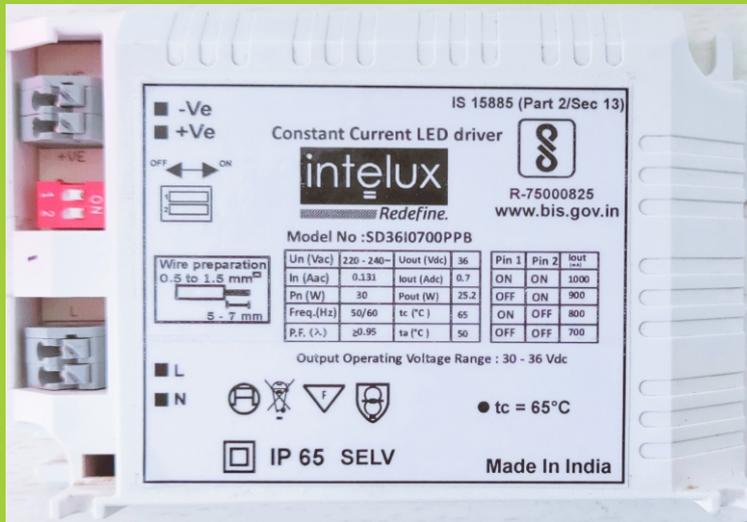


LED Drivers



LED Drivers

Single Driver for Power 20W40W

Product Description

Intelux LED Drivers are being widely used in indoor lighting. Our robust design with high protection level makes it suitable for all indoor lighting applications.

Benefits

- Reduce energy consumption.
- Energy savings through high efficiency
- Improved LED life
- Easy to design-in and install
- Long lifetime
- Low operational cost.
- Complies to EMI/EMC standards *.
- Compact size.

* As per requirement.

Features

- Constant current mode output
- Built-in PFC function
- Wide ambient temperature range
- Over temperature and over load protection.
- Output short-circuit shutdown feature with automatic restart.

Applications

- Offices
- Home
- Shopping mall
- Shops

Technical Parameter

Parameter	Description	Remark
Mains Voltage Supply	Rated Voltage Range	220 - 240 Vac
	Rated Frequency	50.....60 Hz
	Input Voltage Range	150 - 270Vac
	Total Harmonic Dist.(THD)	<10%
Output Data	Output Constant Current Driver	700 - 1000mA **
	Output Current Tolerance	±10%
	Max.Ripple output current (with LED Load)	±30%
	Galvanic Separation to mains input	1.5kV
Input	Supply Voltage	240 Vac
	Power Factor	>0.95 @ Full Load
	Line regulation	±5%
	Efficiency	>86 % @ Full Load
	Typ. power input on stand -by	< 1.5 W
	Starting Time to 100% Luminous	< 1 sec
Protective features	Output Reverse circuit Protection	Provided
	Output short circuit protection	Provided
	Over Temperature Thermal Protection	Provided
	Output Over Load	Provided
Environment condition	Case Temperature	65 °C
	Operating Temperature Range	0°C.... +50 °C
	Storage temperature/humidity	-20°C~+50°C(6 months under the class I environment); 10-90%RH (no condensation)
Safety and norms	Certifications	BIS - (R-7500825)
	Insulation Resistance	I/P-O/P: 500VDC, >2MΩ
	Surge Level	4KV CM & DM
	EMI	Meets conducted emission as per CISPIR 15 ¹⁾
	EMC	Meets as per EN61547 ¹⁾
Connection Terminals	Type	Push In Terminal
	Wire cross section	0.5mm ² - 1.5mm ²
	Wire stripping Length	5 mm - 7 mm
Others	Size (mm)	103 X 66 X 29
	Packing (Weight)	Net weight : 250g ± 5%
	IP Level	IP 20
	Warranty condition	3 years (Max.case temperature must not declared value).

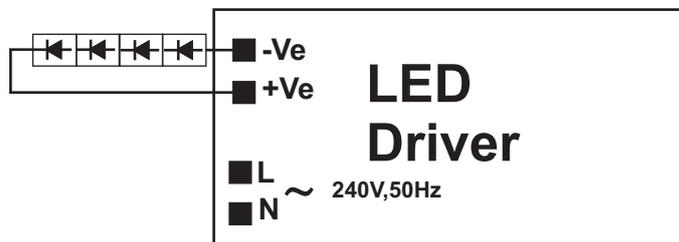
**Switch Position selection.

¹⁾Selected models.

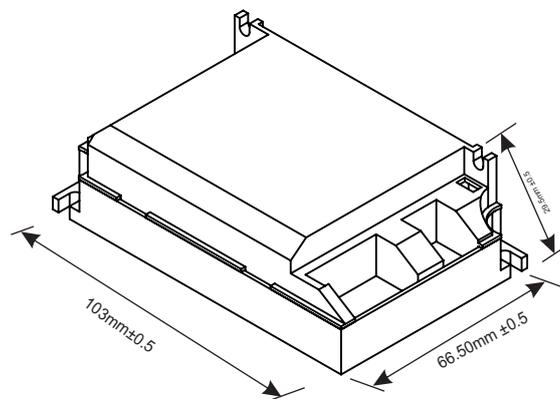
Operating Data

Model Name	Input current	Input power	Power factor	ATHd	Efficiency	Output currents	Output voltage	Total output power
	A	W		%	%	mA	VDC	W
SD27I1000PPB	0.134	31	0.95	<10	≥86	700-1000	27	27
SD28I1000PPB	0.141	33	0.95	<10	≥86	700-1000	28	28
SD30I1000PPB	0.150	35	0.95	<10	≥86	700-1000	30	30
SD36I1000PPB	0.171	40	0.95	<10	≥86	700-1000	36	36

Wiring Diagram



Mechanical Dimension



Logistical data

Specification item	Value
Product name	SD27I01000PPB,SD36I01000PPB
Order code	SD27I01000PPB,SD36I01000PPB
Pieces per box	50



This document contains information relating to the INTELUX Electronic, intended for companies who may be interested in developing their product offering. Note that the information provided is subject to change. INTELUX Electronic does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract.