

Catalogue

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■ AC to DC LED Power Supply 9~18 Watts



Applications

- LED Architectural Lighting
- LED Commercial Industrial Lighting
- LED Lighting

UL[®]us FCC CE CB IP66 RoHS REACH
Pending

Features

Available in Constant Current
Compatible with 1 ~10V Dimming Controller (Isolation)
Protection : OCP, SCP, OVP, OTP (limit-CC) - Auto Recovery
Suitable for Dry, Damp Locations, IP66
Convection Cooled in plastic housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL8750 Class 2, cUL (Type HL), FCC B, CB,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 0.25-0.12A / 47-63Hz	PF > 0.92, THD < 20%: Input 115~230Vac, Load > 50%
Input Inrush Current : < 35A / 115Vac, < 70A / 230Vac	PF > 0.92, THD < 20% : Input 277Vac, Load > 70%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 4KV	Efficiency : 20V/80%, 28V/80%, 42V/80% at 115Vac full load
Turn on delay time : < 1 Sec. at 110Vac	Load Regulation : ±5% (Load > 50%)
Operation Temp. : -40°C ~ 50°C, Tc : 80°C	DC Output Ripple/Noise p-p : 5%
Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Current Mode (CC)		Max. Watts
	Fixed Output Current Range	Output Voltage Range	
LF1018-20-Cnnnn	850 ~ 1050mA	10~ 20V	18W
LF1018-28-Cnnnn	650 ~ 800mA	14~ 28V	18W
LF1018-42-Cnnnn	450 ~ 600mA	24~ 42V	18W

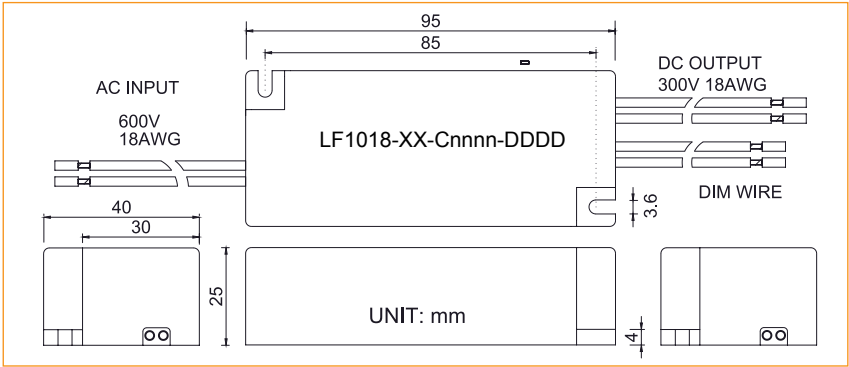
Note 1 : We can provide any fixed output current between 450 ~ 1050mA to meet customers' requirements.

Model Information

LF1018-XX-Cnnnn-DDDD
1018 = Single DC Output, 18 Watts Max. XX = Voltage Output, 20 = 20V, 28 = 28V, 42 = 42V.
Cnnnn = Constant Current Output, C1050 = 1050mA,... , C0450 = 450mA.
DDDD = (Optional or blank) for constant current dimming function. (Gray/D-, Purple/D+), Isolation circuit
010V = 1~10Vdc (10% ≤ 1V, 10~100%, D+, D-)

Mechanical Drawing

Case Dimension : 95(L), 40(W), 25(H)mm
Weight : 170g typical



■ AC to DC LED Power Supply 37 ~ 53 Watts



Applications

- LED Architectural Lighting
- LED Commercial Industrial Lighting
- LED Lighting

Features

UL[®]us FC CE CB IP66 RoHS REACH

Available in Constant Current or Constant Voltage
With dimming function by 1~10V, VR or AC Step Dimming (On / Off)
Protection : OCP, SCP, OTP - Auto Recovery ; OVP- Latch off
Suitable for Dry, Damp Locations, IP66 ; Convection Cooled in plastic housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL8750 Class 2, UL1012, cUL (Type HL), FCC B, CB, PSE,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 0.8A / 47~63Hz	PF > 0.92, THD < 20%: Input 100~230Vac, Load > 70%
Input Inrush Current : < 35A / 115Vac, < 70A / 230Vac	PF > 0.92, THD < 20% : Input 277Vac, Load > 80%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 4KV	Efficiency:15V/82%, 24V/83%, 36V/84%, 48V/85%, 88V.160V/86% at 115Vac full load
Turn on delay time : < 0.5 Sec. at 110Vac	Load Regulation : ±5%, DC Output Ripple/Noise p-p : 5%
Operation Temp. : -40°C ~ +50°C, Tc : 90°C; Storage Temp.: -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage Range	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LF1048-15	9 ~ 16.5V	280 ~ 3500mA	1400 ~ 3500mA	8 ~ 16.5V	42W (cUL- class 2)
LF1048-24	15 ~ 26.4V	200 ~ 2400mA	1000 ~2400mA	12 ~ 26.4V	48W (cUL- class 2)
LF1048-36	24 ~ 39.6V	135 ~1700mA	700 ~1700mA	18~ 39.6V	48W (cUL- class 2)
LF1048-42	26 ~ 42V	120 ~1330mA	600 ~1330mA	26~ 42V	53W (cUL- class 2)
LF1048-48	36 ~ 54V	100 ~1200mA	500 ~1200mA	30 ~ 54V	53W (cUL- class 2)
LF1048-88 (Note 2)	N/A		300 ~750mA	40 ~ 88V	53W (cUL)
LF1048-160 (Note 2)	N/A		200 ~ 420mA	75 ~ 160V	53W (cUL)

Note 1 : We can provide any fixed output current or voltage between 200 ~ 3500mA or 9 ~ 54V to meet customers' requirements.
Note 2: 1631-ON / OFF AC Step Dimming function can not be for Model LF1048-88 and LF1048-160

Model Information

LF1048 - XX-Cnnnn-DDDD

1048 = Single DC Output, 42~53 Watts Max. XXX = Voltage Output, 15 = 15V,... , 160 = 160V.

Cnnnn = (Optional or blank) Constant Current Output, C3500 = 3500mA,... , C0200 = 200mA.

DDDD = (Optional or blank) for Constant Current (Current dimming mode) or Constant Voltage (PWM dimming mode, 290Hz)

1631 = ON / OFF AC Step Dimming (ON / OFF timing 1.5 Sec.) (Note 2)

010V = 1~10Vdc (10% ≤ 1V, 10~100%, Purple / D+,

Gray / D-, Yellow / 10Vdc / 10mA);

or VR (10K~100KΩ, D+, D- 10V)

Dimming CTL. 10Vdc output can connect 20 sets of PSUs by parallel. (Dimming function- min. 10% of full load; 4~5 Watts / Min load.)

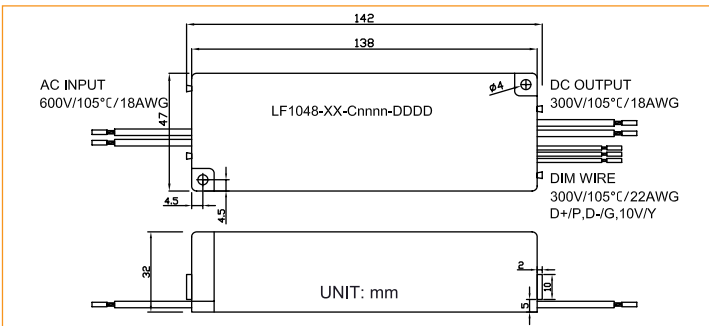
(Dimming : Refer to Dimming Instruction- B & C)

Mechanical Drawing

Case Dimension : 142(L), 47(W), 32(H)mm

Weight : 370g typical

CUFT : 0.015' / ea



■ AC to DC Switch Power Supply 37~75 Watts



Applications

- LED Architectural Lighting
- LED Commercial Industrial Lighting
- LED Lighting

Features

UL[®]us FC CE CB IP66 RoHS REACH

Available in Constant Current or Constant Voltage
Compatible with 0 ~10V Dimming Controller
Surge Immunity (IEC61000-4-5) : 6KV
Protection : OCP, SCP, OVP, OTP (limit-CC) - Auto Recovery
Suitable for Dry, Damp Locations, IP66 ; Convection Cooled in plastic housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL8750 Class 2, UL1012, cUL (Type HL), FCC B, CB, PSE,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 1-0.5A / 50/60Hz	PF > 0.92, THD < 20% : Input 115~230Vac, Load > 50%
Input Inrush Current : < 35A / 115Vac, < 70A / 230Vac	PF > 0.92, THD < 20% : Input 277Vac, Load > 70%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 6KV	Efficiency:24V/84%,36V/85%,48V/86%,112V.168V/87% at 115Vac full load
Turn on delay time : < 1 Sec. at 110Vac	Load Regulation : ±5%, DC Output Ripple/Noise p-p : 5%
Operation Temp. : -40°C ~ 50°C ,Tc : 90°C; Storage Temp.: -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage Range	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LF1075-24	18 ~ 28V	260 ~ 3750mA	1800 ~3750mA	14 ~ 28V	75W (cUL- class 2)
LF1075-36	28 ~ 42V	180 ~2500mA	1200 ~2500mA	21~ 42V	75W (cUL- class 2)
LF1075-48	42 ~ 56V	140 ~1670mA	800 ~1670mA	30 ~ 56V	75W (cUL- class 2)
LF1075-112	N/A		500 ~1000mA	56 ~ 112V	75W (cUL)
LF1075-168	N/A		350 ~ 700mA	84 ~ 168V	75W (cUL)

Note 1 : We can provide any fixed output current or voltage between 350 ~ 3750mA or 18 ~ 56V to meet customers' requirements.

Model Information

LF1075-XXX-Cnnnn-DDDD

1075 = Single DC Output , 75 Watts Max. XXX = Voltage Output, 24 = 24V,... , 168 = 168V.

Cnnnn = (Optional or blank) Constant Current Output, C3750 = 3750mA,... , C0350 = 350mA.

DDDD = (Optional or blank) for Constant Current

(Current dimming mode) or Constant Voltage

(only 24, 36, 48V Model, PWM mode, 290Hz)

(Gray/D-, Purple/D+,Yellow/12Vdc/20mA)

(Dimming : Refer to Dimming Instruction- A & C)

010V = 0~10Vdc (Off < 1V, 10~100%),

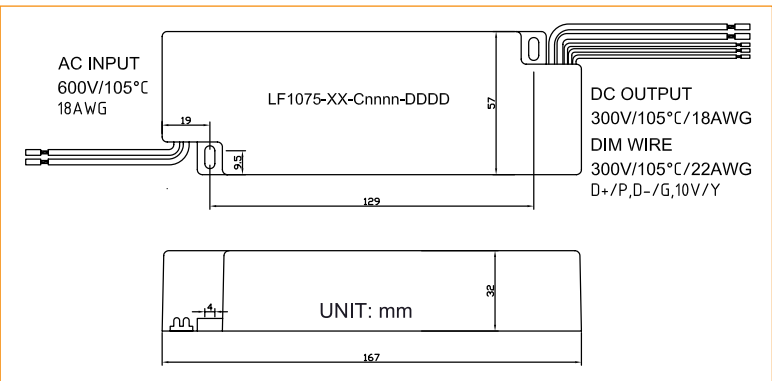
or VR = Resistor (10K~100KΩ, 10~100%),

or PWM = 10V PWM Signal (200 ~ 5kHz).

Mechanical Drawing

Case Dimension : 167(L), 57(W), 32(H)mm

Weight : 550g typical



■ AC to DC Switch Power Supply 60~150 Watts



Applications

- LED Street Lighting
- LED Commercial Industrial Lighting
- LED Lighting

Features

cUL[®]us FC CE CB PSE IP67 RoHS REACH

Available in Constant Current or Constant Voltage
Compatible with 0 ~10V Dimming Controller (CC)
Surge Immunity (IEC 61000-4-5) : 6KV
Protection : SCP, OVP, OCP, OTP (limit-CC)- Auto Recovery
Suitable for Dry, Damp, Wet Locations, IP67 ; Convection Cooled in aluminum housing
Five Years Warranty (Life @ Tc : 75°C 40,000 Hours)

Certifications

UL8750, cUL (Type HL), FCC B, CB, PSE,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 2 ~ 1.2A / 50/60Hz	* PF > 0.92, THD < 20% : Input 115 ~ 230Vac, Load > 40%
Input Inrush Current : < 40A /115Vac, < 65A / 230Vac at cold start	* PF > 0.91, THD < 20% : Input 277Vac, Load > 60%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 6KV	* Efficiency : > 91% at 230Vac full load.
Turn on delay time : < 1 sec. at 115 ~ 277Vac	Load Regulation : ±5%, DC Output Ripple/Noise p-p : 5%@CV, 10%@CC
Operation Temp. : -40°C ~ +50°C, Tc : 85°C; Storage Temp. : -40°C ~ +85°C	* MTBF(@50°C) : > 50,000 Hours, MIL-217F

* Please refer to the curves of PF, THD, Efficiency versus Pout and lifetime versus Tc in Appendix A.

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage Range	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LF1153-24	18 ~ 28V	100 ~ 6250mA	N / A		150W (cUL)
LF1153-36	28 ~ 42V	80 ~ 5000mA	2500 ~ 5000mA	21 ~ 42V	150W (cUL)
LF1153-48	40 ~ 56V	50 ~ 3750mA	1800 ~ 3750mA	30 ~ 56V	150W (cUL)
LF1153-120	N/A		1000 ~ 2000mA	60 ~ 120V	150W (cUL)
LF1153-240	N/A		500 ~ 1000mA	120 ~ 240V	150W (cUL)

Note 1 : We can provide any fixed output current or voltage between 500 ~ 5000mA or 18 ~ 56V to meet customers' requirements.

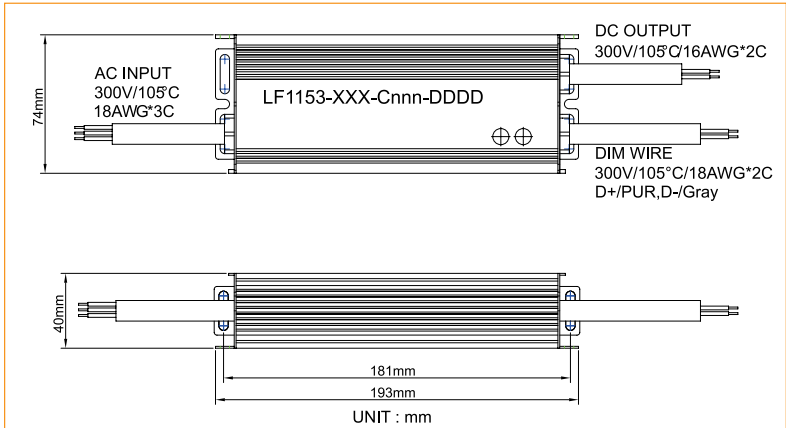
Model Information

LF1153-XXX-Cnnnn-DDDD

1153 = Single DC Output, 150 Watts Max.
XXX = Voltage Output, 24 = 24V,... , 240 = 240V Max.
Cnnnn = (Optional or blank) Constant Current Output, C5000 = 5000mA,... , C0500 = 500mA.
DDDD = (Optional or blank) for constant current dimming function. (Gray D-, Purple D+)
(Dimming : Refer to Dimming Instruction- A)
010V = 0~10Vdc (off < 1V, 10~100%),
or **VR** = Resistor (10K~100KΩ, 10~100%),
or **PWM** = 10V PWM Signal (200 ~ 5kHz).

Mechanical Drawing

Case Dimension : 193(L), 74(W), 40(H)mm
Weight : 1100g typical



■ AC to DC Switch Power Supply 60~150 Watts



Applications

- LED Street Lighting
- LED Commercial Industrial Lighting
- LED Lighting

Features

cUL[®]us FC CE CB IP67 RoHS REACH
Pending

Available in Constant Current or Constant Voltage
Compatible with 0 ~10V Dimming Controller (CC)
Surge Immunity (IEC 61000-4-5) : 6KV
Protection : SCP, OVP, OCP, OTP (limit-CC)- Auto Recovery
Suitable for Dry, Damp, Wet Locations, IP67 ; Convection Cooled in aluminum housing
Five Years Warranty (Life @ Tc : 75°C 40,000 Hours)

Certifications

UL8750, cUL (Type HL), FCC B, CB,
CE (EN55015, EN61547, EN61347, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 2~1.2A / 50/60Hz	PF > 0.92, THD < 20% : Input 115 ~ 230Vac, Load > 40%
Input Inrush Current : < 40A / 115Vac, < 65A / 230Vac at cold start	PF > 0.91, THD < 20% : Input 277Vac, Load > 60%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 6KV	Efficiency : > 91% at 230Vac full load
Turn on delay time : < 1 sec. at 115 ~ 277Vac	Load Regulation : ±5% ; DC Output Ripple/Noise p-p : 5%@CV, 10%@CC
Operation Temp. : -40°C ~ +50°C, Tc : 85°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage Range	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LF1156-24	18 ~ 28V	100 ~ 6250mA	N / A		150W (cUL)
LF1156-36	28 ~ 42V	80 ~ 5000mA	2500 ~ 5000mA	21 ~ 42V	150W (cUL)
LF1156-48	40 ~ 56V	50 ~ 3750mA	1800 ~ 3750mA	30 ~ 56V	150W (cUL)
LF1156-120	N/A		1000 ~ 2000mA	60 ~ 120V	150W (cUL)
LF1156-240	N/A		500 ~ 1000mA	120 ~ 240V	150W (cUL)

Note 1 : We can provide any fixed output current or voltage between 500 ~ 5000mA or 18 ~ 56V to meet customers' requirements.

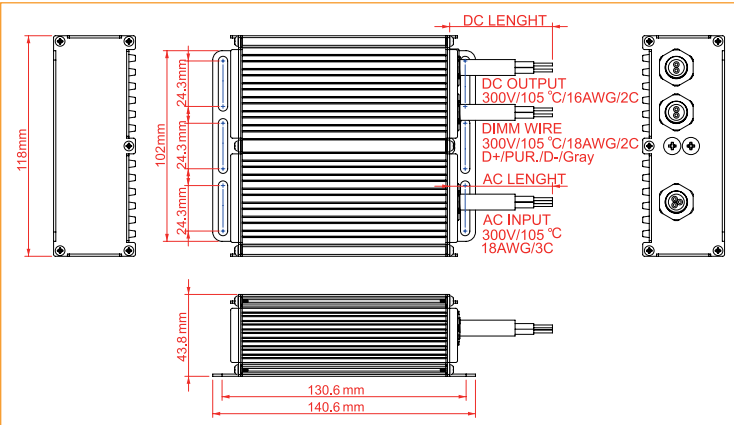
Model Information

LF1156-XXX-Cnnnn-DDDD

1156 = Single DC Output, 150 Watts Max. **XXX** = Voltage Output, 24 = 24V,... , 240 = 240V Max.
Cnnnn = (Optional or blank) Constant Current Output, C5000 = 5000mA,... , C0500 = 500mA.
DDDD = (Optional or blank) for constant current dimming function. (Gray D-, Purple D+)
(Dimming : Refer to Dimming Instruction- A)
010V = 0~10Vdc (off < 1V, 10~100%),
or **VR** = Resistor (10K~100KΩ, 10~100%),
or **PWM** = 10V PWM Signal (200 ~ 5kHz).

