



High Perfection Tech.

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LED POWER SUPPLY

Professional Manufacturer

ZigBee Links LED Drivers

LED Driver Series



ZigBee Controller



ZigBee Remote Controller



www.highperfection.com.tw



REACH RoHS



IP66 IP67 Type HL/ TL

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■ AC to DC LED Power Supply 20~40 Watts



Applications

LED Architectural Lighting
LED Commercial Industrial Lighting
LED Lighting

cUL[®]us FCC CE IP66 RoHS REACH
Pending

Features

Available in Constant Current or Constant Voltage
Compatible with 1 ~10V Dimming Controller (CC); Dimming range : 5 ~100%
Lighting Output Flicker - Free
Surge Immunity (IEC 61000-4-5) : 6KV (N - L)
Protection : OCP, SCP, 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, TL), FCC B,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 0.5~0.2A / 50/60Hz	PF > 0.9, THD < 15% : Input 100~230Vac, Load > 50%
Input Inrush Current : < 10A / 115Vac , < 20A / 230Vac at cold start	PF > 0.9, THD < 15% : Input 277Vac, Load > 70%
Leakage Current : < 0.75mA / 230Vac , Surge Immunity : 6KV	Efficiency : 85%~87% at 230Vac full load
Turn on delay time : < 1 Sec. at 100Vac, < 0.5 Sec. at 230Vac	Load Regulation : ±5%, DC Output Ripple/Noise : < 10%(CV), < 1%(CC)
Operation Temp. : -40°C ~ +50°C , Tc : 90°C ; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 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	
HLF1040-28	20 ~ 28V	180mA ~ 1800mA	1200mA ~ 1800mA	14 ~ 28V	40W (cUL- class 2)
HLF1040-42	30 ~ 42V	120mA ~ 1200mA	850mA ~ 1200mA	21 ~ 42V	40W (cUL- class 2)
HLF1040-56	45 ~ 52V	85mA ~ 850mA	600mA ~ 850mA	28 ~ 56V	40W (cUL- class 2)

Note 1: We can provide any fixed output current or voltage between 600 ~ 1800mA or 20 ~ 52V to meet customers' requirements.

Model Information

HLF1040-XX-Cnnnn-DDDD

1040 = Single DC Output, 40 Watts Max. **XX** = Voltage Output, 28 = 28V, 42 = 42V, 56 = 56V

Cnnnn = (Optional or blank) Constant Current Output, C1800 = 1800mA, ..., C0600 = 600mA

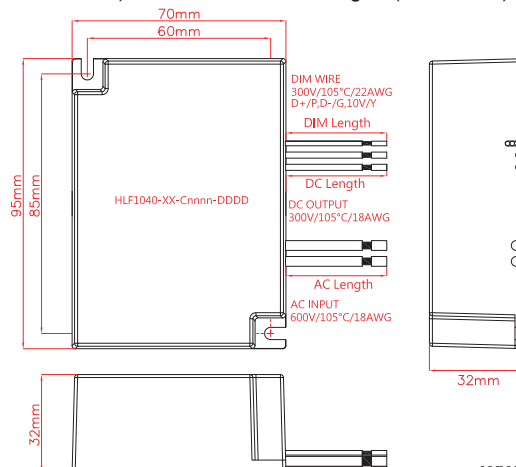
DDDD = (Optional or blank) for constant current dimming function. (Gray/D-, Purple/D+, Yellow/12Vdc/20mA)

010V = 1~10Vdc (5~100%), or **VR** = Resistor (10K~100KΩ, D+, D-), or **PWM** = 10V PWM Signal (200 ~ 5kHz)

Mechanical Drawing

Case Dimension : 95(L), 70(W), 32(H)mm

Weight : 355g typical



■ AC to DC LED Power Supply 12~ 20 Watts



Applications

LED Architectural Lighting
LED Commercial Industrial Lighting
LED Lighting

cUL[®]us FCC CE © IP66 RoHS REACH

Features

Available in Constant Current
Surge Immunity (IEC61000-4-5) : 4KV
Protection : SCP, OVP, OTP – 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, TL), FCC B
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 at cold start	PF > 0.90, THD < 20% : Input 277Vac, Load > 70%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 4KV	Efficiency : > 87% at 230Vac full load
Turn on delay time : < 1 Sec.	Load Regulation : ±5%,
Operation Temp. : -40°C ~ +50°C , Tc : 90°C	DC Output Ripple/Noise : < 10% (42V, 56V), <15% (28V)
Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 217F

Model List

Model	Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Current	Output Voltage Range (Vf)	
HLP1020-28-Cnnnn	700/750/800/850/900 mA	14 ~ 28V	20W (cUL- class 2)
HLP1020-42-Cnnnn	450/500/550/600 mA	21 ~ 42V	20W (cUL- class 2)
HLP1020-56-Cnnnn	300/350/400/450 mA	28 ~ 56V	20W (cUL- class 2)

Note:The Constant Current Mode can be set to meet user requirements.

Model Information

HLP1020-XX-Cnnnn

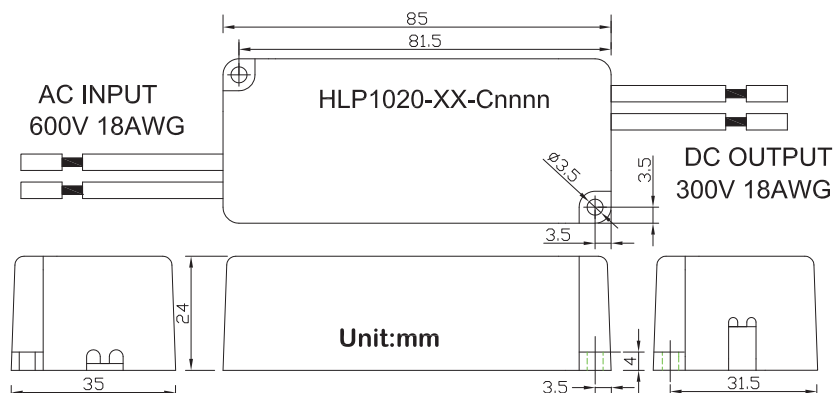
1020 = Single DC Output, 20 Watts Max. **XX** = 28, 42, 56 (Max. forward voltage[Vdc])

Cnnnn = Constant Current Output, C0900 = 900mA, ... , C0300= 300mA

Mechanical Drawing

Case Dimension : 85(L), 35(W), 24(H)mm

Weight : 120g typical



■ AC to DC LED Power Supply 18~ 30 Watts



Applications

LED Architectural Lighting
LED Commercial Industrial Lighting
LED Lighting

cUL[®]us FCC CE IP66 RoHS REACH

Features

Available in Constant Current
Compatible with 0 ~10V Dimming Controller
No load power consumption < 0.5W at 277Vac
Surge Immunity (IEC61000-4-5) : 6KV
Protection : SCP, OVP, OTP – 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 Class2, Class-P, cUL (Type HL, TL), FCC B,
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 at cold start	PF > 0.90, THD < 20% : Input 277Vac, Load > 70%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 6KV	Efficiency : 86% at 230Vac full load
Turn on delay time : < 1 Sec.	Load Regulation : ±5%
Operation Temp. : -40°C ~ +50°C , Tc : 90°C	DC Output Ripple/Noise : < 10% (42V, 56V), < 15% (28V)
Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 217F

Model List

Model	Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Current Range	Output Voltage Range (Vf)	
HLP1030-28-Cnnnn	900 ~ 1200mA	14 ~ 28V	30W (cUL- class 2)
HLP1030-42-Cnnnn	600 ~ 850mA	21 ~ 42V	30W (cUL- class 2)
HLP1030-56-Cnnnn	400 ~ 650mA	28 ~ 56V	30W (cUL- class 2)

Note : We can provide any fixed output current between 400 ~ 1200mA to meet customers' requirements.

Model Information

HLP1030-XX-Cnnnn-DDDD

1030 = Single DC Output, 30 Watts Max. **XX** = 28, 42, 56 (Max. forward voltage[Vdc])

Cnnnn = Constant Current Output, C1200 = 1200mA, ... , C0400 = 400mA

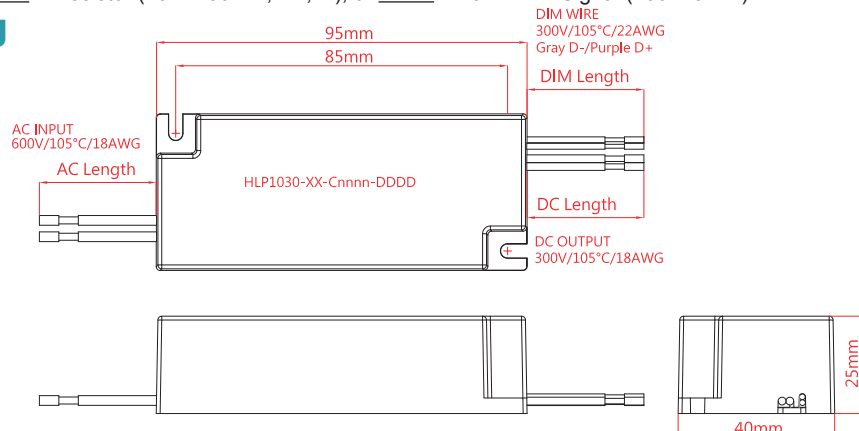
DDDD = (Optional or blank) for constant current dimming function. (Gray/D-, Purple/D+)

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

Mechanical Drawing

Case Dimension : 95(L), 40(W), 25(H)mm

Weight : 170g typical



■ AC to DC LED Power Supply 24~ 40 Watts



Applications

LED Architectural Lighting
LED Commercial Industrial Lighting
LED Lighting

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Features

Available in Constant Current
Compatible with 0 ~10V Dimming Controller
No load power consumption < 0.5W at 277Vac
Surge Immunity (IEC61000-4-5) : 6KV
Protection : SCP, OVP, OTP – 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 Class2, Class-P, (Type HL, TL), FCC B,
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 115~230Vac, Load > 60%
Input Inrush Current : < 10A / 115Vac, < 20A / 230Vac at cold start	PF > 0.90, THD < 20% : Input 277Vac, Load > 75%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 6KV	Efficiency : > 87% at 230Vac full load
Turn on delay time : < 1 Sec.	Load Regulation : ±5%
Operation Temp. : -40°C ~ +50°C , Tc : 90°C	DC Output Ripple/Noise : < 10% (42V, 56V), < 15% (28V)
Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 217F

Model List

Model	Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Current Range	Output Voltage Range (Vf)	
HLP1040-28-Cnnnn	1200 ~ 1600mA	14 ~ 28V	40W (cUL- class 2)
HLP1040-42-Cnnnn	850 ~ 1200mA	21 ~ 42V	40W (cUL- class 2)
HLP1040-56-Cnnnn	600 ~ 850mA	28 ~ 56V	40W (cUL- class 2)

Note : We can provide any fixed output current between 600 ~ 1600mA to meet customers' requirements.

Model Information

HLP1040-XX-Cnnnn-DDDD

1040 = Single DC Output, 40 Watts Max.

XX = 28, 42, 56 (Max. forward voltage[Vdc])

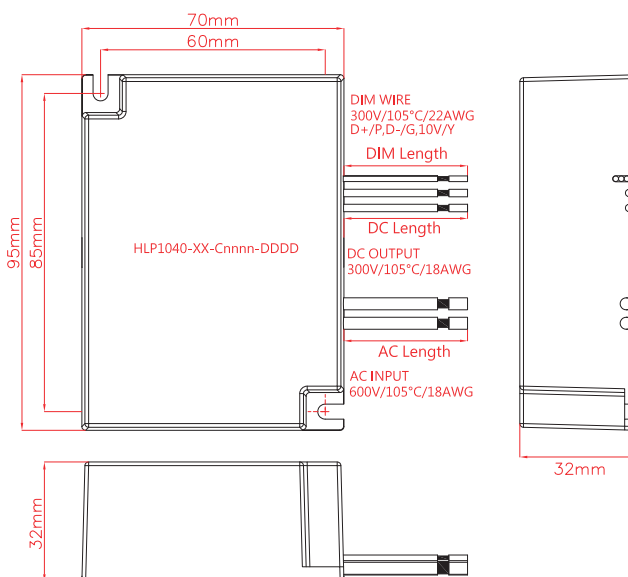
Cnnnn = Constant Current Output,
C1600 = 1600mA, ..., C0600 = 600mA

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

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

Mechanical Drawing

Case Dimension : 95(L), 70(W), 32(H)mm
Weight : 355g typical



■ AC to DC LED Power Supply 35~ 58 Watts



Applications

LED Architectural Lighting
LED Commercial Industrial Lighting
LED Lighting

UL[®]us FCC CE © IP66 RoHS REACH

Features

Available in Constant Current
Compatible with 0 ~10V Dimming Controller
No load power consumption < 0.5W at 277Vac
Surge Immunity (IEC61000-4-5) : 6KV
Protection : SCP, OVP, OTP – 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 Class2, Class-P, cUL (Type HL, TL), FCC B,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 100-277Vac/ 0.7A/ 50/60Hz	PF > 0.92, THD < 20% : Input 115~230Vac, Load > 60%
Input Inrush Current : < 15A / 115Vac, < 30A / 230Vac at cold start	PF > 0.90, THD < 20% : Input 277Vac, Load > 70%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 6KV	Efficiency : > 89% at 230Vac full load
Turn on delay time : < 1 Sec.	Load Regulation : ±5%
Operation Temp. : -40°C ~ +55°C , Tc : 87°C	DC Output Ripple/Noise : < 10% (42V, 56V), < 15% (32V)
Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 217F

Model List

Model	Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Current Range	Output Voltage Range (Vf)	
HLP1055-32-Cnnnn	1500 ~ 2100mA	16 ~ 32V	58W (cUL- class 2)
HLP1055-42-Cnnnn	1100 ~ 1600mA	21 ~ 42V	58W (cUL- class 2)
HLP1055-56-Cnnnn	900 ~ 1250mA	28 ~ 56V	58W (cUL- class 2)

Note : We can provide any fixed output current between 900 ~ 2100mA to meet customers' requirements.

