



► 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

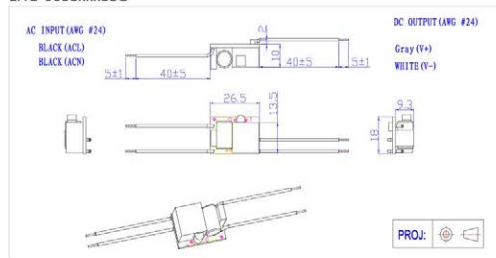
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Ta=50°C
Dimensions (LxWxH)	26.5 x 18 x 13.5 (mm)

► 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

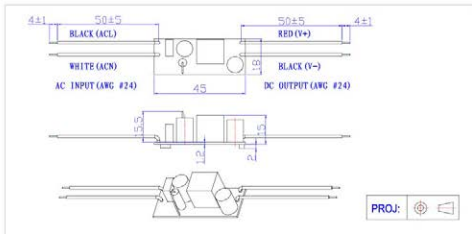
Environmental Specifications	
Operating Temperature	-10~75°C
Storage Temperature	-10~80°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	1,000,000 hours Ta=25°C
Life Time	11,000 hours Ta=70°C
Dimensions (L×W×H)	45×18×18 (mm)

► 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

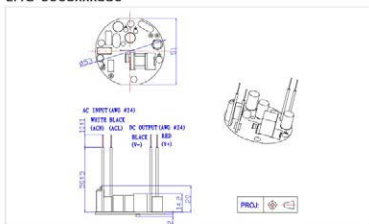
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=45°C
Dimensions (D×H)	53×25 (mm)

► 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

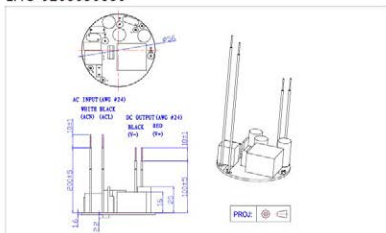
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	30,000 hours Ta=45°C
Dimensions (D×H)	56×25 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
LHC-016S030S50	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

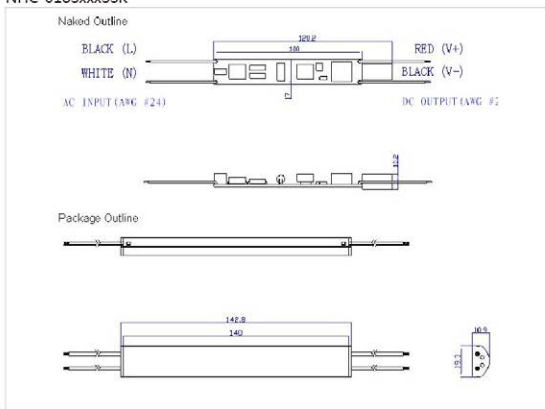
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Ta=45°C
Dimensions (L×W×H)	126.2×2×17 (mm)

► 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



► Features

- Support Customized Output Current
- Constant Current Output
- High Efficiency (Up to 88%)
- Active Power Factor Correction
- All-Round Protection: OLP, SCP and Open Lamp Protection
- Isolated Output
- Comply with CE Safety Standards

► Applications

- Tube Lights

Electrical Properties

Input Voltage	90~264 Vac
Input Frequency	47~63 Hz
Power Factor	0.95@220Vac
Input AC Current	0.3A(max.)@220Vac
Efficiency	88%(typ.)@220Vac(full load)
Max. Output Power	20W
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

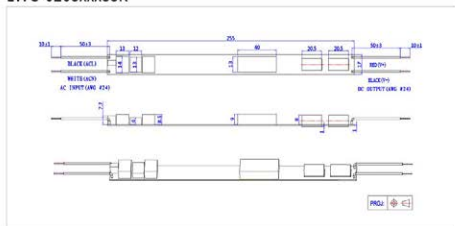
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Ta=45°C
Dimensions (L×W×H)	255×17.5×10.5 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
LWC-020S021SSK	210 mA	50~80 Vdc	88%
LWC-020S034SSK	340 mA	30~55 Vdc	88%
LWC-020S036SSK	360 mA	30~50 Vdc	88%
LWC-020S042SSK	420 mA	30~48 Vdc	88%

► Mechanical Outline (unit:mm)