Mechanical Drawing

Case Dimension : 140.6(L), 118(W), 43.8(H)mm
Weight : 1250g typical



■ AC to DC LED Power Supply 100~200 Watts



Applications

- LED Street Lighting
- LED Architectural Lighting
- LED Lighting

Features

Available **Two** Various Constant Current Output
Compatible with 1 ~ 10Vdc Dimming Controller
Surge Immunity (IEC 61000-4-5) : 6KV
Protection : OCP, SCP, OTP (limit-CC) - Auto Recovery ; OVP-Shut down
Suitable for Dry, Damp, Wet Locations, IP67 ; Convection Cooled in aluminum housing
Five Years Warranty (Life @ Tc : 75°C 40,000 Hours)

Certifications

UL8750, cUL (Type HL), FCC B, CB,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100-277Vac / 3~1A / 47-63Hz	* PF > 0.92, THD < 20% : Input 100 ~ 230Vac, Load > 50%
Input Inrush Current : < 35A / 115Vac, < 70A / 230Vac at cold start	* PF > 0.92, THD < 20% : Input 277Vac, Load > 70%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 6KV	* Efficiency : > 91% at 230Vac full load
Turn on delay time : < 1 sec. at 115 ~ 277Vac	Load Regulation : ±5%
Operation Temp. : -40°C ~ +50°C, Tc : 86°C	DC Output Current Ripple/Noise : ±10%
Storage Temp. : -40°C ~ +85°C, 10~95%RH	* MTBF(@50°C) : > 50,000 Hours, MIL-217F

* Please refer to the curves of PF, THD, Efficiency versus Pout and lifetime versus Tc in Appendix B.

Model List

Model	Constant Current Mode / Forward Voltage			Per Max. Model Output	Max. Output (UL Safety)
	Output	Constant Current (If)	Forward Voltage(Vf)		
LF2200-286286-FcSc-DM	Fc	300 ~ 550mA	100 ~ 286V	100W	200W (cUL)
	Sc	300 ~ 550mA	100 ~ 286V	100W	
LF2200-160160-FcSc-DM	Fc	620 ~ 1000mA	50 ~ 160V	100W	200W (cUL)
	Sc	620 ~ 1000mA	50 ~ 160V	100W	
LF2200-286160-FcSc-DM	Fc	300 ~ 550mA	100 ~ 286V	100W	200W (cUL)
	Sc	620 ~ 1000mA	50 ~ 160V	100W	

Model Information

LF2200-XXYY-FcSc-DM

Example : **LF2200-286160-3562** (Output1 : 143~286V / 350mA, Output2 : 80~160V/620mA).

2200 = Two DC Outputs, 100 Watts / per Output, 200 Watts / Max.

XXX = First Output Voltages, **YYY** = Second Output Voltages

FcSc = First Output and Second Output Constant Current number, 30 = 300mA,... , 100 = 1000mA

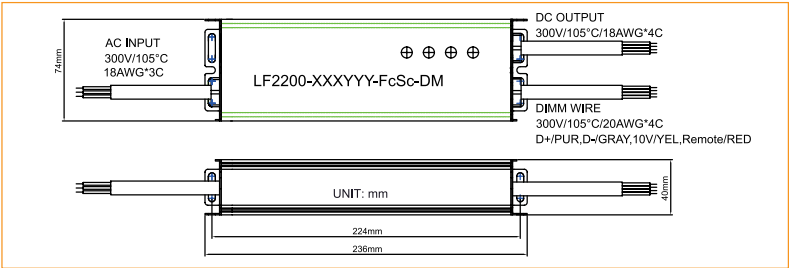
DM = (Optional or Blank) **D** = dimming CTL.(1~10Vdc), **M** = C (constant current)

(Dimming : Refer to Dimming Instruction- D)

DM Output wire -Gray / Dim-, Purple / Dim+, Yellow / 10Vdc/400mA. 10Vdc Output can connect 50 sets of PSUs by parallel.

Mechanical Drawing

Case Dimension : 236(L), 74(W), 40(H)mm
Weight : 1300g typical



■ AC to DC Switch Power Supply 96~240 Watts



Applications

- LED Street Lighting
- LED Commercial Industrial Lighting
- LED Lighting

Features

Available in Constant Current or Constant Voltage
Compatible with 0 ~10V Dimming Controller (CC)
Surge Immunity (IEC 61000-4-5) : 6KV
Low In-rush Current Design (< 5A /115Vac, < 10A / 230Vac at cold start)
Protection : SCP, OVP, OCP, OTP- Auto Recovery
Suitable for Dry, Damp,Wet Locations, IP67; Convection Cooled in aluminum housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL8750, cUL (Type HL), FCC B, CB, PSE,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 3 ~ 1.5A / 50/60Hz	* PF > 0.92, THD < 20% : Input 115 ~ 230Vac, Load > 40%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 6KV	* PF > 0.90, THD < 20% : Input 277Vac, Load > 60%
Turn on delay time : < 1 sec. at 115 ~ 277Vac	* Efficiency : > 92% at 230Vac full load.
Operation Temp. : -40°C ~ +50°C, Tc : 90°C; Storage Temp. : -40°C ~ +85°C	Load Regulation : ±5%
* MTBF(@50°C) : > 50,000 Hours, MIL-217F	DC Output Ripple/Noise p-p : 5% (24~88V),10% (150V. 220V)

* Please to the curves of PF, THD, Efficiency versus Pout and lifetime versus Tc in Appendix C.

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage Range	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LF1240-24	22 ~ 27V	200 ~ 10000mA	N/A		240W (cUL)
LF1240-36	32 ~ 40V	120 ~ 6670mA	3300 ~6670mA	20~ 40V	240W (cUL)
LF1240-48	44 ~ 56V	100 ~ 5000mA	2500 ~ 5000mA	26 ~ 56V	240W (cUL)
LF1240-88	N/A		1500 ~ 3000mA	45 ~ 88V	240W (cUL)
LF1240-150	N/A		800 ~ 1750mA	75 ~ 150V	240W (cUL)
LF1240-220	N/A		550 ~ 1200mA	110 ~ 220V	240W (cUL)

Note 1 : We can provide any fixed output current or voltage between 550 ~ 6670mA or 22~ 56V to meet customers' requirements.

Model Information

LF1240-XXX-Cnnnn-DDDD

1240 = Single DC Output, 240 Watts Max. **XXX** = Voltage Output, 24 = 24V,... , 220 = 220V Max.

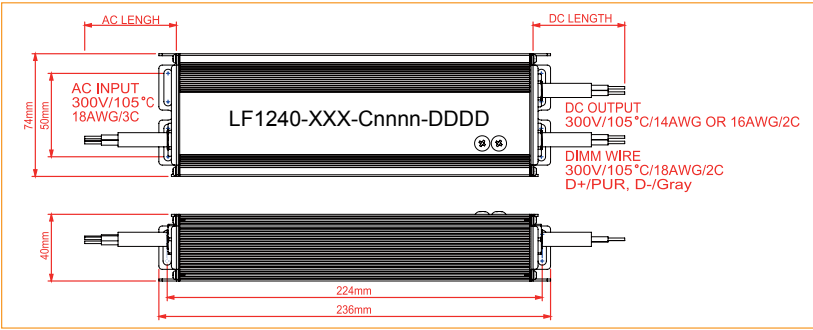
Cnnnn = (Optional or blank) Constant Current Output, C6670 = 6670mA,... , C0550 = 550mA.

DDDD = (Optional or blank) for constant current dimming function. (Gray D-, Purple D+)

(Dimming : Refer to Dimming Instruction- A)
010V = 0~10Vdc (off < 0.3V, 1~10V=10~100%),
or **RES** = Resistor (10K~100KΩ, 10~100%),
or **PWM** = 10V PWM Signal (> 200Hz)

Mechanical Drawing

Case Dimension : 236(L), 74(W), 40(H)mm
Weight : 1250g typical



■ AC to DC LED Power Supply 12~12.8 Watts



Applications

- LED Architectural Lighting
- LED Commercial Industrial Lighting
- LED Lighting

Features

Available in Constant Current or Constant Voltage
Protection : OVP, OCP, SCP, OTP - Auto Recovery
Suitable for Dry Locations, IP66
Convection Cooled in plastic housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL1310, UL8750 Class 2, cUL (Type HL), FCC B, PSE,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class A)

Specifications

AC Input Range : 100~240Vac / 0.3A / 47~63Hz	PF > 0.6 : Input 110-230Vac at full load
Input Inrush Current : < 10A / 115Vac, < 20A / 230Vac	Efficiency : 12V,24V/82%, 36V/86%, 48V/82% at 110Vac full load
Surge Immunity (IEC61000-4-5) : 1 KV	Efficiency : 12V,24V/67%, 36V/80%, 48V/77% at 220Vac full load
Turn on delay time : < 0.5 Sec.	Load Regulation : ±5%, DC Output Ripple/Noise p-p : 3%
Operation Temp.: -40°C ~ +50°C, Tc : 90°C; Storage Temp.: -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LA1012-12	12V	200 ~ 1000mA	500 ~ 1000mA	3 ~ 12V	12W (cUL- class 2)
LA1012-16	16V	80 ~ 800mA	400 ~ 800mA	3 ~ 16V	12.8W (cUL- class 2)
LA1012-24	24V	50 ~500mA	250 ~ 500mA	5 ~ 24V	12W (cUL- class 2)
LA1012-36	36V	35 ~ 350mA	175 ~ 350mA	5 ~ 36V	12.6W (cUL- class 2)
LA1012-48	48V	25 ~ 250mA	125 ~ 250mA	12 ~ 48V	12W (cUL- class 2)

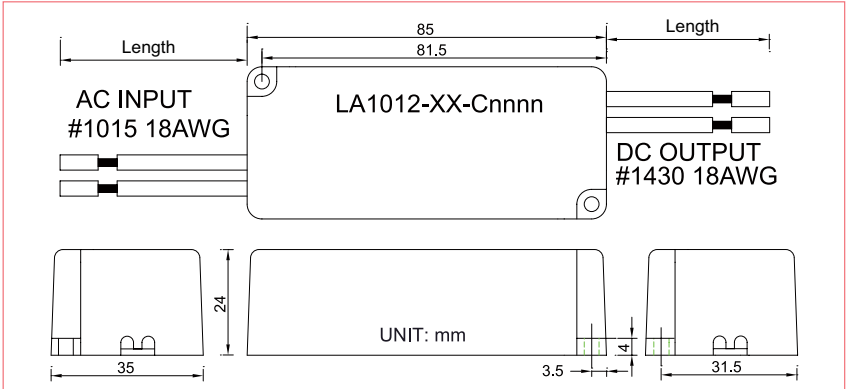
Note 1: We can provide any fixed output current or voltage between 125 ~ 1000mA or 12 ~ 48V to meet customers' requirements.

Model Information

LA1012-XX-Cnnnn
1012 = Single DC Output, 12~12.8 Watts Max. **XX** = Voltage Output, 12 = 12V,... , 48 = 48V.
Cnnnn = (Optional or blank) Constant Current Output, C1000 = 1000mA,... , C0250 = 250mA.

Mechanical Drawing

Case Dimension : 85(L), 35(W), 24(H)mm
Weight : 120g typical
CUFT : 0.006' / ea



■ AC to DC Switch Power Supply 7~12.6 Watts



Applications

- LED Architectural Lighting
- LED Commercial Industrial Lighting
- LED Lighting

Features

Available in Constant Current or Constant Voltage
Protection : OCP, SCP - Auto Recovery
Suitable for Dry, Damp Locations, IP66
Convection Cooled in plastic housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL8750 Class 2, cUL (Type HL), FCC B, CB, PSE,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 0.2A / 47~63Hz	PF > 0.9, THD < 20% : input 100Vac, Load > 60%
Input Inrush Current : < 10A / 115Vac, < 20A / 230Vac	PF > 0.9, THD < 20% : input > 100~277Vac, Load > 80%
Surge Immunity (IEC61000-4-5) : 4KV	Efficiency : 12V,18V/80%, 24V,36V/82% at 115Vac full load
Turn on delay time : < 2 Sec. at 100 ~277Vac	Load Regulation : ±5%; DC Output Ripple/Noise : ±15%@CV
Operation Temp.: -40°C ~ +50°C, Tc : 90°C; Storage Temp.: -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LP1013-12	12V	500 ~ 1000mA	600 ~ 1000mA	8 ~ 12V	12W (cUL- class 2)
LP1013-18	18V	400 ~ 700mA	400 ~ 700mA	9 ~ 18V	12.6W (cUL- class 2)
LP1013-24	24V	300 ~500mA	350 ~ 500mA	12 ~ 24V	12W (cUL- class 2)
LP1013-36	36V	150 ~ 350mA	200 ~ 350mA	18 ~ 39V	12.6W (cUL- class 2)

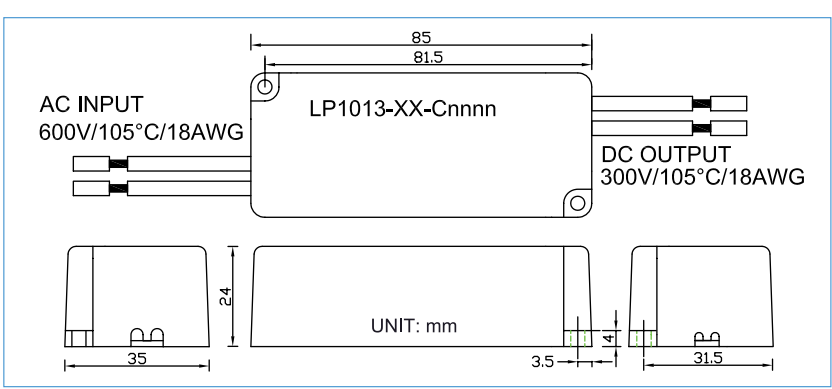
Note 1: We can provide any fixed output current or voltage between 200 ~ 1000mA or 12 ~ 36V to meet customers' requirements.

Model Information

LP1013-XX-Cnnnn
1013 = Single DC Output, 12~12.6 Watts Max. **XX** = Voltage Output, 12 = 12V,... , 36 = 36V.
Cnnnn = (Optional or blank) Constant Current Output, C1000 = 1000mA,... , C0350 = 350mA.

Mechanical Drawing

Case Dimension : 85(L), 35(W), 24(H)mm
Weight : 120g typical
CUFT : 0.006' / ea



■ AC to DC Switch Power Supply 14~18 Watts



Applications

- LED Light Bar
- LED Commercial Industrial Lighting
- LED Lighting

cUL[®]us FC CE IP66 RoHS REACH

Features

Available in Constant Current or Constant Voltage
Protection : OCP, SCP, Auto Recovery ; OVP
Suitable for Dry, Damp Locations, IP66
Convection Cooled in plastic housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL879, UL1310 Class 2, cUL, FCC B,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100~240/277Vac / 0.3~0.105A / 50/60Hz	PF > 0.9, THD < 20% : input 100~230Vac, Load > 80%
Input Inrush Current : < 10A / 115Vac, < 20A / 230Vac	Efficiency : 12V / 76%, 24V / 82%, 36V / 84% at 115Vac full load
Surge Immunity (IEC61000-4-5) : 1KV	Load Regulation : ±5%
Turn on delay time : < 2 Sec. at 100 ~277Vac	DC Output Ripple/Noise : ±15%@CV
Operation Temp. : -30°C ~ +50°C, Tc : 90°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LP1017-12	12V	550 ~ 1500mA	830 ~ 1500mA	6 ~ 12V	18W (cUL- class 2)
LP1017-24	24V	350 ~ 700mA	430 ~ 700mA	12 ~ 24V	17W (cUL- class 2)
LP1017-36	36V	280 ~ 470mA	300 ~ 470mA	18 ~ 36V	17W (cUL- class 2)

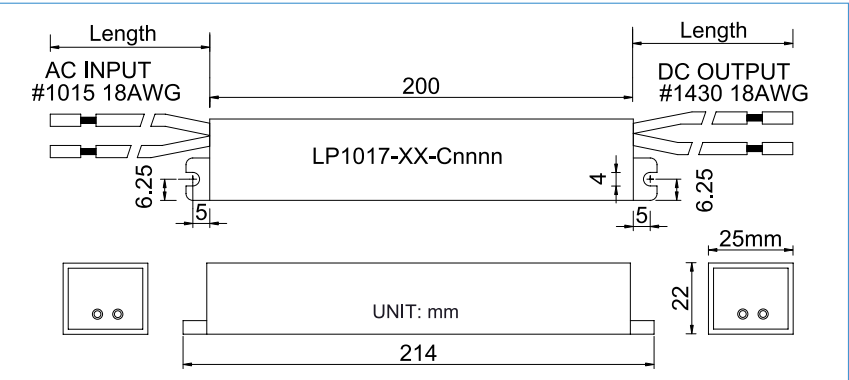
Note 1: We can provide any fixed output current or voltage between 300 ~ 1500mA or 12 ~ 36V to meet customers' requirements.

Model Information

LP1017-XX-Cnnnn
1017 = Single DC Output, 17~18 Watts Max. **XX** = Voltage Output, 12 = 12V,... , 36 = 36V.
Cnnnn = (Optional or blank) Constant Current Output, C1500 = 1500mA,... , C0470 = 470mA.

