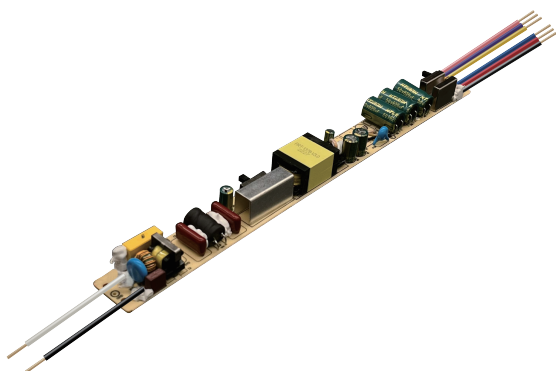


PIBU-01 20-60W

American standard series, 120-277V input, 0-10V dimming
(support Power and color temperature adjustment)



Features & benefits:

- Universal AC Input Voltage
- Linear form factor, Side feed, PP tube
- Isolated 0-10V dimming
- Economic Design
- Suitable for indoor use
- Class 2 output
- Operating temperature: -25°C ~+55°C
- Comply with UL8750

Optional Function

- Aux power & dim to off for flicker free type
- Build in INT or CCT selection switch
- Flicker free

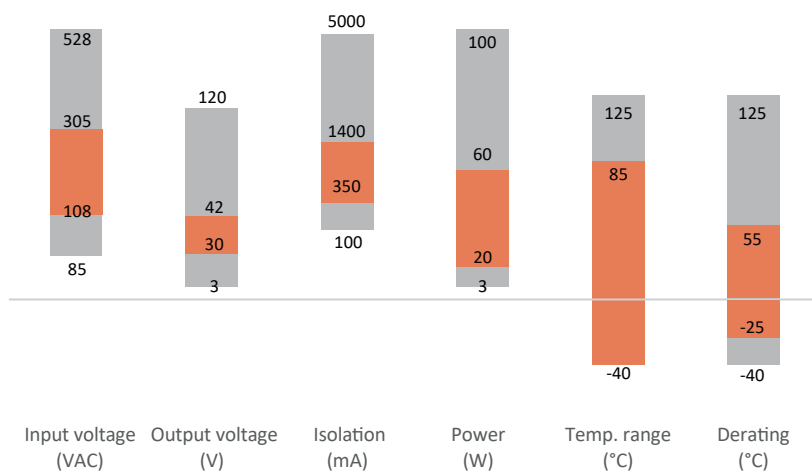


Areas of application

- Indoor lighting
- Office lighting



Summary



Product datasheet

Technical data

Electrical data

Product Modle	Max. Output Power	Input Voltage	Output Current	Output Voltage Range	Power Factor	Size	Certification
PIBU020C0540VSRJ01	21.6W	120-277V	350-540mA	30-42V	0.9/0.95	265*24*20mm	CUL,UL
PIBU030C0800VSRJ01	30W	120-277V	420-800mA	30-42V	0.9/0.95	265*24*20mm	CUL,UL
PIBU040C1050VSRJ01	40W	120-277V	500-1050mA	30-42V	0.9/0.95	265*24*20mm	CUL,UL
PIBU050C1250VSRJ01	50W	120-277V	650-1250mA	30-42V	0.9/0.95	265*24*20mm	CUL,UL
PIBU060C1400VSRJ01	60W	120-277V	700-1400mA	30-42V	0.9/0.95	265*24*20mm	CUL,UL

Technical data

Electrical Specifications

Category	Item	Technical Norm
Input	Rated Input Voltage	120-277VAC
	Range of Input Voltage	108-305VAC
	Frequency	50/60Hz 47-63Hz(120VAC,full load)
	Max. Input Current	PIBU020≤0.22A(120VAC,full load) PIBU030≤0.35A(120VAC,full load) PIBU040≤0.42A(120VAC,full load) PIBU050≤0.54A(120VAC,full load) PIBU060≤0.7A(120VAC,full load)
	Inrush Current	≤75A(277VAC,Cold Start)
	Leakage Current	≤0.75mA(277VAC,60Hz)
	Power Factor	≥0.95(120VAC,full load) ≥0.9(277VAC,full load)
	THD	≤20% (full load)
	Turn On Delay Time	≤0.75S(Cold Start,without dimmer)
	output	Output Current
Current Tolerance		≤5%
Output Voltage		30-42V