LWC-020SxxxSSK





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

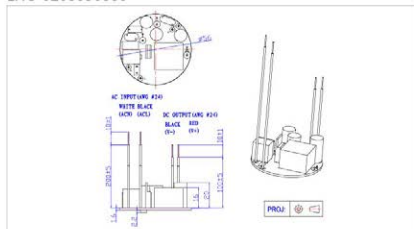
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	30,000 hours Ta=45°C
Dimensions (D×H)	56×25 (mm)

► 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





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

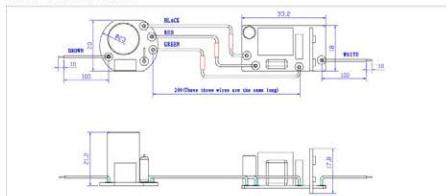
- Support Customized Output Current
- Constant Current Output
- High Efficiency (Up to 93%)
- Active Power Factor Correction
- All-Round Protection: OVP, SCP and Open Lamp Protection
- Non-isolated Output

- 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

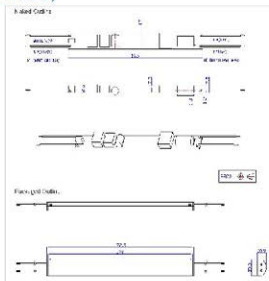
Operating Temperature	-30~70°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	165×17.5×10.5 (mm)

► 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

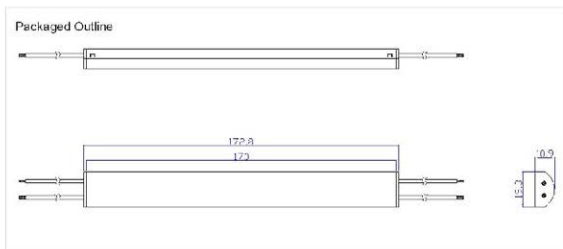
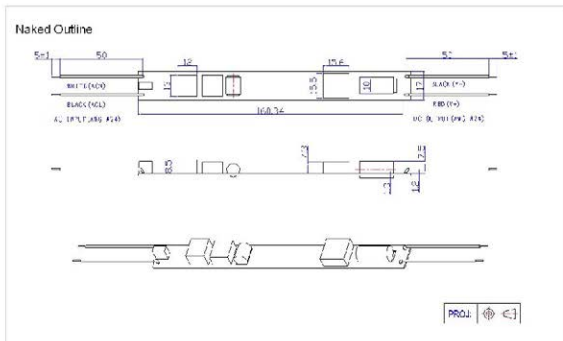
Operating Temperature	-30~70°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	153×17.5×10.5 (mm)

► Model Specification

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

► Mechanical Outline (unit:mm)

NHC-028S024SSK



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

- 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

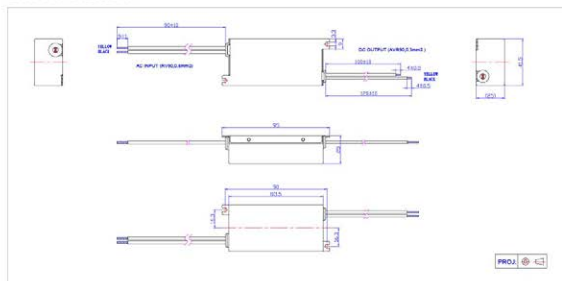
Operating Temperature	-10~60°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	85×32×25 (mm)

► 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
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

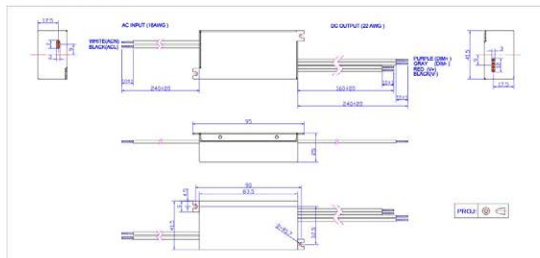
Environmental Specifications	
Operating Temperature	-20~70°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	83.5×41.5×25 (mm)

► Model Specification

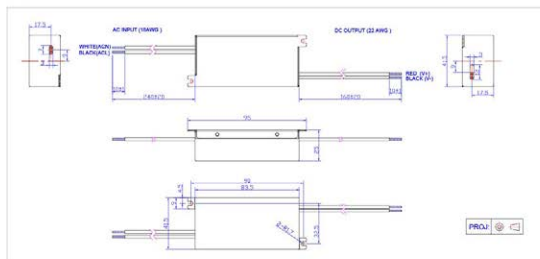
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
LUC-010S03SSSM	350 mA	—	14~ 29 Vdc	120VAC	277VAC
LUC-010S05SSSM	500 mA	—	10~ 20 Vdc	80%	82%
LUC-010S07SSSM	700 mA	—	8~ 16 Vdc	79%	81%
LUC-010S03SDSM	350 mA	0-10V	14~ 29 Vdc	80%	82%
LUC-010S05SDSM	500 mA	0-10V	10~ 20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