Mechanical Drawing

Case Dimension : 214(L), 25(W), 22(H)mm
Weight : 200g typical



■ AC to DC LED Power Supply 16~21 Watts



Applications

- LED Architectural Lighting
- LED Commercial Industrial Lighting
- LED Lighting

cUL[®]us [®]us FC CE CB IP66 RoHS REACH

Features

Available in Constant Current or Constant Voltage
Protection : OCP, SCP, OVP - Auto Recovery
Suitable for Dry, Damp Locations, IP66
Convection Cooled in plastic housing
Five Years Warranty (Life @ Tc : 75°C 40,000 Hours)

Certifications

UL879, UL1310 Class 2, cUL, FCC B, CB, PSE,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 0.3~0.15A / 50/60Hz	PF > 0.92, THD < 20% : Input 100~230Vac, Load > 80%
Input Inrush Current : < 10A / 115Vac, < 20A / 230Vac	PF > 0.92, THD < 20% : Input 277Vac at full load
Surge Immunity (IEC61000-4-5) : 4KV	Efficiency : 12V/80%, 18V/82%, 24V/83%, 52V/86% at 115Vac full load
Turn on delay time : < 1 Sec.	Load Regulation : ±5%, DC Output Ripple/Noise : ±10%
Operation Temp. : -40°C ~ +50°C, Tc : 85°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LP1020-10	10V	100 ~ 2000mA	700 ~ 2000mA	7 ~ 10V	20W (cUL- class 2)
LP1020-12	12V	88 ~ 1760mA	700 ~ 1760mA	7 ~ 12V	21W (cUL- class 2)
LP1020-13	13V	77 ~ 1540mA	700 ~ 1540mA	7 ~ 13V	20W (cUL- class 2)
LP1020-15	15V	67 ~ 1330mA	700 ~ 1330mA	9 ~ 15V	20W (cUL- class 2)
LP1020-17	17V	63 ~ 1250mA	700 ~ 1250mA	9 ~ 17V	21W (cUL- class 2)
LP1020-18	18V	55 ~ 1100mA	700 ~ 1100mA	9 ~ 18V	20W (cUL- class 2)
LP1020-20	20V	50 ~ 1000mA	350 ~ 1000mA	10 ~ 20V	20W (cUL- class 2)
LP1020-22	22V	46 ~ 910mA	350 ~ 910mA	12 ~ 22V	20W (cUL- class 2)
LP1020-24	24V	42 ~ 830mA	350 ~ 830mA	12 ~ 24V	20W (cUL- class 2)
LP1020-36	36V	28 ~ 550mA	250 ~ 550mA	18 ~ 42V	20W (cUL- class 2)
LP1020-52	52V	20 ~ 400mA	220 ~ 400mA	26 ~ 52V	21W (UL- class 2)
LP1020-52C	52V	20 ~ 400mA	220 ~ 400mA	26 ~ 52V	21W (cUL)

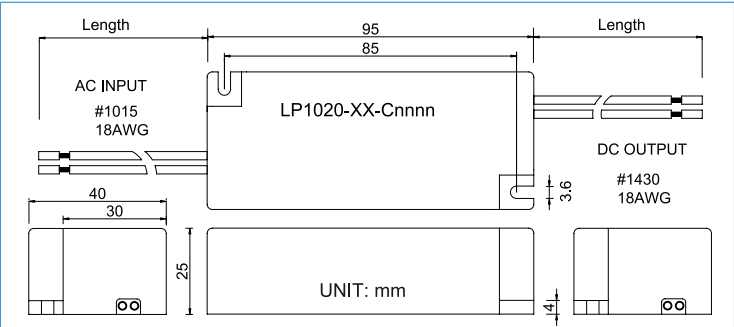
Note 1: We can provide any fixed output current or voltage between 220 ~ 2000mA or 10 ~ 52V to meet customers' requirements.

Model Information

LP1020-XX-Cnnnn
1020 = Single DC Output, 20~21 Watts Max.
XX = Voltage Output, 12 = 12V,... , 52 = 52V.
Cnnnn = (Optional or blank) Constant Current Output, C2000 = 2000mA,... , C0400 = 400mA.

Mechanical Drawing

Case Dimension : 95(L), 40(W), 25(H)mm
Weight : 160g typical
CUFT : 0.008' / ea



■ AC to DC LED Power Supply 19~30 Watts



Applications

- LED Architectural Lighting
- LED Commercial Industrial Lighting
- LED Lighting

Features

Available in Constant Current or Constant Voltage
Protection : OCP, SCP- Auto Recovery ; OVP
Suitable for Dry, Damp Locations, IP66
Convection Cooled in plastic housing
Five Years Warranty (Life @ Tc : 75°C 40,000 Hours)

Certifications

UL879, UL1310 Class 2, cUL, FCC B, CB, PSE,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100~240 / 277Vac / 0.5~0.125A / 47-63Hz	PF > 0.92, THD < 20% : Input 100-230Vac, Load > 65%
Input Inrush Current : < 10A / 115Vac, < 20A / 230Vac	PF > 0.92, THD < 20% : Input 277Vac, Load > 90%
Surge Immunity (IEC61000-4-5) : 4KV	Efficiency : 12V/80%, 24V/83%, 36V/84%, 50V/86% at 115Vac full load
Turn on delay time : < 0.6 Sec.	Load Regulation : ±5%, DC Output Ripple/Noise : ±10%
Operation Temp. : -30°C ~ +50°C, Tc : 85°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LP1025-12	12V	100 ~ 2080mA	700 ~ 2080mA	8 ~ 12V	25W (cUL- class 2)
LP1025-24	24V	50 ~ 1040mA	350 ~ 1040mA	12 ~ 24V	25W (cUL- class 2)
LP1025-36	36V	35 ~ 700mA	350 ~ 700mA	18 ~ 36V	25W (cUL- class 2)
LP1025-42	42V	35 ~ 700mA	300 ~ 700mA	24 ~ 42V	30W (cUL- class 2)
LP1025-50	50V	30 ~ 600mA	300 ~ 600mA	24 ~ 50V	30W (cUL- class 2)
LP1025-50C	50V	30 ~ 600mA	300 ~ 600mA	24 ~ 50V	30W (cUL)

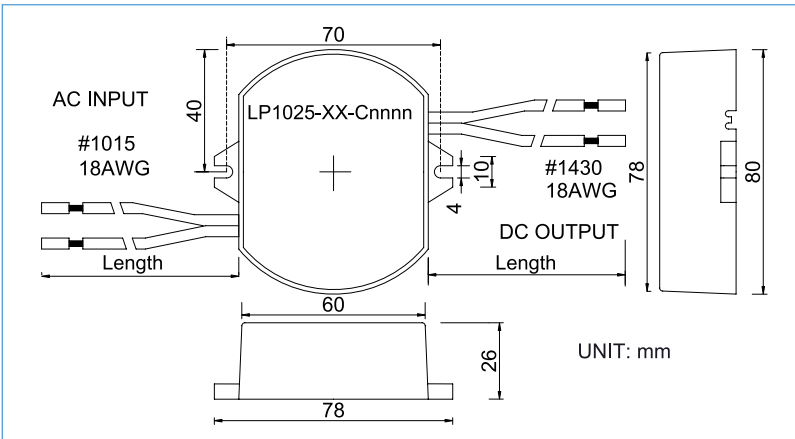
Note 1: We can provide any fixed output current or voltage between 300 ~ 2080mA or 12 ~ 50V to meet customers' requirements.

Model Information

LP1025 - XX-Cnnnn
1025 = Single DC Output, 25~30 Watts Max.
XX = Voltage Output, 12 = 12V,... , 50 = 50V.
Cnnnn = (Optional or blank) Constant Current Output, C2080 = 2080mA,... , C0600 = 600mA.

Mechanical Drawing

Case Dimension : 80(L), 78(W), 26(H)mm
Weight : 210g typical
CUFT : 0.01' / ea



■ AC to DC Switch Power Supply 18~30 Watts



Applications

- LED Architectural Lighting
- LED Commercial Industrial Lighting
- LED Lighting

Features

Available in Constant Current or Constant Voltage
Protection : OCP, SCP, OVP, OTP (limit-CC) - Auto Recovery
Suitable for Dry, Damp Locations, IP66
Convection Cooled in plastic housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL8750 Class 2, cUL (Type HL), FCC B, CB, PSE,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 0.4~0.2A / 50~60Hz	PF > 0.92, THD < 20% : Input 115~230Vac, Load > 60%
Input Inrush Current : < 10A / 115Vac, < 20A / 230Vac	PF > 0.92, THD < 20% : Input 277Vac, Load > 80%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 4KV	Efficiency : 15V/81%, 24V/81%, 36V/84%, 48V/86V/85% at 115Vac full load
Turn on delay time : < 1.5 Sec. at 110Vac	Load Regulation : ±5% , DC Output Ripple/Noise p-p : ±6%@CV
Operation Temp. : -40°C ~ +50°C, Tc : 90°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage Range	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LP1026-15	11 ~ 18V	900 ~ 2200mA	1000 ~ 2200mA	10 ~ 18V	24W (cUL- class 2)
LP1026-24	18 ~ 28V	700 ~ 1500mA	800 ~ 1500mA	16 ~ 28V	30W (cUL- class 2)
LP1026-36	28 ~ 42V	500 ~ 1000mA	600 ~ 1000mA	23 ~ 42V	30W (cUL- class 2)
LP1026-48	38 ~ 56V	400 ~ 750mA	500 ~ 750mA	30 ~ 56V	30W (cUL- class 2)
LP1026-86	N/A		350 ~ 530mA	48 ~ 86V	30W (cUL)

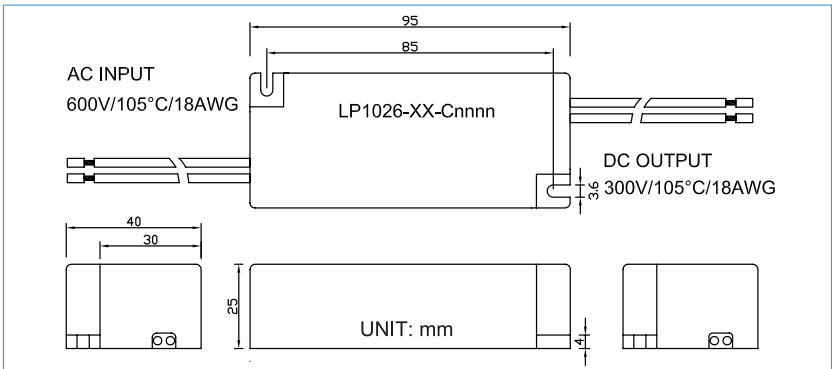
Note 1: We can provide any fixed output current or voltage between 350 ~ 2200mA or 11 ~ 56V to meet customers' requirements.

Model Information

LP1026-XX-Cnnnn
1026 = Single DC Output, 24~30 Watts Max. **XX** = Voltage Output, 15 = 15V,... , 86 = 86V.
Cnnnn = (Optional or blank) Constant Current Output, C2200 = 2200mA,... , C0350 = 350mA.

Mechanical Drawing

Case Dimension : 95(L), 40(W), 25(H)mm
Weight : 160g typical
CUFT : 0.008' / ea



■ AC to DC LED Power Supply 20~40 Watts



Applications

- LED Architectural Lighting
- LED Commercial Industrial Lighting
- LED Lighting

Features

Available in Constant Current or Constant Voltage
Compatible with 0 ~ 10Vdc Dimming Controller (CC)
Protection : OCP, SCP, OVP, OTP (limit-CC) - Auto Recovery
Suitable for Dry, Damp Locations, IP66
Convection Cooled in plastic housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL8750 Class 2, cUL (Type HL), FCC B, CB, PSE,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 0.5~0.2A / 50/60Hz	PF > 0.92, THD < 20% : Input 100~230Vac, Load > 50%
Input Inrush Current : < 10A / 115Vac, < 20A / 230Vac	PF > 0.92, THD < 20% : Input 277Vac, Load > 80%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 4KV	Efficiency : 15V/81%,24V/83%,36V/ 85%,48V,112V/ 86% at 115Vac full load
Turn on delay time : < 0.5 Sec. at 110Vac	Load Regulation : ±5% (24V: ±6%)
Operation Temp. : -40°C ~ +50°C, Tc : 90°C	DC Output Ripple/Noise p-p : ±10%@CV, DC no load : < 0.5W
Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage Range	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LP1036-15	11 ~ 18V	700 ~ 3330mA	1600 ~ 3330mA	10 ~ 18V	40W (cUL- class 2)
LP1036-24	18 ~ 28V	500 ~ 2000mA	1000 ~ 2000mA	16 ~ 28V	40W (cUL- class 2)
LP1036-36	28 ~ 42V	500 ~ 1330mA	700 ~ 1330mA	23 ~ 42V	40W (cUL- class 2)
LP1036-48	38 ~ 56V	400 ~ 1000mA	500 ~ 1000mA	30 ~ 56V	40W (cUL- class 2)
LP1036-112	N/A		350 ~ 720mA	60 ~ 112V	40W (cUL)

Note 1: We can provide any fixed output current or voltage between 350 ~ 3330mA or 11 ~ 56V to meet customers' requirements.

Model Information

LP1036-XXX-Cnnnn-DDDD

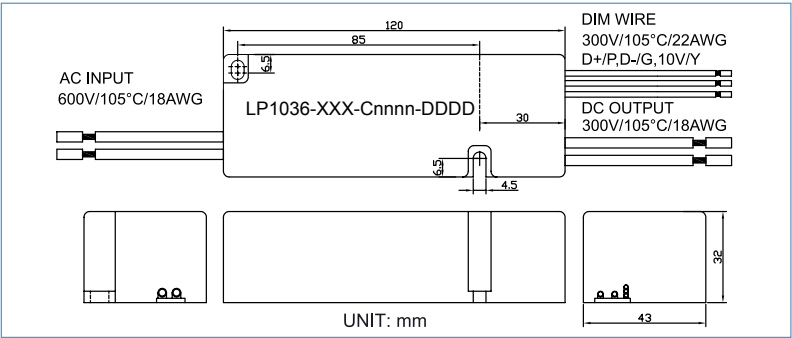
1036 = Single DC Output, 40 Watts Max. XXX = Voltage Output, 15 = 15V,... , 112 = 112V.

Cnnnn = (Optional or blank) Constant Current Output, C3330 = 3330mA,... , C0350 = 350mA.

DDDD = (Optional or blank) for constant current dimming function.
(Gray/D-, Purple/D+, Yellow/10Vdc/10mA)
010V = 0~10Vdc (Off < 1V, 10~100%),
or VR = Resistor (10K~100KΩ, 10~100%),
or PWM = 10V PWM Signal (200 ~ 5kHz).
(Dimming : Refer to Dimming Instruction- A)

Mechanical Drawing

Case Dimension : 120(L), 43(W), 32(H)mm
Weight : 280g typical



■ AC to DC Switch Power Supply 32~40 Watts



Applications

- LED Architectural Lighting
- LED Commercial Industrial Lighting
- LED Lighting

Features

Available in Constant Current or Constant Voltage
Protection : OCP, SCP- Auto Recovery ; OVP
Suitable for Dry, Damp Locations, IP66 ; Convection Cooled in plastic housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL879, UL1310, UL8750 Class 2, cUL (Type HL), FCC B, CB, PSE,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100~240/277Vac / 0.5~0.2A / 50/60Hz	PF > 0.9, THD < 20% : Input 100- 230Vac, Load > 80%
Input Inrush Current : < 10A / 115Vac, < 20A / 230Vac	Efficiency : 12V/82%, 18V/83%, 24V/86%, 36V/87%. 48V/88% at 115Vac full load
Surge Immunity (IEC61000-4-5) : 4KV	Load Regulation : ±5%
Turn on delay time : < 1 Sec.	DC Output Ripple/Noise p-p : ±15%@CV
Operation Temp. : -40°C ~ +50°C, Tc : 90°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LP1040-09	9V	2000 ~ 4450mA	3000 ~ 4450mA	6~ 9V	40W (cUL- class 2)
LP1040-10	10V	2000 ~ 4000mA	3000 ~ 4000mA	6~ 10V	40W (cUL- class 2)
LP1040-12	12V	1600 ~ 3330mA	1700 ~ 3330mA	7 ~ 12V	40W (cUL- class 2)
LP1040-13	13V	1600 ~ 3080mA	1700 ~ 3080mA	7 ~ 13V	40W (cUL- class 2)
LP1040-15	15V	1100 ~ 2660mA	1200 ~ 2660mA	10 ~ 15V	40W (cUL- class 2)
LP1040-18	18V	1100 ~ 2220mA	1200 ~ 2220mA	10 ~ 18V	40W (cUL- class 2)
LP1040-22	22V	800 ~ 1820mA	900 ~ 1820mA	13 ~ 22V	40W (cUL- class 2)
LP1040-24	24V	800 ~ 1670mA	900 ~ 1670mA	13 ~ 24V	40W (cUL- class 2)
LP1040-36	36V	500 ~ 1110mA	600 ~ 1110mA	20 ~ 42V	40W (cUL- class 2)
LP1040-48	48V	400 ~ 830mA	500 ~ 830mA	28 ~ 52V	40W (cUL- class 2)

Note 1: We can provide any fixed output current or voltage between 500 ~ 4450mA or 9 ~ 48V to meet customers' requirements.

Model Information

LP1040-XX-Cnnnn

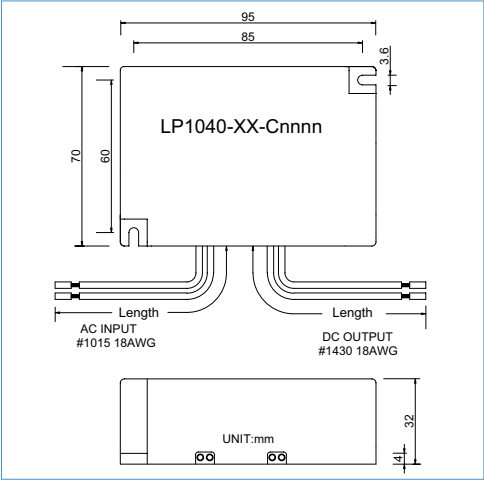
1040 = Single DC Output, 40 Watts Max.

XX = Voltage Output, 12 = 12V,... , 48 = 48V.

Cnnnn = (Optional or blank) Constant Current Output, C4450 = 4450mA,... , C0830 = 830mA.

Mechanical Drawing

Case Dimension : 95(L), 70(W), 32(H)mm
Weight : 355g typical
CUFT : 0.015' / ea



■ AC to DC Switch Power Supply 30~60 Watts



Applications

- LED Architectural Lighting
- LED Commercial Industrial Lighting
- LED Lighting

Features

Available in Constant Current or Constant Voltage
Compatible with 0 ~10V Dimming Controller (CC)
Surge Immunity (IEC 61000-4-5) : 6KV
Protection : OCP, SCP, OVP, OTP (limit-CC) - Auto Recovery
Suitable for Dry, Damp Locations, IP66 ; Convection Cooled in plastic housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL8750 Class 2, cUL (Type HL), FCC B, CB, PSE,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 0.8~0.4A / 50/60Hz	PF > 0.92, THD < 20% : Input 115~230Vac, Load > 50%
Input Inrush Current : < 20A / 115Vac, < 40A / 230Vac	PF > 0.90, THD < 20% : Input 277Vac, Load > 70%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 6KV	Efficiency : 24V/85%, 36V/86%, 48V/87%, 112V/89% at 115Vac full load
Turn on delay time : < 1 Sec. at 110Vac	Load Regulation : ±5%, DC Output Ripple/Noise p-p : 10%
Operation Temp. : -40°C ~ +50°C, Tc : 90°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage Range	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LP1056-24	18 ~ 28V	300 ~ 3000mA	1500 ~ 3000mA	16 ~ 28V	60W (cUL- class 2)
LP1056-36	28 ~ 42V	200 ~ 2000mA	1000 ~ 2000mA	23 ~ 42V	60W (cUL- class 2)
LP1056-48	38 ~ 56V	150 ~ 1500mA	700 ~ 1500mA	30 ~ 56V	60W (cUL- class 2)
LP1056-112	N/A		500 ~ 700mA	60 ~ 112V	60W (cUL)

Note 1: We can provide any fixed output current or voltage between 500 ~ 3000mA or 18 ~ 56V to meet customers' requirements.