Model Information

HLP1055-XX-Cnnnn-DDDD

1055 = Single DC Output, 58 Watts Max. **XX** = 32, 42, 56 (Max. forward voltage[Vdc])

Cnnnn = Constant Current Output, C2100 = 2100mA, ..., C0900 = 900mA

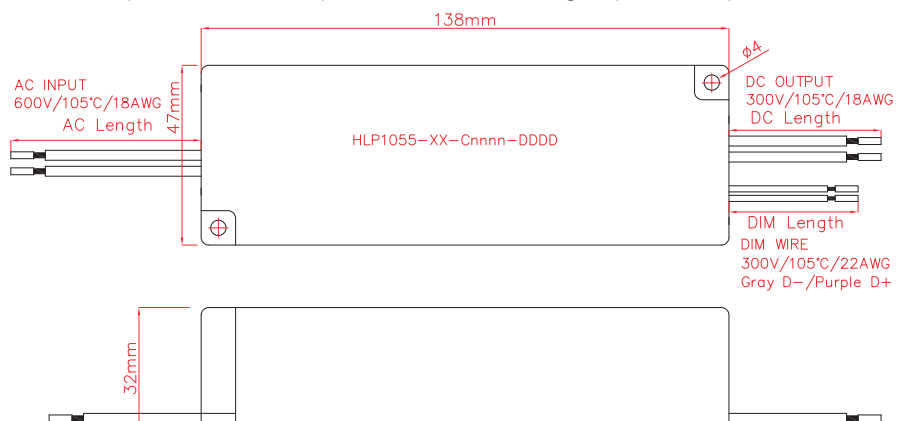
DDDD = (Optional or blank) for constant current dimming function. (Gray/D-, Purple/D+)

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

Mechanical Drawing

Case Dimension : 138(L), 47(W), 32(H)mm

Weight : 355g typical



■ AC to DC LED Power Supply 9~18 Watts



Applications

LED Architectural Lighting
LED Commercial Industrial Lighting
LED Lighting

cUL[®] FC CE CB IP66 RoHS REACH
Pending

Features

Available in Constant Current
Compatible with 0 ~10V Dimming Controller (Isolation)
Protection : OCP, SCP, OVP, OTP (just for no DIM models) - 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 at cold start	PF > 0.92, THD < 20% : Input 277Vac, Load > 70%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 4KV	Efficiency : > 78% at 230Vac full load
Turn on delay time : < 0.5 Sec at 110Vac	Load Regulation : ±5%, DC Output Ripple/Noise : 5%
Operation Temp. : -40°C ~ +50°C , Tc : 90°C ; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 217F

Model List

Model	Constant Current Mode (CC)		Max. Watts
	Fixed Output Current Range	Output Voltage Range	
LF1018-20-Cnnnn	850 ~ 1050mA	12 ~ 20V	18W
LF1018-28-Cnnnn	600 ~ 800mA	16 ~ 28V	18W
LF1018-42-Cnnnn	400 ~ 600mA	26 ~ 42V	18W

Note 1: We can provide any fixed output current between 400 ~ 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, ..., C0400 = 400mA

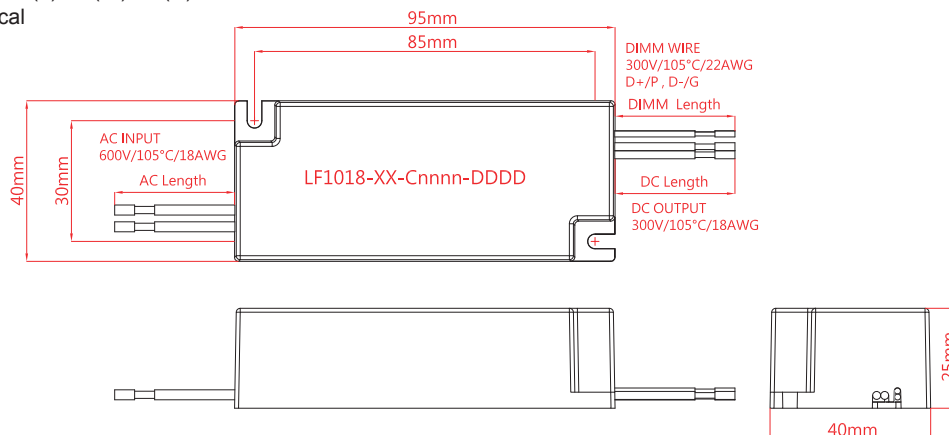
DDDD = (Optional or blank) for constant current dimming function. (Gray/D-, Purple/D+), Isolation circuit

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

UL[®]us FCC CE CB IP66 RoHS REACH

Features

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, TL), 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 115~230Vac, Load > 70%
Input Inrush Current : < 20A / 115Vac, < 40A / 230Vac at cold start	PF > 0.92, THD < 20% : Input 277Vac, Load > 80%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 4KV	Efficiency : > 84% at 230Vac full load
Turn on delay time : < 0.5 Sec.	Load Regulation : ±5%, DC Output Ripple / Noise : 5%
Operation Temp. : -40°C ~ +50°C ; Tc : 90°C ; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 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 - XXX-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.

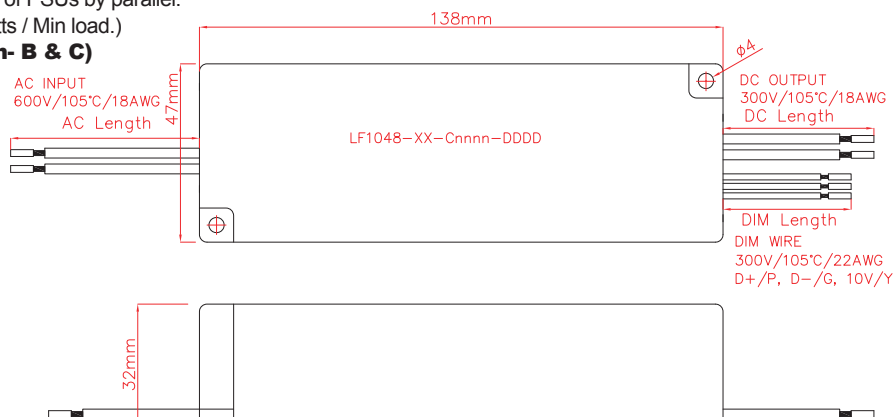
(Dimming function- min. 10% of full load; 4~5 Watts / Min load.)

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

Mechanical Drawing

Case Dimension : 138(L), 47(W), 32(H)mm

Weight : 370g typical



■ AC to DC Switch Power Supply 37~75 Watts



Applications

LED Architectural Lighting
LED Commercial Industrial Lighting
LED Lighting

cUL[®]us FCC CE CB □ PSE IP66 RoHS REACH

Features

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 : < 20A / 115Vac, < 40A / 230Vac at cold start	PF > 0.92, THD < 20% : Input 277Vac, Load > 70%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 6KV	Efficiency : > 85% at 230Vac full load
Turn on delay time : < 1 Sec. at 110Vac	Load Regulation : ±5%, DC Output Ripple/Noise : 5%
Operation Temp. : -40°C ~ +50°C, Tc : 90°C ; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 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 Output (Current dimming mode) or Constant Voltage (only 24, 36, 48V Model, PWM mode, 290Hz)(Gray/D-, Purple/D+, Yellow/12Vdc/20mA)

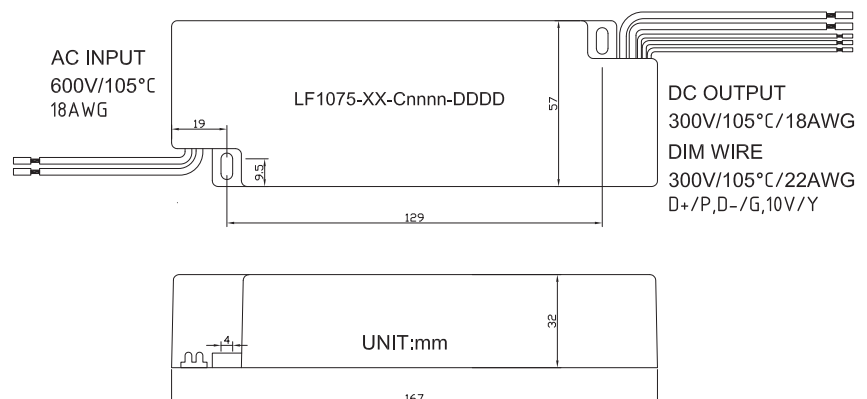
(Dimming : Refer to Dimming Instruction- A & C)

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

cUL[®]us FCC CE CB PSE IP67 RoHS REACH

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,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 : 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-HDBK- 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	
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

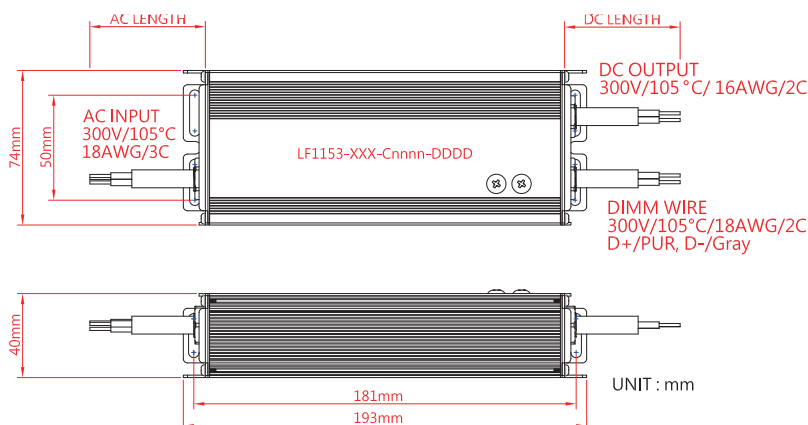
DDDD = (Optional or blank) for constant current dimming function. (Gray D-, Purple D+)

(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 LED Power Supply, 100~200 Watts



Applications

LED Street Lighting
LED Architectural Lighting
LED Lighting

cUL^{us} LISTED cUL^{us} FC CE CB IP67 RoHS REACH

Features

Available Two Various Constant Current Output.
Compatible with 1 ~ 10Vdc **Two** Dimming Controller
Surge Immunity (IEC 61000-4-5) : 6KV (L-N, LN-PE)
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 class P, 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 : 85°C	DC Output Current Ripple/Noise : 10%
Storage Temp. : -40°C ~ +85°C , 10~95%RH	MTBF(@50°C) : > 50,000 Hours, MIL-217F

Model List

Model	Constant Current Mode / Forward Voltage			Per Max. Output	Max. Output (UL Safety)
	Output	Constant Current (If)	Forward Voltage(Vf)		
LF2200-286286-FcSc-DM	Fc	350 ~ 550mA	100 ~ 286V	100W	200W (cUL)
	Sc	350 ~ 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	350 ~ 550mA	100 ~ 286V	100W	200W (cUL)
	Sc	620 ~ 1000mA	50 ~ 160V	100W	
LF2200-042042-FcSc-DM	Fc	2000 ~ 3000mA	20 ~ 42V	100W	200W (cUL) cUL-class 2
	Sc	2000 ~ 3000mA	20 ~ 42V	100W	
LF2200-056056-FcSc-DM	Fc	1400 ~ 2100mA	26 ~ 56V	100W	200W (cUL) cUL-class 2
	Sc	1400 ~ 2100mA	26 ~ 56V	100W	

Model Information

LF2200-XXXXYY-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, 35 = 350mA, ... , 30 = 3000mA