► Mechanical Outline (unit:mm)

LUC-010SxxxDSM



LUC-010SxxxSSM





► 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

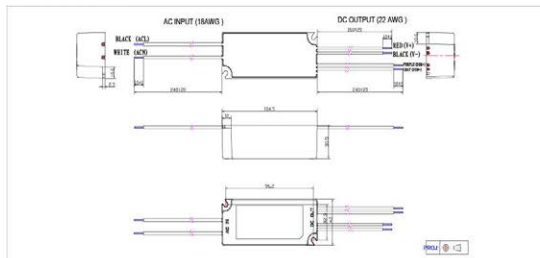
Operating Temperature	-20~70°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	104.5×42×30.5 (mm)

► Model Specification

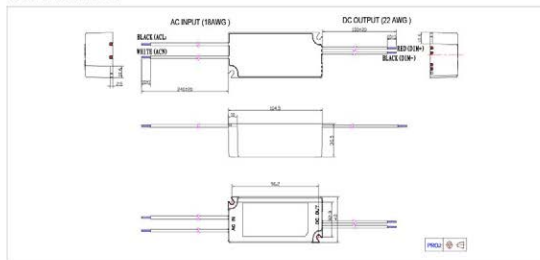
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
LUC-012S03SSSP	350 mA	-	17~ 34 Vdc	120VAC	277VAC
LUC-012S05OSSP	500 mA	-	12~ 24 Vdc	80%	82%
LUC-012S07OSSP	700 mA	-	9~ 17 Vdc	79%	81%
LUC-012S03SDSP	350 mA	0-10V	17~ 34 Vdc	80%	82%
LUC-012S05SDSP	500 mA	0-10V	12~ 24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

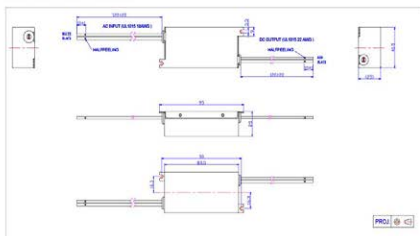
Operating Temperature	-20~60°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	95×41.5×25 (mm)

► 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

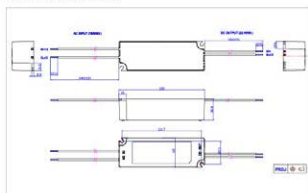
Operating Temperature	-20~70°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	20×42×30.5 (mm) 135×42×30.5 (mm)

► Model Specification

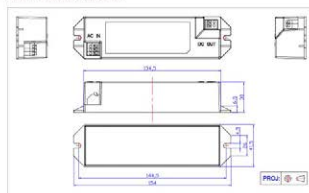
Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
LWC-018S035SSP (SSE)	350 mA	26~51 Vdc	86%
LWC-018S050SSP (SSE)	500 mA	18~36 Vdc	85%
LWC-018S070SSP (SSE)	700 mA	13~26 Vdc	84%
LWC-018S105SSP (SSE)	1050 mA	9~17 Vdc	83%

► 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%



► 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

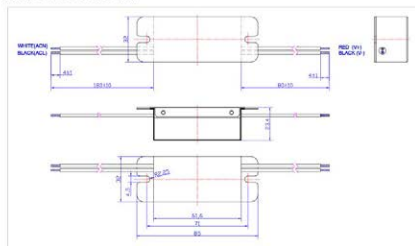
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	62×32×24 (mm)

► 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

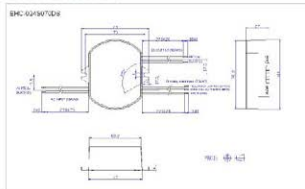
Operating Temperature	-20~65°C
Storage Temperature	-40~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	580,000 hours Ta=25°C
Life Time	87,000 hours Tc=60°C
Dimensions (L×W×H)	78×80×27 (mm)

► Model Specification

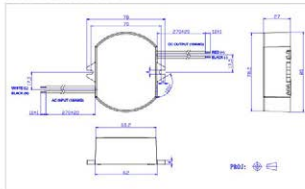
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency
EHC-024S070DS	700 mA	0-10V	18~36 Vdc	85%
EHC-024S070PS			18~36 Vdc	85%