Model Information

LP1056-XXX-Cnnnn-DDDD

1056 = Single DC Output, 60 Watts Max. **XXX** = Voltage Output, 24 = 24V,... , 112 = 112V.

Cnnnn = (Optional or blank) Constant Current Output, C3000 = 3000mA,... , C0500 = 500mA.

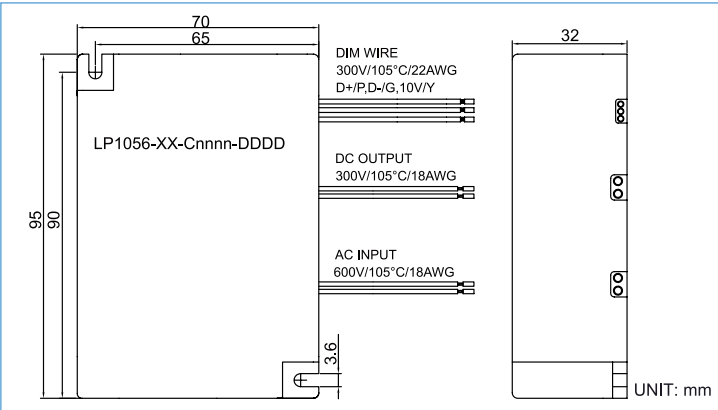
DDDD = (Optional or blank) for constant current dimming function. (Gray/D-, Purple/D+, Yellow/12Vdc/20mA)

010V = 0~10Vdc (Off < 1V, 10~100%),
or **VR** = Resistor (10K~100KΩ, 10~100%),
or **PWM** = 10V PWM Signal (200 ~ 5kHz).

(Dimming : Refer to Dimming Instruction- A)

Mechanical Drawing

Case Dimension : 95(L), 70(W), 32(H)mm, 117Ø
Weight : 400g typical



■ AC to DC Switch Power Supply 35~70 Watts



Applications

- LED Street Lighting
- LED Commercial Industrial Lighting
- LED Lighting

Features

Available in Constant Current or Constant Voltage
Compatible with 0 ~10V Dimming Controller (CC)
Surge Immunity (IEC61000-4-5) : 6KV
Protection : OCP, SCP, OVP, OTP (limit-CC) - Auto Recovery
Suitable for Dry, Damp, Wet Locations, IP67; Convection Cooled in aluminum housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL8750 Class 2, cUL (Type HL), FCC B, CB,
CE (EN55015, EN61547, EN61347, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 0.8~0.4A / 50/60Hz	PF > 0.92, THD < 20% : Input 115~230Vac, Load > 50%
Input Inrush Current : < 20A / 115Vac, < 40A / 230Vac	PF > 0.90, THD < 20% : Input 277Vac, Load > 70%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 6KV	Efficiency : 24V/85%, 36V/86%, 48V/87%, 112V/89% at 115Vac full load
Turn on delay time : < 1 Sec. at 110Vac	Load Regulation : ±5%, DC Output Ripple/Noise p-p : 10%
Operation Temp. : -40°C ~ +50°C, Tc : 90°C; Storage Temp. : -40°C ~ +85°C	MTBF (@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage Range	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LP1057-24	18 ~ 28V	300 ~ 3000mA	1500 ~ 3000mA	16 ~ 28V	60W (cUL- class 2)
LP1057-36	28 ~ 42V	200 ~ 2000mA	1000 ~ 2000mA	23 ~ 42V	60W (cUL- class 2)
LP1057-48	38 ~ 56V	150 ~ 1500mA	700 ~ 1500mA	30 ~ 56V	60W (cUL- class 2)
LP1057-112	N/A		500 ~ 700mA	60 ~ 112V	70W (cUL)

Note 1: We can provide any fixed output current or voltage between 500 ~ 3000mA or 18 ~ 56V to meet customers' requirements.

Model Information

LP1057-XXX-Cnnnn-DDDD

1057 = Single DC Output , 60~70 Watts Max. **XXX** = Voltage Output, 24 = 24V,... , 112 = 112V.

Cnnnn = (Optional or blank) Constant Current Output, C3000 = 3000mA,... , C0500 = 500mA.

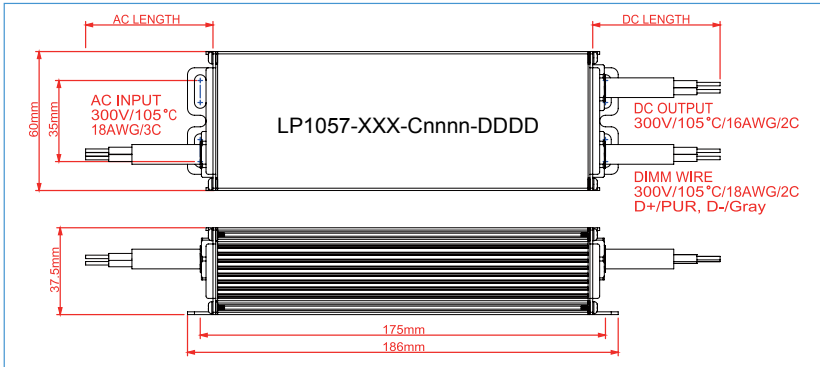
DDDD = (Optional or blank) for constant current dimming function. (Gray/D-, Purple/D+, Yellow/D+)

(Dimming : Refer to Dimming Instruction- A)

010V = 0~10Vdc (Off < 1V, 10~100%),
or **VR** = Resistor (10K~100KΩ, 10~100%),
or **PWM** = 10V PWM Signal (200 ~ 5kHz).

Mechanical Drawing

Case Dimension : 186(L), 60(W), 37.5(H)mm
Weight : 700g typical



■ AC to DC Switch Power Supply 60 Watts



Applications

- LED Street Lighting
- LED Architectural Lighting
- LED Industrial Lighting
- LED Lighting

cUL[®]us FC CE PSE IP66 RoHS REACH

Features

Available in Constant Current or Constant Voltage
Protection : OCP, SCP, OVP - Auto Recovery
Suitable for Dry, Damp Locations, IP66
Convection Cooled, aluminum housing with various types of end plates
Three Years Warranty (Life @ Tc : 80°C 20,000 Hours)

Certifications

UL879, UL1310 Class 2, cUL, FCC A, PSE,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class D)

Specifications

AC Input Range : 100~240Vac / 1A / 47~63Hz		PF > 0.9 : Input 115~230Vac at full load.	
Input Inrush Current : < 20A / 115Vac, < 40A / 230Vac		Efficiency : 12V/80%, 15V,17V/81%, 24V/82% at 115Vac/60Hz full load	
Leakage Current : < 0.2mA / 115Vac, < 0.4mA / 230Vac		Load Regulation : ±5%	
Surge Immunity : 1KV(L-N), 2KV(L/N-PE), Turn on delay time : < 3 Sec.		DC Output Ripple/Noise : 3%	
Operation Temp. : -10°C ~ +50°C, Tc : 80°C; Storage Temp. : -40°C ~ +85°C		MTBF(@50°C) : > 50,000 Hours, MIL-217F	

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage Range	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LP1060-12-YZ-E	7 ~ 12V	500 ~ 5000mA	3200 ~ 5000mA	7 ~ 12V	60W (cUL- class 2)
LP1060-15-YZ-E	10 ~ 15V	200 ~ 4000mA	2450 ~ 4000mA	9 ~ 15V	60W (cUL- class 2)
LP1060-17-YZ-E	10 ~ 17V	200 ~ 3330mA	2500 ~ 3500mA	9 ~ 17V	60W (cUL- class 2)
LP1060-24-YZ-E	18 ~ 24V	100 ~ 2500mA	1500 ~ 2500mA	13 ~ 24V	60W (cUL- class 2)

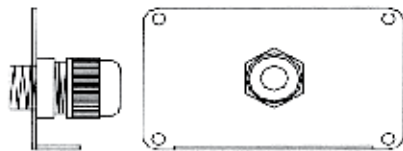
Note 1: We can provide any fixed output current or voltage between 1500 ~ 5000mA or 7 ~ 24V to meet customers' requirements.

Model Information

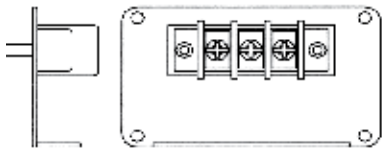
LP1060 - XX - YZ - E
1060 = Single DC Output, 60 Watts Max. XX = Voltage Output, 12 = 12V, 15 = 15V, 17 = 17V, 24 = 24V
Y = AC Input End Plates & Connectors (See Mechanical Drawing)
Z = DC Output End Plates & Connectors (See Mechanical Drawing)
E = Aluminum Housing Length, 170mm, 240mm, 290mm (Model : -290, -298, -299)

Mechanical Drawing

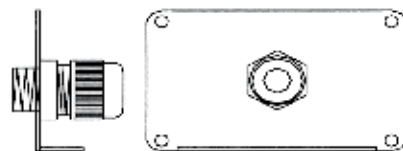
Y = AC Input End Plates & Connectors
Y = G, T
G = GLAND (1/4" or 1/2")



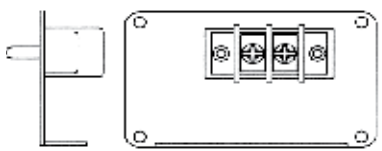
T = TERMINAL (TL-03)



Z = DC Output End Plates & Connectors
Z = G, T
G = GLAND (1/4" or 1/2")

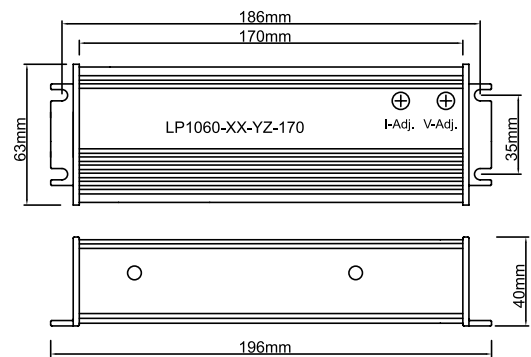


T = TERMINAL (TL-02)

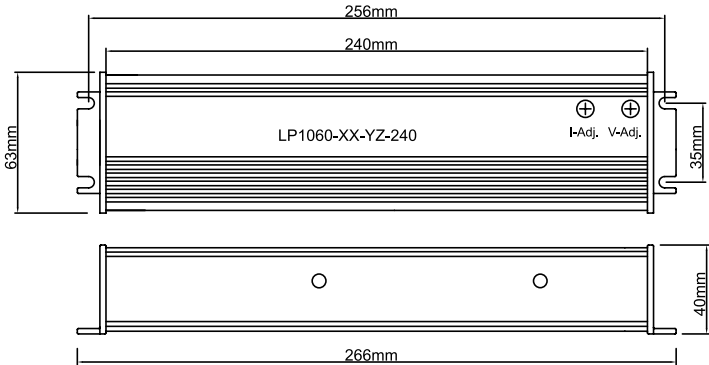


Housing Length	Case Dimension(mm)			Weight(g)
	L	W	H	
E=170mm	196	63	40	600
E=240mm	266	63	40	730
E=290mm	316	63	40	750

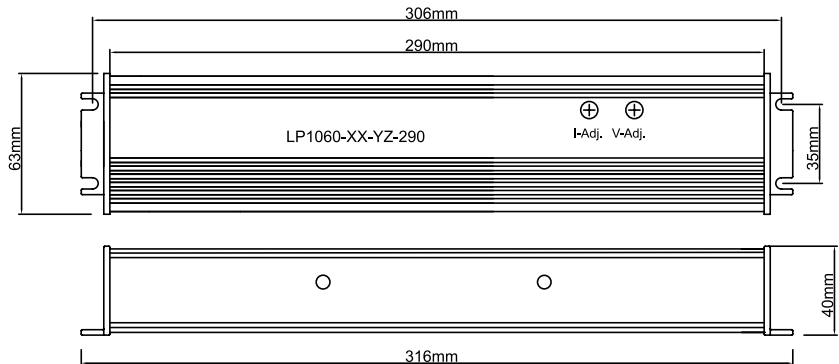
E = Aluminum Housing Length
E = 170 (170mm)



E = 240 (240mm)



E = 290 (290mm)



■ AC to DC Switch Power Supply 76~96 Watts



Applications

- LED Street Lighting
- LED Architectural Lighting
- LED Commercial Industrial Lighting
- LED Lighting

cUL[®]us FCC CE CB IP66 RoHS REACH

Features

Available in Constant Current or Constant Voltage
Protection : OCP, SCP, OVP - Auto Recovery
Suitable for Dry (-TT), Damp, Wet Locations (-GG), IP66
Convection Cooled, aluminum housing with various types of end plates
Three Years Warranty (Life @ Tc : 80°C 20,000 Hours) / Five Years Warranty (Life @ Tc : 70°C 40,000 Hours)

Certifications

UL879, UL1310, UL8750 Class 2, cUL, FCC B, CB,
CE (EN55015, EN61547, EN61347-2-13, N61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 1.5~0.47A / 47~63Hz	PF > 0.9, THD < 20% : Input 100~ 230Vac, Load > 80%
Input Inrush Current : < 20A / 115Vac, < 40A / 230Vac	PF > 0.9, THD < 20% : Input 277Vac at full load
Leakage Current : < 0.4mA /115Vac, < 0.75mA / 230Vac	Efficiency : 19V,24V/85% , 36V/86% , 48V/87% at 115Vac full load
Surge Immunity (IEC61000-4-5) : 3KV	Load Regulation : ±5% (36V/48V CC: ±7%)
Turn on delay time : < 3 Sec. at 110Vac	Output Voltage Ripple/Noise : ±10%
Operation Temp. : -40°C ~ +50°C, Tc : 80°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage Range	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LP1090-19-YZ-E	12 ~ 19V	2000 ~ 5000mA	3000 ~ 5000mA	10 ~ 19V	96W (cUL- class 2)
LP1090-24-YZ-E	18 ~ 24V	1500 ~ 4000mA	2500 ~ 4000mA	12 ~ 24V	96W (cUL- class 2)
LP1090-36-YZ-E	24 ~ 36V	1300 ~ 2660mA	1500 ~ 2660mA	18 ~ 36V	96W (cUL- class 2)
LP1090-48-YZ-E	36 ~ 52V	1000 ~ 2000mA	1000 ~ 2000mA	24 ~ 52V	96W (cUL)

Note 1: We can provide any fixed output current or voltage between 1000 ~ 5000mA or 12 ~ 52V to meet customers' requirements.

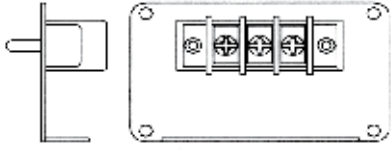
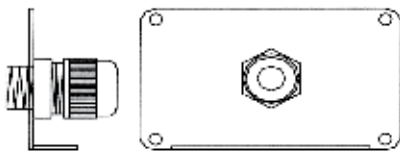
Model Information

LP1090 - XX - YZ - E
1090 = Single DC Output, 96 Watts Max. XX = Voltage Output, 19 = 19V, 24 = 24V, 36 = 36V, 48 = 48V
Y = AC Input End Plates & Connectors (See Mechanical Drawing)
Z = DC Output End Plates & Connectors (See Mechanical Drawing)
E = Aluminum Housing Length, 170mm, 240mm, 290mm (Model : -290, -298, -299)

Mechanical Drawing

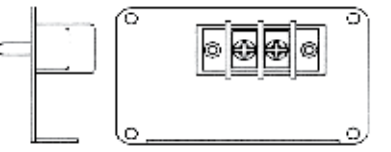
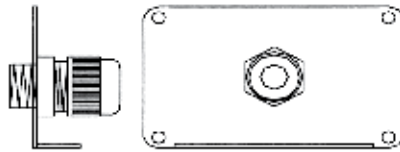
Y = AC Input End Plates & Connectors
Y = G, T
G = GLAND (1/4" or 1/2")

T = TERMINAL (TL-03)



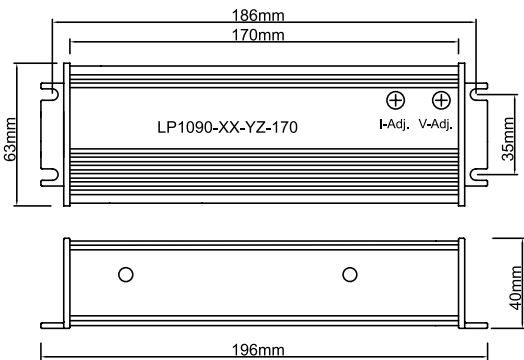
Z = DC Output End Plates & Connectors
Z = G, T
G = GLAND (1/4" or 1/2")

T = TERMINAL (TL-02)

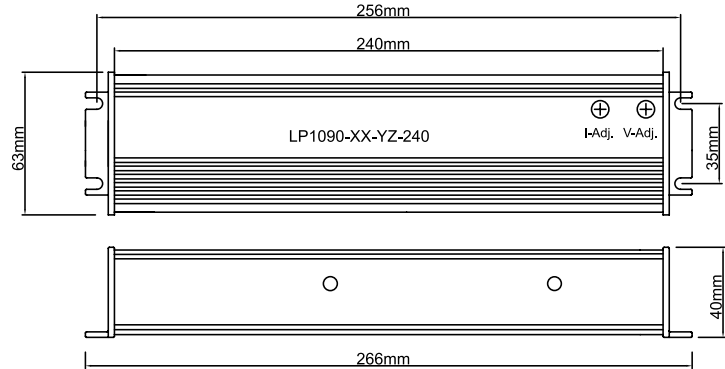


Housing Length	Case Dimension(mm)			Weight(g)
	L	W	H	
E=170mm	196	63	40	600
E=240mm	266	63	40	730
E=290mm	316	63	40	750

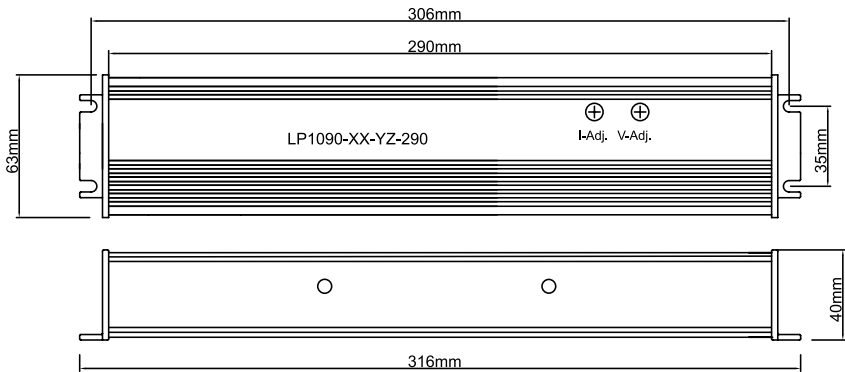
E = Aluminum Housing Length
E = 170 (170mm)



E = 240 (240mm)



E = 290 (290mm)



■ AC to DC Switch Power Supply 60~100 Watts



Applications

- LED Architectural Lighting
- LED Commercial Industrial Lighting
- LED Lighting

Features **IP66** RoHS REACH

Available in Constant Current or Constant Voltage
Compatible with 0 ~10V Dimming Controller (CC)
Surge Immunity (IEC 61000-4-5) : 6KV
Protection : OCP, SCP, OVP, OTP (limit-CC) - Auto Recovery
Suitable for Dry, Damp Locations, IP66 ; Convection Cooled in plastic housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL8750 Class 2, cUL (Type HL), FCC B, CB, PSE,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac/ 1.5~0.75A/ 50/60Hz	PF > 0.92, THD < 20% : Input 115~230Vac, Load > 60%
Input Inrush Current : < 20A / 115Vac, < 40A / 230Vac	PF > 0.90, THD < 20% : Input 277Vac, Load > 80%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 6KV	Efficiency : 24V/85%,36V/86%,48V/87%,112V,168V/88% at 115Vac full load
Turn on delay time : < 0.5 Sec. at 110Vac	Load Regulation : ±5%, DC Output Ripple/Noise p-p : 10%
Operation Temp. : -40°C ~ +50°C, Tc : 90°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage Range	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LP1096-24	18 ~ 28V	500 ~ 4000mA	2500 ~ 4000mA	16 ~ 28V	96W (cUL- class 2)
LP1096-36	28 ~ 42V	320 ~ 3200mA	1600 ~ 3200mA	23 ~ 42V	96W (cUL- class 2)
LP1096-48	38 ~ 56V	240 ~ 2400mA	1200 ~ 2400mA	30 ~ 56V	96W (cUL- class 2)
LP1096-112	N/A		1000 ~ 1250mA	60 ~ 112V	100W (cUL)
LP1096-168	N/A		500 ~ 700mA	90 ~ 168V	100W (cUL)

Note 1: We can provide any fixed output current or voltage between 500 ~ 4000mA or 18 ~ 56V to meet customers' requirements.