35= 350mA / 143~286Vdc	50= 500mA / 100~200Vdc	80= 800mA / 62~125Vdc	21= 2100mA / 26~48Vdc
42= 420mA / 119~238Vdc	62= 620mA / 80~160Vdc	10= 1000mA / 50~100Vdc	30= 3000mA / 20~34Vdc

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

(Dimming : Refer to Dimming Instruction- D)

DM Output wire-

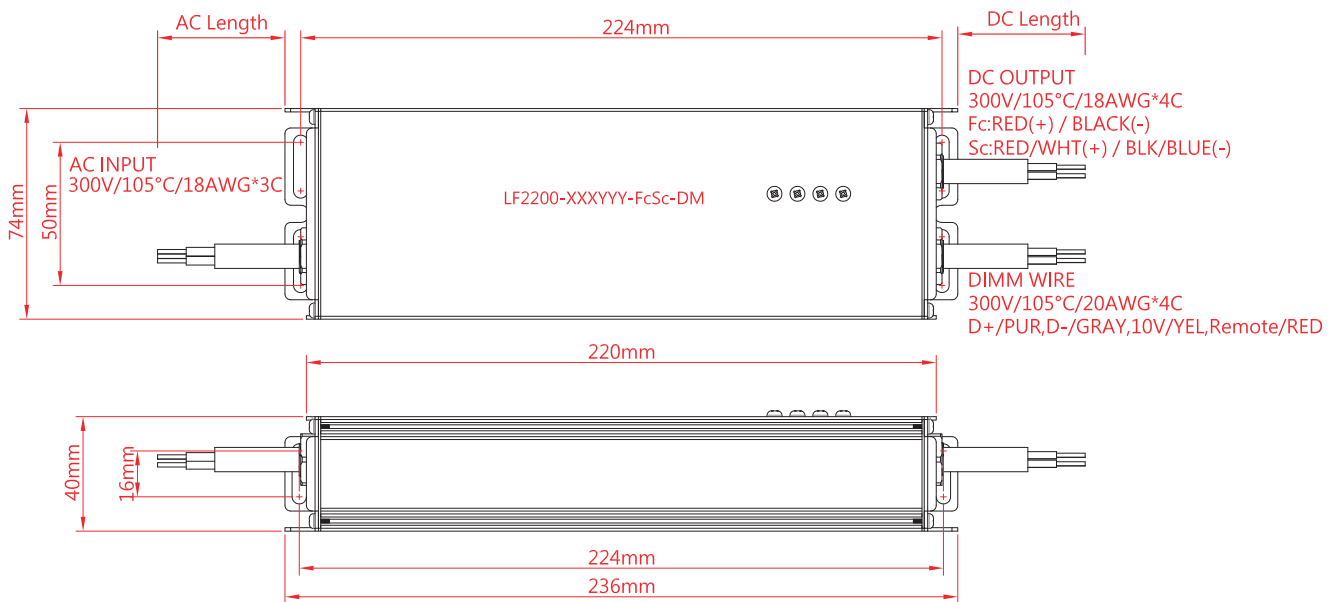
Gray(Dim-), Purple(Dim+), Yellow(10Vdc/400mA), Red(remote CTL.) for LF2200-160,LF2200-286 model

Gray(Dim-), Red(Dim1+), Purple(Dim2+), Yellow(10Vdc/400mA), for all model

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

cUL[®]us FCC CE CB   IP67 RoHS REACH

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

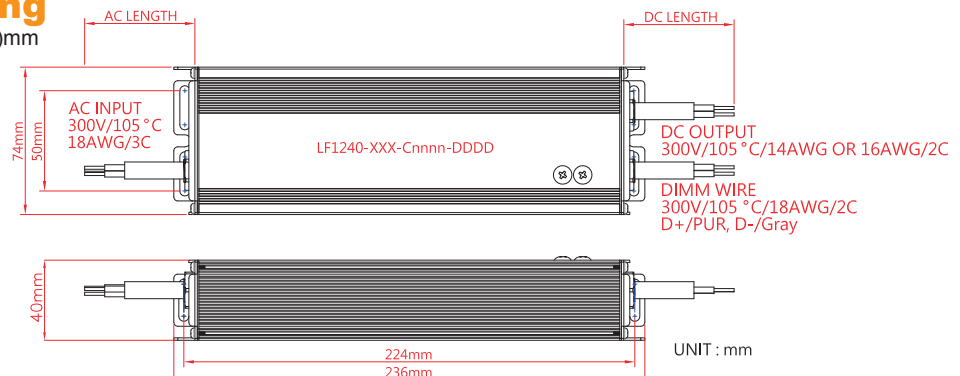
(Dimming : Refer to Dimming Instruction- A)

010V = 0~10Vdc (off < 0.3V, 1~10V=10~100%), or **VR** = 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 33~55 Watts



Applications

LED Architectural Lighting
LED Commercial Industrial Lighting
LED Lighting

cUL[®]us FC CE IP66 RoHS REACH

Pending

Features

Available in Constant Current or Constant Voltage
Compatible with 1 ~10V Dimming Controller (CC)
Protection : OCP, SCP, OVP, OTP (limit-CC) - Auto Recovery
Suitable for Dry, Damp Locations, meet 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,
CE (EN55015, EN61547, EN61347-2-13, EN61000-3-2 class C)

Specifications

AC Input Range : 200-380Vac/ 0.4~0.2A/ 47~63Hz	PF > 0.92, THD < 15% : Input 230~277Vac, Load > 60%
Input Inrush Current : < 10A / 230Vac, < 20A / 347Vac at cold start	PF > 0.90, THD < 15% : Input 347Vac, Load > 70%
Leakage Current : < 0.75mA / 347Vac, Surge Immunity : 4KV	Efficiency : > 88% at 347Vac full load
Turn on delay time : < 0.5 Sec. at 220Vac	Load Regulation : ±5%, DC Output Ripple/Noise : 10%
Operation Temp. : -40°C ~ +50°C ; Tc : 90°C ; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 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	
LH1046-42	28 ~ 42V	150 ~ 1500mA	1000 ~ 1500mA	21 ~ 42V	55W (cUL- class 2)
LH1046-60	38 ~ 60V	100 ~ 1000mA	700 ~ 1000mA	30 ~ 60V	55W (cUL- class 2)

Note 1: We can provide any fixed output current or voltage between 700 ~ 1500mA or 28 ~ 60V to meet customers' requirements.

Model Information

LH1046-XX-Cnnnn-DDDD

1046 = Single DC Output, 55 Watts Max. **XX** = Voltage Output, 42 = 42V, 60 = 60V

Cnnnn = (Optional or blank) Constant Current Output, C1500 = 1500mA, ..., C0700 = 700mA

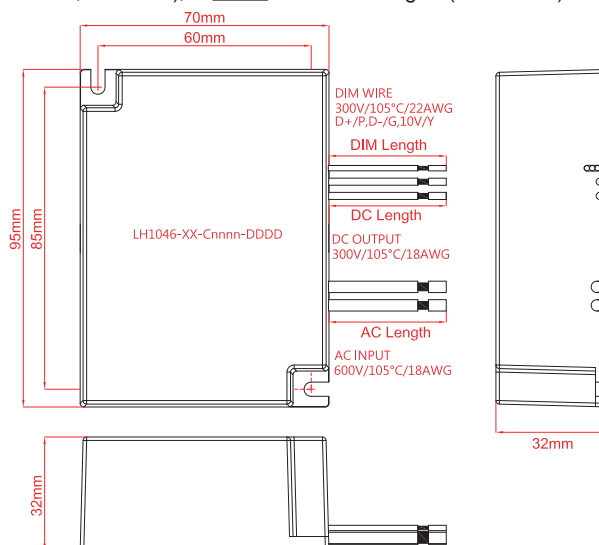
DDDD = (Optional or blank) for constant current dimming function. (Gray/D-, Purple/D+, Yellow/12Vdc/20mA)

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

Mechanical Drawing

Case Dimension : 95(L), 70(W), 32(H)mm

Weight : 385g typical



■ AC to DC LED Power Supply 2.4~4.8 Watts



Applications

LED Architectural Lighting
LED Commercial Industrial Lighting
LED Lighting

FC CE IP66 RoHS REACH

Pending

Features

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

Certifications

FCC B, CE (EN55015, EN61547, EN61347, EN61000-3-2 class C)

Specifications

AC Input Range : 100~240Vac / 0.1 ~ 0.02A / 47 ~ 63Hz	PF > 0.92, THD < 20% : Input 115 ~ 230Vac, Load > 80%
Input Inrush Current : < 20A / 115Vac, < 40A / 230Vac at cold start	Efficiency : > 70% at 230Vac full load
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 2KV	Load Regulation : ±5%
Turn on delay time : < 1 Sec. at 110Vac	DC Output Ripple/Noise : 10%
Operation Temp. : -40°C ~ +50°C , Tc : 90°C ; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 217F

Model List

Model	Constant Current Mode (CC)		Max. Watts
	Fixed Output Current Range	Output Voltage Range	
LP1004-08-Cnnnn	500 ~ 700mA	2.5 ~ 7.5V	4.8W
LP1004-12-Cnnnn	300 ~ 400mA	6 ~ 12V	4.8W
LP1004-38-Cnnnn	100 ~ 200mA	20 ~ 38V	4.8W

Note 1: We can provide any fixed output current between 100 ~ 700mA to meet customers' requirements.

Model Information

LP1004-XX-Cnnnn

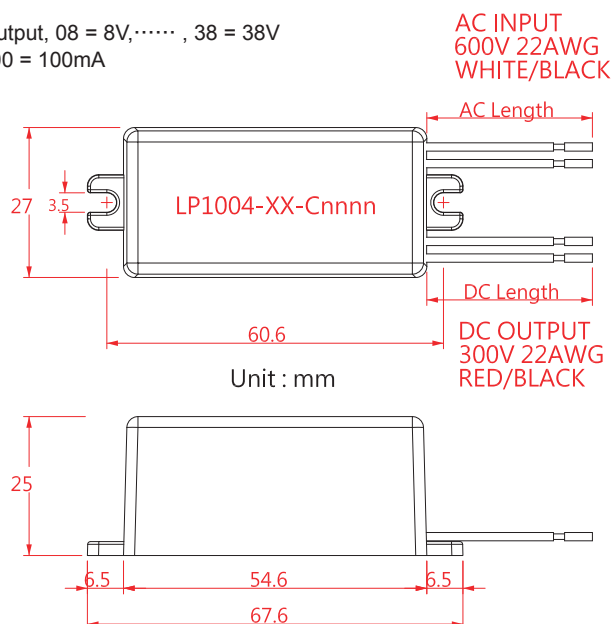
1004 = Single DC Output , 4.8Watts Max. **XX** = Voltage Output, 08 = 8V,..... , 38 = 38V

Cnnnn = Constant Current Output, C0700 = 700mA, ..., C0100 = 100mA

Mechanical Drawing

Case Dimension : 67.6(L), 27(W), 25(H),

Weight : 50g typical



■ AC to DC Switch Power Supply 7~12.6 Watts



Applications

LED Architectural Lighting
LED Commercial Industrial Lighting
LED Lighting

UL[®]us FCC CE CB IP66 RoHS REACH

Features

Available in Constant Current or Constant Voltage
Protection : SCP, OCP – 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 at cold start	PF > 0.9, THD < 20% : input > 100~277Vac, Load > 80%
Surge Immunity (IEC61000-4-5) : 4KV	Efficiency : > 80% at 230Vac full load
Turn on delay time : < 2 Sec. at 100 ~277Vac	Load Regulation : ±5%, DC Output Ripple/Noise : 15%
Operation Temp. : -40°C ~ +50°C , Tc : 90°C ; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 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

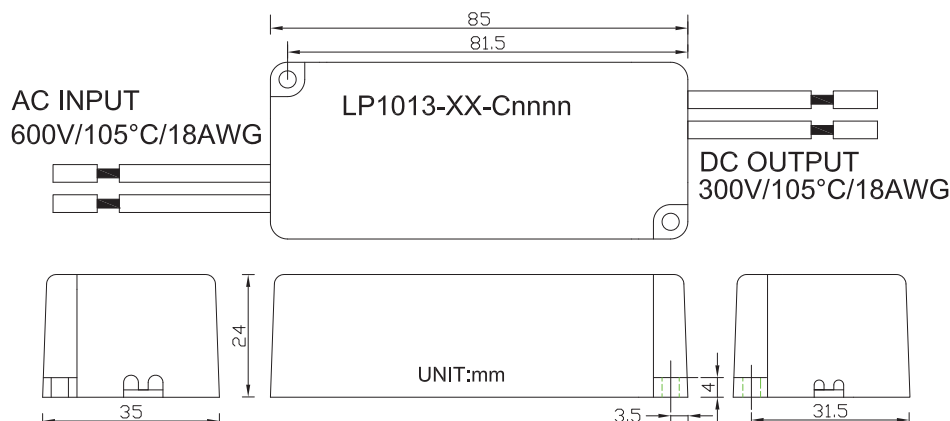
1013 = Single DC Output, 12~12.6 Watts Max. **XX** = Voltage Output, 12 = 12V, ..., 36 = 36V