► 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

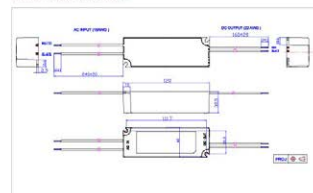
Operating Temperature	-20~70°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	120×42×30.5 (mm) 135×42×30.5 (mm)

► Model Specification

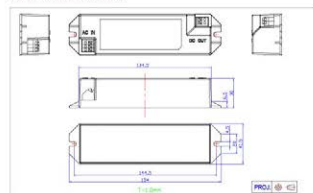
Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
LWC-024S03SSP (SSE)	350 mA	36~72 Vdc	86%
LWC-024S050SSP (SSE)	500 mA	24~48 Vdc	85%
LWC-024S070SSP (SSE)	700 mA	18~36 Vdc	84%
LWC-024S105SSP (SSE)	1050 mA	12~24 Vdc	83%

► 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

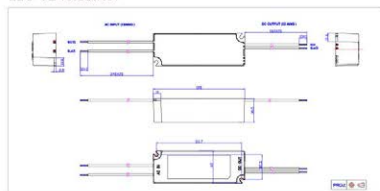
Environmental Specifications	
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	120×42×30.5 (mm)

► 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

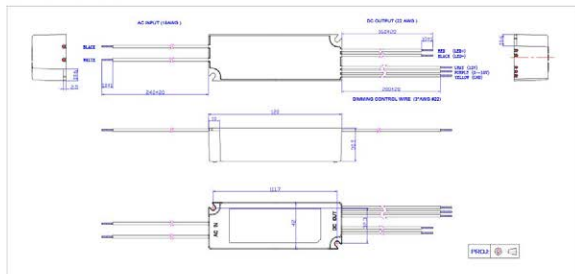
Operating Temperature	-20~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	290,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	120×42×30.5 (mm)

► Model Specification

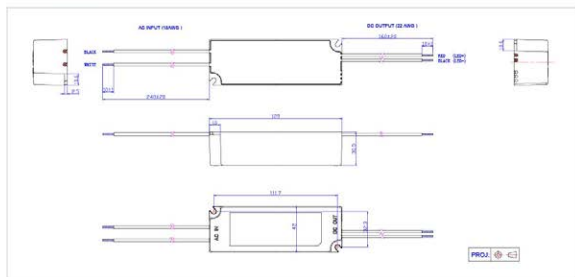
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency
LUC-024S03SDSP	350 mA	0-10V	44~72 Vdc	220VAC 86%
LUC-024S050DSP	500 mA	0-10V	29~48 Vdc	86%
LUC-024S070DSP	700 mA	0-10V	22~36 Vdc	85%
LUC-024S105DSP	1050 mA	0-10V	15~24 Vdc	84%
LUC-024S03SSSP	350 mA	-	44~72 Vdc	86%
LUC-024S050SSP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

Outdoor Single-terminal
Constant Voltage

Outdoor Built-terminal
Constant Current

Indoor Built-terminal
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

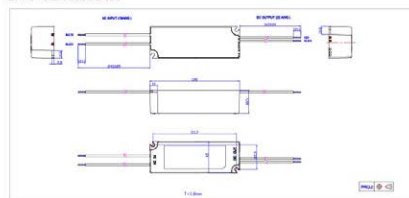
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	330,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	120×42×30.5 (mm)

► 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

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

► 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	0.2A(max.)@220Vac
Efficiency	89%(typ.)@120Vac(full load)
Max. Output Power	25.2W
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

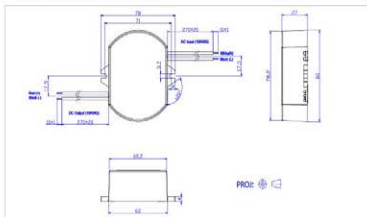
Environmental Specifications	
Operating Temperature	-20~60°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	78×80×27 (mm)

► Model Specification

Model Number	Output Current	Output Voltage Range	Typical Full Load Efficiency
EHC-025S035SSR	350 mA	36~72 Vdc	89%

► Mechanical Outline (unit:mm)