Model Information

LP1096-XXX-Cnnnn-DDDD

1096 = Single DC Output, 96 Watts Max. **XXX** = Voltage Output, 24 = 24V,... , 168 = 168V.

Cnnnn = (Optional or blank) Constant Current Output, C4000 = 4000mA,... , C0500 = 500mA.

DDDD = (Optional or blank) for constant current dimming function.

(Gray/D-, Purple/D+, Yellow/12Vdc/20mA)

010V = 0~10Vdc (Off < 1V, 10~100%),

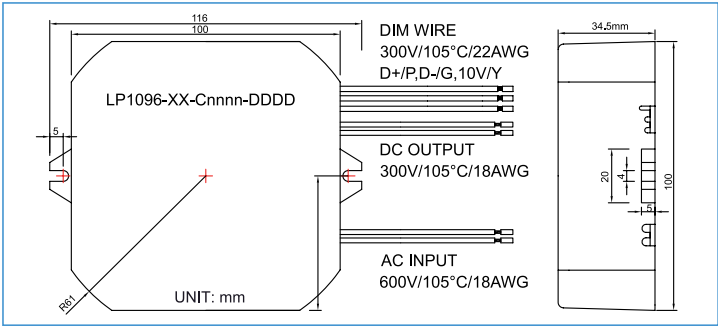
or **VR** = Resistor (10K~100KΩ, 10~100%),

or **PWM** = 10V PWM Signal (200 ~ 5kHz).

(Dimming : Refer to Dimming Instruction- A)

Mechanical Drawing

Case Dimension : 116(L), 100(W), 34.5(H)mm, 122Ø
Weight : 570g typical



■ AC to DC Switch Power Supply 50~100 Watts



Applications

- LED Street Lighting
- LED Commercial Industrial Lighting
- LED Lighting

IP67 RoHS REACH
Pending

Features

Available in Constant Current or Constant Voltage
Compatible with 0 ~10V Dimming Controller (CC)
Surge Immunity (IEC61000-4-5) : 6KV
Protection : OCP, SCP, OVP, OTP (limit-CC) - Auto Recovery
Suitable for Dry, Damp, Wet Locations, IP67; Convection Cooled in aluminum housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL8750 Class 2, cUL (Type HL), FCC B, CB,
CE (EN55015, EN61547, EN61347, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac/ 1.5~0.75A/ 50/60Hz	PF > 0.92, THD < 20% : Input 115~230Vac, Load > 50%
Input Inrush Current : < 20A / 115Vac, < 40A / 230Vac	PF > 0.90, THD < 20% : Input 277Vac, Load > 75%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 6KV	Efficiency : 24V/86%, 36V/86%, 48V/88%, 112V,168V/90% at 115Vac full load
Turn on delay time : < 0.5 Sec. at 110Vac	Load Regulation : ±5%, DC Output Ripple/Noise p-p : 10%
Operation Temp. : -40°C ~ +50°C, Tc : 90°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Voltage Range	Output Current Range	Fixed Output Current Range	Output Voltage Range	
LP1097-24	18 ~ 28V	500 ~ 5000mA	2500 ~ 5000mA	14 ~ 28V	96W (cUL- class 2)
LP1097-36	28 ~ 42V	320 ~ 3200mA	1600 ~ 3200mA	21 ~ 42V	96W (cUL- class 2)
LP1097-48	38 ~ 56V	240 ~ 2400mA	1200 ~ 2400mA	30 ~ 56V	96W (cUL- class 2)
LP1097-112	N/A		1000 ~ 1250mA	50 ~ 112V	100W (cUL)
LP1097-168	N/A		500 ~ 700mA	80 ~ 168V	100W (cUL)

Note 1: We can provide any fixed output current or voltage between 500 ~ 5000mA or 18 ~ 56V to meet customers' requirements.

Model Information

LP1097-XXX-Cnnnn-DDDD

1097 = Single DC Output, 96~100 Watts Max. **XXX** = Voltage Output, 24 = 24V,... , 168 = 168V.

Cnnnn = (Optional or blank) Constant Current Output, C5000 = 5000mA,... , C0500 = 500mA.

DDDD = (Optional or blank) for constant current dimming function.(Gray/D-, Purple/D+)

(Dimming : Refer to Dimming Instruction- A)

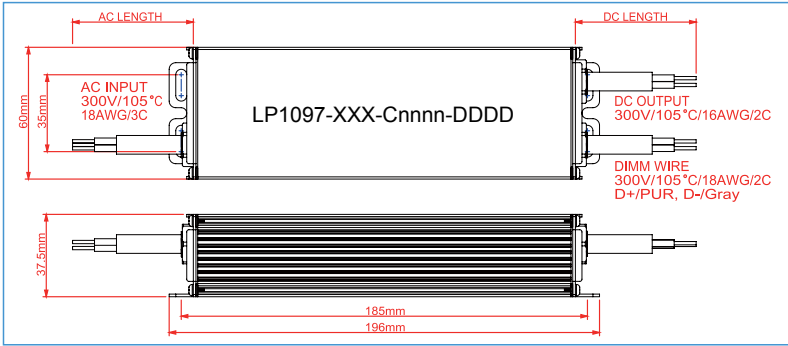
010V = 0~10Vdc (Off < 1V, 10~100%),

or **VR** = Resistor (10K~100KΩ, 10~100%),

or **PWM** = 10V PWM Signal (200 ~ 5kHz).

Mechanical Drawing

Case Dimension : 196(L), 60(W), 37.5(H)mm
Weight : 800g typical



■ AC to DC LED Power Supply 75~150 Watts



Applications

- LED Street Lighting
- LED Commercial Industrial Lighting
- LED Lighting

UL[®]**us** **FC** **CE** RoHS REACH
Pending

Features

Available in Constant Current
Compatible with 0 ~10V Dimming Controller
Surge Immunity (IEC61000-4-5) : 6KV
Protection : SCP, OVP, OCP- Auto Recovery ; OTP (limit-CC)
Suitable for Dry, Damp Locations, IP64 ; Convection Cooled in aluminum housing
Five Years Warranty (Life @ Tc : 75°C 40,000 Hours)

Certifications

UL8750, cUL (Type HL), FCC B,
CE (EN55015, EN61547, EN61347, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 2~1.2A / 47~63Hz	PF > 0.92, THD < 20% : Input 115 ~ 230Vac, Load > 50%
Input Inrush Current : < 40A / 115Vac, < 65A / 230Vac at cold start	PF > 0.92, THD < 20% : Input 277Vac, Load > 60%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 6KV	Efficiency : > 91% at 230Vac full load
Turn on delay time : < 1 sec. at 115 ~ 277Vac	Load Regulation : ±5%, DC Output Ripple/Noise p-p : 5%
Operation Temp. : -40°C ~ +50°C, Tc : 85°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model Listing

Model	Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Current Range	Output Voltage Range	
PCBA150-36-Cnnnn	2500 ~5000mA	21~ 42V	150W (cUL)
PCBA150-48-Cnnnn	1800 ~3750mA	30 ~ 56V	150W (cUL)
PCBA150-120-Cnnnn	1000 ~2000mA	60 ~ 120V	150W (cUL)
PCBA150-240-Cnnnn	500 ~ 1000mA	120 ~ 240V	150W (cUL)

Note 1: We can provide any fixed output current between 500 ~ 5000mA to meet customers' requirements.

Model Information

PCBA150-XXX-Cnnnn-DDDD

PCBA150 = PCBA Series, Single DC Output, 150 Watts Max.

XXX = Voltage Output, 36 = 36V,... , 240 = 240V Max.

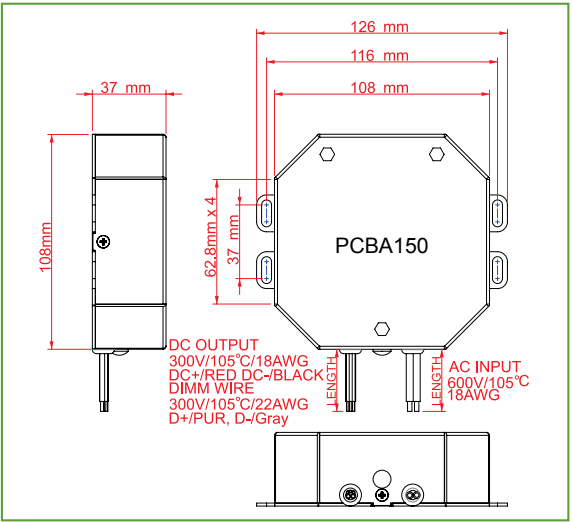
Cnnnn = Constant Current Output, C5000 = 5000mA,... ,
C0500 = 500mA.

DDDD = (Optional or blank) for constant current dimming function.
(Gray D-, Purple D+) (Dimming : Refer to Dimming Instruction- A)

010V = 0~10Vdc (Off < 1V, 10~100%),
or VR = Resistor (10K~100KΩ, 10~100%),
or PWM = 10V PWM Signal (200 ~ 5kHz).

Mechanical Drawing

Case Dimension : 126(L), 108(W), 37(H), 132(D)mm
Weight : 900g typical



■ AC to DC LED Power Supply 11~16.8 Watts



Applications

- HB-LED
- LED Architectural Lighting
- LED Commercial Industrial Lighting
- LED Lighting

UL[®]**us** **FC** **CB** **PSE** **IP66** RoHS REACH

Features

Available in Constant Current
Compatible with Triac (LE) and ELV (TE) dimmer Control
Protection : OCP, SCP, OVP- Auto Recovery ; OTP (limit-CC)
Suitable for Dry, Damp Locations, IP66 ; Convection Cooled in plastic housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL8750 Class 2, cUL (Type HL), FCC B, CB, PSE

Specifications

AC Input Range : 100~120Vac 0.25A, 50/60Hz	PF > 0.92, THD < 20% : Input 100~120Vac, Load > 70%, w/o dimming
Input Inrush Current : < 10A / 115Vac	Efficiency : 28V/81%, 42V/83% at 115Vac full load
Surge Immunity (IEC61000-4-5) : 2.5KV	Load Regulation : ±5%
Turn on delay time : < 1.5 Sec.	DC Output Ripple/Noise p-p : 10%
Operation Temp. : -40°C ~ +50°C, Tc : 80°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Current Mode (CC)		Max. Watts (UL Safety)	Compatible Dimmer Listing
	Fixed Output Current Range	Output Voltage Range		
LT1016-128-Cnnnn	500 ~ 1000mA	14 ~ 28V	16.8W (cUL- class 2)	LUTRON-DVF-103P, DV-600PR-WH, SELV-300P, S600PR-WH, TT-150NLH-JA
LT1016-142-Cnnnn	350 ~ 700mA	18 ~ 42V	16.8W (cUL- class 2)	LEVITON-IPI06-10, IPI10, 6633-P, 6631.
				Panasonic-WT57615WK, WN575259

Note 1 : We can provide any fixed output current between 350 ~ 1000mA to meet customers' requirements.

Note 2 : Min.Output loading : ≥8 watts (When AC dimming)

Note 3 : Dimming range : 10 ~100% at full load

Note 4 : The output current will be reduced from 5% to 20% while connecting to dimmer. Please refer to compatible dimmer listing.

Note 5 : The 5% to 20% current remedy ; we can adjust it during the production based on customer providing data .

Model Information

LT1016 - YXX-Cnnnn

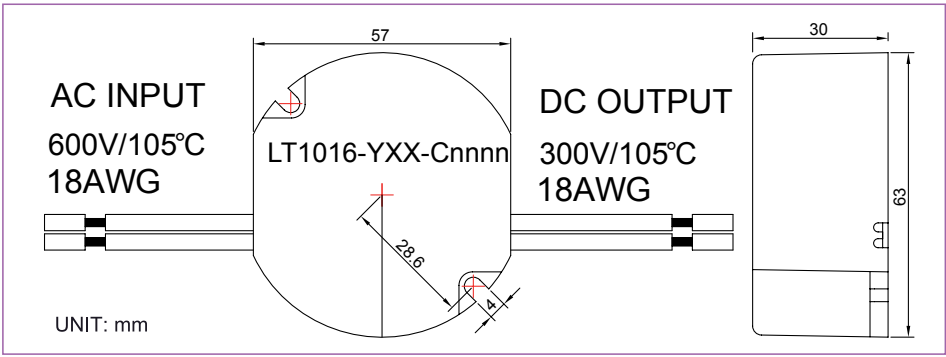
LT1016 = LT1016 series for Triac AC Dimming (leading edge and trailing edge ELV), Single DC Output, 16.8 Watts Max.

Y = 1-115Vac, AC Input, XX = 28, 42, (Max. forward voltage [Vdc])

Cnnnn = Constant Current Limit, Constant Current Output, C1000 = 1000mA,... , C0350 = 350mA.

Mechanical Drawing

Case Dimension : 63(R), 30(H)mm
Weight : 120g typical



■ AC to DC LED Power Supply 16.8 Watts



- Applications**
- HB-LED
 - LED Architectural Lighting
 - LED Commercial Industrial Lighting
 - LED Lighting

Features

Available in Constant Current
Compatible with Triac (LE) and ELV (TE) dimmer Control
Protection : OCP, SCP, OVP- Auto Recovery ; OTP (limit-CC)
Suitable for Dry, Damp Locations, IP66
Convection Cooled in plastic housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL8750 Class 2, cUL (Type HL), FCC B, CB,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 220~240Vac 0.12A, 50/60Hz	PF > 0.92, THD < 20% : Input 220~240Vac at full load, w/o dimming
Input Inrush Current : < 10A / 230Vac	Efficiency : 28V/84%, 42V/84% at 230Vac full load
Surge Immunity (IEC61000-4-5) : 2.5KV	Load Regulation : ± 5%
Turn on delay time : < 1.5 Sec.	DC Output Ripple/Noise p-p : 10%
Operation Temp. : -40°C ~ +50°C, Tc : 80°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Current Range	Output Voltage Range	
LT1016-228-Cnnnn	500 ~ 1000mA	14 ~ 28V	16.8W (cUL- class 2)
LT1016-242-Cnnnn	350 ~ 700mA	18 ~ 42V	16.8W (cUL- class 2)

Compatible Dimmer Listing

LUTRON-BRP02, SF-12P-277, RNSU-452, LNSI-502
IPAS-AU-DSP-500/300RL
E&A-K131

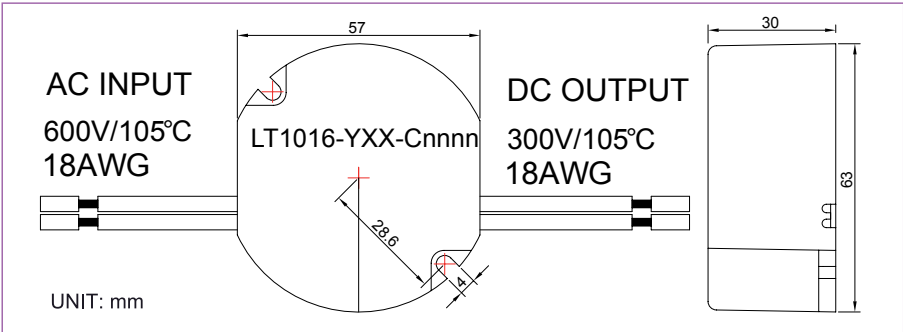
Note 1 : We can provide any fixed output current between 350 ~ 1000mA to meet customers' requirements.
Note 2 : Min.Output loading : ≥8 watts (When AC dimming)
Note 3 : Dimming range : 10 ~100% at full load
Note 4 : The output current will be reduced from 5% to 20% while connecting to dimmer. Please refer to compatible dimmer listing.
Note 5 : The 5% to 20% current remedy ; we can adjust it during the production based on customer providing data .

Model Information

LT1016 - YXX-Cnnnn
LT1016 = LT1016 series for Triac AC Dimming (leading edge and trailing edge ELV), Single DC Output, 16.8 Watts Max.
Y = 2-230Vac, AC Input, XX = 28, 42, (Max. forward voltage[Vdc])
Cnnnn = Constant Current Limit, Constant Current Output, C1000 = 1000mA,... , C0350 = 350mA.