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



■ AC to DC Switch Power Supply 17~18 Watts



Applications

LED Light Bar
LED Commercial Industrial Lighting
LED Lighting

UL[®] FC CE IP66 RoHS REACH

Features

Available in Constant Current or Constant Voltage
Protection : SCP, OVP – Auto Recovery
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 at full Load
Input Inrush Current : < 10A / 115Vac, < 20A / 230Vac at cold start	Efficiency : 12V/71%, 24V/74%, 36V/76% at 230Vac full load
Surge Immunity (IEC61000-4-5) : 1KV	Load Regulation : $\pm 5\%$
Turn on delay time : < 2 Sec. at 110Vac	DC Output Ripple/Noise : 10%
Operation Temp. : -40°C ~ +50°C, Tc : 90°C; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 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

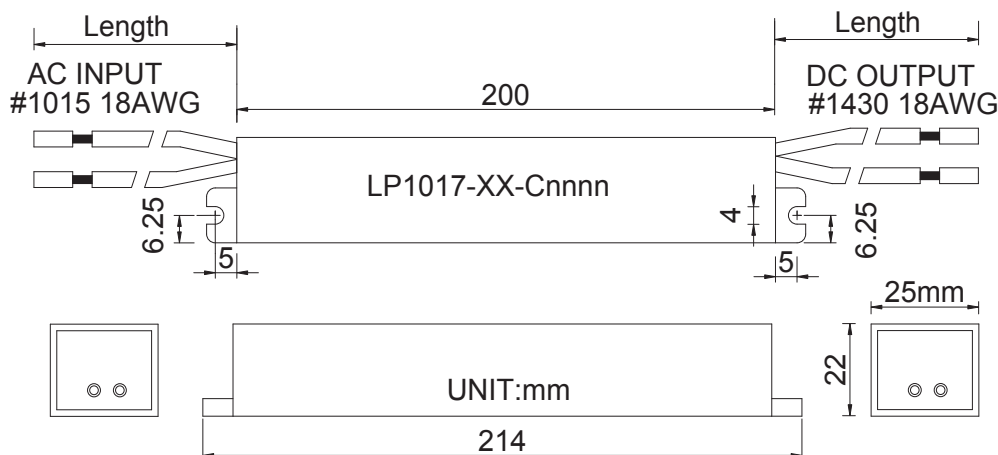
1017 = Single DC Output, 17~18 Watts Max. **XX** = Voltage Output, 12 = 12V, ... , 36 = 36V

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 ^{UL} FCC E CB PSE IP66 RoHS REACH

Features

Available in Constant Current or Constant Voltage
Protection : SCP, OCP, 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, UL8750 Class 2, cUL (Type HL, TL), 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 115~230Vac, Load > 80%
Input Inrush Current : < 10A / 115Vac, < 20A / 230Vac at cold start	PF > 0.92, THD < 20% : Input 277Vac at full load
Surge Immunity (IEC61000-4-5) : 4KV	Efficiency : > 80% at 230Vac 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-HDBK- 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 (cUL- class 2)

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

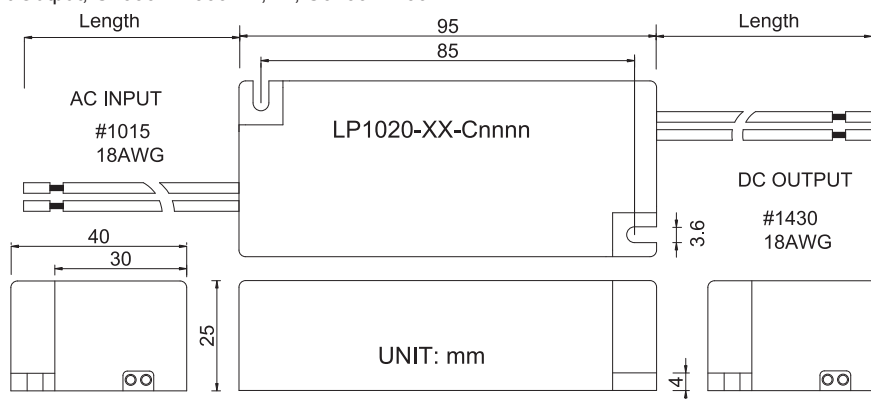
1020 = Single DC Output , 20~21 Watts Max. **XX** = Voltage Output, 12 = 12V, ..., 52 = 52V

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



■ AC to DC LED Power Supply 19~30 Watts



Applications

LED Architectural Lighting
LED Commercial Industrial Lighting
LED Lighting

cUL[®] US FCC CB IP66 RoHS REACH

Features

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

Certifications

UL879, UL1310, UL8750 Class 2, cUL (Type HL, TL), 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 115 ~ 230Vac, Load > 65%
Input Inrush Current : < 10A / 115Vac, < 20A / 230Vac at cold start	PF > 0.90, THD < 20% : Input 277Vac, Load > 90%
Surge Immunity (IEC61000-4-5) : 4KV	Efficiency : > 80% at 230Vac full load
Turn on delay time : < 0.6 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-HDBK- 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)

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

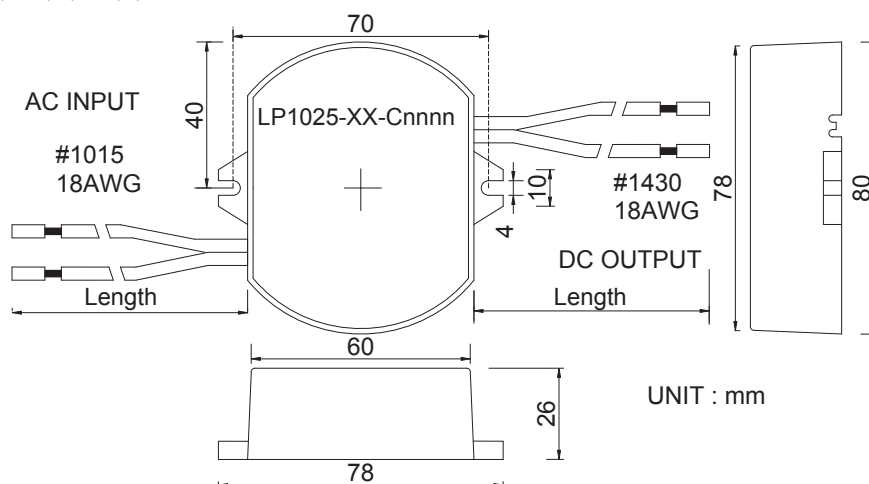
1025 = Single DC Output, 25~30 Watts Max. **XX** = Voltage Output, 12 = 12V, ..., 50 = 50V

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



UNIT : mm

■ AC to DC Switch Power Supply 18~30 Watts



Applications

LED Architectural Lighting
LED Commercial Industrial Lighting
LED Lighting

cUL[®]us FCC E CB ① PSE IP66 RoHS REACH

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 at cold start	PF > 0.92, THD < 20% : Input 277Vac, Load > 80%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 4KV	Efficiency : > 80% at 230Vac full load
Turn on delay time : < 1.5 Sec. at 110Vac	Load Regulation : ±5%, DC Output Ripple/Noise : 10%
Operation Temp. : -40°C ~ +50°C , Tc : 90°C ; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 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

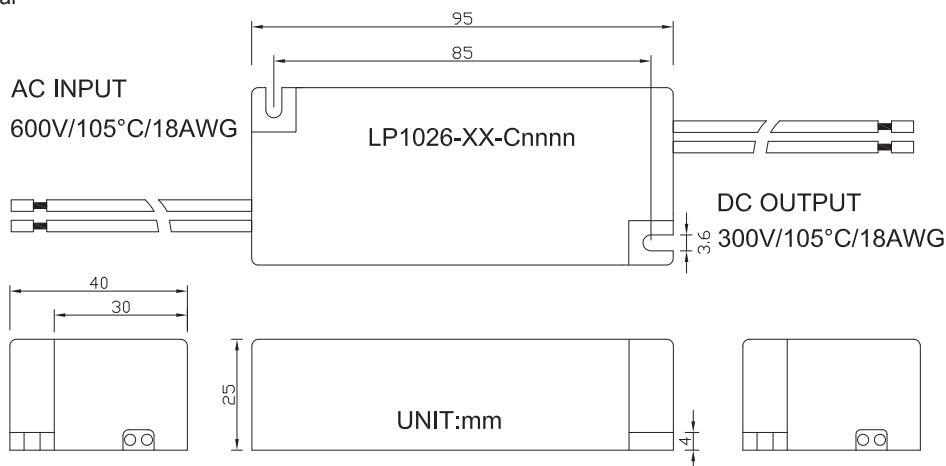
1026 = Single DC Output, 24~30 Watts Max. **XX** = Voltage Output, 15 = 15V, ..., 86 = 86V

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



■ AC to DC LED Power Supply 20~40 Watts



Applications

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
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 115 ~ 230Vac, Load > 50%
Input Inrush Current : < 10A / 115Vac, < 20A / 230Vac at cold start	PF > 0.92, THD < 20% : Input 277Vac, Load > 80%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 4KV	Efficiency : > 81% at 230Vac full load
Turn on delay time : < 0.5 Sec. at 110Vac	Load Regulation : ±5% (LP1036-24: ±6%)
Operation Temp. : -40°C ~ +50°C , Tc : 90°C	DC Output Ripple/Noise : 10%
Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 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)

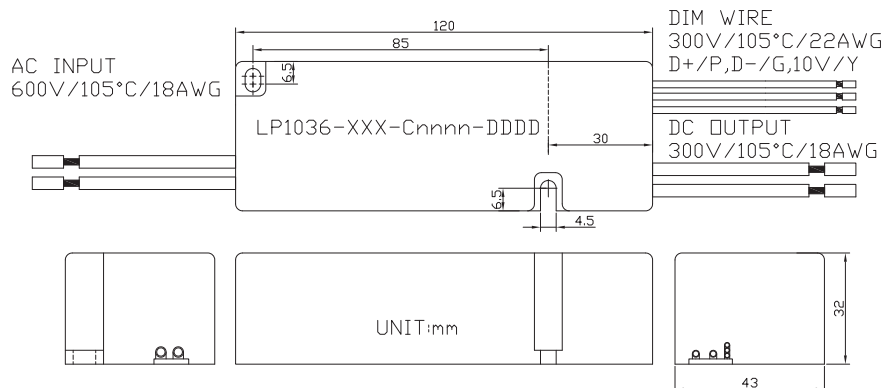
010V = 0~10Vdc (Off < 1V, 10~100%), or **VR** = Resistor (10K~100KΩ, 10~100%), or **PWM** = 10V PWM Signal (200 ~ 5kHz)

(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

cUL[®]us [®]UL FCC E CB PSE IP66 RoHS REACH

Features

Available in Constant Current or Constant Voltage
Protection : SCP, OVP, OCP – Auto Recovery
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, TL), 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 at cold start	Efficiency : > 80% at 230Vac full load
Surge Immunity (IEC61000-4-5) : 4KV	Load Regulation : ±5%
Turn on delay time : < 1 Sec. at 110Vac	DC Output Ripple/Noise : 10%
Operation Temp. : -40°C ~ +50°C , Tc : 90°C ; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 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

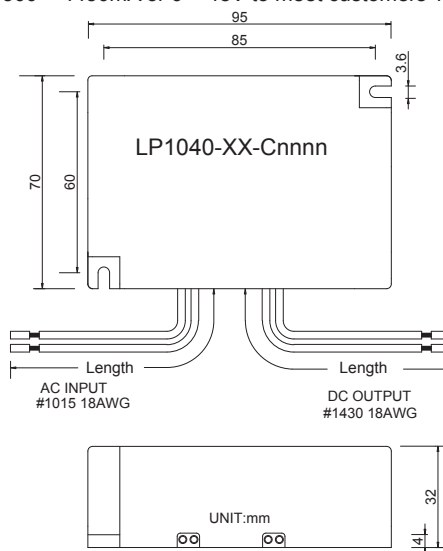
Cnnnn = (Optional or blank) Constant Current Output,
C4450 = 4450mA, ..., C0500 = 500mA

Mechanical Drawing

Case Dimension :

95(L), 70(W), 32(H)mm

Weight : 355g typical



■ AC to DC Switch Power Supply 30~60 Watts



Applications

LED Architectural Lighting
LED Commercial Industrial Lighting
LED Lighting

UL[®] cUL[®] FCC CE CB PSE 15 IP66 RoHS REACH

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 at cold start	PF > 0.90, THD < 20% : Input 277Vac, Load > 70%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 6KV	Efficiency : > 85% at 230Vac full load
Turn on delay time : < 0.5 Sec.	Load Regulation : ±5%, DC Output Ripple/Noise : 10%
Operation Temp. : -40°C ~ +50°C , Tc : 90°C ; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 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)