EHC-025S035SSR



Indoor Spot Fixtures
Constant Current

Indoor Built-in
Constant Current

Indoor Built-in
Constant Voltage

Outdoor Built-in
Constant Current

Outdoor Built-in
Constant Voltage

Outdoor Built-in
Constant Current

Outdoor Built-in
Constant Voltage



► 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

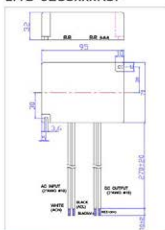
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	95×70×32 (mm)

► 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

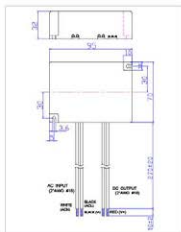
Operating Temperature	-10~70°C
Storage Temperature	-20~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	95×70×32 (mm)

► 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

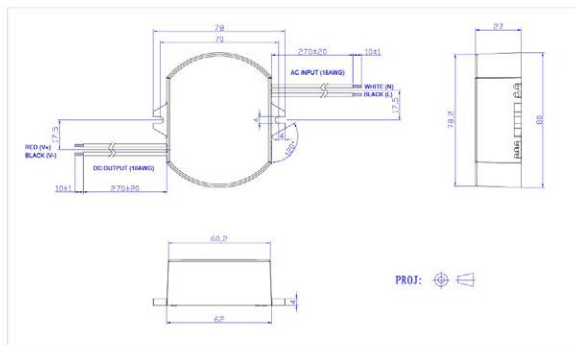
Operating Temperature	-20~60°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	78×80×27 (mm)

► 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

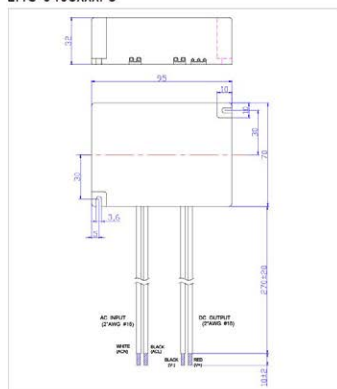
Operating Temperature	-20~60°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	487,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	95×70×32 (mm)

► Model Specification

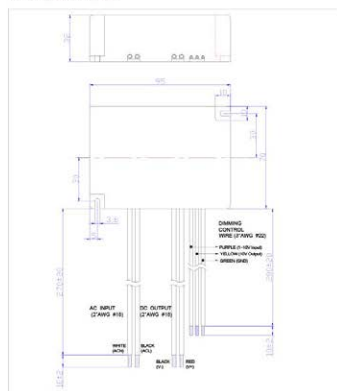
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency
				220VAC
EHC-040S070DS	700 mA	0-10V	30~54 Vdc	89%
EHC-040S140DS	1400 mA	0-10V	14~28 Vdc	88%
EHC-040S175DS	1750 mA	0-10V	12~24 Vdc	86%
EHC-040S070PS	700 mA	-	30~54 Vdc	89%
EHC-040S140PS	1400 mA	-	14~28 Vdc	88%
EHC-040S175PS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

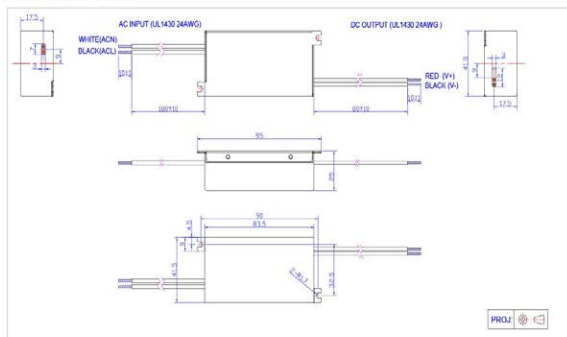
Operating Temperature	-20~60°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	95×41.5×25 (mm)

► Model Specification

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

► Mechanical Outline (unit:mm)

NHC-040S036SSM



Indoor Type 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
- 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

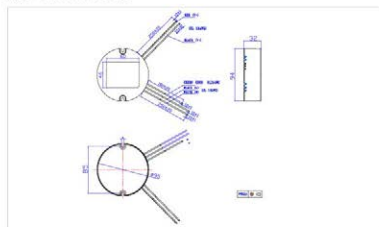
Operating Temperature	-35~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (D×H)	95×32 (mm)