Mechanical Drawing

Case Dimension : 63(R), 30(H)mm
Weight : 120g typical



■ AC to DC LED Power Supply 18~26 Watts



- Applications**
- HB-LED
 - LED Architectural Lighting
 - LED Commercial Industrial Lighting
 - LED Lighting

Features

Available in Constant Current
Compatible with Triac (LE) and ELV (TE) dimmer Control
Protection : OCP, SCP, OVP- Auto Recovery ; OTP (limit-CC)
Suitable for Dry, Damp Locations, IP66
Convection Cooled in plastic housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL8750 Class 2, cUL (Type HL), FCC B, PSE

Specifications

AC Input Range : 100~120Vac 0.4A, 50~60Hz	PF > 0.92, THD < 20% : Input 100~120Vac, Load > 70%, w/o dimming
Input Inrush Current : < 10A / 115Vac	Efficiency : 28V/82%, 42V/84%, 52V/84% at 115Vac full load
Surge Immunity (IEC61000-4-5) : 2.5KV	Load Regulation : ± 5%
Turn on delay time : < 1.5 Sec.	DC Output Ripple/Noise p-p : 10%
Operation Temp. : -40°C ~ +50°C, Tc : 80°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Current Range	Output Voltage Range	
LT1026-128-Cnnnn	800 ~ 1400mA	16 ~ 28V	26W (cUL- class 2)
LT1026-142-Cnnnn	450 ~ 900mA	24 ~ 42V	26W (cUL- class 2)
LT1026-152-Cnnnn	350 ~ 600mA	38 ~ 52V	26W (cUL- class 2)

Compatible Dimmer Listing

LUTRON-DVF-103P, SELV-300P, TT-150NLH-JA, CTCL-153PDH-WH, TG600PRWH, S600PR-WH
LEVITON-IPI06-10, IPI10, 6633-P, 6631, VPI06
Panasonic-NQ20345, WT57615WK, WN575259

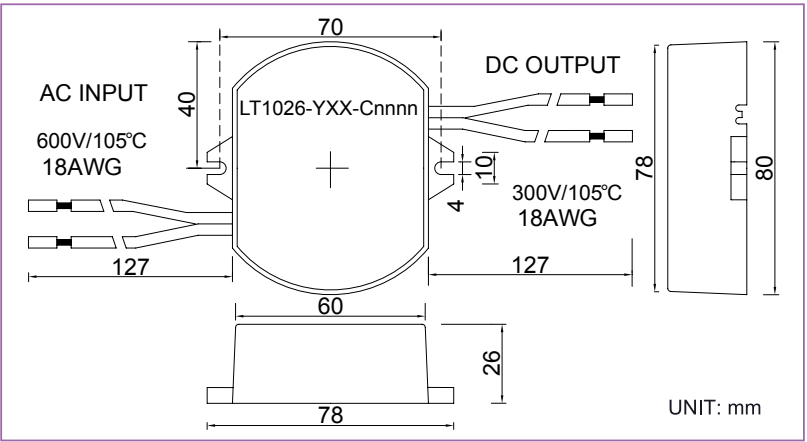
Note 1 : We can provide any fixed output current between 350 ~ 1400mA to meet customers' requirements.
Note 2 : Min.Output loading : ≥15 watts (When AC dimming)
Note 3 : Dimming range : 10 ~100% at full load, under 10% no promise
Note 4 : The output current will be reduced from 5% to 20% while connecting to dimmer. Please refer to compatible dimmer listing.
Note 5 : The 5% to 20% current remedy ; We can adjust it during the production based on customer providing data .

Model Information

LT1026 - YXX-Cnnnn
LT1026 = LT1026 series for Triac AC Dimming (leading edge and trailing edge ELV), Single DC Output, 26 Watts Max.
Y = 1-115Vac, AC Input, XX = 28, 42, 52 (Max. forward voltage[Vdc])
Cnnnn = Constant Current Limit, Constant Current Output, C1400 = 1400mA,... , C0350 = 350mA.

Mechanical Drawing

Case Dimension : 80(R), 26(H)mm
Weight : 200g typical



■ AC to DC LED Power Supply 26 Watts



- Applications**
- HB-LED
 - LED Architectural Lighting
 - LED Commercial Industrial Lighting
 - LED Lighting

Features

Available in Constant Current
Compatible with Triac (LE) and ELV (TE) dimmer Control
Protection : OCP, SCP, OVP- Auto Recovery ; OTP (limit-CC)
Suitable for Dry, Damp Locations, IP66 ; Convection Cooled in plastic housing
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

UL8750 Class 2, cUL (Type HL), FCC B, CB,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 220~240Vac 0.18A, 47/63Hz	PF > 0.92, THD < 20% : Input 220~240Vac at full load, w/o dimming
Input Inrush Current : < 10A / 230Vac	Efficiency : 28V/85%, 42V/85%, 52V/85% at 230Vac full load
Surge Immunity (IEC61000-4-5) : 2.5KV	Load Regulation : ± 5%
Turn on delay time : < 1.5 Sec.	DC Output Ripple/Noise p-p : 10%
Operation Temp. : -40°C ~ +50°C, Tc : 80°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Current Range	Output Voltage Range	
LT1026-228-Cnnnn	800 ~ 1400mA	16 ~ 28V	26W (cUL- class 2)
LT1026-242-Cnnnn	450 ~ 900mA	24 ~ 42V	26W (cUL- class 2)
LT1026-252-Cnnnn	350 ~ 600mA	38 ~ 52V	26W (cUL- class 2)

Compatible Dimmer Listing

LUTRON-BRP02, SF-12P-277, RNSU-452(84%), LNSI-502
IPAS-AU-DSP-500/300RL
E&A-K131

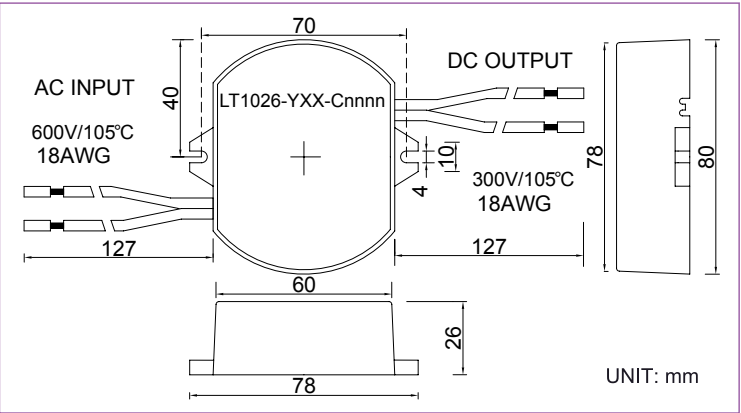
Note 1 : We can provide any fixed output current between 350 ~ 1400mA to meet customers' requirements.
Note 2 : Min.Output loading : ≥15 watts (When AC dimming)
Note 3 : Dimming range : 10 ~100% at full load, under 10% no promise
Note 4 : The output current will be reduced from 5% to 20% while connecting to dimmer. Please refer to compatible dimmer listing.
Note 5 : The 5% to 20% current remedy ; We can adjust it during the production based on customer providing data.

Model Information

LT1026 - YXX-Cnnnn
LT1026 = LT1026 series for Triac AC Dimming (leading edge and trailing edge ELV). Single DC Output, 26 Watts Max.
Y = 2-220Vac, AC Input,
XX = 28, 42, 52 (Max. forward voltage [Vdc])
Cnnnn = Constant Current Limit, Constant Current Output, C1400 = 1400mA,... , C0350 = 350mA.

Mechanical Drawing

Case Dimension : 80(R), 26(H)mm
Weight : 200g typical



■ AC to DC LED Power Supply 8.4~9.6 Watts



- Applications**
- LED Bulb with E27 Connector
 - LED Architectural Lighting
 - LED Lighting

Features

Available in Constant Current
Protection : OCP, SCP, OVP, OTP (CC) - Auto Recovery
Suitable for Dry Location
Convection Cooled in plastic housing
Three Years Warranty (Life @ Tc : 90°C 20,000 Hours) -R48

Specifications

AC Input Range : 100 ~ 240Vac / 0.2 ~ 0.1A / 47 ~ 63Hz	Efficiency : 12V / 78% , 24V / 80% at 115Vac full load
Input Inrush Current : < 10A / 115Vac, < 20A / 230Vac	Load Regulation : 12V / ±5% , 24V / ±10%
Surge Immunity (IEC61000-4-5) : 1 KV	MTBF(@50°C) : > 50,000 Hours , MIL-217F
Turn on delay time : < 0.5 Sec. at 110Vac	Operation Temp. : -40 ~ +50°C, Tc : 90°C; Storage Temp. : -40 ~ +85°C

Model List

Model	Constant Current Mode (CC)		Max. Watts
	Fixed Output Current Range	Output Voltage Range	
B06E27-12-Cnnnn	350 ~ 800mA	8~ 12V	9.6W
B06R48-12-Cnnnn	350 ~ 800mA	8~ 12V	9.6W
B06E27-24-Cnnnn	200 ~ 350mA	15 ~ 24V	8.4W
B06R48-24-Cnnnn	200 ~ 350mA	15 ~ 24V	8.4W

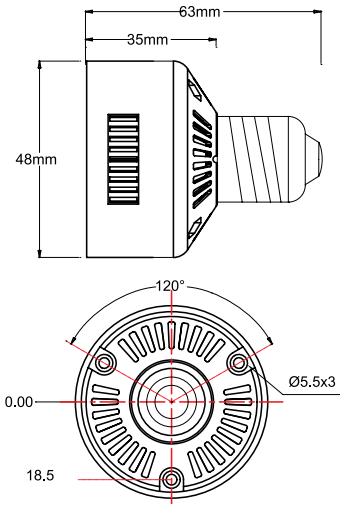
Note 1: We can provide any fixed output current between 200 ~ 800mA to meet customers' requirements.

Model Information

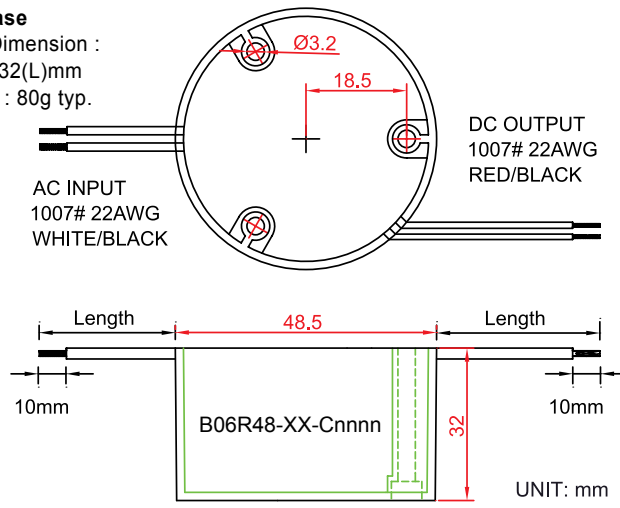
B06EEE-XX-Cnnnn
B06 = B06 Series, EEE = E27 or R48 Type, Single DC Output, 8.4~9.6 Watts Max.
XX = Voltage Output , 12 = 12V, 24 = 24V
Cnnnn = Constant Current Output , C0800 = 800mA,... , C0350 = 350mA.

Mechanical Drawing

E27 Connector
Case Dimension : 48(R), 68(L)mm
Weight : 60g typ.



R48 Case
Case Dimension : 48(R), 32(L)mm
Weight : 80g typ.



■ AC to DC LED Power Supply 8~18 Watts



Applications

- LED Bulb with E27 Connector
- LED Architectural Lighting
- LED Lighting

Features

cUL[®]us [®]UL [®]FC [®]CE CB [®]IP66 RoHS REACH

Available in Constant Current
AC Step Dimming Control
Protection : OCP, SCP- Auto Recovery ; OTP (limit-CC)
Suitable for Dry, Damp Locations, IP66 ; Convection Cooled in plastic housing
Three Years Warranty (Life @ Tc : 90°C 20,000 Hours) - R58

Certifications

UL1310, UL8750 Class 2, cUL (Type HL), FCC B, CB,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 115Vac or 230Vac / 0.3~0.15A / 47~63Hz	PF > 0.92, THD < 20% : Input 115Vac, Load > 35%, w/o dimming
Input Inrush Current : < 10A / 115Vac, < 20A / 230Vac	PF > 0.90, THD < 20% : Input 230Vac, Load > 45%, w/o dimming
Surge Immunity (IEC61000-4-5) : 0.5 KV	Efficiency : 12V/82%, 16V/83%, 24V,28V,52V/85% at 115Vac full load
Turn on delay time : < 1.5 Sec.	Load Regulation : ±5%, DC Output Ripple/Noise p-p : ±10%
Operation Temp. : -30°C ~ +50°C, Tc : 90°C(R58); Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Current Mode (CC)		Max. Watts	Model	Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Current Range	Output Voltage Range			Fixed Output Current Range	Output Voltage Range	
B12E27-112	700 ~ 1300mA	8 ~ 12V	15.6W	B12R58-112	700 ~ 1300mA	8 ~ 12V	15.6W (cUL-class2)
B12E27-212	700 ~ 1300mA	8 ~ 12V	15.6W	B12R58-212	700 ~ 1300mA	8 ~ 12V	15.6W
B12E27-116	500 ~ 1000mA	9 ~ 16V	16W	B12R58-116	500 ~ 1000mA	9 ~ 16V	16W (cUL-class2)
B12E27-124	350 ~ 700mA	13 ~24V	16.8W	B12R58-124	350 ~ 700mA	13 ~24V	16.8W (cUL-class2)
B12E27-224	350 ~ 700mA	13 ~24V	16.8W	B12R58-224	350 ~ 700mA	13 ~24V	16.8W
E12E27-128	350 ~ 480mA	13 ~ 28V	14W	E12R58-128	350 ~ 480mA	13 ~ 28V	14W (cUL-class2)
B12E27-228	350 ~ 480mA	13 ~ 28V	14W	B12R58-228	350 ~ 480mA	13 ~ 28V	14W
B12E27-152	200 ~ 350mA	26 ~ 52V	18W	B12R58-152	200 ~ 350mA	26 ~ 52V	18W (UL-class2)
B12E27-252	200 ~ 350mA	26 ~ 52V	18W	B12R58-252	200 ~ 350mA	26 ~ 52V	18W

Note 1: We provide any fixed output current between 200 ~ 1300mA to meet customers' requirements.
Note 2 : 1752- ON / OFF AC Step Dimming function is not for Model B12EEE-Y52-Cnnnn

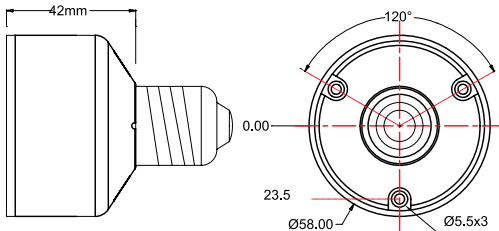
Model Information

B12EEE- YXX-Cnnnn-DDDD
B12 = B12 Series, EEE = E27 or R58 Type, 14~18 Watts Max.
Y = 1 (115Vac), 2 (230Vac)
XX = Voltage Output, 12 = 12V,... , 52 = 52V (Forward Voltage)

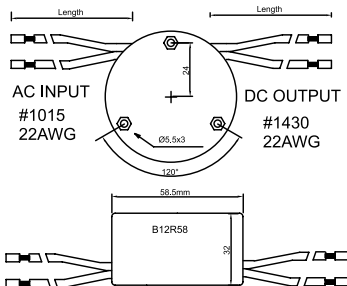
Cnnnn = Constant Current Output, C1300 = 1300mA,... , C0350 = 350mA.
DDDD = (Optional or blank) For ON / OFF Step Dimming.
1752 = ON / OFF AC Step Dimming (Note 2)
(on/off switch timing 1.5 Sec.)

Mechanical Drawing

EEE : E27 Connector
Case Dimension :
58(R), 68(L)mm
Weight : 100g typ.



EEE : R58 Case
Case Dimension :
58(R), 32(L)mm
Weight : 150g typ.



■ AC to DC LED Power Supply 8.4 Watts



Applications

- LED Signage
- LED Commercial Industrial Lighting
- LED Lighting

Features

Available in Constant Current or Constant Voltage
Protection : OPP, SCP - Auto Recovery
Suitable for Dry Location
Convection Cooled in plastic housing
Three Years Warranty (Life @ Tc : 70°C 20,000 Hours)

Specifications

Input Range : 10.5 ~ 30 VDC / 1A	Efficiency : 75% at full load
Operation Temp. : -30°C ~ +50°C , Tc : 70°C	Load Regulation : ±5%
Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

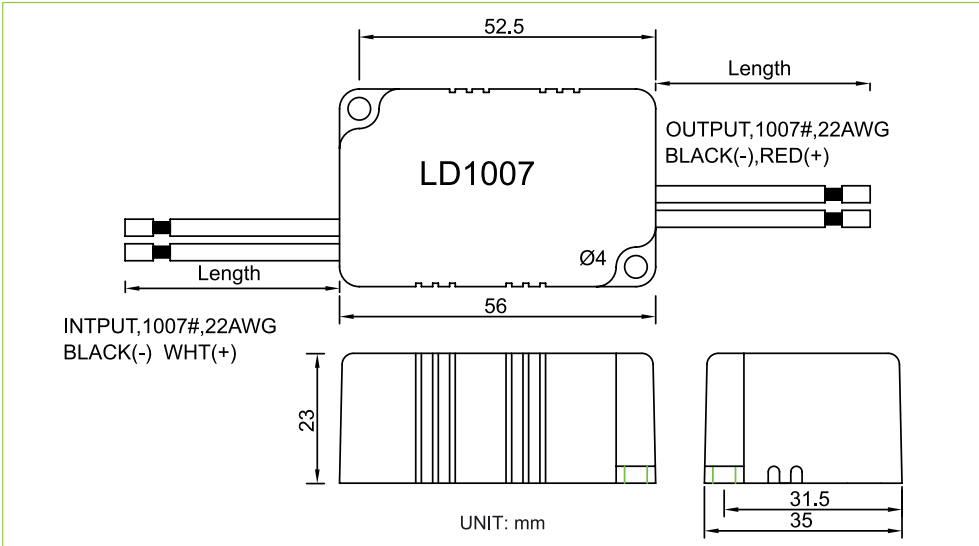
Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts
	Fixed Output Voltage	Output Current Range	Fixed Output Current	Output Voltage Range	
LD1007-12	12V	70 ~ 700mA	700mA	2 ~ 12V	8.4W
LD1007-24	24V	35 ~ 350mA	350mA	2 ~ 24V	8.4W

Model Information

LD1007-XX-Cnnnn
1007 = Single DC Output, 8.4 Watts Max. **XX** = Voltage Output, 12 = 12V, 24V = 24V.
Cnnnn = (Optional or blank) Constant Current Output, C0700 = 700mA, C0350 = 350mA.

