time	<1.0s@110Vac, <0.5s@220Vac
Protection Functions	OVP, OCP, SCP

Environmental Specifications

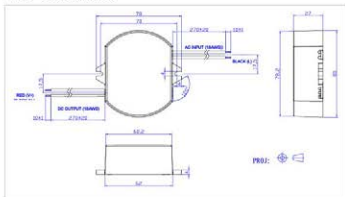
Operating Temperature	-20~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	130,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	78×80×27 (mm)

► Model Specification

Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			120VAC	277VAC
EUV-026S024PS	0~1080 mA	24 Vdc	83%	84%
EUV-026S036PS	0~720 mA	36 Vdc	84%	85%
EUV-026S048PS	0~540 mA	48 Vdc	85%	86%

► Mechanical Outline (unit:mm)

EUV-026SxxxPS





Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.96@110Vac, 0.95@220Vac
Input AC Current	0.6A(max.)@110Vac, 0.3A(max.)@220Vac
Efficiency	87%(typ.)@110Vac(full load), 89%(typ.)@220Vac(full load)
Max. Output Power	42W
Output Current Tolerance	±5%
Line Regulation	±1.0%
Load Regulation	±1.5%
Turn-on Delay Time	<1.0s@110Vac, <0.5s@220Vac
Protection Functions	OVP, OCP, SCP

► Features

- High Efficiency (Up to 89%)
- Active Power Factor Correction (0.95 Typical)
- Constant Voltage Output
- Lightning Protection
- Waterproof (IP66)
- All-Round Protection:OVP,SCP,OLP
- UL,CE,FCC Safety Certifications Approved
- Comply with ANSI/IEEE C62.41,Class A

► Applications

- Downlights, Panel Lights, Mining Lights

Environmental Specifications

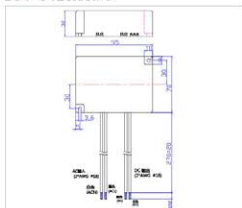
Operating Temperature	-20~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	327,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	95×70×32 (mm)

► Model Specification

Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
EUV-042S012PS	0~3500 mA	12 Vdc	120VAC	277VAC
EUV-042S024PS	0~1750 mA	24 Vdc	82%	84%
EUV-042S036PS	0~1160 mA	36 Vdc	85%	87%
EUV-042S048PS	0~875 mA	48 Vdc	87%	89%

► Mechanical Outline (unit:mm)

EUV-042SxxxPS





► Features

- High Efficiency (Up to 89%)
- Active Power Factor Correction (Typical 0.95)
- Constant Output Current
- Lightning Protection
- Waterproof (IP67)
- Dimming Control
- All-Round Protection: OVP, SCP, OLP, OTP
- Comply With UL, CE, FCC, CQC, PSE, TUV, CB Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Garden Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.96@110Vac, 0.95@220Vac
Input AC Current	0.6Amax.@110Vac, 0.3Amax.@220Vac
Efficiency	89%(typ.)@110Vac(full load) , 89%(typ.)@220Vac(full load)
Max. Output Power	36W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.0s@110Vac, <0.5s@220Vac
Protection Functions	OTP, SCP

Environmental Specifications

Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	371,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	172×42.5×34.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-036S035DT(DV)	350 mA	0-10V	52~103 Vdc	89%	89%
EUC-036S035ST(SV)	350 mA		52~103 Vdc	89%	89%
EUC-036S045DT(DV)	450 mA	0-10V	40~80 Vdc	88%	88%
EUC-036S045ST(SV)	450 mA		40~80 Vdc	88%	88%
EUC-036S070DT(DV)	700 mA	0-10V	26~52 Vdc	87%	88%
EUC-036S070ST(SV)	700 mA		26~52 Vdc	87%	88%
EUC-036S105DT(DV)	1050 mA	0-10V	18~35 Vdc	86%	87%
EUC-036S105ST(SV)	1050 mA		18~35 Vdc	86%	87%
EUC-036S140DT(DV)	1400 mA	0-10V	13~26 Vdc	86%	86%
EUC-036S140ST(SV)	1400 mA		13~26 Vdc	86%	86%
EUC-036S175DT(DV)	1750 mA	0-10V	11~21 Vdc	85%	85%
EUC-036S175ST(SV)	1750 mA		11~21 Vdc	85%	85%

Indoor Open Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor
Constant Voltage



► Features

- High Efficiency (Up to 90%)
- Second Generation with Improved Performance
- Active Power Factor Correction (Typical 0.95)
- Constant Output Current
- Lightning Protection
- Waterproof (IP67)
- Dimming Control
- All-Round Protection: OVP, SCP, OLP, OTP
- Comply With UL, CE, FCC, CQC, TUV, PSE, CB Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Garden Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.96@110Vac, 0.95@220Vac
Input AC Current	0.8Amax.@110Vac, 0.4Amax.@220Vac
Efficiency	89%(typ.)@110Vac(full load) , 90%(typ.)@220Vac(full load)
Max. Output Power	52W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.0s@110Vac, <0.5s@220Vac
Protection Functions	OTP, SCP, OVP, OLP

Environmental Specifications

Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	321,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	172×42.5×34.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-052S035DT(DV)	350 mA	0-10V	75~149 Vdc	89%	90%
EUC-052S045DT(DV)	450 mA	0-10V	58~116 Vdc	88%	89%
EUC-052S070DT(DV)	700 mA	0-10V	38~75 Vdc	88%	89%
EUC-052S105DT(DV)	1050 mA	0-10V	25~50 Vdc	87%	88%
EUC-052S140DT(DV)	1400 mA	0-10V	19~37 Vdc	86%	87%
EUC-052S210DT(DV)	2100 mA	0-10V	13~25 Vdc	85%	86%
EUC-052S035ST(SV)	350 mA	-	75~149 Vdc	89%	90%
EUC-052S045ST(SV)	450 mA	-	58~116 Vdc	88%	89%
EUC-052S070ST(SV)	700 mA	-	38~75 Vdc	88%	89%
EUC-052S105ST(SV)	1050 mA	-	25~50 Vdc	87%	88%
EUC-052S140ST(SV)	1400 mA	-	19~37 Vdc	86%	87%
EUC-052S210ST(SV)	2100 mA	-	13~25 Vdc	85%	86%



► Features

- High Efficiency (Up to 91%)
- Active Power Factor Correction (Up to 0.99)
- Constant Current Output
- Lightning Protection
- All-Round Protection: OVP, SCP, OTP
- Waterproof (IP67)
- Comply With UL,CE,CQC Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Garden Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.95@220Vac
Input AC Current	0.8Amax.@110Vac, 0.36Amax.@220Vac
Efficiency	88%(typ.)@110Vac(full load) , 90%(typ.)@220Vac(full load)
Max. Output Power	60W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.2s@110Vac, <0.6s@220Vac
Protection Functions	OVP,OTP,SCP

Environmental Specifications

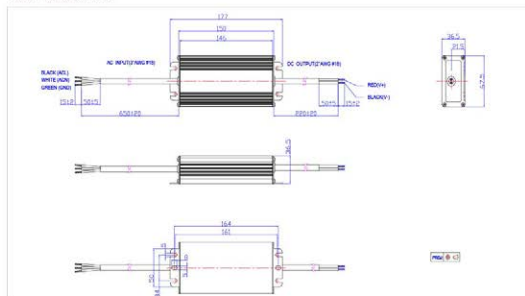
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	60,000 hours Tc=65°C
Dimensions (L×W×H)	150×67.5×36.5 (mm)

► Model Specification

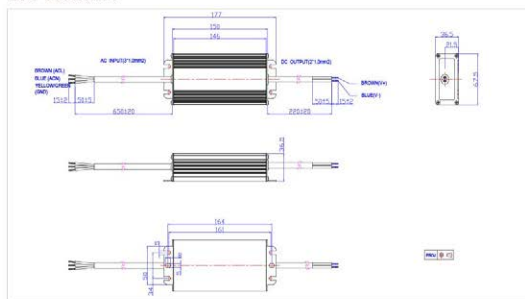
Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency	
			110VAC	220VAC
EUC-060S035ST(SV)	350 mA	85~170 Vdc	88%	90%
EUC-060S045ST(SV)	450 mA	67~134 Vdc	88%	90%
EUC-060S070ST(SV)	700 mA	43~86 Vdc	88%	90%
EUC-060S105ST(SV)	1050 mA	29~58 Vdc	87%	89%
EUC-060S140ST(SV)	1400 mA	21~43 Vdc	87%	89%
EUC-060S170ST(SV)	1700 mA	18~36 Vdc	87%	89%
EUC-060S230ST(SV)	2300 mA	13~27 Vdc	86%	89%
EUC-060S330ST(SV)	3300 mA	9~18 Vdc	86%	88%
EUC-060S500ST(SV)	5000 mA	6~12 Vdc	85%	87%

► Mechanical Outline (unit:mm)

EUC-060SxxxST



EUC-060SxxxSV



Indoor Open Frame
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Full-spectrum
Constant Current

Indoor Full-spectrum
Constant Voltage



► Features

- High Efficiency (Up to 91%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Dimming Function
- Lightning Protection
- All-Round Protection: OVP, SCP, OTP
- Waterproof (IP67)
- Comply With UL,CE,FCC,CQC Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	0.9Amax.@110Vac, 0.42Amax.@220Vac
Efficiency	88%(typ.)@110Vac(full load) , 90%(typ.)@220Vac(full load)
Max. Output Power	75W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.2s@110Vac, <0.6s@220Vac
Protection Functions	OVP,OTP,SCP

Environmental Specifications

Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=65°C
Dimensions (L×W×H)	150×67.5×36.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-075S035DT(DV)	350 mA	0-10V	107-214 Vdc	88%	90%
EUC-075S045DT(DV)	450 mA	0-10V	83-166 Vdc	88%	90%
EUC-075S070DT(DV)	700 mA	0-10V	54-108 Vdc	88%	90%
EUC-075S105DT(DV)	1050 mA	0-10V	36-72 Vdc	87%	89%
EUC-075S140DT(DV)	1400 mA	0-10V	27-54 Vdc	87%	89%
EUC-075S210DT(DV)	2100 mA	0-10V	18-36 Vdc	86%	88%
EUC-075S280DT(DV)	2800 mA	0-10V	13-27 Vdc	86%	88%
EUC-075S375DT(DV)	3750 mA	0-10V	10-20 Vdc	85%	87%
EUC-075S500DT(DV)	5000 mA	0-10V	7-15 Vdc	85%	87%



Electrical Properties

Input Voltage	249~528 Vac
Input Frequency	47~63 Hz
Power Factor	0.95@277Vac, 0.90@480Vac
Input AC Current	0.34Amax.@277Vac, 0.21Amax.@480Vac
Efficiency	88%(typ.)@277Vac(full load) , 87%(typ.)@480Vac(full load)
Max. Output Power	75W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<3s@277Vac, <3s@480Vac
Protection Functions	OTP,SCP,OVP,Open Lamp Protection

► Features

- High Efficiency (Up to 87%)
- Active Power Factor Correction (0.95 Typical)
- Constant Current Output
- Lightning Protection
- 0~10V Dimmable
- All-Round Protection: SCP, OTP, OVP and Open Lamp Protection.
- IP67 and UL Wet Location Approved
- IEC 61347, UL,CE,FCC Safety Standards Approved
- UL/cUL Class 2 Output

► Applications

- Street Lights, Tunnel Lights, Tandscape Lights

Environmental Specifications

Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	380,000 hours Ta=25°C
Life Time	140,000 hours Tc=60°C
Dimensions (L×W×H)	188×88×38 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				277VAC	480VAC
ESC-075S035ST	350 mA	-	107~214 Vdc	88%	87%
ESC-075S070ST	700 mA	-	53~107 Vdc	87%	86%
ESC-075S105ST	1050 mA	-	36~72 Vdc	88%	87%
ESC-075S140ST	1400 mA	-	26~53 Vdc	88%	87%
ESC-075S210ST	2100 mA	-	18~36 Vdc	87%	86%
ESC-075S315ST	3150 mA	-	12~24 Vdc	86%	85%
ESC-075S035DT	350 mA	0-10V	107~214 Vdc	88%	87%
ESC-075S070DT	700 mA	0-10V	53~107 Vdc	87%	86%
ESC-075S105DT	1050 mA	0-10V	36~72 Vdc	88%	87%
ESC-075S140DT	1400 mA	0-10V	26~53 Vdc	88%	87%
ESC-075S210DT	2100 mA	0-10V	18~36 Vdc	87%	86%
ESC-075S315DT	3150 mA	0-10V	12~24 Vdc	86%	85%