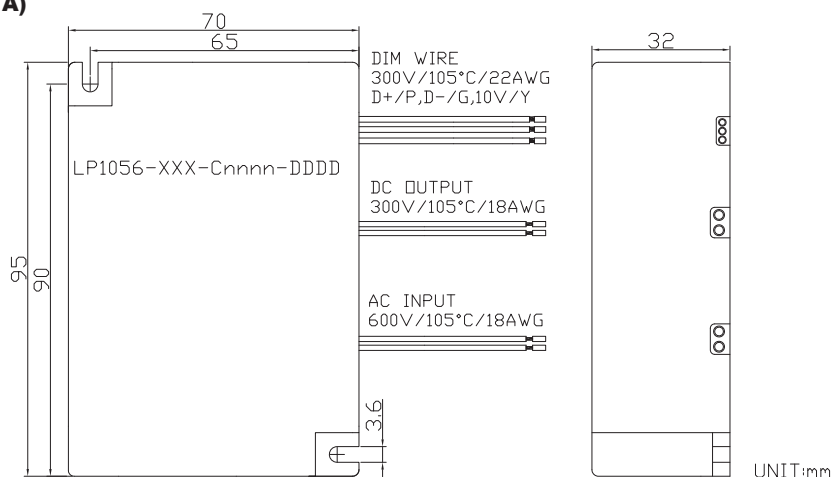
010V = 0~10Vdc (Off < 1V, 10~100%), or **VR** = Resistor (10K~100KΩ, 10~100%), or **PWM** = 10V PWM Signal (200 ~ 5kHz)

(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

UL[®]us FCC CE CB IP67 RoHS REACH

Features

Available in Constant Current or Constant Voltage
Compatible with 0 ~10V Dimming Controller (CC)
Surge Immunity : 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, TL), 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 at cold start	PF > 0.90, THD < 20% : Input 277Vac, Load > 70%
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 6KV	Efficiency : > 85% at 230Vac full load
Turn on delay time : < 0.5 Sec.	Load Regulation : ±5%, DC Output Ripple/Noise : 10%
Operation Temp. : -40°C ~ +50°C , Tc : 90°C ; Storage Temp. : -40°C ~ +85°C	MTBF (@50°C) : > 50,000 Hours, MIL-HDBK- 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+)

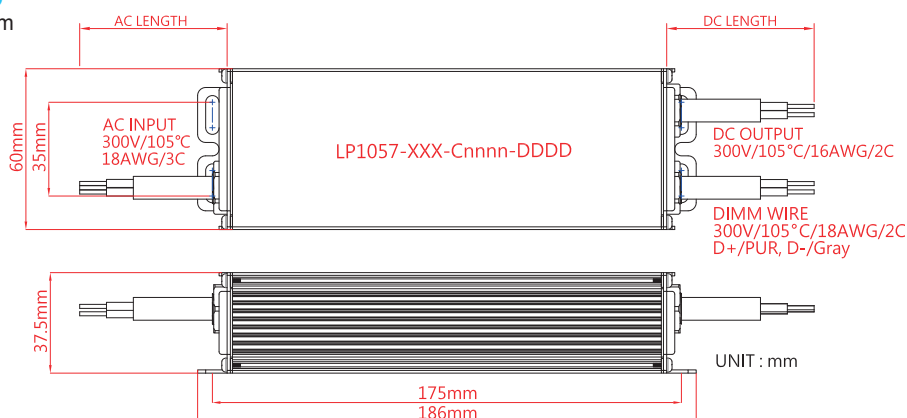
(Dimming : Refer to Dimming Instruction- A)

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 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 (Type HL, TL), FCC B, CB,
CE (EN55015, EN61547, EN61347-2-13, N61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 1.5A~0.47A / 47~63Hz	PF > 0.9, THD < 20% : Input 115 ~ 230Vac, Load > 80%
Input Inrush Current : < 20A / 115Vac, < 40A / 230Vac at cold start	PF > 0.9, THD < 20% : Input 277Vac at full load
Leakage Current : < 0.4mA/115Vac, < 0.75mA / 230Vac	Efficiency: > 85% at 230Vac full load
Surge Immunity (IEC61000-4-5) : 3KV	Load Regulation : ±5% (36V/48V CC: ±7%)
Turn on delay time : < 3 Sec. at 110 ~ 277Vac	DC Output 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-HDBK- 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	95W (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- class 2)

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)

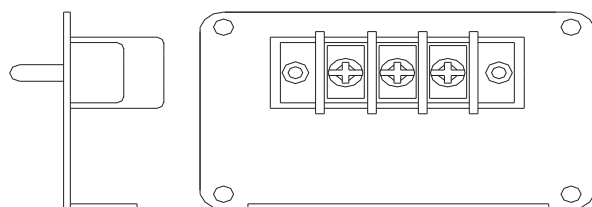
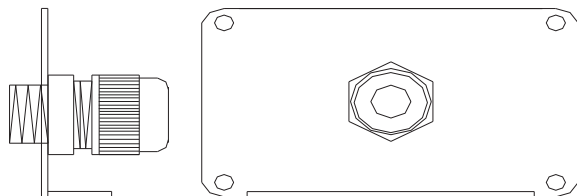
Mechanical Drawing

Y = AC Input End Plates & Connectors

Y = G, T

G = GLAND (1/4" or 1/2")

T = TERMINAL (TL-03)

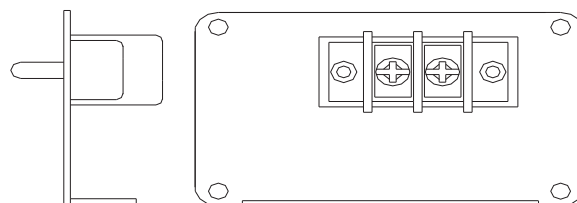
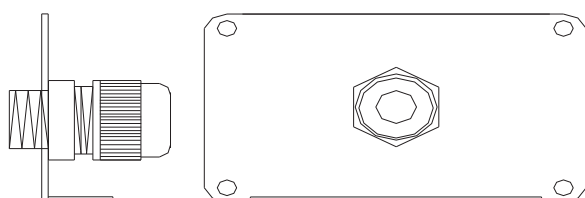


Z = DC Output End Plates & Connectors

Z = G, T

G = GLAND (1/4" or 1/2")

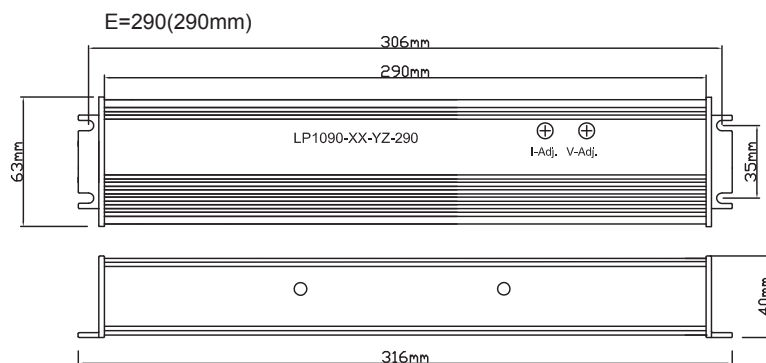
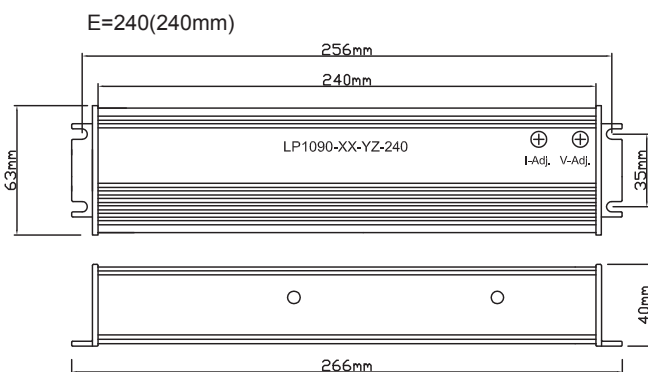
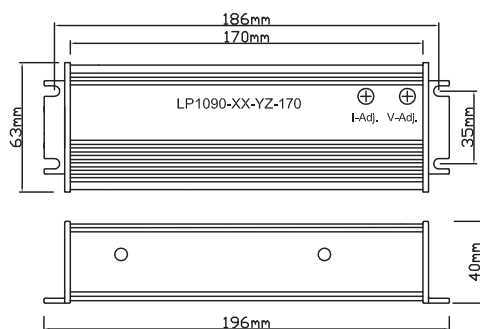
T = TERMINAL (TL-02)



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)



AC to DC Switch Power Supply 60~100 Watts



Applications

LED Architectural Lighting
LED Commercial Industrial Lighting
LED Lighting

UL[®]us FCC CE CB   IP66 RoHS REACH

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

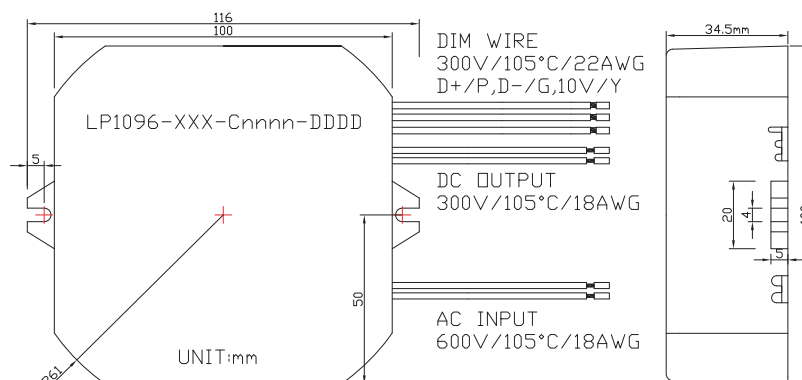
DDDD = (Optional or blank) for constant current dimming function. (Gray/D-, Purple/D+, Yellow/12Vdc/20mA)

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 LED Power Supply 75~200 Watts



Applications

LED Street Lighting
LED Commercial Industrial Lighting
LED Lighting

cUL[®]us FCC CE RoHS REACH

Pending

Features

Available in Constant Current or Constant Voltage
Compatible with 0 ~10V Dimming Controller
Protection : SCP,OVP,OCP- Auto Recovery; OTP (limit-CC)
Suitable for Dry, Damp Locations
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, EN61000-3-2 class C)

Specifications

AC Input Range : 100~277Vac / 2A ~ 1.2A / 47~63Hz	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 : 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-HDBK- 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	
PCBA150-36-Cnnnn	28 ~ 42V	80 ~ 5000mA	2500 ~ 5000mA	21 ~ 42V	150W (cUL)
PCBA150-48-Cnnnn	40 ~ 56V	50 ~ 3750mA	1800 ~ 3750mA	30 ~ 56V	150W (cUL)
* PCBA150-120-Cnnnn	N/A		1000 ~ 2000mA	60 ~ 120V	200W (cUL)
* PCBA150-240-Cnnnn	N/A		500 ~ 1000mA	120 ~ 240V	200W (cUL)

* When the input voltage is between 90~180Vac, its output load will be reduced to 75% (150W).

Note 1 : We can provide any fixed output current or voltage between 500 ~ 5000mA or 28 ~ 56V to meet customers' requirements.

Model Information

PCBA150-XXX-Cnnnn-DDDD

PCBA150 = PCBA Series, Single DC Output, 150~200Watts Max. **XXX** = Voltage Output, 36 = 36V, ..., 240 = 240V

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

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

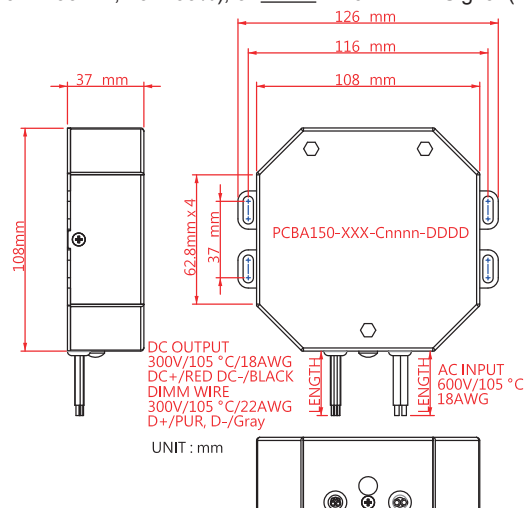
(Dimming : Refer to Dimming Instruction- A)

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

cUL[®]us FCC CB  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 : 75°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 at cold start	Efficiency : > 81% 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 : 10%
Operation Temp. : -40°C ~ +50°C ; Tc : 85°C ; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : >50,000 Hours, MIL-HDBK- 217F

Model List

Model	Constant Current Mode (CC)		Max. Watts (UL Safety)
	Fixed Output Current Range	Output Voltage Range	
LT1016-128-Cnnnn	500 ~ 1000mA	14 ~ 28V	16.8W (cUL- class 2)
LT1016-142-Cnnnn	350 ~ 700mA	18 ~ 42V	16.8W (cUL- class 2)

Compatible dimmer Listing

LUTRON-DVF-103P, DV-600PR-WH,
SELV-300P, S600PR-WH, TT-150NLH-JA
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.