Product datasheet

Technical data

Electrical Specifications

	Output Power	PIBU020≤21.6W PIBU030≤30W PIBU040≤40W PIBU050≤50W PIBU060≤60W
	Line Regulation	≤5%
	Load Regulation	≤5%
	Current Ripple	≤10% Output current Full Load, (I _{omax} -I _{omin})/(I _{omax} +I _{omin}), Flicker free
		≤30% Output current Full Load, (I _{omax} -I _{omin})/(I _{omax} +I _{omin}), High ripple
	Output Current Overshoot	≤10%
INT selection	Built-in INT selection switch	3 positions
CCT selection	Build in CCT selection switch	CCT1=Channel 1 on, Channel 2 off CCT2=Channel 1 on, Channel 2 on CCT3=Channel 1 off, Channel 2 on
0~10V Dimming	Dimming Curve	Linear. See "Dimming curve"
	Absolute Maximum Voltage on 0~10V Pin	0-10V
	Source Current on 0~10V Dimming Pin	200-500uA
	Output Current Range	10%-100%, Non dim to off version 0%-100%, Dim to off version, Dim to off at VDIM=0
Auxiliary source 12V	Output Voltage	12Vdc
	Output Current	≤200mA
Protection	Over Voltage Protection	≤55V Auto Recovery
	Short Circuit Protection	Auto Recovery
Environment	Ta/Ambient Operation Temperature	-25....+55°C
	Ts/Storage Temperature	-40....+85°C
	Tc/Max. Case Temperature	90°C
	Ha/Operating Relative Humidity	10%....90%
	Acoustic Noise	≤24dBA
	Humidity	5%....95%RH
	Cooling	Convection Cooling
	IP Rating	Dry and damp UL approved

Product datasheet

Technical data

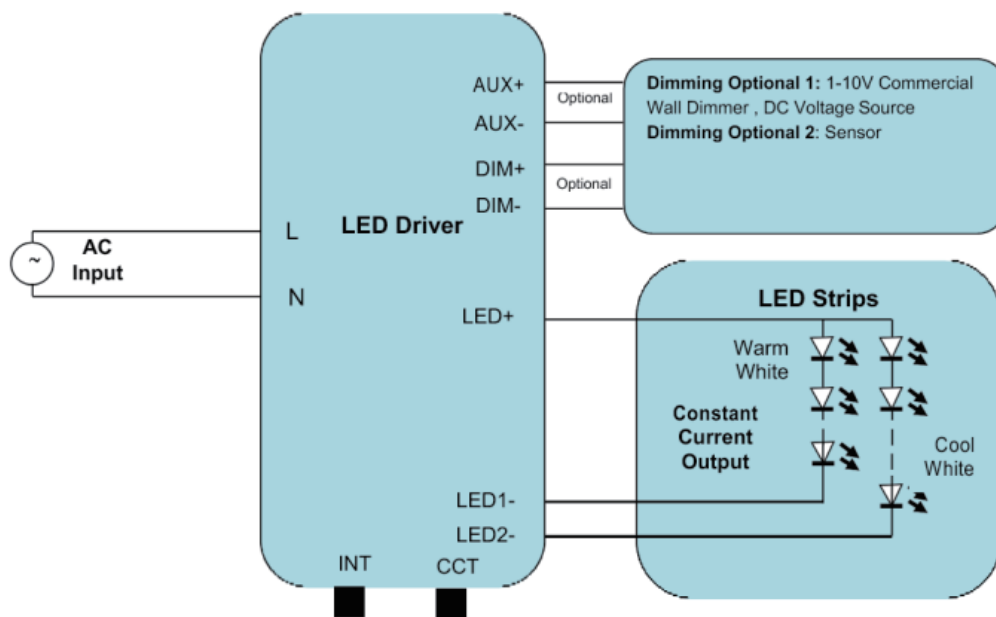
Electrical Specifications

Others	Life Time	≥50kHrs, Full Load, 90 °C Tc , 120VAC	
	MTBF	≥200kHrs, Full Load, 25 °C ambient temperature , 120VAC	
	Net Weight	Pxxx20 120g Pxxx40 142g	
	Warranty	50KHrs Warranty at Tc ≤90°C	
	Flicker	Title 24	
Safety Compliance	CAN/CSA-C22.2 No. 250.13	UL8750, CAN/CSA-C22.2 No. 250.13	
Electromagnetic Compliance	EMI Emissions	FCC Title 47 Part 15B Class B at 120VAC, Class A at 277VAC & 347VAC	
	Voltage Fluctuations and Flicker	IEC61000-3-3	
	Immunity Compliance		IEC 61000-4-2 ±8kV air Discharge, ±6kV Contact Discharge
			IEC 61000-4-5 or ANSI/IEEE C62.41-2002 ± 1kV, test at 2 Ω; 5 strikes/1minute interval (40 total strikes)
			ANSI/IEEE C62.41.1-2002 2.5kV Ring Wave, test at 30Ω 7 Strikes/1 minute interval, Common and Differential mode, 56 total strikes
			IEC 61000-4-11 >95% dip, .5 period; 30% dip, 25 periods; 95% reduction, 250 periods
	IEC 61000-4-4 ± 2kV Direct couple to Line input, 5kHz repetition rate, 15mS duration, 300mS period. 7 coupling paths, 1 minute per path (14 total combinations)		
Remark	Unless otherwise specified, all the above parameters are measured at ambient temperature of 25 °C and rated voltage		