Mechanical Drawing

Case Dimension : 56(L), 35(W), 23(H)mm
Weight : 65g typical



■ DC to DC LED Power Supply 25 Watts



Applications

- Solar Energy System
- LED Signage
- LED Commercial Industrial Lighting
- LED Lighting

RoHS REACH

Features

Available in Constant Current or Constant Voltage
Protection : OPP, SCP - Auto Recovery
Suitable for Dry Location
Convection Cooled in plastic housing
Three Years Warranty (Life @ Tc : 70°C 20,000 Hours)

Specifications

Input Range : 10 ~ 30 VDC / 3.5A	Efficiency : 83% at full load
Operation Temp. : -30°C ~ +50°C , Tc : 70°C	Load Regulation : ±5%
Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts
	Fixed Output Voltage	Output Current Range	Fixed Output Current	Output Voltage Range	
LD1026-12	12V	210 ~ 2100mA	1050 ~ 2100mA	2 ~ 12V	25W
LD1026-18	18V	140 ~ 1400mA	700 ~ 1400mA	2 ~ 18V	25W
LD1026-24	24V	105 ~ 1050mA	550 ~ 1050mA	2 ~ 24V	25W
LD1026-36	36V	70 ~ 700mA	350 ~ 700mA	2 ~ 36V	25W
LD1026-72	N/A		200 ~ 350mA	30~ 72V	25W

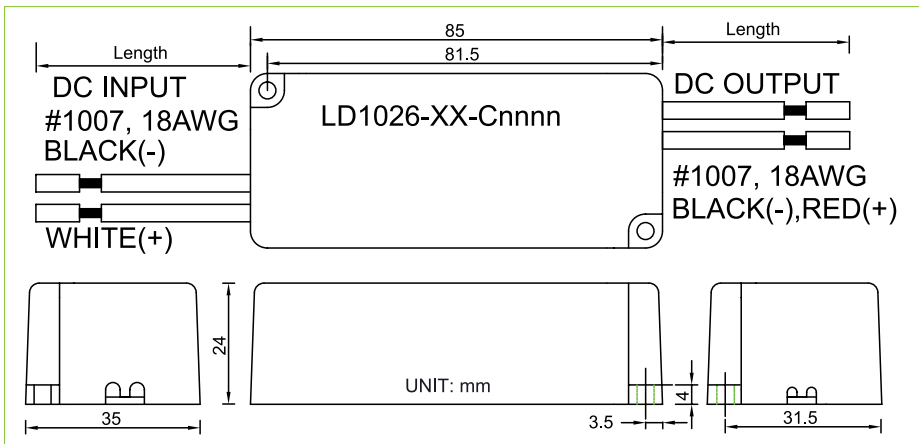
Note 1: We can provide any fixed output current between 200 ~ 2100mA to meet customers' requirements.

Model Information

LD1026-XX-Cnnnn
1026 = Single DC Output, 25 Watts Max. **XX** = Voltage Output, 12 = 12V,... , 72 = 72V.
Cnnnn = (Optional or blank) Constant Current Output, C2100 = 2100mA,... , C0350 = 350mA.

Mechanical Drawing

Case Dimension : 85(L), 35(W), 24(H)mm
Weight : 120g typical



■ Dimming Controller (Zigbee)



Applications

- LED indoor lighting
- LED decorative lighting
- LED string lighting / Channel letter

cus FC CE RoHS REACH
Pending

Features

Convert Zigbee signal to 0 ~ 10V signal
Built-in Triac for AC on/off control
Protection: OCP, SCP, OTP (95°C) - Shut down
Convection Cooled in plastic housing
Suitable for Dry location
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

Certifications

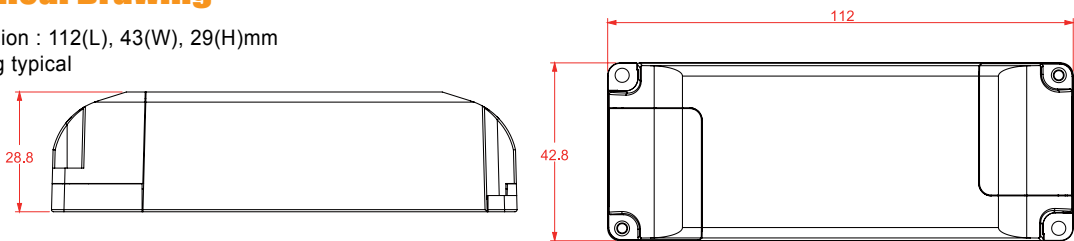
UL8750 Class 2, cUL, FCC B,
CE (EN55015, EN61547, EN61347-2-13,
EN61000-3-2 class C)

Specifications

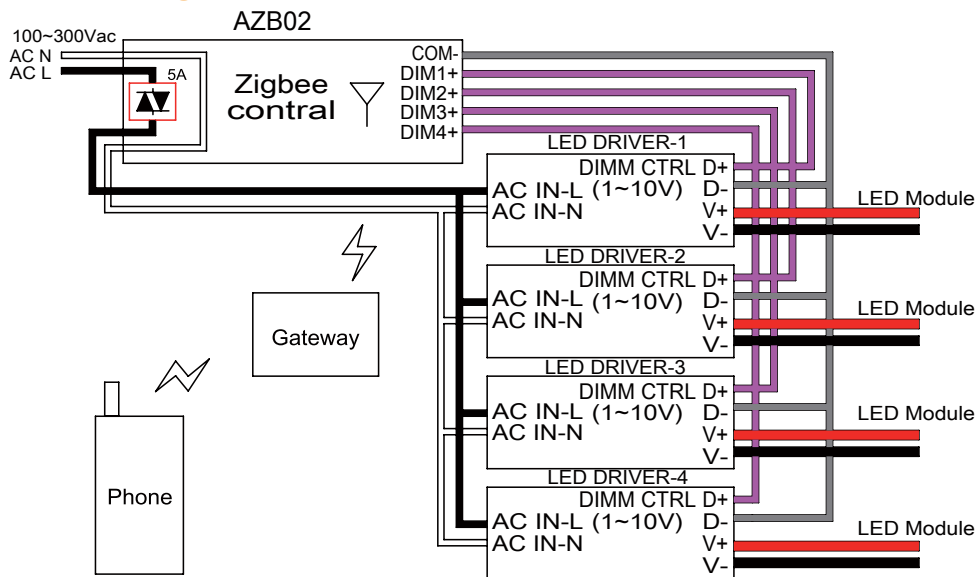
AC Input Range : 100 ~ 300Vac , 0.1A / 47~63Hz	DC Output Signal : 0 ~ 10Vdc (with 4 Channel - Optional)
Input Inrush Current : < 5A / 115Vac, < 10A / 230Vac at cold start	Dimming range : 1 ~100%
Leakage Current : < 0.5mA , Surge Immunity : 1KV	Dimming Channel connects to PSU : 10 units Max.
No load power consumption < 0.5W at 230VAC	Operation Temp. : -25°C ~ +40°C, Tc : 80°C
AC Triac Switch Current : 5A Max. ; Turn on delay time : < 2 Sec.	Storage Temp. : -40°C ~ +85°C
AC Max load power : 110Vac --> 500W, 230Vac --> 1000W	MTBF(@40°C) : > 50,000 Hours, MIL-217F

Mechanical Drawing

Case Dimension : 112(L), 43(W), 29(H)mm
Weight : 120g typical



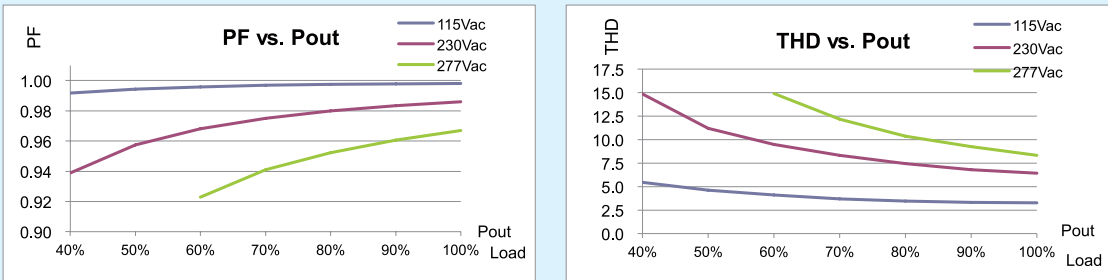
Application Drawing



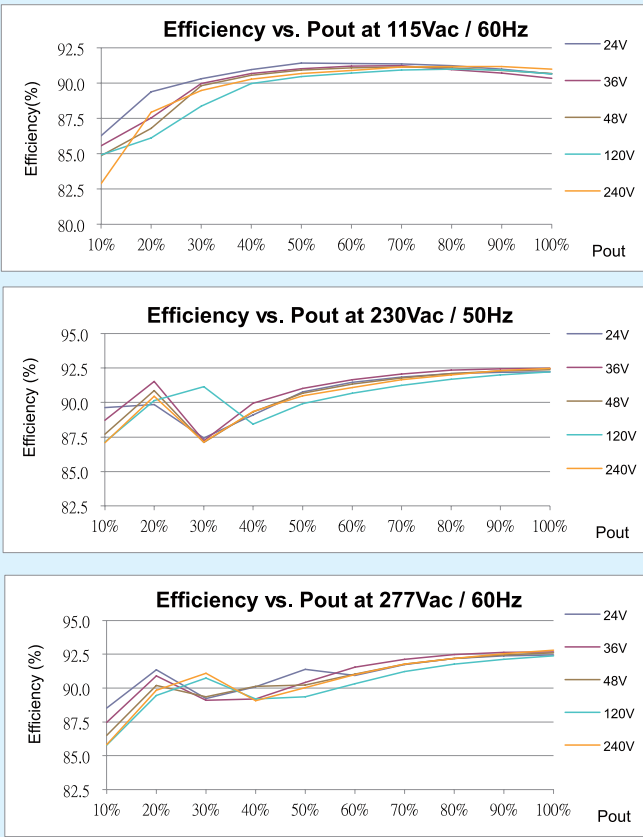
Model : LF1153

Power Factor & THD

- 1. PF > 0.92, THD < 20% : at 115Vac / 60Hz (or 230Vac / 50Hz), Load > 40%.
- 2. PF > 0.91, THD < 20% : at 277Vac / 60Hz, Load > 60%.

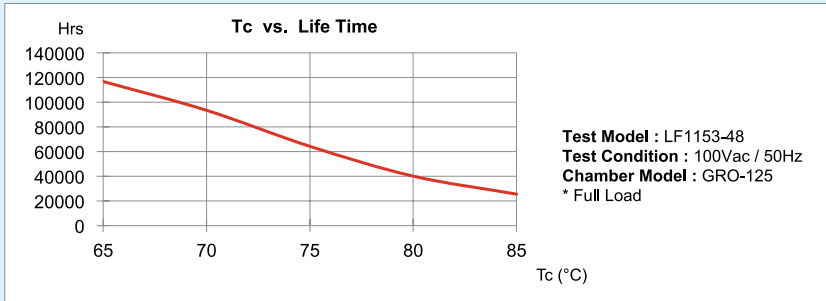


Efficiency



- 1: The corresponding figure variable of Pout % is based on the output loading (the maximum load is full load, 150 Watts) of per LED driver series product.
- 2: The above output figure is accordance with per standard model output voltage, example : model# LF1153-24, the output is 24Vdc.

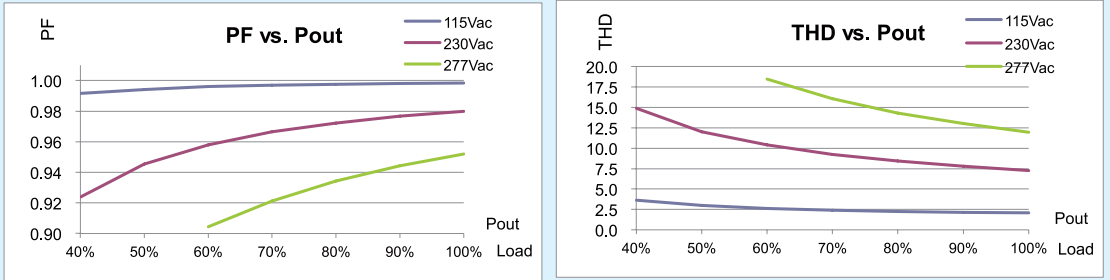
Lifetime



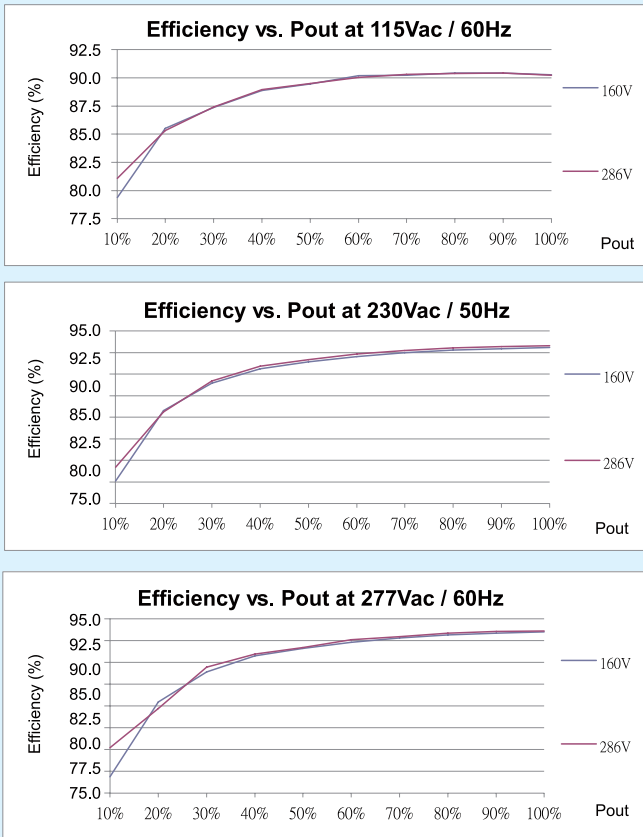
Model : LF2200

Power Factor & THD

- 1. PF > 0.92, THD < 20% : at 115Vac / 60Hz (or 230Vac / 50Hz), Load > 50%.
- 2. PF > 0.92, THD < 20% : at 277Vac / 60Hz, Load > 70%.

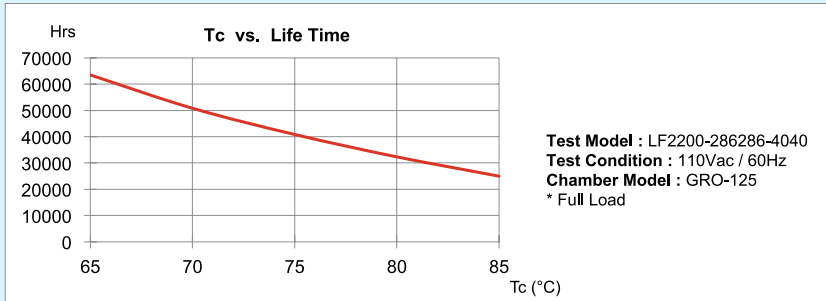


Efficiency



- 1: The corresponding figure variable of Pout % is based on the output loading (the maximum load is full load, 200 Watts) of per LED driver series product.
- 2: The above output figure is accordance with per standard model output voltage, example : model# LF2200-160160, the output is 160Vdc.

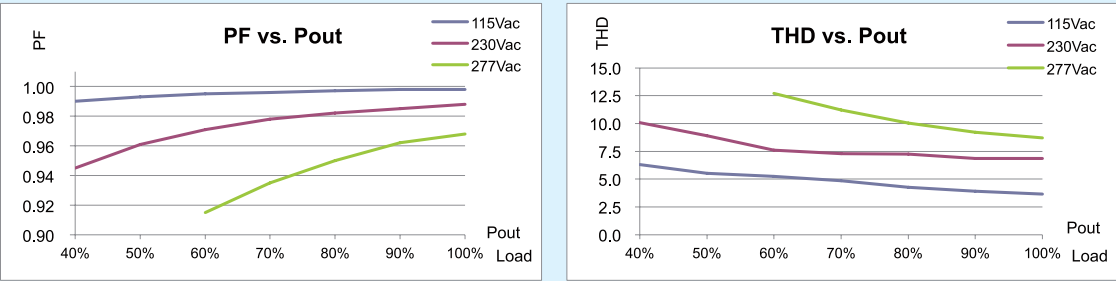
Lifetime



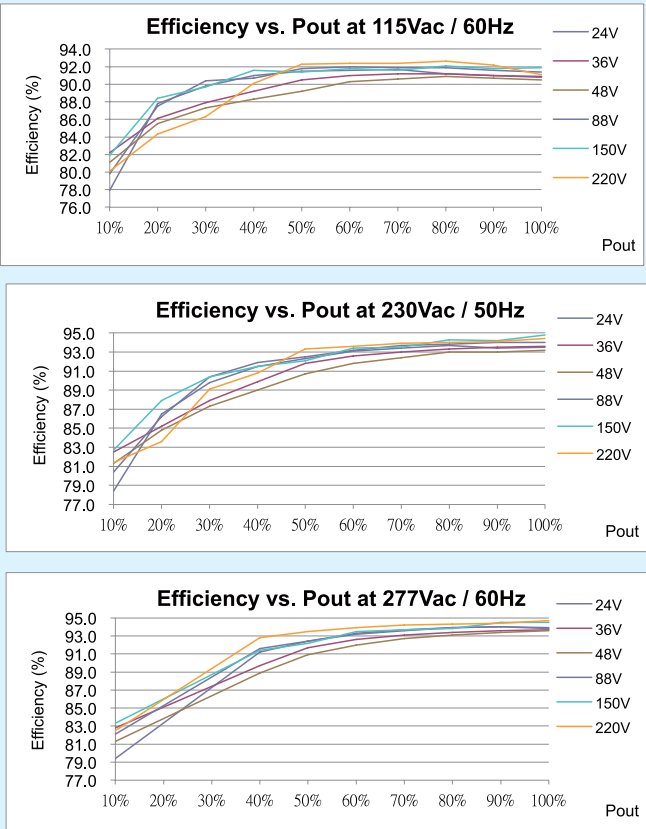
Model : LF1240

Power Factor & THD

- 1. PF > 0.92, THD < 20% : at 115Vac / 60Hz (or 230Vac / 50Hz), Load > 40%.
- 2. PF > 0.90, THD < 20% : at 277Vac / 60Hz, Load > 60%.

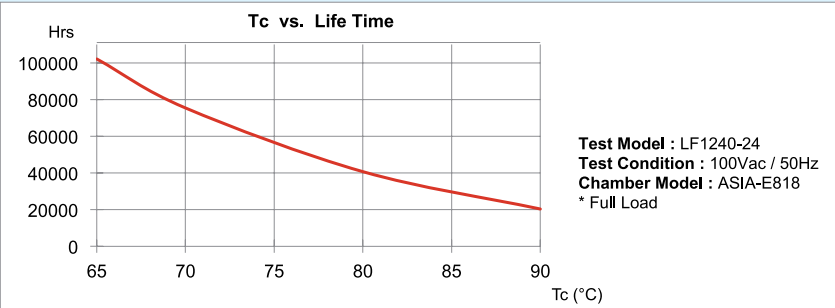


Efficiency



- 1: The corresponding figure variable of Pout % is based on the output loading (the maximum load is full load, 240 Watts) of per LED driver series product.
- 2: The above output figure is accordance with per standard model output voltage, example : model# LF1240-24, the output is 24Vdc.