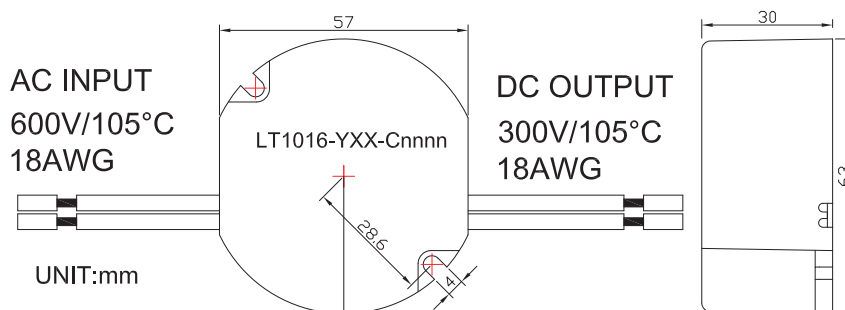
Y = 1-115Vac, AC Input, **XX** = 28, 42, (Max. forward voltage[Vdc])

Cnnnn = Constant Current Limit, (Optional) 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

cUL[®]us FCC CE CB 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 : 75°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 at cold start	Efficiency : > 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 : 10%
Operation Temp. : -40°C ~ +50°C, Tc : 85°C ; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 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.

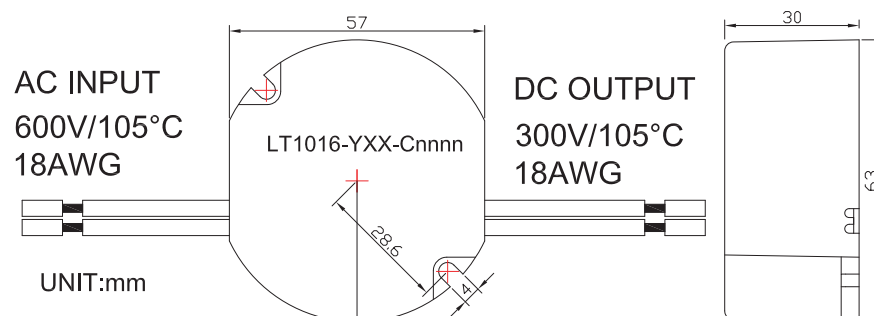
Y = 2-230Vac, AC Input, **XX** = 28, 42, (Max. forward voltage[Vdc])

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

cUL[®]us FC 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 : 75°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 at cold start	Efficiency : > 82% 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 : 10%
Operation Temp. : -40°C ~ +50°C , Tc : 85°C ; Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 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.

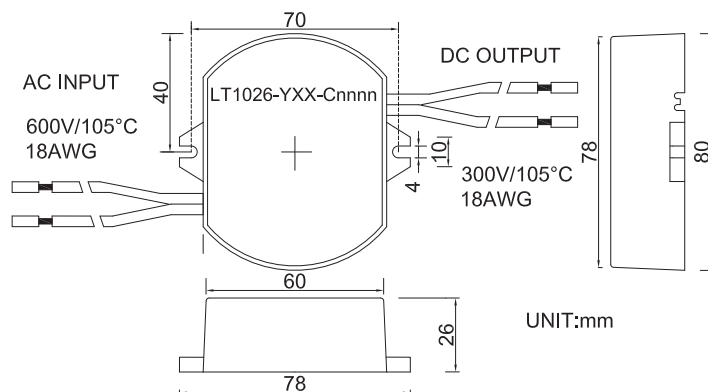
Y = 1-115Vac, AC Input, **XX** = 28, 42, 52 (Max. forward voltage[Vdc])

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

cUL[®]us FCC CE CB 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 : 75°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 at cold start	Efficiency : > 85% at 230Vac full load
Surge Immunity (IEC61000-4-5) : 2.5KV	Load Regulation : $\pm 5\%$
Turn on delay time : < 1.5 Sec.	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-HDBK- 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, 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.

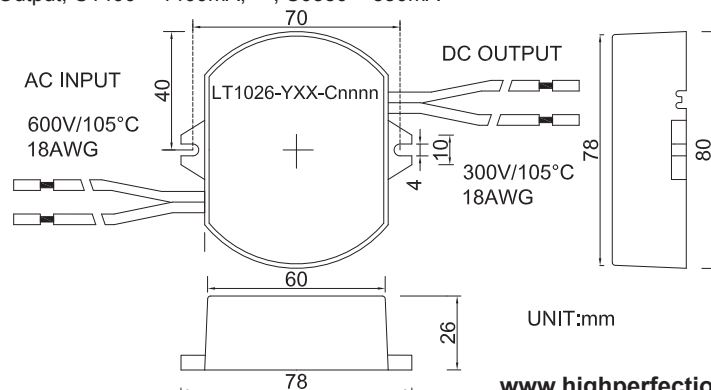
Y = 2-220Vac, AC Input, **XX** = 28, 42, 52 (Max. forward voltage [Vdc])

Cnnnn = Constant Current Limit, Constant Current Output, C1400 = 1400mA, ..., C0350 = 350mA

Mechanical Drawing

Case Dimension : 80(R), 26(H)mm

Weight : 200g typical



UNIT:mm

■ AC to DC Switch Power Supply 8~30 Watts



Applications

LED Street Lighting
LED Commercial Industrial Lighting
LED Lighting



RoHS REACH

Features

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

Certifications

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

Specifications

AC Input Range : 90~132 or 200~264Vac, 0.4A / 0.2A / 47~63Hz	PF > 0.92 : > 8W or 15W, w/o dimmer
Input Inrush Current : < 30A /115Vac at cold start	THD < 20% : at full load, w/o dimmer
Leakage Current : < 0.75mA / 230Vac, Surge Immunity : 2KV	Efficiency : 15V/76%, 28V/76%, 42V/83% at 110Vac full load
Turn on delay time : < 1 sec. at 100Vac	Efficiency : 28V/80%, 48V/83% at 220Vac full load
Operation Temp. : -40°C ~ +50°C , Tc : 90°C	Load Regulation : ±5%, DC Output Ripple/Noise : 5% (100Vac)
Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 217F

Model List

Model	Constant Current Mode (CC)		Max. Watts
	Fixed Output Current Range	Output Voltage Range	
LT1030B-115-Cnnnn	700 ~ 1000mA	8 ~ 15V	15W
LT1030B-128-Cnnnn	500 ~ 700mA	18 ~ 28V	20W
LT1030B-142-Cnnnn	700 ~ 800mA	28 ~ 42V	30W
LT1030B-228-Cnnnn	500 ~ 1000mA	14 ~ 28V	25W
LT1030B-248-Cnnnn	350 ~ 700mA	24 ~ 48V	30W

Compatible dimmer Listing

Lutron HWD-4NE-JA(100V)

Panasonic WT57572W(100V)

Toshiba WDG9001(100V)

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

Note 2 : Dimming range : 1 ~100% at 100Vac (base on dimmer situation)

Model Information

LT1030B- YXX- Cnnnn- Z

LT1030B = LT1030B series for Triac AC Dimming, no flicker, 30 Watts Output Max.

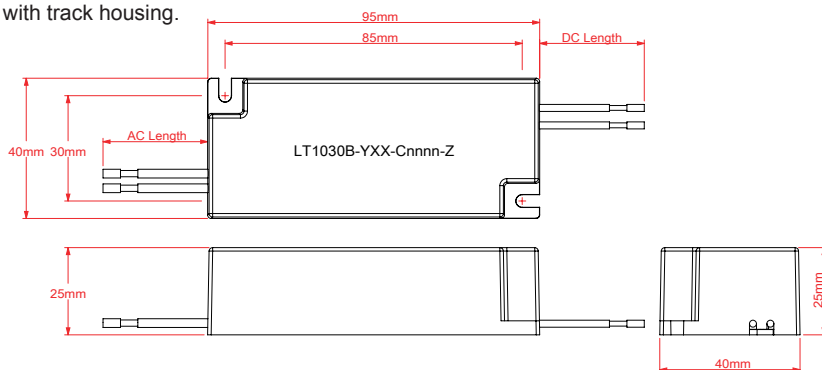
Y = AC input, 1=110Vac, 2=220Vac, **XX** = DC output, 15, 28, 42, 48 (Max. forward voltage [Vdc]).

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

Z = (Optional or blank) **C** = with connector, **T** = with track housing.

Mechanical Drawing

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



■ AC to DC LED Power Supply 8~18 Watts



Applications

LED Bulb with E27 Connector
LED Architectural Lighting
LED Lighting

cUL[®]us FCC CE CB IP66 RoHS REACH

Features

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 at cold start	PF > 0.90, THD < 20% : Input 230Vac, Load > 45%, w/o dimming
Surge Immunity (IEC61000-4-5) : 0.5KV	Efficiency : > 82% at 115Vac full load
Turn on delay time : < 1.5 Sec.	Load Regulation : ±5%, DC Output Ripple/Noise : 10%
Operation Temp. : -30°C ~ +50°C, Tc : 90°C (R58); Storage Temp. : -40°C ~ +85°C	MTBF(@50°C) : > 50,000 Hours, MIL-HDBK- 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- class 2)
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- class 2)
B12E27-124	350 ~ 700mA	13 ~ 24V	16.8W	B12R58-124	350 ~ 700mA	13 ~ 24V	16.8W (cUL- class 2)
B12E27-224	350 ~ 700mA	13 ~ 24V	16.8W	B12R58-224	350 ~ 700mA	13 ~ 24V	16.8W
E12E27-128	350 ~ 480mA	13 ~ 28V	14W	B12R58-128	350 ~ 480mA	13 ~ 28V	14W (cUL- class 2)
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 (cUL- class 2)
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)

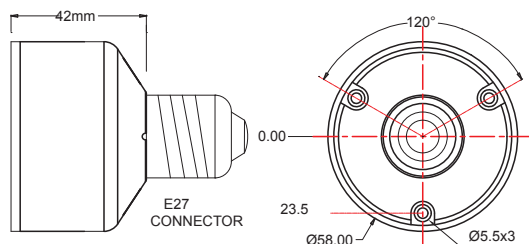
(on/off switch timing 1.5 Sec.)

Mechanical Drawing

EEE : E27 Connector

Case Dimension : 58(R), 68(L)mm

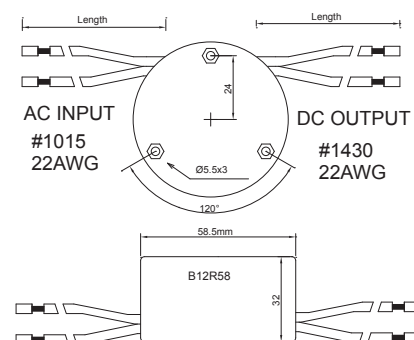
Weight : 100g typ.



EEE : R58 Case

Case Dimension : 58(R), 32(L)mm

Weight : 150g typ.