► 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





► 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

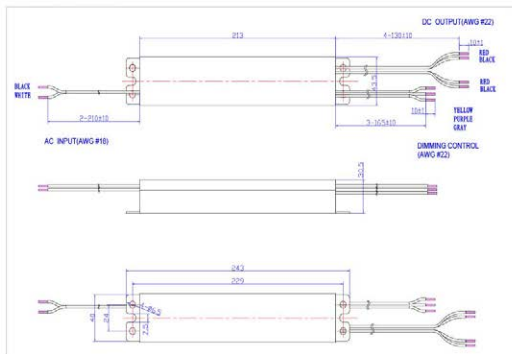
Operating Temperature	-20~70°C
Storage Temperature	-30~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	200,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	213×43.5×30.5 (mm)

► Model Specification

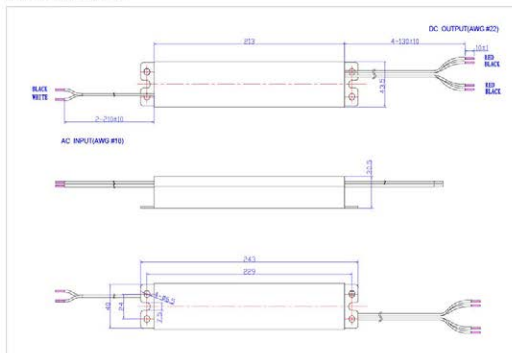
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
LUC-042D04SSM(SDM)	450 mA	-	27~ 47 Vdc	120VAC	277VAC
LUC-042D052SSM(SDM)	520 mA	-	20~ 41 Vdc	86%	87%
LUC-042D056SSM(SDM)	560 mA	-	20~ 40 Vdc	85%	86%
LUC-042D070SSM(SDM)	700 mA	-	17~ 30 Vdc	84%	85%
LUC-042D04SDSM(DDM)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

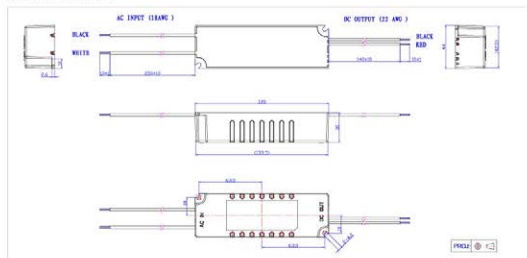
Operating Temperature	-30~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~90% RH
Storage Humidity	5%~90% RH
Cooling Method	Natural convection
MTBF	300,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	135×44×30.5 (mm)

► 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

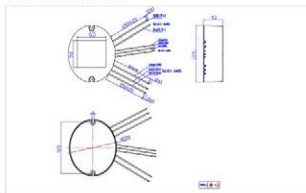
Input Voltage	90~305 Vac
Input Frequency	47~63 Hz
Power Factor	0.99@110Vac, 0.96@220Vac
Input AC Current	0.9A(max.)@110Vac, 0.42A(max.)@220Vac
Efficiency	87%(typ.)@110Vac(full load), 89%(typ.)@220Vac(full load)
Max. Output Power	72W
Output Current Tolerance	±5%
Line Regulation	±0.5%
Load Regulation	±1.5%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

► Model Specification

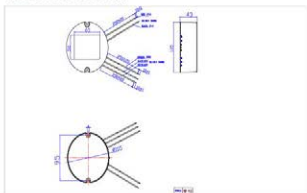
Model Number	Output Current	Dimming	Output Voltage Range	Typical Full Load Efficiency	
				110VAC	220VAC
LUC-072S035SSR	350 mA	—	120-205 Vdc	87%	89%
LUC-072S070SSR	700 mA	—	51-102 Vdc	86%	88%
LUC-072S035DSR	350 mA	0-10V	120-205 Vdc	87%	89%
LUC-072S070DSR	700 mA	0-10V	120-205 Vdc	86%	88%

► 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

Indoor Built-out
Constant Voltage

Outdoor Single-terminal
Constant Current

Outdoor Single-terminal
Constant Voltage

Outdoor Two-terminal
Constant Current

Outdoor Two-terminal
Constant Voltage



► 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

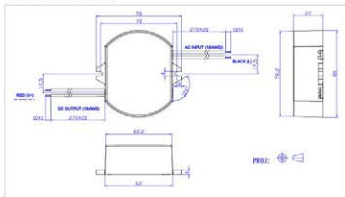
Operating Temperature	-20~70°C
Storage Temperature	-40~85°C
Operating Humidity	10%~100% RH
Storage Humidity	5%~100% RH
Cooling Method	Natural convection
MTBF	130,000 hours Ta=25°C
Life Time	50,000 hours Tc=60°C
Dimensions (L×W×H)	78×80×27 (mm)

► 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