Electrical Properties	
Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.95@220Vac
Input AC Current	1.1Amax.@110Vac, 0.5Amax.@220Vac
Efficiency	89%(typ.)@110Vac(full load) , 91%(typ.)@220Vac(full load)
Max. Output Power	85W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±1.5%
Turn-on Delay Time	<3s@110Vac, <1s@220Vac
Protection Functions	OVP,OTP,SCP

► Features

- High Efficiency (Up to 91%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Dimming Function
- Lightning Protection
- All-Round Protection: OVP, SCP, OTP
- Waterproof (IP67)
- Comply With UL,CE,FCC Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Environmental Specifications	
Operating Temperature	-35~60°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Ta=70°C
Dimensions (L×W×H)	150×67.5×36.5 (mm)

► Model Specification

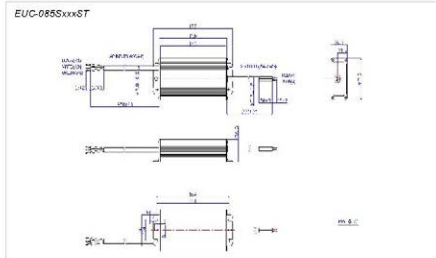
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-085S035ST(SV)	350 mA	-	122~243 Vdc	89%	91%
EUC-085S045ST(SV)	450 mA	-	95~189 Vdc	89%	91%
EUC-085S070ST(SV)	700 mA	-	61~121 Vdc	88%	90%
EUC-085S105ST(SV)	1050 mA	-	41~81 Vdc	88%	90%
EUC-085S140ST(SV)	1400 mA	-	31~61 Vdc	88%	90%
EUC-085S175ST(SV)	1750 mA	-	25~49 Vdc	88%	90%
EUC-085S200ST(SV)	2000 mA	-	22~43 Vdc	88%	90%
EUC-085S245ST(SV)	2450 mA	-	18~35 Vdc	87%	89%
EUC-085S280ST(SV)	2800 mA	-	16~30 Vdc	87%	89%

► Model Specification

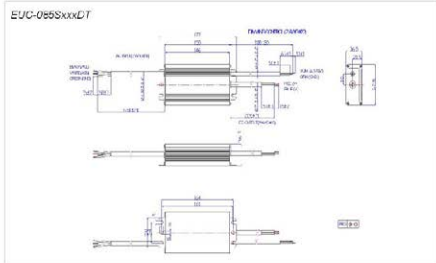
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-085S035DT(DV)	350 mA	0-10V	122~243 Vdc	89%	91%
EUC-085S045DT(DV)	450 mA	0-10V	95~189 Vdc	89%	90%
EUC-085S070DT(DV)	700 mA	0-10V	61~121 Vdc	88%	90%
EUC-085S105DT(DV)	1050 mA	0-10V	41~81 Vdc	88%	90%
EUC-085S140DT(DV)	1400 mA	0-10V	31~61 Vdc	88%	90%
EUC-085S175DT(DV)	1750 mA	0-10V	25~49 Vdc	88%	90%
EUC-085S200DT(DV)	2000 mA	0-10V	22~43 Vdc	88%	89%
EUC-085S245DT(DV)	2450 mA	0-10V	18~35 Vdc	87%	89%
EUC-085S280DT(DV)	2800 mA	0-10V	16~30 Vdc	87%	

► Mechanical Outline (unit:mm)

EUC-085SxxxST



EUC-085SxxxDT



Indoor Open Frame
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Full-width
Constant Current

Indoor Full-width
Constant Voltage



► Features

- Ultra High Efficiency (Up to 91%)
- High Power Factor (0.99 Typical)
- Constant Current Output
- Lightning Protection
- Dimming Function
- All-Round Protection: OVP, SCP, OTP
- Waterproof (IP67)
- Comply With UL, CE, FCC Safety Regulations
- Suitable For Dry, Damp and Wet location

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	1.2Amax.@110Vac, 0.6Amax.@220Vac
Efficiency	89%(typ.)@110Vac(full load) , 91%(typ.)@220Vac(full load)
Max. Output Power	96W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<3s@110Vac, <2s@220Vac
Protection Functions	OTP, SCP, OVP

Environmental Specifications

Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	400,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	174×67.5×36.5 (mm)

► Model Specification

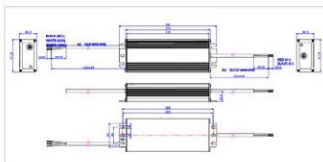
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-096S035ST(SV)	350 mA	-	137-274 Vdc	89%	91%
EUC-096S045ST(SV)	450 mA	-	106-213 Vdc	89%	91%
EUC-096S070ST(SV)	700 mA	-	68-137 Vdc	88%	90%
EUC-096S105ST(SV)	1050 mA	-	46-92 Vdc	88%	90%
EUC-096S140ST(SV)	1400 mA	-	35-69 Vdc	87%	89%
EUC-096S175ST(SV)	1750 mA	-	27-55 Vdc	87%	89%
EUC-096S210ST(SV)	2100 mA	-	22-46 Vdc	86%	88%
EUC-096S245ST(SV)	2450 mA	-	19-39 Vdc	86%	88%
EUC-096S280ST(SV)	2800 mA	-	17-34 Vdc	86%	88%
EUC-096S315ST(SV)	3150 mA	-	15-30 Vdc	85%	87%
EUC-096S350ST(SV)	3500 mA	-	13-27 Vdc	85%	87%
EUC-096S400ST(SV)	4000 mA	-	12-24 Vdc	85%	87%

► Model Specification

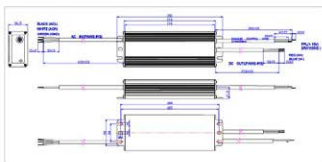
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-096S035DT(DV)	350 mA	0-10V	137-274 Vdc	89%	91%
EUC-096S045DT(DV)	450 mA	0-10V	106-213 Vdc	89%	91%
EUC-096S070DT(DV)	700 mA	0-10V	68-137 Vdc	88%	90%
EUC-096S105DT(DV)	1050 mA	0-10V	46-92 Vdc	88%	90%
EUC-096S140DT(DV)	1400 mA	0-10V	35-69 Vdc	87%	89%
EUC-096S175DT(DV)	1750 mA	0-10V	27-55 Vdc	87%	89%
EUC-096S210DT(DV)	2100 mA	0-10V	22-46 Vdc	86%	88%
EUC-096S245DT(DV)	2450 mA	0-10V	19-39 Vdc	86%	88%
EUC-096S280DT(DV)	2800 mA	0-10V	17-34 Vdc	86%	88%
EUC-096S315DT(DV)	3150 mA	0-10V	15-30 Vdc	85%	87%
EUC-096S350DT(DV)	3500 mA	0-10V	13-27 Vdc	85%	87%
EUC-096S400DT(DV)	4000 mA	0-10V	12-24 Vdc	85%	87%

► Mechanical Outline (unit:mm)

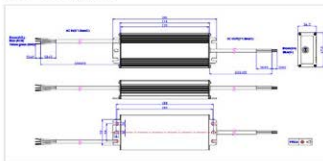
EUC-096SxxxST



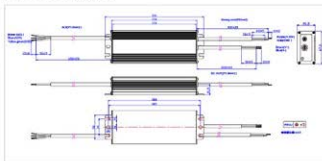
EUC-096SxxxDT



EUC-096SxxxSV



EUC-096SxxxDV



Indoor Open Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-in
Constant Current

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Full-spectrum
Constant Current

Indoor Full-spectrum
Constant Voltage



► Features

- Ultra High Efficiency (Up to 91%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- Dimming Function
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	1.3Amax.@110Vac, 0.6Amax.@220Vac
Efficiency	89%(typ.)@110Vac(full load) , 91%(typ.)@220Vac(full load)
Max. Output Power	100W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.5s@110Vac, <1.0s@220Vac
Protection Functions	OTP, OVP, SCP

Environmental Specifications

Operating Temperature	-35~65°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	235,000 hours Ta=25°C
Life Time	50,000 hours Tc=70°C
Dimensions (L×W×H)	194 × 67.5 × 36.5 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-100S035ST(SV)	350 mA	-	172~286 Vdc	89%	91%
EUC-100S045ST(SV)	450 mA	-	132~222 Vdc	89%	91%
EUC-100S070ST(SV)	700 mA	-	86~143 Vdc	88.5%	90.5%
EUC-100S105ST(SV)	1050 mA	-	57~95 Vdc	88.5%	90.5%
EUC-100S140ST(SV)	1400 mA	-	43~71 Vdc	88.5%	90.5%
EUC-100S175ST(SV)	1750 mA	-	34~57 Vdc	88.5%	90.5%
EUC-100S210ST(SV)	2100 mA	-	29~48 Vdc	88.5%	90.5%
EUC-100S245ST(SV)	2450 mA	-	25~41 Vdc	88.5%	90.5%
EUC-100S280ST(SV)	2800 mA	-	22~36 Vdc	88%	90%
EUC-100S315ST(SV)	3150 mA	-	19~32 Vdc	88%	90%
EUC-100S357ST(SV)	3570 mA	-	17~28 Vdc	88%	90%
EUC-100S420ST(SV)	4200 mA	-	14~24 Vdc	88%	90%

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-100S035DT(DV)	350 mA	0-10V	172~286 Vdc	89%	91%
EUC-100S045DT(DV)	450 mA	0-10V	132~222 Vdc	89%	91%
EUC-100S070DT(DV)	700 mA	0-10V	86~143 Vdc	88.5%	90.5%
EUC-100S105DT(DV)	1050 mA	0-10V	57~95 Vdc	88.5%	90.5%
EUC-100S140DT(DV)	1400 mA	0-10V	43~71 Vdc	88.5%	90.5%
EUC-100S175DT(DV)	1750 mA	0-10V	34~57 Vdc	88.5%	90.5%
EUC-100S210DT(DV)	2100 mA	0-10V	29~48 Vdc	88.5%	90.5%
EUC-100S245DT(DV)	2450 mA	0-10V	25~41 Vdc	88.5%	90.5%
EUC-100S280DT(DV)	2800 mA	0-10V	22~36 Vdc	88%	90%
EUC-100S315DT(DV)	3150 mA	0-10V	19~32 Vdc	88%	90%
EUC-100S357DT(DV)	3570 mA	0-10V	17~28 Vdc	88%	90%
EUC-100S420DT(DV)	4200 mA	0-10V	14~24 Vdc	88%	90%

Before Types Form
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Ring-channel
Constant Current

Outdoor Ring-channel
Constant Voltage

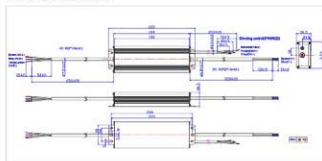
Outdoor Ring-channel
Constant Current

Indoor Built-out
Constant Current

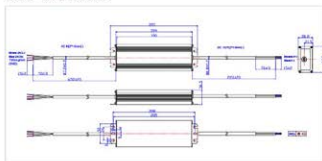
Indoor Built-out
Constant Voltage

► Mechanical Outline (unit:mm)

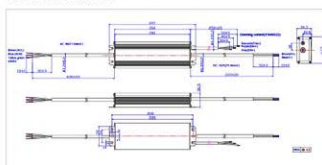
EUC-100SxxxDT



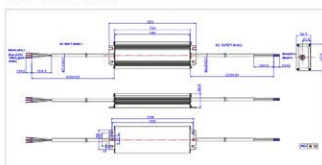
EUC-100SxxxST



EUC-100SxxxDV



EUC-100SxxxSV





► Features

- Ultra High Efficiency (Up to 91%)
- Active Power Factor Correction (0.99 Typical)
- Dimming Function
- Constant Current Output
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	1.5Amax.@110Vac, 0.75Amax.@220Vac
Efficiency	89%(typ.)@110Vac(full load) , 91%(typ.)@220Vac(full load)
Max. Output Power	120W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1.0s@110Vac, <1.0s@220Vac
Protection Functions	OTP, OVP, SCP

Environmental Specifications

Operating Temperature	-35~65°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	249,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	194 × 67.5 × 36.5 (mm)

► Model Specification

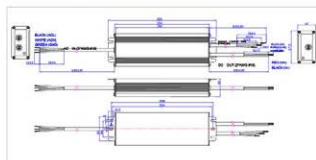
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-120S035ST(SV)	350 mA	-	206~343 Vdc	89%	91%
EUC-120S045ST(SV)	450 mA	-	160~266 Vdc	89%	91%
EUC-120S070ST(SV)	700 mA	-	103~171 Vdc	89%	91%
EUC-120S105ST(SV)	1050 mA	-	68~114 Vdc	88.5%	90.5%
EUC-120S140ST(SV)	1400 mA	-	52~86 Vdc	88.5%	90.5%
EUC-120S175ST(SV)	1750 mA	-	41~68 Vdc	88.5%	90.5%
EUC-120S210ST(SV)	2100 mA	-	34~57 Vdc	88.5%	90.5%
EUC-120S245ST(SV)	2450 mA	-	29~49 Vdc	88.5%	90.5%
EUC-120S280ST(SV)	2800 mA	-	26~43 Vdc	88.5%	90.5%
EUC-120S315ST(SV)	3150 mA	-	23~38 Vdc	88%	90%
EUC-120S350ST(SV)	3500 mA	-	20~34 Vdc	88%	90%
EUC-120S420ST(SV)	4200 mA	-	17~28 Vdc	88%	90%
EUC-120S490ST(SV)	4900 mA	-	14~24 Vdc	88%	90%

► Model Specification

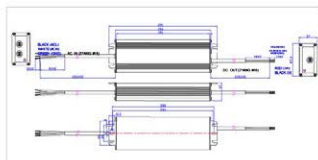
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-120S035DT(DV)	350 mA	0-10V	206~343 Vdc	89%	91%
EUC-120S045DT(DV)	450 mA	0-10V	160~266 Vdc	89%	91%
EUC-120S070DT(DV)	700 mA	0-10V	103~171 Vdc	89%	91%
EUC-120S105DT(DV)	1050 mA	0-10V	68~114 Vdc	88.5%	90.5%
EUC-120S140DT(DV)	1400 mA	0-10V	52~86 Vdc	88.5%	90.5%
EUC-120S175DT(DV)	1750 mA	0-10V	41~68 Vdc	88.5%	90.5%
EUC-120S210DT(DV)	2100 mA	0-10V	34~57 Vdc	88.5%	90.5%
EUC-120S245DT(DV)	2450 mA	0-10V	29~49 Vdc	88.5%	90.5%
EUC-120S280DT(DV)	2800 mA	0-10V	26~43 Vdc	88.5%	90.5%
EUC-120S315DT(DV)	3150 mA	0-10V	23~38 Vdc	88%	90%
EUC-120S350DT(DV)	3500 mA	0-10V	20~34 Vdc	88%	90%
EUC-120S420DT(DV)	4200 mA	0-10V	17~28 Vdc	88%	90%
EUC-120S490DT(DV)	4900 mA	0-10V	14~24 Vdc	88%	90%
EUC-120S245TT(TV)	2450 mA	Timer Dimming	30~49 Vdc	90%	92%

► Mechanical Outline (unit:mm)

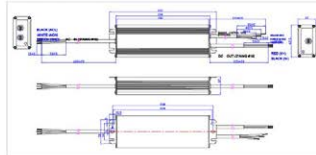
EUC-120SxxxDT



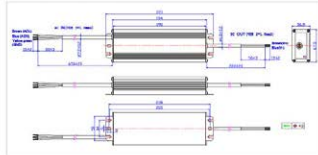
EUC-120SxxxST



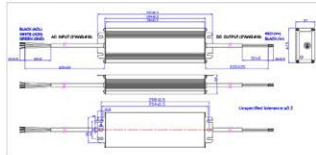
EUC-120SxxxDV



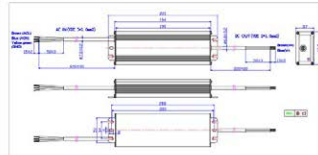
EUC-120SxxxSV



EUC-120S245TT



EUC-120S245TV





► Features

- High Efficiency (Up to 91%)
- Active Power Factor Correction (0.95 @277Vac)
- Constant Current Output
- Lightning Protection
- Dimming Function
- All-Round Protection: OVP, SCP, OTP
- Waterproof (IP67)
- Comply With UL,CE,FCC Safety Certifications Approved

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	249~528 Vac
Input Frequency	47~63 Hz
Power Factor	0.95@277Vac, 0.90@480Vac
Input AC Current	0.7Amax.@277Vac, 0.42Amax.@480Vac
Efficiency	91%(typ.)@277Vac(full load) , 90%(typ.)@480Vac(full load)
Max. Output Power	150W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<3s
Protection Functions	OTP,SCP,OVP

Environmental Specifications

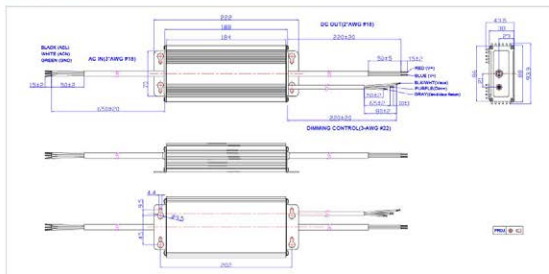
Operating Temperature	-35~65°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	132,000 hours Ta=25°C
Life Time	50,000 hours Tc=65°C
Dimensions (L×W×H)	188 × 93.9 × 44.5 (mm)

► Model Specification

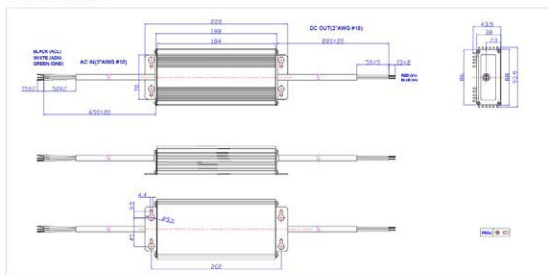
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				277VAC	480VAC
ESC-150S058ST	580 mA	-	129~257 Vdc	91%	90%
ESC-150S070ST	700 mA	-	107~214 Vdc	91%	90%
ESC-150S105ST	1050 mA	-	71~142 Vdc	90%	89%
ESC-150S140ST	1400 mA	-	53~107 Vdc	90%	89%
ESC-150S210ST	2100 mA	-	35~71 Vcd	90%	89%
ESC-150S280ST	2800 mA	-	27~54 Vdc	90%	89%
ESC-150S350ST	3500 mA	-	21~43 Vdc	89%	88%
ESC-150S420DT	4200 mA	0-10V	18~36 Vdc	89%	88%
ESC-150S058DT	580 mA	0-10V	129~258 Vdc	91%	90%
ESC-150S070DT	700 mA	0-10V	107~214 Vdc	91%	90%
ESC-150S105DT	1050 mA	0-10V	71~142 Vdc	90%	89%
ESC-150S140DT	1400 mA	0-10V	53~107 Vdc	90%	89%
ESC-150S210DT	2100 mA	0-10V	35~71 Vcd	90%	89%
ESC-150S280DT	2800 mA	0-10V	27~54 Vdc	90%	89%
ESC-150S350DT	3500 mA	0-10V	21~43 Vdc	89%	88%
ESC-150S420DT	4200 mA	0-10V	18~36 Vdc	89%	88%

► Mechanical Outline (unit:mm)

ESC-150SxxxDT



ESC-150SxxxST



Outdoor Open Frame
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-Beam
Constant Current

Outdoor Single-Beam
Constant Voltage

Outdoor Multi-Beam
Constant Current

Indoor
Constant Current

< 077



► Features

- Ultra High Efficiency (Up to 92.0%)
- Active Power Factor Correction (0.99 Typical)
- Dimming Function
- Constant Current Output
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulation

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	1.8Amax.@110Vac, 0.9Amax.@220Vac
Efficiency	90.5%(typ.)@110Vac(full load) , 92.5%(typ.)@220Vac(full load)
Max. Output Power	150W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1s@110Vac, <0.6s@220Vac
Protection Functions	OTP,OVP,SCP

Environmental Specifications

Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	195,000 hours Ta=25°C
Life Time	90,000 hours Ta=45°C
Dimensions (L×W×H)	238×79.5×46 (mm)

► Model Specification

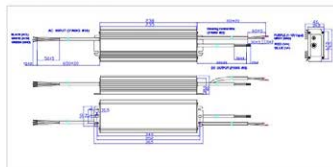
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-150S035ST(SV)	350 mA	—	256~428 Vdc	90.5%	92.5%
EUC-150S045ST(SV)	450 mA	—	200~333 Vdc	90.5%	92.5%
EUC-150S070ST(SV)	700 mA	—	128~214 Vdc	90.5%	92.5%
EUC-150S105ST(SV)	1050 mA	—	85~142 Vdc	90%	92%
EUC-150S140ST(SV)	1400 mA	—	64~107 Vdc	90%	92%
EUC-150S175ST(SV)	1750 mA	—	51~85 Vdc	89.5%	91.5%
EUC-150S210ST(SV)	2100 mA	—	42~71 Vdc	89%	91%
EUC-150S245ST(SV)	2450 mA	—	36~61 Vdc	88%	90%
EUC-150S280ST(SV)	2800 mA	—	31~53 Vdc	88%	90%
EUC-150S315ST(SV)	3150 mA	—	28~47 Vdc	88%	90%
EUC-150S350ST(SV)	3500 mA	—	25~42 Vdc	88%	90%
EUC-150S420ST(SV)	4200 mA	—	21~35 Vdc	87.5%	89.5%
EUC-150S490ST(SV)	4900 mA	—	18~30 Vdc	87.5%	89.5%
EUC-150S595ST(SV)	5950 mA	—	15~25 Vdc	86%	88%

► Model Specification

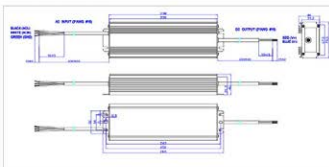
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
EUC-150S035DT(DV)	350 mA	0-10V	214~428 Vdc	110VAC	220VAC
EUC-150S045DT(DV)	450 mA	0-10V	166~333 Vdc	90.5%	92.5%
EUC-150S070DT(DV)	700 mA	0-10V	107~214 Vdc	90.5%	92.5%
EUC-150S105DT(DV)	1050 mA	0-10V	107~142 Vdc	90%	92%
EUC-150S140DT(DV)	1400 mA	0-10V	53~107 Vdc	90%	92%

► Mechanical Outline (unit:mm)

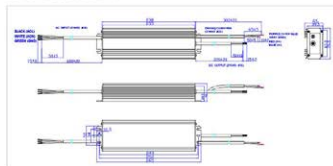
EUC-150SxxxDT



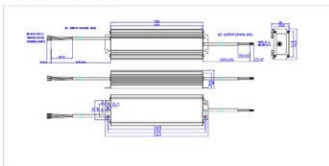
EUC-150SxxxST



EUC-150SxxxDV



EUC-150SxxxSV



Indoor Open Frame
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Full-channel
Constant Current

Indoor Full-channel
Constant Voltage



► Features

- Ultra High Efficiency (Up to 93%)
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Dimming Function
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulations

► Applications

- Street lights, tunnel lights, landscape lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	2.4Amax.@110Vac, 1.2Amax.@220Vac
Efficiency	91%(typ.)@110Vac(full load) , 93%(typ.)@220Vac(full load)
Max. Output Power	200W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1s@110Vac, <0.6s@220Vac
Protection Functions	OTP, OVP, SCP

Environmental Specifications

Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	330,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	238×79.5×46 (mm)