Product datasheet

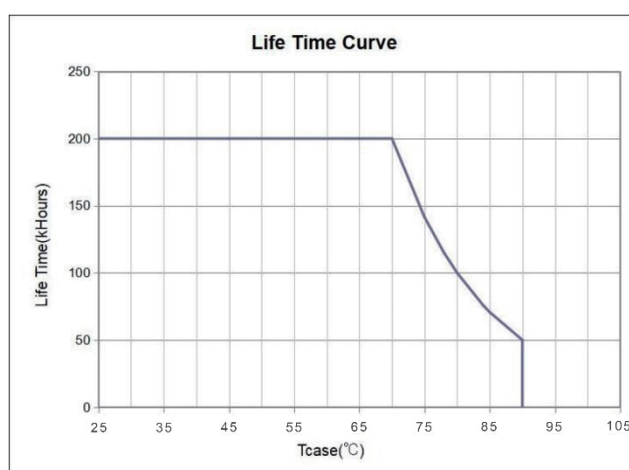
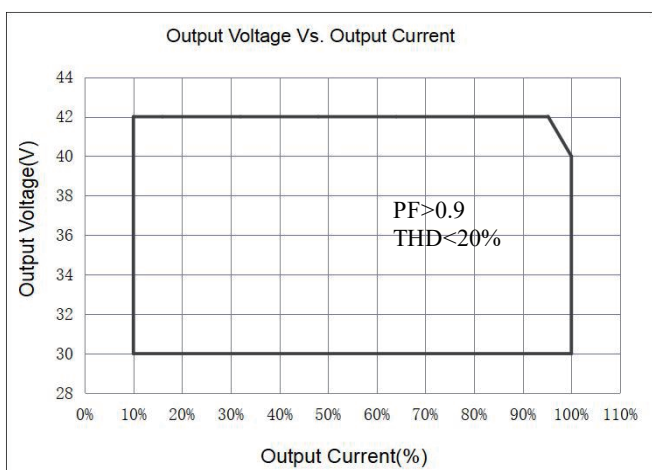
Technical data

Installation



Appearance information

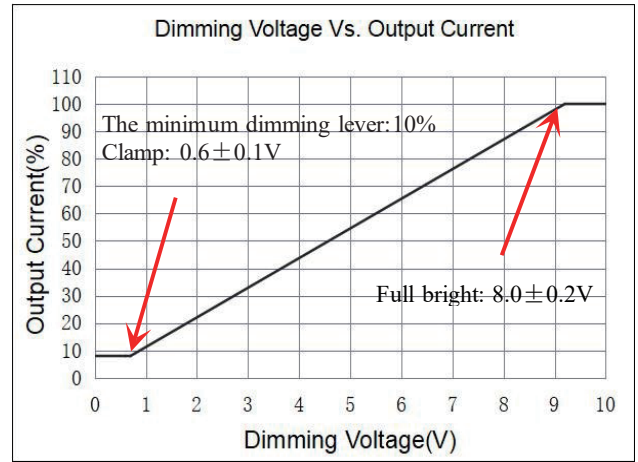
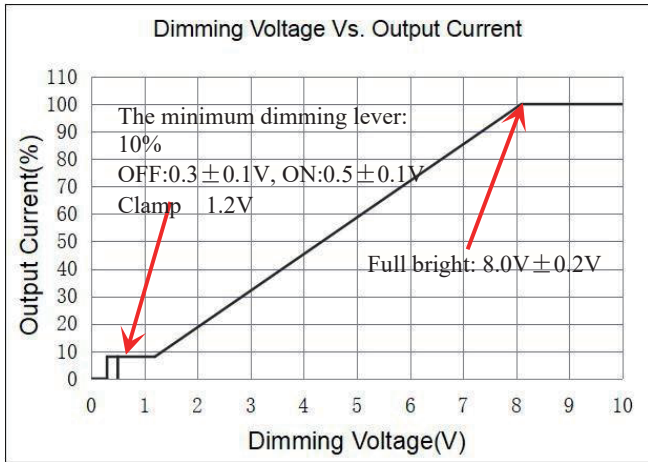
Typical Characteristics Curve



Product datasheet

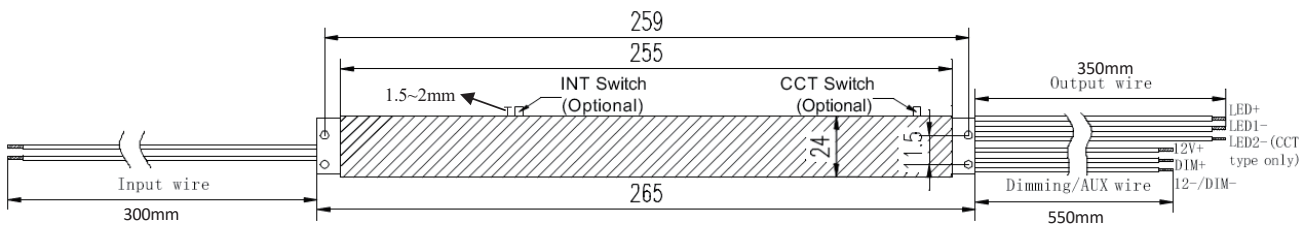
Appearance information

Typical Characteristics Curve



Mechanical Drawing for troffer

Dimensions



Mechanical Drawing for panel light

Dimensions