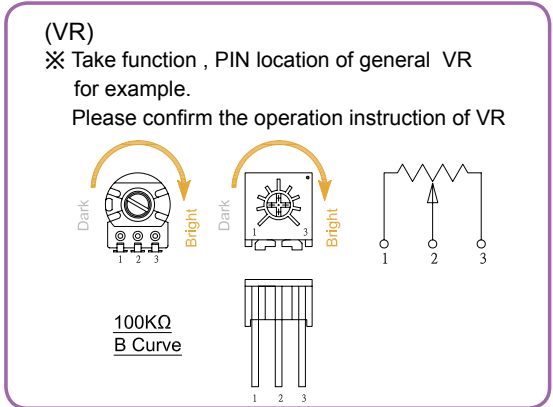
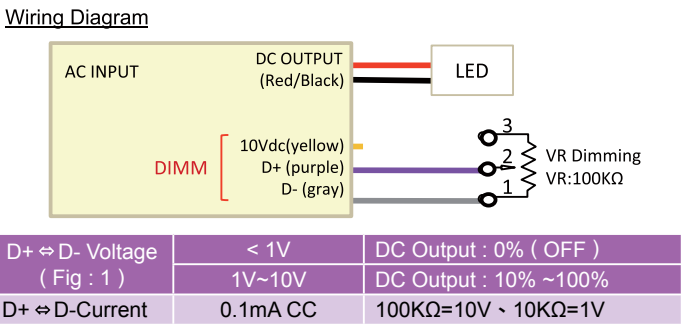
Lifetime



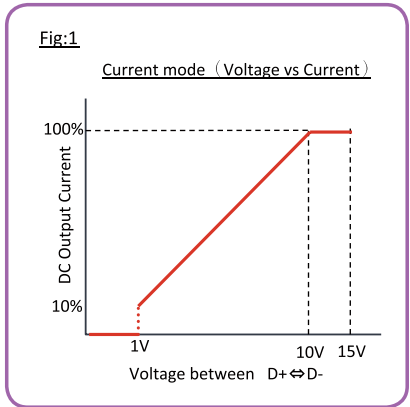
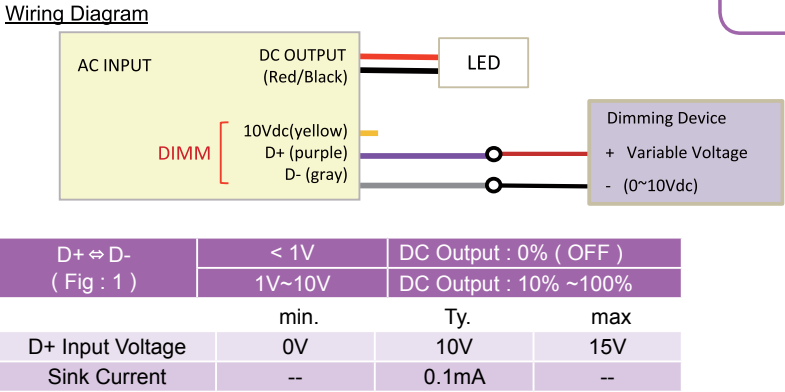
Dimming Instruction-A

For Model : LP1036 (40W), LP1056 (60W), LP1057 (60W), LP1096 (96W), LP1097 (96W), LP1075 (75W), LF1153 (150W), LF1156 (150W), LF1240 (240W), PCBA150 (150W)
p.s. As for the detail specifications, please refer to the data sheet of the series.

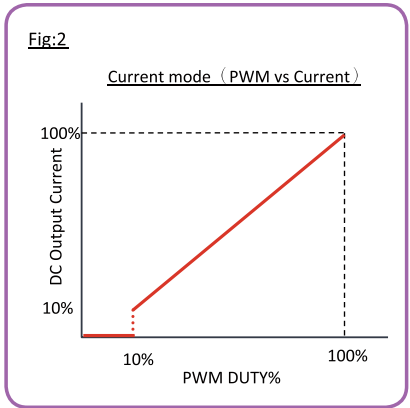
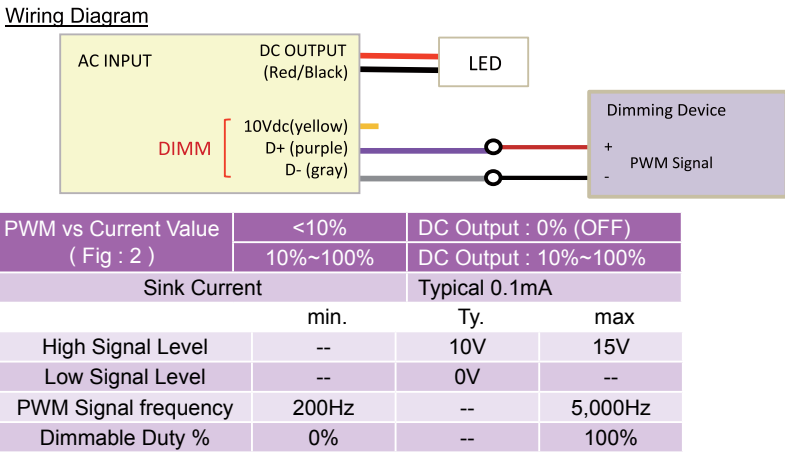
① VR Dimming Mode ✕ Turn right (clockwise) Wiring / VR (Variable Resistor) Dimming



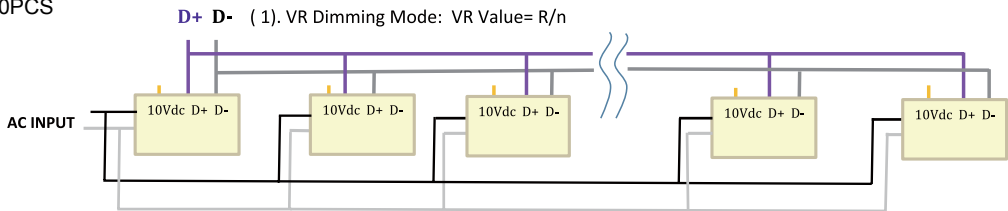
② DC 0-10V Dimming Mode :



③ PWM Dimming Mode



- Note:
- 10Vdc Voltage (Vaux) -- 12V (max. 20mA), Power Supply for IR or PIR, etc.
 - DC 10V yellow wire only for model: LP1036/ LP1056/ LP1096/ LF1075
 - Multiple Models by Dimming Control
 - Max. 20PCS

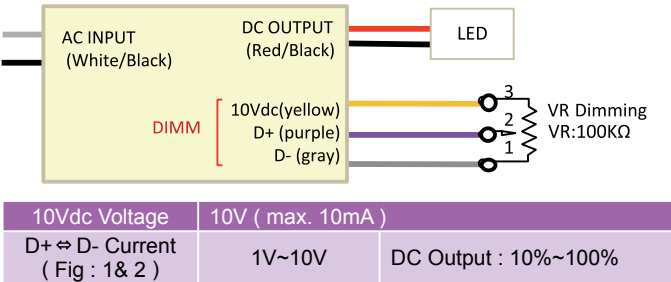


Dimming Instruction-B

For Model : LF1048 (53W- AC TO DC), CC3512 (DC TO DC)
p.s. As for the detail specifications, please refer to the data sheet of the series.

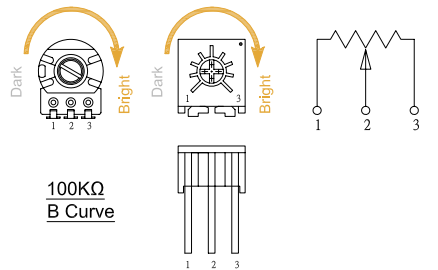
① VR Dimming Mode ※ Turn right (clockwise) Wiring

Wiring Diagram



(VR)

※ Take function , PIN location of general VR for example.
Please confirm the operation instruction of VR



② DC 1-10V Dimming Mode :

Wiring Diagram

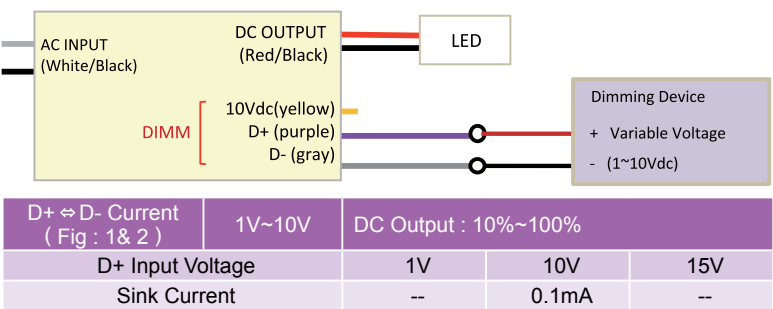


Fig:1

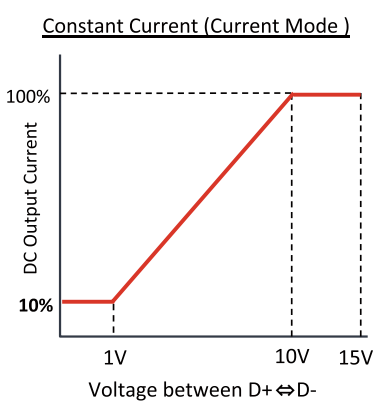


Fig: 1, Dimming Output Curve of Current mode

Fig:2 (LF1048 model only)

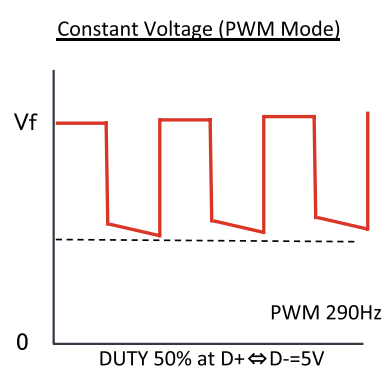
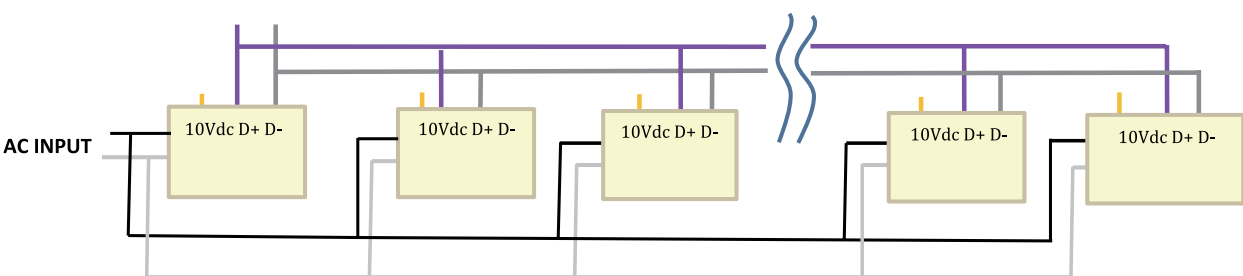


Fig: 2, Dimming waveform of Voltage mode

- Multiple Models by Dimming Control
- Max. 20PCS

D+ D- (1). VR Dimming Mode, (2). 1-10V Dimming Mode

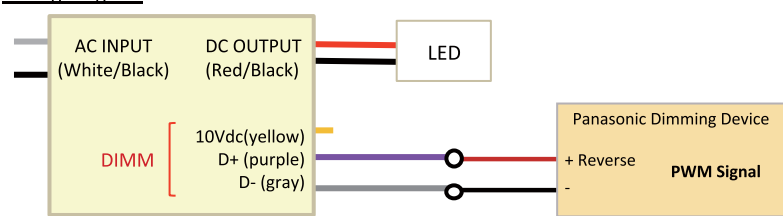


Dimming Instruction-C

For Model : LF1048 (48W), LF1075 (75W) only Constant Current Model
p.s. As for the detail specifications, please refer to the data sheet of the series.

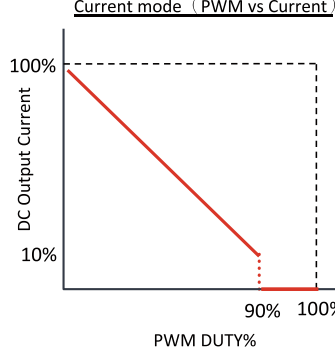
● PWM Dimming Mode -Reverse Dimming

Wiring Diagram

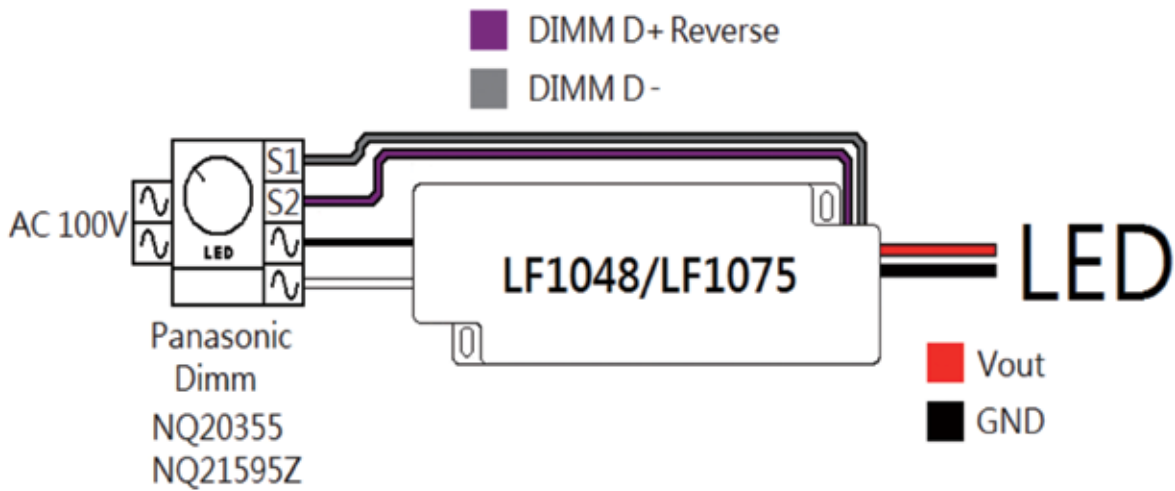


PWM vs Current Value (Fig : 1)	0% ~ 90%	DC Output : 100%~10%	
	> 90%	DC Output : 0%	
Sink Current		Typical 0.1mA	
	min.	Ty.	max
High Signal Level	--	10V	15V
Low Signal Level	--	0V	--
PWM Signal frequency	200Hz	--	5,000Hz
Dimmable Duty %	100%	--	0%

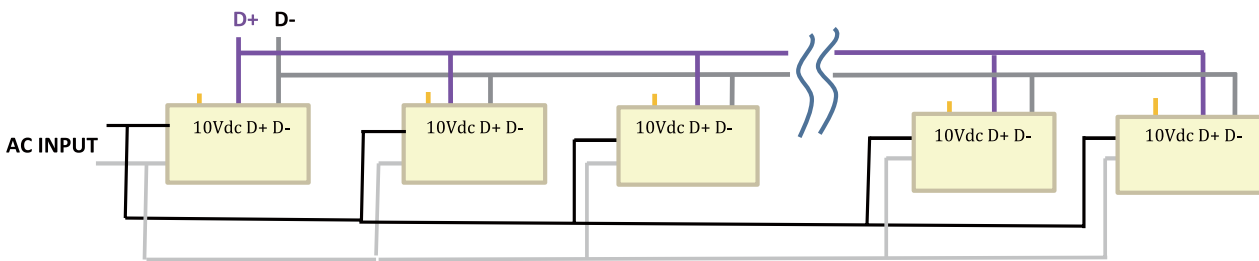
Fig:1



Wiring Diagram



- Multiple Models by Dimming Control
- Max. 20PCS



Dimming Instruction-D

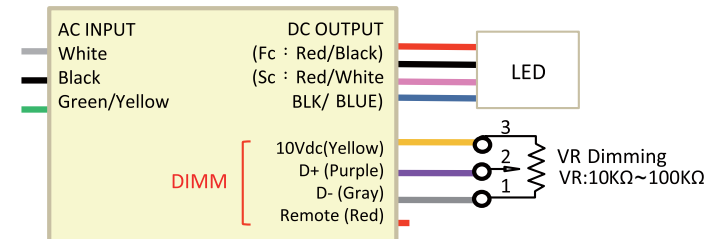
Dimming Instruction- D

For Model : LF2200 (200W)

p.s. As for the detail specifications, please refer to the data sheet of the series.

① VR Dimming Mode ※ Turn right (clockwise) Wiring / VR (Variable Resistor) Dimming

Wiring Diagram

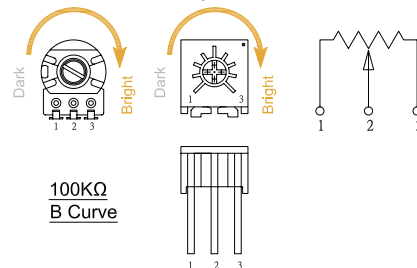


10Vdc Voltage	10V (max. 400mA)	
D+ ⇔ D- Voltage (Fig : 1)	1V~10V	DC Output: 10%~100%

(VR)

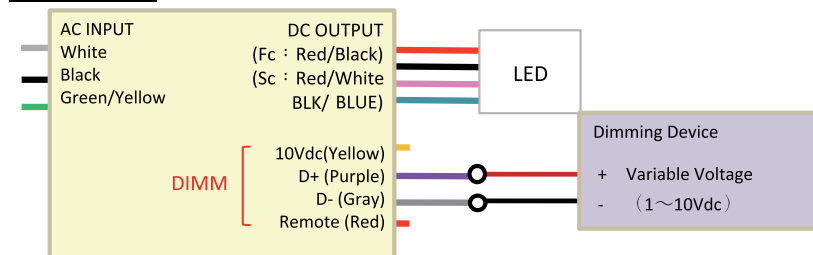
※ Take function , PIN location of general VR for example.

Please confirm the operation instruction of VR



② DC 1-10V Dimming Mode :

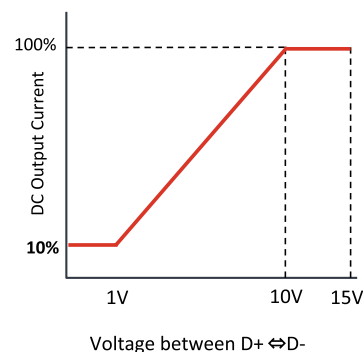
Wiring Diagram



10Vdc Voltage	10V (max. 400mA)	Power Supply for IR or PIR etc.	
D+ ⇔ D- (Fig : 1)	1V~10V	DC Output: 10%~100%	
	min.	Ty.	max
D+ Input Voltage	1V	10V	15V

Fig: 1

Current mode (Voltage vs Current)



③ Remote ON / OFF

Remote (Red) ⇔ D- (Gray)

Open	OFF
Short	ON

Please install a control switch between Remote on/off and D-



❑ Multiple Models by Dimming Control

- Max. 20PCS

D+ D- (1). VR Dimming Mode, (2). 1-10V Dimming Mode