► Model Specification

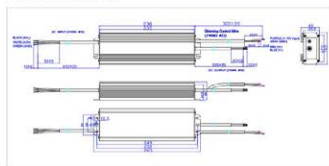
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-200S045ST(SV)	450 mA	-	267~445 Vdc	91%	93%
EUC-200S070ST(SV)	700 mA	-	171~285 Vdc	91%	93%
EUC-200S105ST(SV)	1050 mA	-	114~190 Vdc	90.5%	92.5%
EUC-200S140ST(SV)	1400 mA	-	85~142 Vdc	90%	92%
EUC-200S175ST(SV)	1750 mA	-	68~114 Vdc	90%	92%
EUC-200S210ST(SV)	2100 mA	-	57~95 Vdc	89.5%	91.5%
EUC-200S245ST(SV)	2450 mA	-	48~81 Vdc	89.5%	91.5%
EUC-200S280ST(SV)	2800 mA	-	42~71 Vdc	89%	91%
EUC-200S315ST(SV)	3150 mA	-	38~63 Vdc	89%	91%
EUC-200S350ST(SV)	3500 mA	-	34~57 Vdc	88%	90%
EUC-200S420ST(SV)	4200 mA	-	28~47 Vdc	88%	90%
EUC-200S490ST(SV)	4900 mA	-	24~40 Vdc	88%	90%
EUC-200S560ST(SV)	5600 mA	-	21~35 Vdc	87.5%	89.5%
EUC-200S630ST(SV)	6300 mA	-	19~32 Vdc	87.5%	89.5%
EUC-200S833ST(SV)	8330 mA	-	14~24 Vdc	86%	88%

► Model Specification

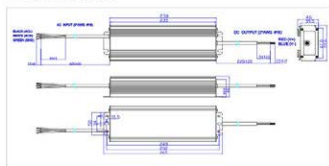
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-200S045DT(DV)	450 mA	0-10V	223~445 Vdc	91%	93%
EUC-200S070DT(DV)	700 mA	0-10V	143~285 Vdc	91%	93%
EUC-200S105DT(DV)	1050 mA	0-10V	95~190 Vdc	90.5%	92.5%
EUC-200S140DT(DV)	1400 mA	0-10V	71~142 Vdc	90%	92%

► Mechanical Outline (unit:mm)

EUC-200SxxxDT



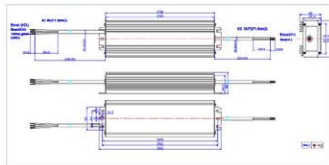
EUC-200SxxxST



EUC-200SxxxDV



EUC-200SxxxSV



Indoor Open-Frame
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Two-channel
Constant Current

Indoor Two-channel
Constant Voltage



► Features

- High Efficiency (Up to 87%)
- Active Power Factor Correction (Typical 0.95)
- Constant Voltage Output
- Waterproof (IP67)
- All-Round Protection: OVP, SCP, OCP, OTP
- Comply With UL, CE, FCC Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Garden Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.96@110Vac, 0.95@220Vac
Input AC Current	0.6A(max.)@110Vac, 0.3A(max.)@220Vac
Efficiency	86%(typ.)@110Vac(full load) , 87%(typ.)@220Vac(full load)
Max. Output Power	36W
Output Voltage Tolerance	±5%
Line Regulation	±1%
Load Regulation	±1.5%
Turn-on Delay Time	<1.0s@110Vac, <0.5s@220Vac
Protection Functions	OVP, OCP, SCP, OTP

Environmental Specifications

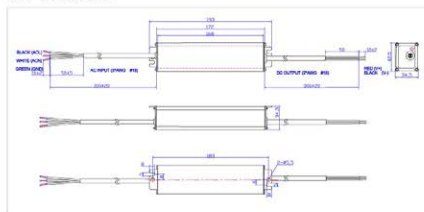
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	371,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	172×42.5×34.5 (mm)

Model Specification

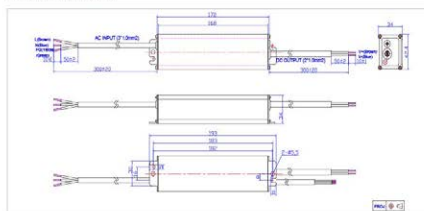
Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-036S024ST(SV)	0~1500 mA	24 Vdc	84%	85%
EUV-036S036ST(SV)	0~1000 mA	36 Vdc	85%	86%
EUV-036S048ST(SV)	0~750 mA	48 Vdc	86%	87%

► Mechanical Outline (unit:mm)

EUV-036SxxxST



EUV-036SxxxSV





Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.96@110Vac, 0.95@220Vac
Input AC Current	0.8A(max.)@110Vac, 0.4A(max.)@220Vac
Efficiency	86%(typ.)@110Vac(full load) , 88%(typ.)@220Vac(full load)
Max. Output Power	52W
Output Voltage Tolerance	±5%
Line Regulation	±1%
Load Regulation	±1.5%
Turn-on Delay Time	<1.0s@110Vac, <0.5s@220Vac
Protection Functions	OVP, OCP, SCP, OTP

► Features

- High Efficiency (Up to 88%)
- Active Power Factor Correction (Typical 0.95)
- Constant Voltage Output
- Waterproof (IP67)
- All-Round Protection: OVP, SCP, OCP, OTP
- Comply With UL, CE, FCC Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Garden Lights, Landscape Lights

Environmental Specifications

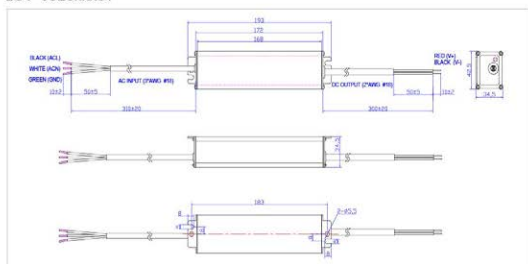
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	321,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	172×42.5×34.5 (mm)

► Model Specification

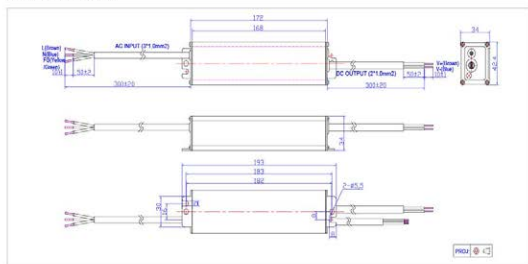
Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-052S024ST(SV)	0~2170 mA	24 Vdc	84%	85%
EUV-052S036ST(SV)	0~1450 mA	36 Vdc	85%	86%
EUV-052S048ST(SV)	0~1080 mA	48 Vdc	86%	88%

► Mechanical Outline (unit:mm)

EUV-052SxxxST



EUV-052SxxxSV



Indoor Open Frame
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Plug-in
Constant Current

Outdoor Plug-in
Constant Voltage

Outdoor Plug-in
Constant Current

Indoor Plug-in
Constant Voltage



► Features

- High Efficiency (Up to 91%)
- Active Power Factor Correction (0.99 Typical)
- Constant Voltage Output
- Lightning Protection
- Waterproof (IP67)
- All-Round Protection: OVP, SCP, OTP
- Meet UL1310 Class2
- Comply With UL,CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties	
Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	0.9A(max.)@110Vac, 0.42A(max.)@220Vac
Efficiency	89%(typ.)@110Vac(full load) , 91%(typ.)@220Vac(full load)
Max. Output Power	76W
Output Voltage Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1%
Turn-on Delay Time	<0.8s@110Vac, <0.6s@220Vac
Protection Functions	OVP,OTP,SCP

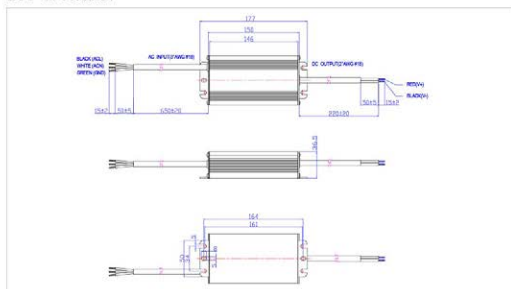
Environmental Specifications	
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=65°C
Dimensions (L×W×H)	150×67.5×36.5 (mm)

► Model Specification

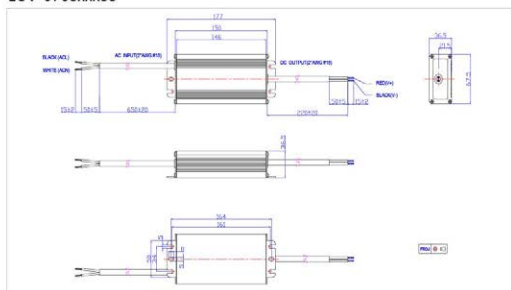
Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-076S012ST(SS)	0~5.00 A	12 Vdc	85%	87%
EUV-076S024ST(SS)	0~3.17 A	24 Vdc	86%	88%
EUV-076S036ST(SS)	0~2.11 A	36 Vdc	87%	89%
EUV-076S042ST(SS)	0~1.81 A	42 Vdc	87%	89%
EUV-076S048ST(SS)	0~1.58 A	48 Vdc	88%	90%
EUV-076S054ST(SS)	0~1.41 A	54 Vdc	89%	91%

► Mechanical Outline (unit:mm)

EUV-076SxxxST



EUV-076SxxxSS



Indoor Open Frame
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor Multi-channel
Constant Voltage



► Features

- Ultra High Efficiency (Up to 90%)
- High Power Factor (0.99 Typical)
- Constant Voltage Output
- Lightning Protection
- All-Round Protection: OVP, OCP, SCP, OTP
- Waterproof (IP67)
- Comply With UL, CE, FCC Safety Regulations
- Suitable For Dry, Damp and Wet location

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	1.2A(max.)@110Vac, 0.6A(max.)@220Vac
Efficiency	87%(typ.)@110Vac(full load) , 90%(typ.)@220Vac(full load)
Max. Output Power	96W
Output Voltage Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1%
Turn-on Delay Time	<3s@110Vac, <2s@220Vac
Protection Functions	OVP,OCP,OTP,SCP

Environmental Specifications

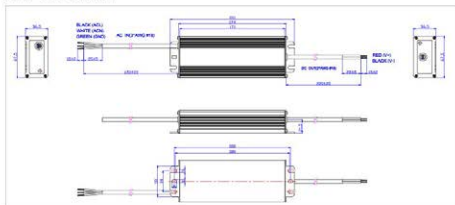
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	400,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	174×67.5×36.5 (mm)

► Model Specification

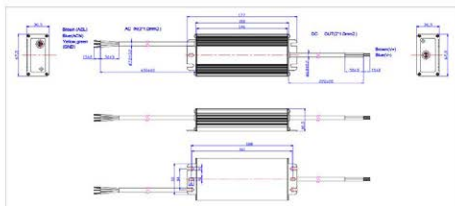
Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-096S024ST (SV)	0~4.00 A	24 Vdc	85%	87%
EUV-096S036ST (SV)	0~2.66 A	36 Vdc	86%	88%
EUV-096S048ST (SV)	0~2.00 A	48 Vdc	86%	88%
EUV-096S054ST (SV)	0~1.77 A	54 Vdc	87%	90%

► Mechanical Outline (unit:mm)

EUV-096SxxxST



EUV-096SxxxSV



Indoor Open Frame
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor High-voltage
Constant Current

Outdoor Single-chip
Constant Voltage

Outdoor High-voltage
Constant Current

High Power
Constant Voltage



► Features

- Ultra High Efficiency (Up to 93%)
- High Power Factor (0.99 Typical)
- Lightning Protection
- Waterproof (IP67)
- All-Round Protection: OVP, OCP, SCP, OTP
- Comply With UL, CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	1.2A(max.)@110Vac, 0.6A(max.)@220Vac
Efficiency	91%(typ.)@110Vac(full load) , 93%(typ.)@220Vac(full load)
Max. Output Power	100W
Output Voltage Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1%
Turn-on Delay Time	<1s@110Vac, <0.6s@220Vac
Protection Functions	OVP,OCP,OTP,SCP

Environmental Specifications

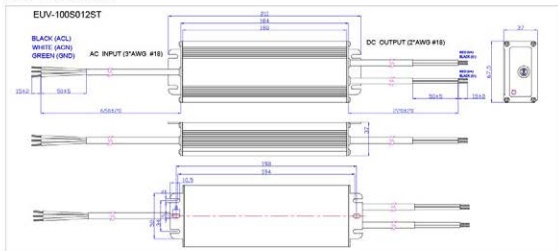
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	439,000 hours Ta=25°C
Life Time	50,000 hours Tc=65°C
Dimensions (L×W×H)	184×67.5×36.5 (mm)

► Model Specification

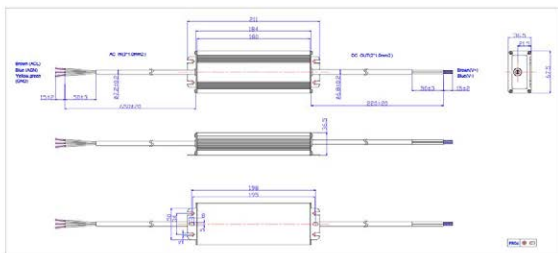
Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-100S012ST(SV)	0~8.33 A	12 Vdc	89%	91%
EUV-100S024ST(SV)	0~4.05 A	24 Vdc	91%	93%
EUV-100S036ST(SV)	0~2.75 A	36 Vdc	90%	93%
EUV-100S042ST(SV)	0~2.35 A	42 Vdc	91%	93%
EUV-100S048ST(SV)	0~1.95 A	48 Vdc	90%	92%
EUV-100S054ST(SV)	0~1.75 A	54 Vdc	91%	92%

► Mechanical Outline (unit:mm)

EUV-100SxxxST



EUV-100SxxxSV



Indoor Down Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Built-out
Constant Voltage

Outdoor Built-out
Constant Voltage

Outdoor Built-out
Constant Voltage

Indoor Built-out
Constant Voltage



► Features

- Ultra High Efficiency (Up to 93%)
- High Power Factor (0.99 Typical)
- Constant Voltage Output
- Lightning Protection
- All-Round Protection: OVP, OCP, SCP, OTP
- Waterproof (IP67)
- Comply With UL, CE, Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	1.75A(max.)@110Vac, 0.8A(max.)@220Vac
Efficiency	90%(typ.)@110Vac(full load) , 93%(typ.)@220Vac(full load)
Max. Output Power	150W
Output Voltage Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1%
Turn-on Delay Time	<1.5s@110Vac, <1s@220Vac
Protection Functions	OVP, OCP, OTP, SCP

Environmental Specifications

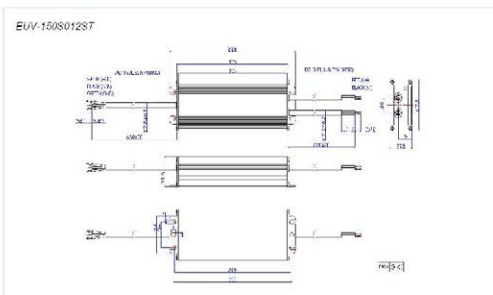
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	250,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	199×67.5×39.5 (mm)

► Model Specification

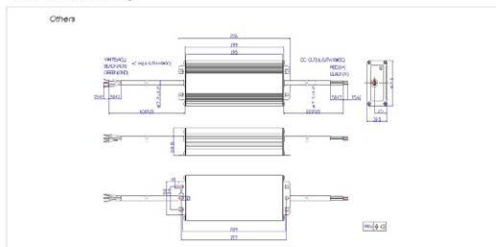
Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-150S012ST	0~12.5 A	12 Vdc	89%	92%
EUV-150S020ST	0~7.50 A	20 Vdc	90%	92%
EUV-150S024ST	0~6.25 A	24 Vdc	90%	93%
EUV-150S036ST	0~4.17 A	36 Vdc	90%	93%
EUV-150S042ST	0~3.57 A	42 Vdc	90%	93%
EUV-150S048ST	0~3.13 A	48 Vdc	90%	93%
EUV-150S012STQ	0~12.5 A	12 Vdc	89%	92%
EUV-150S020STQ	0~7.5 A	20 Vdc	89%	92%
EUV-150S024STQ	0~6.25 A	24 Vdc	90%	93%
EUV-150S036STQ	0~4.17 A	36 Vdc	90%	93%
EUV-150S042STQ	0~3.57 A	42 Vdc	90%	93%
EUV-150S048STQ	0~3.13 A	48 Vdc	90%	93%
EUV-150S054STQ	0~2.78 A	54 Vdc	90%	93%

► Mechanical Outline (unit:mm)

EUV-150SxxxST



EUV-150SxxxSTQ



Indoor Open Frame
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor Built-in
Constant Voltage



► Features

- Adaptive Constant Voltage Output
- High Power Factor (0.99 Typical)
- Ultra High Efficiency (Up to 91%)
- Lightning Protection
- All-Round Protection: OVP, OLP, SCP, OTP
- Waterproof (IP67)
- Comply with UL, CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties	
Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	2A(max.)@110Vac, 0.95A(max.)@220Vac
Efficiency	89%(typ.)@110Vac(full load) , 91%(typ.)@220Vac(full load)
Max. Output Power	160W
Output Voltage Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<1s@110Vac, <0.6s@220Vac
Protection Functions	OTP, OLP, SCP, OVP

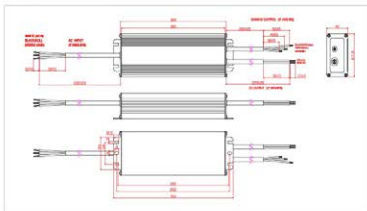
Environmental Specifications	
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Ta=45°C
Dimensions (L×W×H)	189×67.5×40 (mm)

► Model Specification

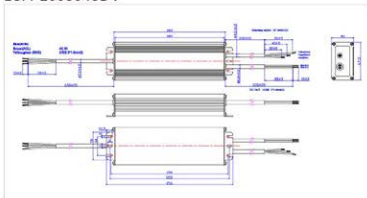
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUA-160S048ST(SV)	0 - 2.67 A		36~60 Vdc	89%	91%
EUA-160S048DT(DV)	0 - 2.67 A	0-10V	36~60 Vdc	89%	91%

► Mechanical Outline (unit:mm)

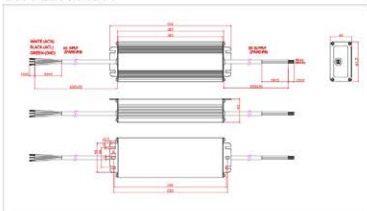
EUA-160S048DT



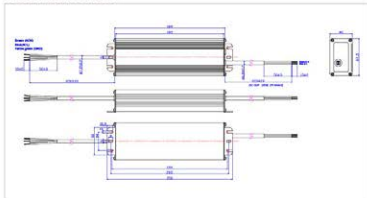
EUA-160S048DV



EUA-160S048ST



EUA-160S048SV





► Features

- Ultra High Efficiency (Up to 93%)
- High Power Factor (0.99 Typical)
- Constant Voltage Output
- Lightning Protection
- Waterproof (IP67)
- All-Round Protection: OVP, OCP, SCP, OTP
- Comply With UL, CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties	
Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.97@220Vac
Input AC Current	2.3A(max.)@110Vac, 1.1A(max.)@220Vac
Efficiency	90%(typ.)@110Vac(full load) , 93%(typ.)@220Vac(full load)
Max. Output Power	200W
Output Voltage Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1%
Turn-on Delay Time	<1.5s@110Vac, <1s@220Vac
Protection Functions	OVP, OCP, OTP, SCP

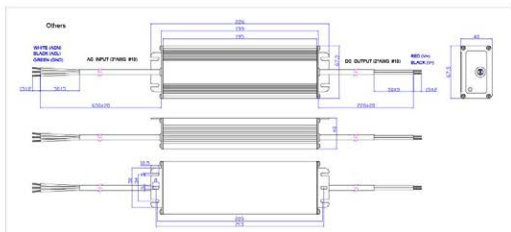
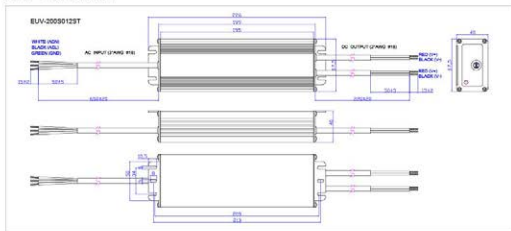
Environmental Specifications	
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	247,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	199×67.5×40 (mm)

► Model Specification

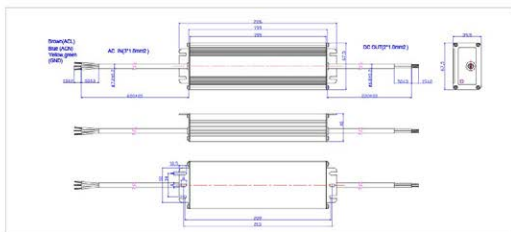
Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-200S012ST(SV)	0~15.0 A	12 Vdc	89%	91%
EUV-200S024ST(SV)	0~8.33 A	24 Vdc	90%	92%
EUV-200S036ST(SV)	0~5.56 A	36 Vdc	90.5%	92.5%
EUV-200S048ST(SV)	0~4.17 A	48 Vdc	90.5%	92.5%
EUV-200S054ST(SV)	0~3.70 A	54 Vdc	90.5%	93%

► Mechanical Outline (unit:mm)

EUV-200SxxxST



EUV-200SxxxSV



Indoor Open Beam
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor Multi-channel
Constant System



► Features

- Ultra High Efficiency (Up to 94%)
- High Power Factor (0.99 Typical)
- Constant Voltage Output
- Lightning Protection
- All-Round Protection: OVP, OCP, SCP, OTP
- Waterproof (IP67)
- Comply With UL,CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	2.8A(max.)@110Vac, 1.4A(max.)@220Vac
Efficiency	92.5%(typ.)@110Vac(full load) , 94%(typ.)@220Vac(full load)
Max. Output Power	250W
Output Voltage Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<0.2s@110Vac, <0.2s@220Vac
Protection Functions	OVP,OCP,OTP,SCP

Environmental Specifications

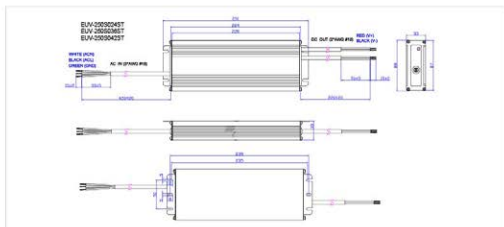
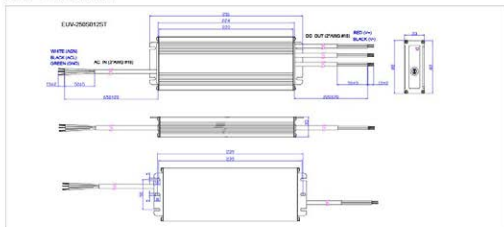
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	250,000 hours Ta=25°C
Life Time	150,000 hours Tc=70°C
Dimensions (L×W×H)	224×88×33.5 (mm)

► Model Specification

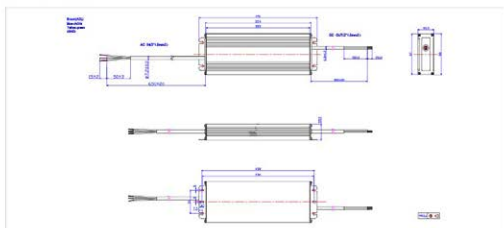
Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-250S012ST(SV)	0~18.33 A	12 Vdc	89.5%	91.5%
EUV-250S024ST(SV)	0~10.41 A	24 Vdc	91.0%	93.0%
EUV-250S028ST(SV)	0~8.93 A	28 Vdc	92.0%	93.5%
EUV-250S036ST(SV)	0~6.94 A	36 Vdc	92.0%	94.0%
EUV-250S042ST(SV)	0~5.95 A	42 Vdc	91.5%	93.5%
EUV-250S048ST(SV)	0~5.20 A	48 Vdc	92.0%	93.5%
EUV-250S054ST(SV)	0~4.62 A	54 Vdc	92.5%	94.0%

► Mechanical Outline (unit:mm)

EUV-250SxxxST



EUV-250SxxxSV



Indoor Data Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Single-lumen
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor Multi-channel
Constant Current



► Features

- Ultra High Efficiency (Up to 94%)
- High Power Factor (0.99 Typical)
- Constant Voltage Output
- Lightning Protection
- All-Round Protection: OVP, OCP, SCP, OTP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	3.3A(max.)@110Vac, 1.6A(max.)@220Vac
Efficiency	92.5%(typ.)@110Vac(full load) , 94%(typ.)@220Vac(full load)
Max. Output Power	300W
Output Voltage Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<0.2s@110Vac, <0.2s@220Vac
Protection Functions	OVP,OCP,OTP,SCP

Environmental Specifications

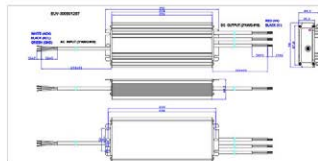
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	250,000 hours Ta=25°C
Life Time	100,000 hours Tc=70°C
Dimensions (L×W×H)	224×98×44.5 (mm)

► Model Specification

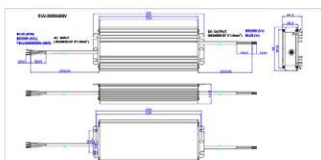
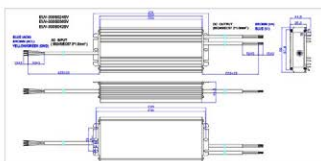
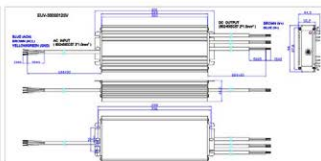
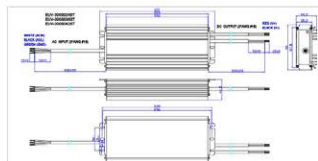
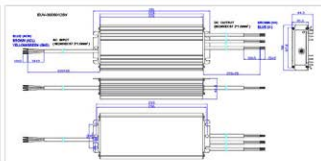
Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			110VAC	220VAC
EUV-300S012ST(SV)	0~22.9 A	12 Vdc	89.5%	91.5%
EUV-300S024ST(SV)	0~12.5 A	24 Vdc	89.0%	91.0%
EUV-300S028ST(SV)	0~10.7 A	28 Vdc	89.5%	91.5%
EUV-300S036ST(SV)	0~8.33 A	36 Vdc	90.0%	92.0%
EUV-300S048ST(SV)	0~6.25 A	48 Vdc	92.0%	93.5%
EUV-300S054ST(SV)	0~5.55 A	54 Vdc	92.5%	94.0%

► Mechanical Outline (unit:mm)

EUV-300SxxxST



EUV-300SxxxSV



Indoor Open Beam
Constant Current

Indoor Built-out
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Outdoor
Constant Current



► Features

- Ultra High Efficiency (Up to 92%)
- High Power Factor (0.95 Typical)
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP and Open Lamp Protection
- IP67 and UL Wet Location Approved
- UL,CE,FCC Safety Certifications Approved

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	249~528 Vac
Input Frequency	47~63 Hz
Power Factor	0.95@277Vac, 0.90@480Vac
Input AC Current	1.4A(max.)@277Vac, 0.8A(max.)@480Vac
Efficiency	92%(typ.)@277Vac(full load) , 91%(typ.)@480Vac(full load)
Max. Output Power	300W
Output Voltage Tolerance	±5%
Line Regulation	±1%
Load Regulation	±1.5%
Turn-on Delay Time	<3s
Protection Functions	OCP,OTP,SCP,Open Lamp Protection

Environmental Specifications

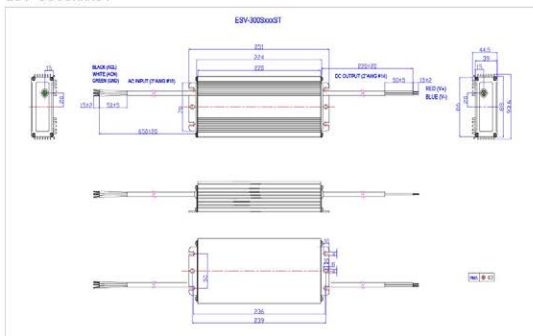
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	92,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	224×93.6×44.5 (mm)

► Model Specification

Model Number	Output Current Range	Output Voltage	Typical Full Load Efficiency	
			277VAC	480VAC
ESV-300S024ST	0~12.50 A	24 Vdc	91%	90%
ESV-300S028ST	0~10.71 A	28 Vdc	91.5%	91%
ESV-300S036ST	0~8.33 A	36 Vdc	91.5%	91%
ESV-300S048ST	0~6.25 A	48 Vdc	92%	91%

► Mechanical Outline (unit:mm)

ESV-300SxxxST



Indoor Open Frame
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-chamber
Constant Current

Outdoor Single-chamber
Constant Voltage

Outdoor Multi-chamber
Constant Current

Outdoor
Constant Voltage



► Features

- Ultra High Efficiency (Up to 91%)
- Dual Channel Output
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties	
Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	1.2A(max.)@110Vac, 0.6A(max.)@220Vac
Efficiency	89%(typ.)@110Vac(full load) , 91%(typ.)@220Vac(full load)
Max. Output Power	100W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1s@110Vac, <0.6s@220Vac
Protection Functions	OTP, OVP, SCP

Environmental Specifications	
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	198×67.5×36.5 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency	
			110VAC	220VAC
EUC-100D035ST(SV)	350 mA	90~142 Vdc	89%	91%



► Features

- Ultra High Efficiency (Up to 91%)
- Triple Channel Output
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.94@220Vac
Input AC Current	1.51A(max.)@110Vac, 0.7A(max.)@220Vac
Efficiency	88%(typ.)@110Vac(full load), 91%(typ.)@220Vac(full load)
Max. Output Power	113W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<3s@110Vac, <3s@220Vac
Protection Functions	OTP, SCP, OVP

Environmental Specifications

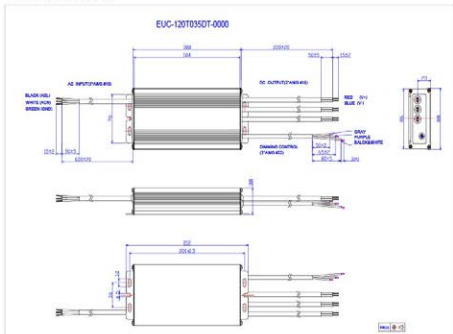
Operating Temperature	-40~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	188×88×38 (mm)

► Model Specification

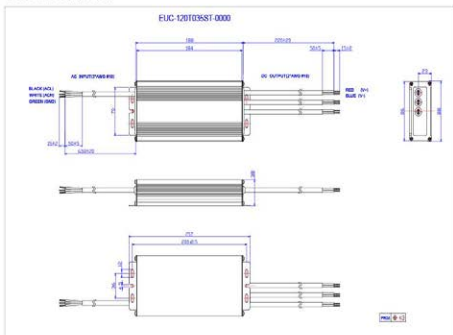
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-108T070ST	700 mA	-	29~54 Vdc	88%	91%
EUC-108T105ST	1050 mA	-	19~36 Vdc	87%	90%
EUC-108T140ST	1400 mA	-	14~25 Vdc	87%	90%
EUC-108T070DT	700 mA	0-10V	29~54 Vdc	88%	91%
EUC-108T105DT	1050 mA	0-10V	19~36 Vdc	87%	90%
EUC-108T140DT	1400 mA	0-10V	14~25 Vdc	87%	90%

► Mechanical Outline (unit:mm)

EUC-108TxxxDT



EUC-108TxxxST



Indoor Open Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor Multi-channel
Constant Current

Indoor Open Frame
Constant Current

 Indoor Built-out
Constant Current

 Indoor Built-in
Constant Voltage

 Outdoor Built-out
Constant Current

 Outdoor Built-in
Constant Voltage

 Outdoor Multi-lumen
Constant Current

 Outdoor
Dimmable


► Features

- Ultra High Efficiency (Up to 92%)
- Dual Channel Output
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.95@220Vac
Input AC Current	1.5A(max.)@110Vac, 0.7A(max.)@220Vac
Efficiency	90%(typ.)@110Vac(full load), 92%(typ.)@220Vac(full load)
Max. Output Power	120W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<3s@110Vac, <1s@220Vac
Protection Functions	OTP, OVP, SCP

Environmental Specifications

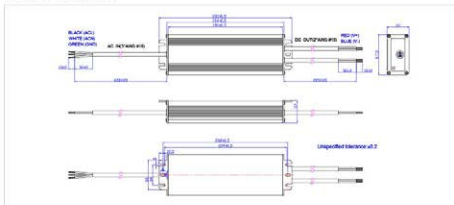
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	350,000 hours Ta=25°C
Life Time	50,000 hours Tc=65°C
Dimensions (L×W×H)	194×67.5×37 (mm)

► Model Specification

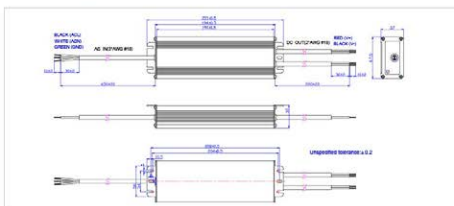
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-120D035ST(SV)	350 mA	-	103~171 Vdc	90%	92%
EUC-120D070ST(SV)	700 mA	-	52 ~ 86 Vdc	90%	92%
EUC-120D105ST(SV)	1050 mA	-	34 ~ 57 Vdc	90%	92%
EUC-120D245ST(SV)	2450 mA	-	14 ~ 24 Vdc	89%	91%
EUC-120D035TT	350 mA	Timer Dimming	85~171 Vdc	90%	92%
EUC-120D070TT	700 mA	Timer Dimming	43 ~ 86 Vdc	90%	92%
EUC-120D105TT	1050 mA	Timer Dimming	28 ~ 56 Vdc	90%	92%
EUC-120D245TT	2450 mA	Timer Dimming	12 ~ 24 Vdc	89%	91%

► Mechanical Outline (unit:mm)

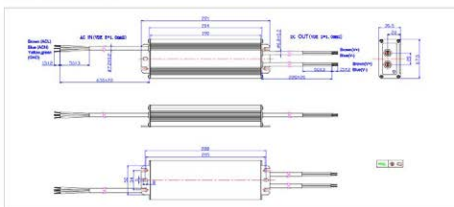
EUC-120DxxxST



EUC-120DxxxTT



EUC-120DxxxSV



Indoor Open Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor Multi-channel
Constant Voltage



► Features

- Ultra High Efficiency (Up to 92%)
- Triple Channel Output
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With CE, CQC, TUV, CB Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.94@220Vac
Input AC Current	1.51A(max.)@110Vac, 0.7A(max.)@220Vac
Efficiency	89%(typ.)@110Vac(full load), 92%(typ.)@220Vac(full load)
Max. Output Power	120W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<3s@110Vac, <3s@220Vac
Protection Functions	OTP, SCP, OVP

Environmental Specifications

Operating Temperature	-40~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Ta=45°C
Dimensions (L×W×H)	188×88×38 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-120T035ST	350 mA	-	57~114 Vdc	89%	92%
EUC-120T035SV	350 mA	-	57~103 Vdc	89%	92%
EUC-120T045ST(SV)	450 mA	-	45~90 Vdc	89%	92%
EUC-120T060ST(SV)	600 mA	-	40~70 Vdc	88.5%	91.5%
EUC-120T070ST(SV)	700 mA	-	29~57 Vdc	88.5%	91.5%
EUC-120T105ST(SV)	1050 mA	-	19~38 Vdc	87%	90%
EUC-120T140ST(SV)	1400 mA	-	14~29 Vdc	87%	90%
EUC-120T035DT	350 mA	0-10V	57~114 Vdc	89%	92%
EUC-120T035DV	350 mA	0-10V	57~103 Vdc	89%	92%
EUC-120T045DT(DV)	450 mA	0-10V	45~90 Vdc	89%	92%
EUC-120T060DT(DV)	600 mA	0-10V	40~70 Vdc	88.5%	91.5%
EUC-120T070DT(DV)	700 mA	0-10V	29~57 Vdc	88.5%	91.5%
EUC-120T105DT(DV)	1050 mA	0-10V	19~38 Vdc	87%	90%
EUC-120T140DT(DV)	1400 mA	0-10V	14~29 Vdc	87%	90%