■ DC to DC LED Power Supply 8.4 Watts



Applications

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 : 10.5 ~ 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-HDBK- 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

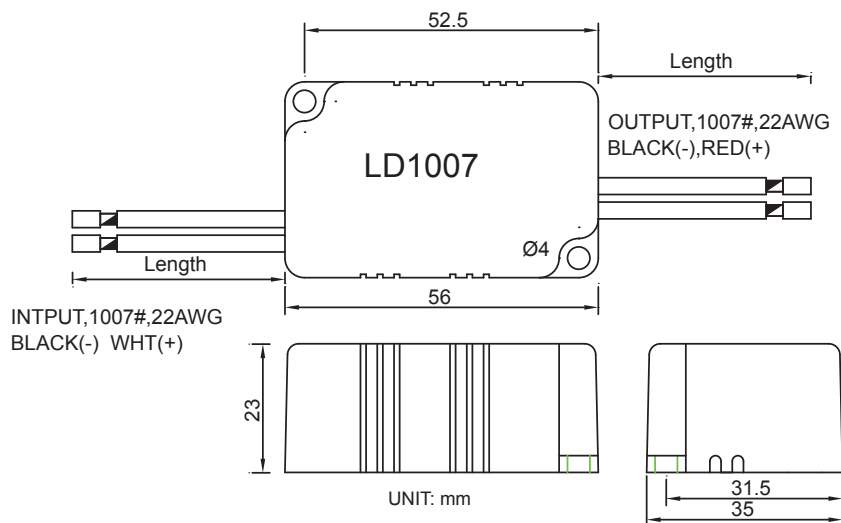
1007 = Single DC Output, 8.4 Watts Max. **XX** = Voltage Output, 12 = 12V, 24 = 24V

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 Locations
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-HDBK- 217F

Model List

Model	Constant Voltage Mode (CV)		Constant Current Mode (CC)		Max. Watts
	Fixed Output Voltage	Output Current Range	Fixed Output Current Range	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 ~ 500mA	30 ~ 72V	25W

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

Model Information

LD1026-XX-Cnnnn

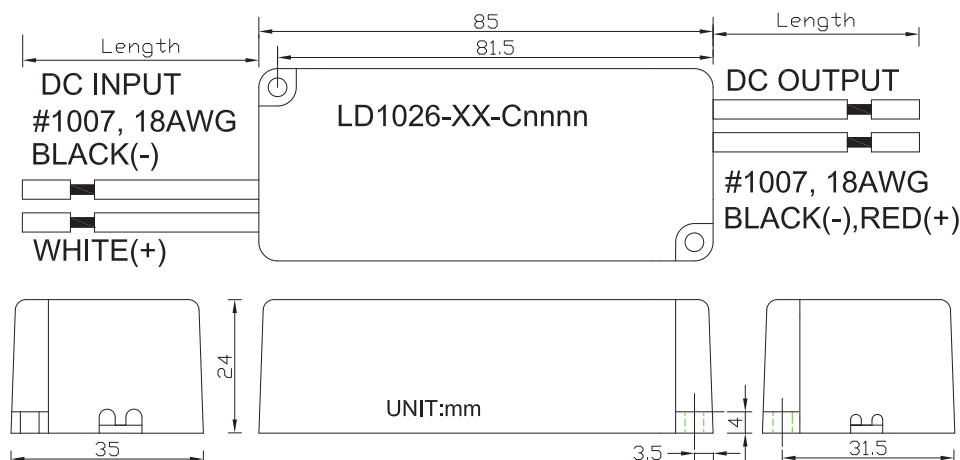
1026 = Single DC Output, 25 Watts Max. **XX** = Voltage Output, 12 = 12V, ..., 72 = 72V

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



Zigbee Controller (Receiver)



Applications

LED Bay Lighting
LED Panel Lighting
LED decorative lighting

cULus FCC CE RoHS REACH

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 locations
Five Years Warranty (Life @ Tc : 80°C 40,000 Hours)

IEEE 802.15.4-2006 specification compliance
Support network topology - Star, Tree, Net.

Certifications

UL8750, cUL, FCC B, 15C,
CE (EN61347-2-13, EN 300 440-2,
EN 301 489-1, EN 301 489-3)

Specifications

AC Input : 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%, Turn on delay time : < 3 Sec.
Leakage Current : < 0.5mA , Surge Immunity : 1KV	Zigbee controller transfer distance : Max.50 meters
No load power consumption < 0.5W at 230VAC	Dimming Source: 30mA Max., Dimming Sink : 15mA Max.
AC Triac Switch Current : 4.55A Max. (100~240Vac) , 3.77A Max. (277Vac)	Zigbee controller connects to PSU : 10 units Max.
Operation Temp. : -25°C ~ +40°C , Tc : 80°C ; Storage Temp. : -40°C ~ +85°C	MTBF(@40°C) : > 50,000 Hours, MIL-217F

Model Information

AZB02-XXXX

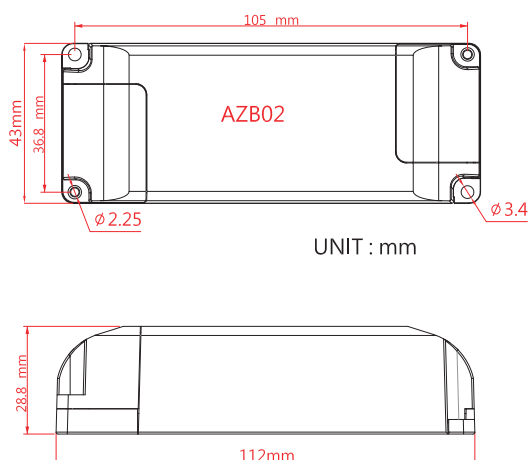
AZB02 = Zigbee control for 0~10V

XX = Output channel , Exp. **U1** (one channel output) , **U2** (Two channel output) , **U3...U4**

YYY = (Optional or blank), function of addition mark

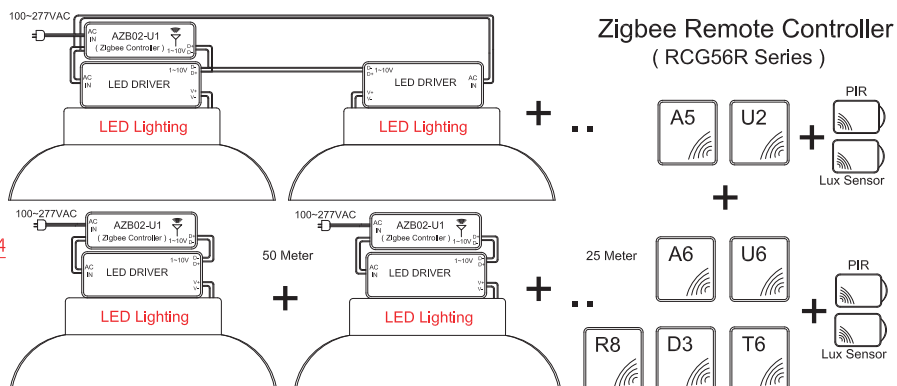
Mechanical Drawing

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



Application Drawing

Note : Zigbee Remote controller specifications please refer to RCG56R series products



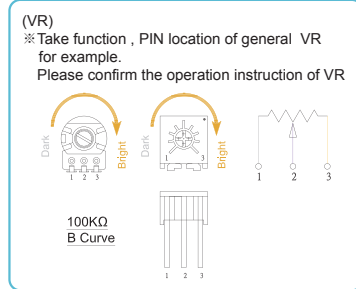
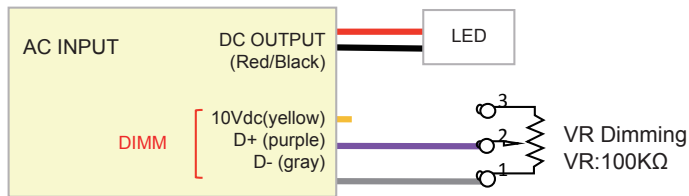
Dimming Instruction- A

For Model : LP1036 (40W), LP1056 (60W), LP1057 (70W), LP1096 (100W), LP1097 (100W),
LF1075 (75W), LF1153 (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

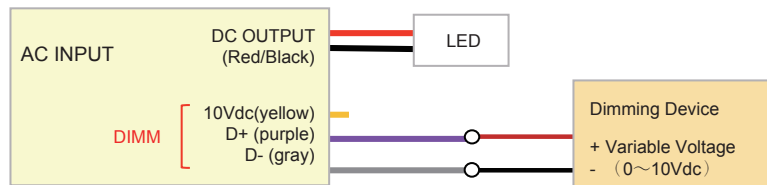
Wiring Diagram



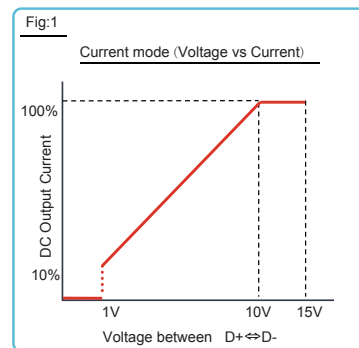
D+ ⇔ D- Voltage (Fig: 1)	< 1V	DC Output : 0% (OFF)
	1V ~ 10V	DC Output : 10% ~ 100%
D+ ⇔ D- Current	0.1 mA CC	100KΩ=10V、10KΩ=1V

② DC 0-10V Dimming Mode

Wiring Diagram

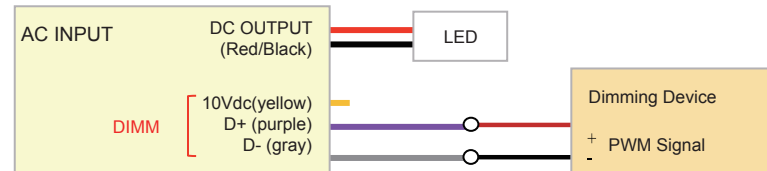


D+ ⇔ D- (Fig: 1)	< 1V	DC Output : 0% (OFF)	
	1V ~ 10V	DC Output : 10% ~ 100%	
	min.	Ty.	max
D+ Input Voltage	0V	10V	15V
Sink Current	-	0.1mA	-

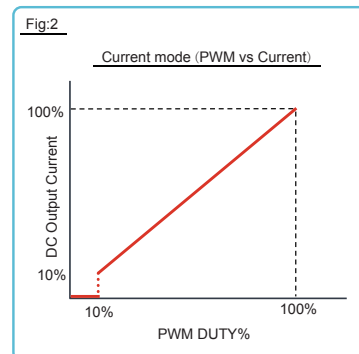


③ PWM Dimming Mode

Wiring Diagram



PWM vs Current Value (Fig: 2)	<10%	DC Output : 0% (OFF)	
	10% ~ 100%	DC Output : 10% ~ 100%	
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 %	0%	-	100%



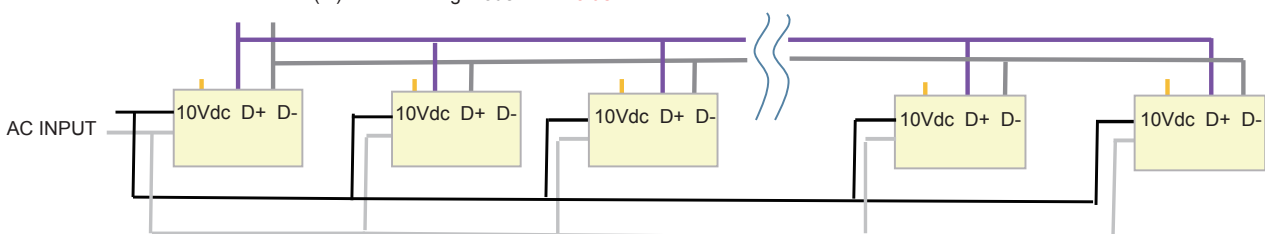
Note: 10Vdc Voltage (Vaux) -- 12V(max. 20mA), Power Supply for IR or PIR etc.

DC 10V yellow wire only for model: LP1036/ LP1056/ LP1096/ LF1075

□ Multiple Models by Dimming Control

· Max. 20PCS

D+ D- (1). VR Dimming Mode: VR Value= R/n



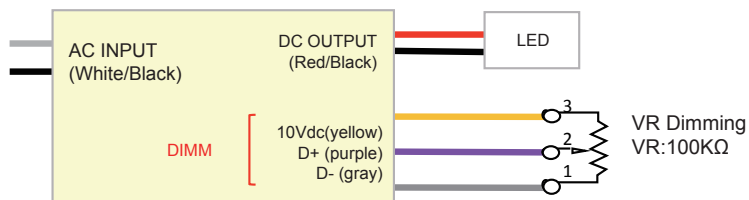
Dimming Instruction- B

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

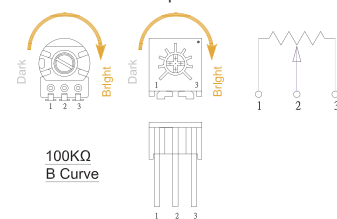
Wiring Diagram



(VR)

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

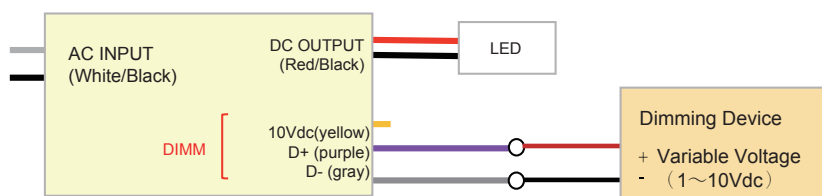
Please confirm the operation instruction of VR



10Vdc Voltage	10V (max. 10mA)	
D+ ⇔ D-Current (Fig: 1& 2)	1V ~ 10V	DC Output : 10% ~ 100%

② DC 1-10V Dimming Mode

Wiring Diagram



D+ ⇔ D-Current (Fig: 1& 2)	1V ~ 10V	DC Output : 10% ~ 100%		
D+ Input Voltage	1V	10V	15V	
Sink Current	-	0.1mA	-	