► Features

- Ultra High Efficiency (Up to 91.0%)
- Quad Channel Output
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.95@220Vac
Input AC Current	2.1A(max.)@110Vac, 0.9A(max.)@220Vac
Efficiency	88%(typ.)@110Vac(full load), 91%(typ.)@220Vac(full load)
Max. Output Power	151W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<3s@110Vac, <3s@220Vac
Protection Functions	OTP, SCP, OVP

Environmental Specifications

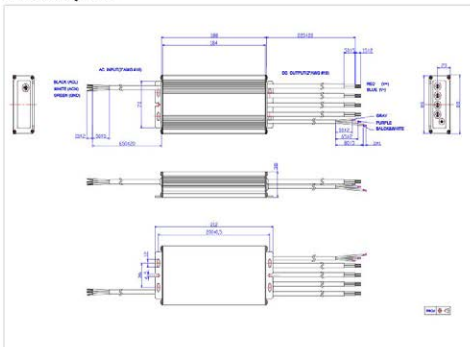
Operating Temperature	-40~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	188×88×38 (mm)

► Model Specification

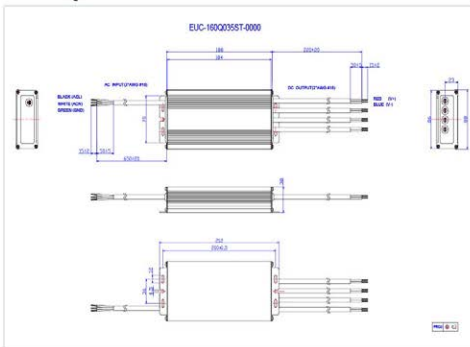
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-144Q070ST	700 mA	-	29~54 Vdc	88%	91%
EUC-144Q105ST	1050 mA	-	19~36 Vdc	87%	90%
EUC-144Q140ST	1400 mA	-	14~25 Vdc	86%	89%
EUC-144Q070DT	700 mA	0-10V	29~54 Vdc	88%	91%
EUC-144Q105DT	1050 mA	0-10V	19~36 Vdc	87%	90%
EUC-144Q140DT	1400 mA	0-10V	14~25 Vdc	86%	89%

► Mechanical Outline (unit:mm)

EUC-144QxxxDT



EUC-144QxxxST



Indoor Open Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor Multi-channel
Constant Current



► Features

- Ultra High Efficiency (Up to 92.0%)
- Active Power Factor Correction (0.99 Typical)
- Dimming Function
- Constant Current Output
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulation

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.95@220Vac
Input AC Current	1.8A(max.)@110Vac, 0.9A(max.)@220Vac
Efficiency	90%(typ.)@110Vac(full load), 92%(typ.)@220Vac(full load)
Max. Output Power	150W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<3s@220Vac
Protection Functions	OTP, OVP, SCP

Environmental Specifications

Operating Temperature	-40~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	199×67.5×39.5 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Dimming	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-150S053STA	530 mA	142~283Vdc	-	90%	92%
EUC-150S070STA	700 mA	107~214Vdc	-	90%	92%
EUC-150S105STA	1050 mA	71~142 Vdc	-	90%	92%
EUC-150S140STA	1400 mA	53~107 Vdc	-	89%	91%
EUC-150S210STA	2100 mA	36~71.5Vdc	-	89%	91%
EUC-150S245STA	2450 mA	31~61.2Vdc	-	89%	91%
EUC-150S280STA	2800 mA	27~53.5Vdc	-	89%	91%
EUC-150S315STA	3150 mA	24~47 Vdc	-	89%	89%
EUC-150S053DTA	530 mA	142~283Vdc	0-10V	90%	92%
EUC-150S070DTA	700 mA	107~214Vdc	0-10V	90%	92%
EUC-150S105DTA	1050 mA	71~142 Vdc	0-10V	90%	92%
EUC-150S140DTA	1400 mA	53~107 Vdc	0-10V	89%	91%
EUC-150S210DTA	2100 mA	36~71.5Vdc	0-10V	89%	91%
EUC-150S245DTA	2450 mA	31~61.2Vdc	0-10V	89%	91%
EUC-150S280DTA	2800 mA	27~53.5Vdc	0-10V	89%	91%
EUC-150S315DTA	3150 mA	24~47 Vdc	0-10V	89%	89%



► Features

- Ultra High Efficiency (Up to 91%)
- Triple Channel Output
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.95@220Vac
Input AC Current	1.7A(max.)@110Vac, 0.8A(max.)@220Vac
Efficiency	89%(typ.)@110Vac(full load), 91%(typ.)@220Vac(full load)
Max. Output Power	150W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1s@110Vac, <0.8s@220Vac
Protection Functions	OTP, OVP, SCP

Environmental Specifications

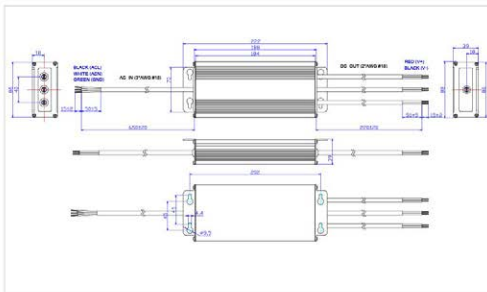
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	230,000 hours Ta=25°C
Life Time	50,000 hours Tc=65°C
Dimensions (L×W×H)	188×88×38 (mm)

► Model Specification

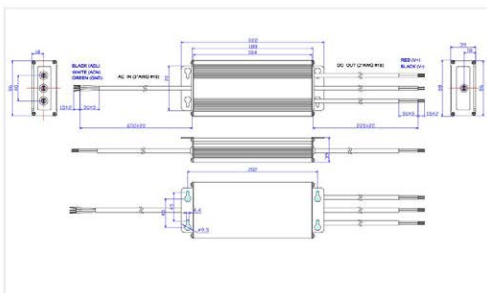
Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency	
EUC-150T035ST(SV)	350 mA	90~142 Vdc	110VAC 89%	220VAC 91%

► Mechanical Outline (unit:mm)

EUC-150T035ST



EUC-150T035SV



Indoor Open Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor Multi-channel
Constant Current



Electrical Properties	
Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.95@220Vac
Input AC Current	2.1A(max.)@110Vac, 0.9A(max.)@220Vac
Efficiency	89%(typ.)@110Vac(full load), 92%(typ.)@220Vac(full load)
Max. Output Power	168W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<3s@110Vac, <3s@220Vac
Protection Functions	OTP,SCP,OVP

► Features

- Ultra High Efficiency (Up to 92.0%)
- Quad Channel Output
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL,CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

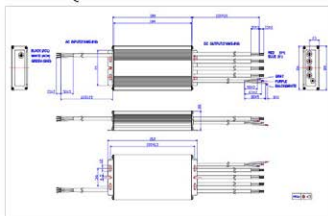
Environmental Specifications	
Operating Temperature	-40~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	188×88×38 (mm)

► Model Specification

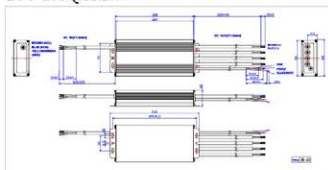
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
EUC-160Q035ST	350 mA	—	57~114 Vdc	110VAC	220VAC
EUC-160Q035SV	350 mA	—	57~103 Vdc	89%	92%
EUC-160Q045ST(SV)	450 mA	—	45~90 Vdc	89%	92%
EUC-160Q060ST(SV)	600 mA	—	40~70 Vdc	88.5%	91.5%
EUC-160Q070ST(SV)	700 mA	—	29~57 Vdc	88.5%	91.5%
EUC-160Q105ST(SV)	1050 mA	—	19~38 Vdc	87%	90%
EUC-160Q140ST(SV)	1400 mA	—	14~29 Vdc	87%	90%
EUC-160Q035DT	350 mA	0-10V	57~114 Vdc	89%	92%
EUC-160Q035DV	350 mA	0-10V	57~103 Vdc	89%	92%
EUC-160Q045DT(DV)	450 mA	0-10V	45~90 Vdc	89%	92%
EUC-160Q060DT(DV)	600 mA	0-10V	40~70 Vdc	88.5%	91.5%
EUC-160Q070DT(DV)	700 mA	0-10V	29~57 Vdc	88.5%	91.5%
EUC-160Q105DT(DV)	1050 mA	0-10V	19~38 Vdc	87%	90%
EUC-160Q140DT(DV)	1400 mA	0-10V	14~29 Vdc	87%	90%

► Mechanical Outline (unit:mm)

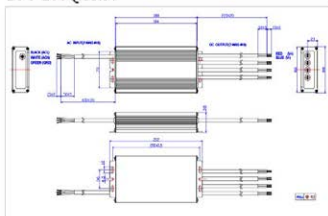
EUC-160QxxxDT



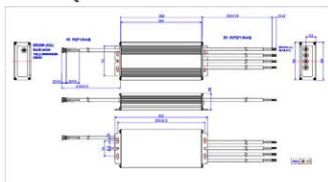
EUC-160QxxxDV



EUC-160QxxxST



EUC-160QxxxSV



Indoor Open Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Built-out
Constant Current

Outdoor Built-out
Constant Voltage

Outdoor Built-out
Constant Current

Indoor Built-out
Constant Current



Electrical Properties	
Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.94@220Vac
Input AC Current	2.5A(max.)@110Vac, 1.1A(max.)@220Vac
Efficiency	89%(typ.)@110Vac(full load), 92%(typ.)@220Vac(full load)
Max. Output Power	189W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<3s@110Vac, <3s@220Vac
Protection Functions	OTP,SCP,OVP

► Features

- Ultra High Efficiency (Up to 92.0%)
- Pentad Channel Output
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL,CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Environmental Specifications	
Operating Temperature	-40~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	210×82×38 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-180P070ST	700 mA	-	29~54 Vdc	89%	92%
EUC-180P105ST	1050 mA	-	19~36 Vdc	87%	90%
EUC-180P140ST	1400 mA	-	14~25 Vdc	87%	90%
EUC-180P070DT	700 mA	0-10V	29~54 Vdc	89%	92%
EUC-180P105DT	1050 mA	0-10V	19~36 Vdc	87%	90%
EUC-180P140DT	1400 mA	0-10V	14~25 Vdc	87%	90%



► Features

- Ultra High Efficiency (Up to 92.5%)
- Pentad Channel Output
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties	
Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.94@220Vac
Input AC Current	2.5A(max.)@110Vac, 1.1A(max.)@220Vac
Efficiency	90%(typ.)@110Vac(full load), 92.5%(typ.)@220Vac(full load)
Max. Output Power	200W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<3s@110Vac, <3s@220Vac
Protection Functions	OTP, SCP, OVP

Environmental Specifications	
Operating Temperature	-40~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	30,000 hours Tc=60°C
Dimensions (L×W×H)	210×82×38 (mm)

► Model Specification

Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-200P035ST	350 mA	—	57~114 Vdc	89%	92.5%
EUC-200P035SV	350 mA	—	57~103 Vdc	89%	92.5%
EUC-200P045ST(SV)	450 mA	—	45~90 Vdc	89%	92.5%
EUC-200P060ST(SV)	600 mA	—	40~70 Vdc	88.5%	92%
EUC-200P070ST(SV)	700 mA	—	29~57 Vdc	88.5%	92%
EUC-200P035DT	350 mA	0-10V	57~114 Vdc	89%	92.5%
EUC-200P035DV	350 mA	0-10V	57~103 Vdc	89%	92.5%
EUC-200P045DT(DV)	450 mA	0-10V	45~90 Vdc	89%	92.5%
EUC-200P060DT(DV)	600 mA	0-10V	40~70 Vdc	88.5%	92%
EUC-200P070DT(DV)	700 mA	0-10V	29~57 Vdc	88.5%	92%



► Features

- Ultra High Efficiency (Up to 91.0%)
- Hexad Channels Output
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties

Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.95@220Vac
Input AC Current	2.9A(max.)@110Vac, 1.3A(max.)@220Vac
Efficiency	89%(typ.)@110Vac(full load), 91.5%(typ.)@220Vac(full load)
Max. Output Power	240W
Output Current Tolerance	±5%
Line Regulation	±1%
Load Regulation	±3%
Turn-on Delay Time	<3s@110Vac, <2s@220Vac
Protection Functions	OTP, SCP, OVP

Environmental Specifications

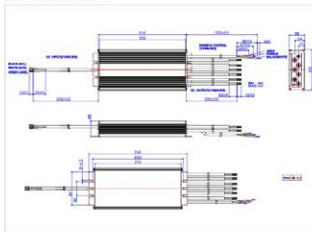
Operating Temperature	-40~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Ta=45°C
Dimensions (L×W×H)	210×100×38 (mm)

► Model Specification

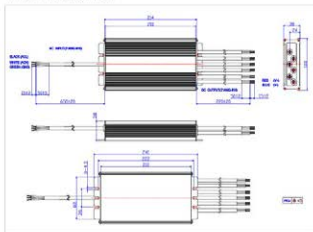
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
EUC-240H035ST	350 mA	-	57~114 Vdc	88%	91%
EUC-240H035SV	350 mA	-	57~103 Vdc	88%	91.5%
EUC-240H070ST(SV)	700 mA	-	29~54 Vdc	88%	91%
EUC-240H105ST(SV)	1050 mA	-	19~38 Vdc	87%	90.5%
EUC-240H140ST(SV)	1400 mA	-	15~25.7Vdc	86%	90%
EUC-240H035DT	350 mA	0-10V	57~114 Vdc	89%	91%
EUC-240H035DV	350 mA	0-10V	57~103 Vdc	88%	91.5%
EUC-240H070DT(DV)	700 mA	0-10V	29~54 Vdc	88%	91%
EUC-240H105DT(DV)	1050 mA	0-10V	19~38 Vdc	87%	90.5%
EUC-240H140DT(DV)	1400 mA	0-10V	15~25.7Vdc	86%	90%

► Mechanical Outline (unit:mm)

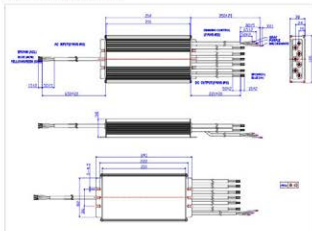
EUC-240HxxxDT



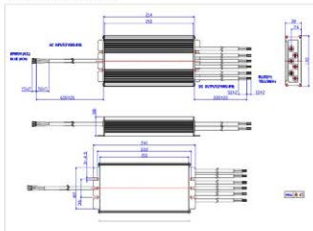
EUC-240HxxxST



EUC-240HxxxDV



EUC-240HxxxSV



Indoor Open Frame
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Built-out
Constant Current

Outdoor Built-out
Constant Voltage

Outdoor Built-out
Constant Current

Outdoor Built-out
Constant Voltage



► Features

- Ultra High Efficiency (Up to 91%)
- Quad Channel Output
- Active Power Factor Correction (0.99 Typical)
- Constant Current Output
- Lightning Protection
- All-Round Protection: SCP, OTP, OVP
- Waterproof (IP67)
- Comply With UL, CE Safety Regulations

► Applications

- Street Lights, Tunnel Lights, Landscape Lights

Electrical Properties	
Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	2.3A(max.)@110Vac, 1.1A(max.)@220Vac
Efficiency	88%(typ.)@110Vac(full load), 91%(typ.)@220Vac(full load)
Max. Output Power	200W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%
Turn-on Delay Time	<1s@110Vac, <0.8s@220Vac
Protection Functions	OTP, OVP, SCP

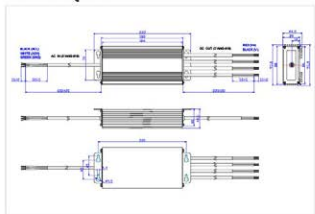
Environmental Specifications	
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	188×93.9×43.5 (mm)

► Model Specification

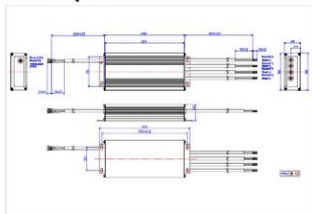
Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency	
EUC-200Q035ST(SV)	350 mA	90~142 Vdc	110VAC 88%	220VAC 91%

► Mechanical Outline (unit:mm)

EUC-200Q035ST



EUC-200Q035SV



► Features

- Intelligent Dimming
- Turner for Each Lamp
- IR/Voice Sensitive Control
- Temperature Protection
- Constant Lumen Control
- Various Dimming Methods
- IP67 Waterproof

► Applications

- Street Lights
& Tunnel Lights



Multi-function Controller



DALI Controller



Power Line Carrier Controller



Dimming Controller with
Timing/Light Control



RS485 Controller

Indoor Type 1 Form
Constant Current

Indoor Built-out
Constant Current

Indoor Built-out
Constant Voltage

Outdoor Single-terminal
Constant Current

Outdoor Single-terminal
Constant Voltage

Outdoor Two-terminal
Constant Current

Indoor Built-out
Constant Voltage



► Features

- Convert DALI Signal to 0-10V Dimming Signal
- Comply with DALI Protocol
- DALI Slave
- On/OFF Control for LED Lamp

► Applications

- LED Light Intelligent Control

Electrical Properties

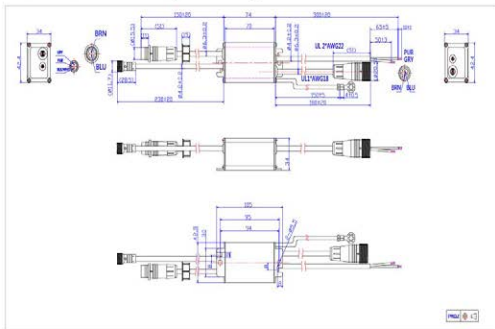
Auxiliary Input Voltage	11.4~16 V
Input Current	20 mA
Dimming Output Voltage Range	0-10V
Dimming Output Current	+5mA/ 10mA
MTBF	300,000 hours Ta=25°C
Dimensions (L×W×H)	74×42.4×34 (mm)

Operating Temperature	-40~60°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH

► Model Specification

Model	Max. Input Voltage	Max Input Current
WDS-ADFN0	80 V	5 A
WDS-ADFN1	500 V	2 A

► Mechanical Outline (unit:mm)



Indoor Type 0-10V
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Single-channel
Constant Current

Outdoor Single-channel
Constant Voltage

Outdoor Multi-channel
Constant Current

Indoor
Constant Voltage



► Features

- Convert PLC signal to 0-10V dimming signal
- PLC (Power Line Carrier) Slave
- On/OFF Control for LED Driver
- 10KV Surge Protection
- Input Line OVP
- Turn on AC Output near zero cross point

► Applications

- LED Light Intelligent Control

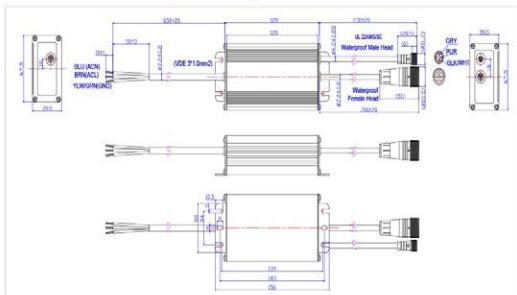
Electrical Properties	
Input Voltage	90-305 Vac
Input Frequency	47~63 Hz
Input AC Current	4 A
Modulation Scheme	BPSK
Carrier Center Frequency	132 kHz
Communication Rate	5500 BPS
Receiving Sensitivity	-60 dBV
Dimming Output Voltage Range	0-10V
Dimming Output Current	+5mA/ 10mA
Over Voltage Protection	350 Vac (tpy.)
Over Voltage Recovery	330 Vac (tpy.)
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Ta=45°C
Dimensions (L×W×H)	129×67.5×39.5 (mm)

Environmental Specifications	
Operating Temperature	-40~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH

► Model Specification

Model	Max. Input Voltage	Max Input Current
WUD-APFN	305 Vac	4 A

► Mechanical Outline (unit:mm)





► Features

- Convert RS485 Signal to 0-10V Dimming Signal
- RS485 Slave
- On/OFF Control for LED Driver
- 10KV Surge Protection
- Input Line OVP
- Turn on AC Output Near Zero Cross Point

► Applications

- LED Light Intelligent Control

Electrical Properties

Input Voltage	90-305 Vac
Input Frequency	47~63 Hz
Input AC Current	4 A
Output Current	250 mA
RS485 Logic 0 Input	-6~-0.2 V
RS485 Logic 1 input	0.2~6 V
RS485 Logic 0 output	-5~-2 V
RS485 Logic 1 output	2~5V
Dimming Output Voltage Range	0-10V
Dimming Output Current	+5mA/-10mA
Over Voltage Protection	350 Vac(tpy.)
Over Voltage Recovery	330 Vac(tpy.)
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Ta=45°C
Dimensions (L×W×H)	129×67.5×39.5 (mm)

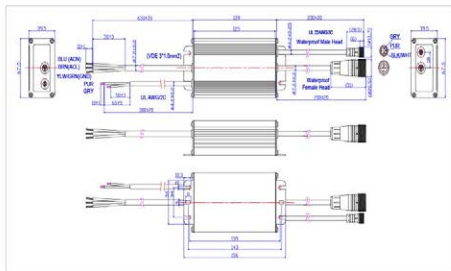
Environmental Specifications

Operating Temperature	-40~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH

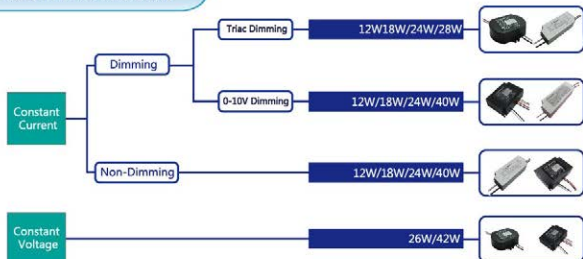
► Model Specification

Model	Max Input Voltage	Max Input Current	Control Interface
WUD-ARFN	305 Vac	4 A	RS485

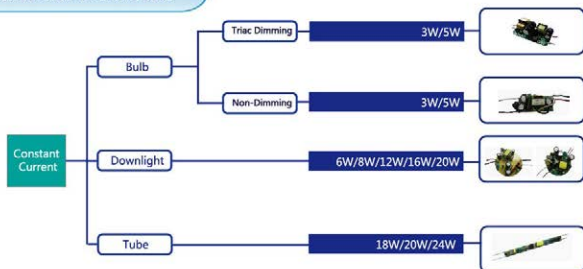
► Mechanical Outline (unit:mm)



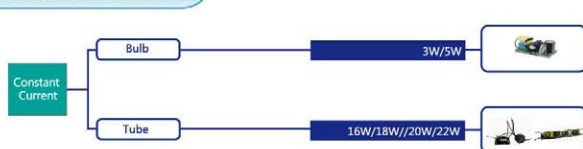
External & Isolated

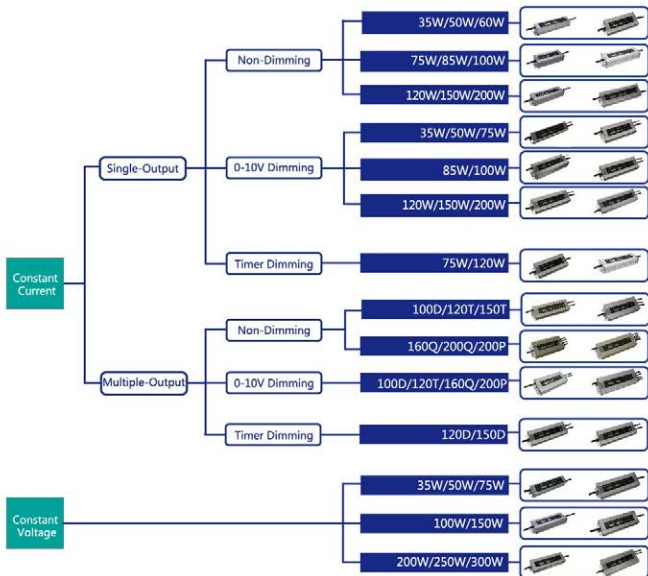


Internal & Isolated



Internal & Non-Isolated





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