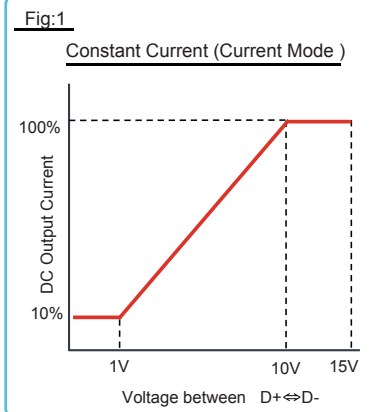


Fig: 1, Dimming Output Curve of Current mode

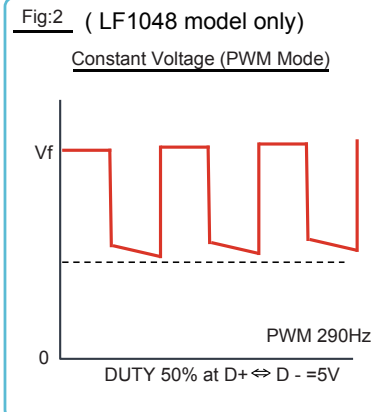
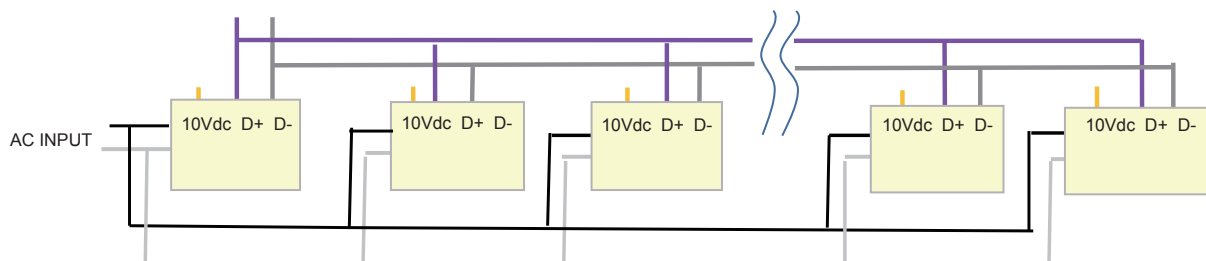


Fig: 2, Dimming waveform of Voltage mode

- Multiple Models by Dimming Control
- Max. 20PCS

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

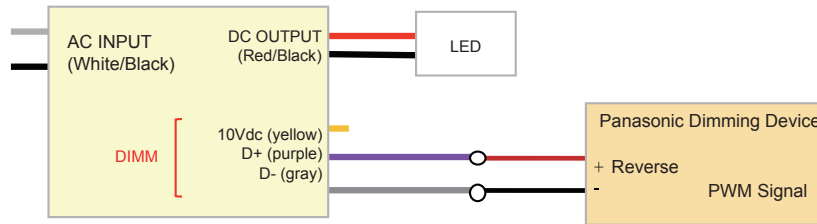


Dimming Instruction- C

For Model: LF1048(53W), 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

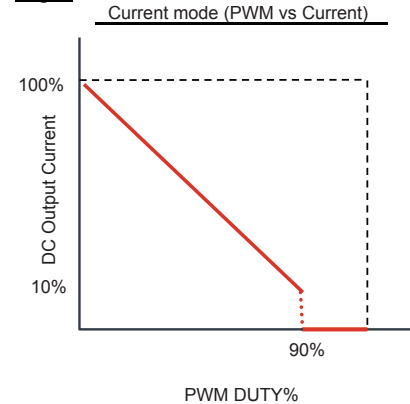
Wiring Diagram



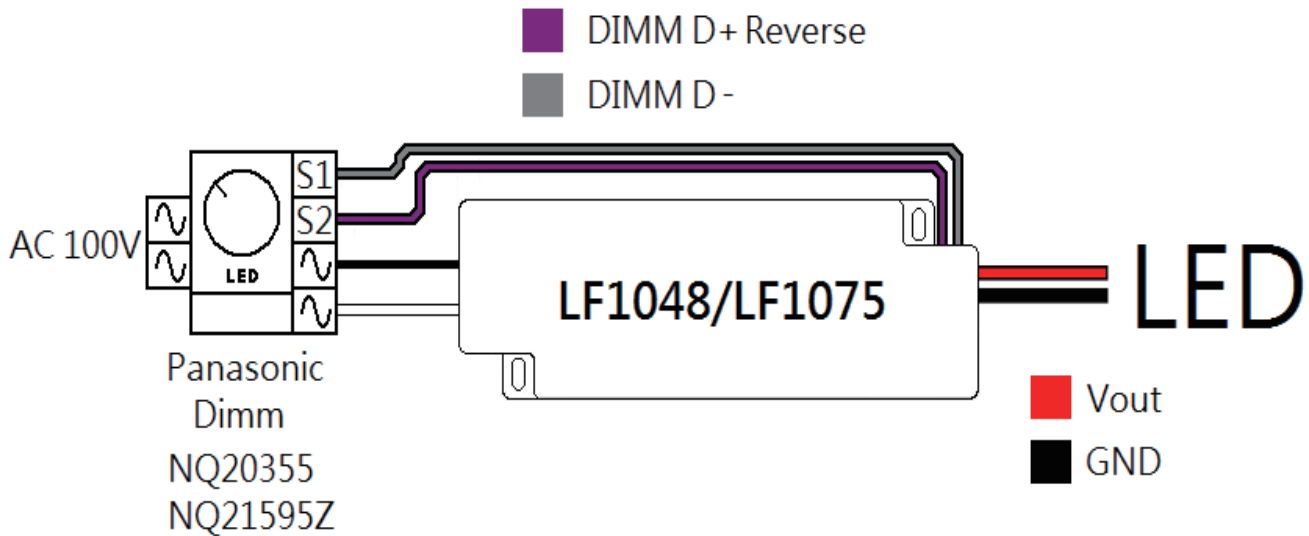
PWM vs Current Value (Fig: 1)	0% ~ 90%	DC Output : 100% ~ 10%
	> 90%	DC Output : 0%
Sink Current		Typical 0.1mA

	min.	Ty.	max
High Signal Level	-	10V	15V
Low Signal Level	-	0V	-
PWM Signal frequency	200Hz	-	5,000Hz
Dimmable Duty %	100%	-	0%

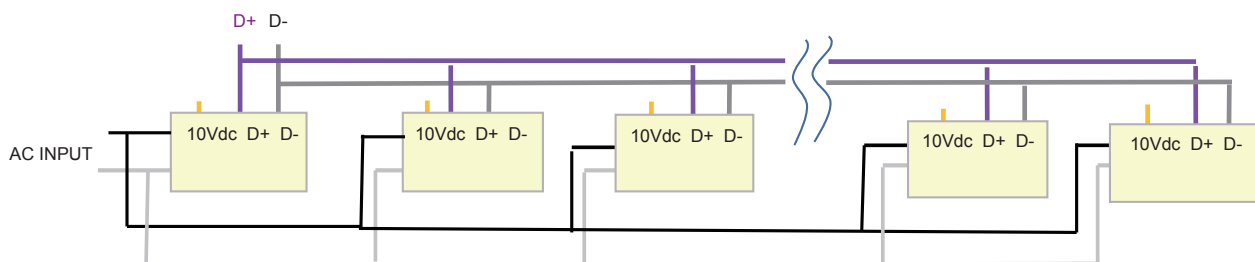
Fig:1



Wiring Diagram



- Multiple Models by Dimming Control
- Max. 20PCS

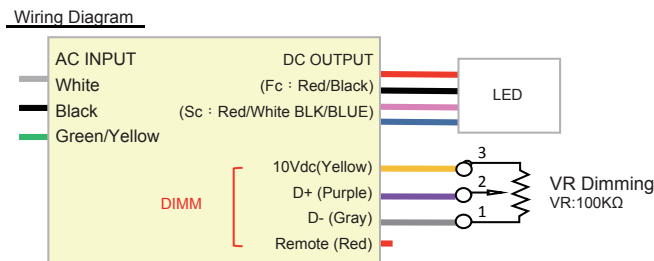


Dimming Instruction- D

For Model: LF2200 (200W)

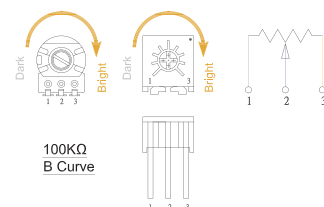
p.s. As for the detail specifications, please refer to the data sheet of the series.

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



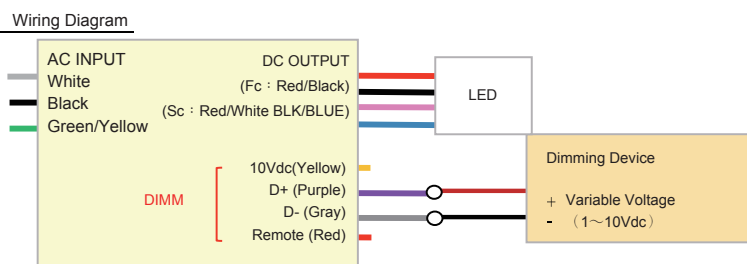
(VR)
※ Take fuction, PIN location of general VR for example.

Please confirm the operation instruction of VR



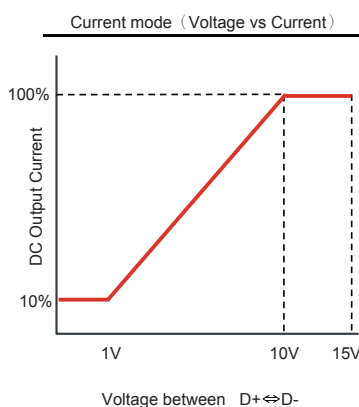
10Vdc Voltage	10V (max. 400mA)	
D+ ⇔ D- Voltage (Fig: 1)	1V ~ 10V	DC Output : 10% ~ 100%

② DC 1-10V Dimming Mode



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



③ Remote ON/OFF

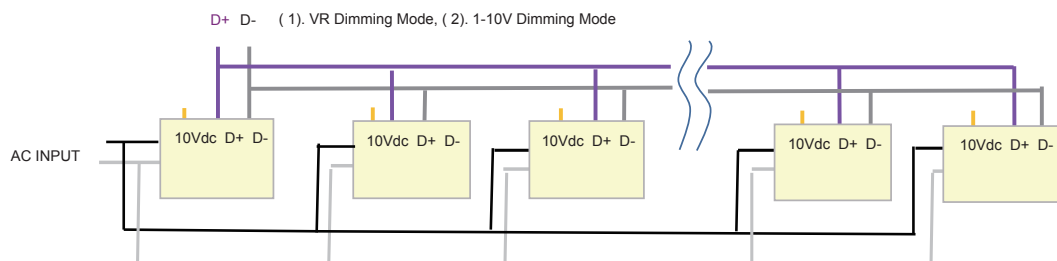
Remote (Red) ⇔ D-(Gray)

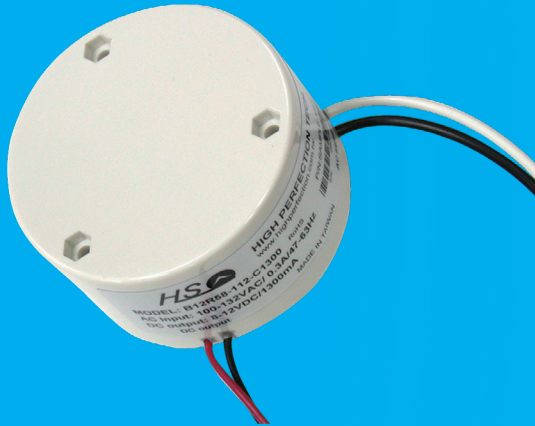
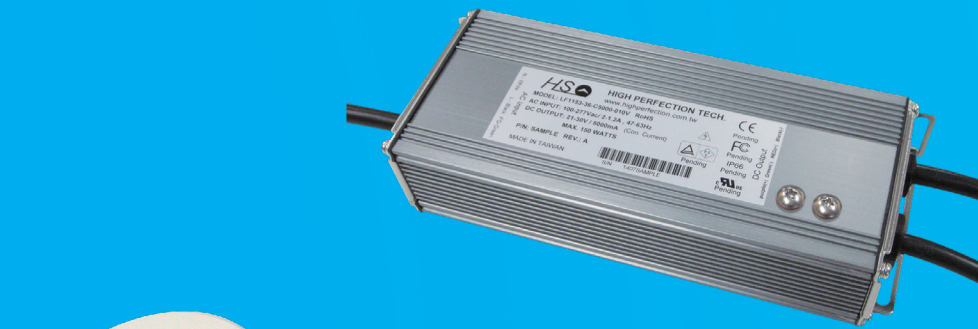
Open	OFF
Short	ON

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



- Multiple Models by Dimming Control
- Max. 20PCS





HIGH PERFECTION TECH.

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