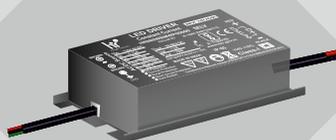


*Delight Solutions*





HR Industry, a company committed to create, design, develop, manufacture and market vast range of LED drivers, was founded by Mr. Harish R. Chauhan in 2012. Having worked for more than a decade in a leading company in the same field gathering experience in the Production, Quality, and R&D division, he embarked on this venture leading a team of more than 300 members of fine professionals, having a strong relationship with associates and the ability to adapt quickly and efficiently, with the vision to always think ahead. In addition to the above core unit manufacturing LED drivers, the company has invested in assembly unit (pick & place machines, the manual insertion setup), Design & Development section to ensure each product withstand most rigorous test, having a reliability room equipped with surge protector, deep freeze, humidity chamber & more to cater our more than 1000 esteemed OEM clients.

"As our company embarks on the exciting journey of exporting goods to the dynamic Asian market, the prosperous Gulf region, and beyond, we are driven by a commitment to global expansion and market diversification. With a strategic focus on understanding and meeting the unique needs of each target market, we are poised to navigate the complexities of international trade with agility and precision. Leveraging our expertise in quality manufacturing, innovation, and customer-centricity, we aim to forge enduring partnerships with distributors and retailers worldwide. By maintaining the highest standards of product excellence, cultural sensitivity, and market intelligence, we are confident in our ability to establish a strong presence in diverse regions, enriching the lives of consumers and contributing to economic growth on a global scale. Our dedication to delivering exceptional value and fostering mutually beneficial relationships underscores our vision of becoming a trusted exporter, empowering communities, and creating lasting impact wherever our goods are received."

Company is located at Sasewadi, Pune-Bangalore Highway, having a total area of 60,000 sq. ft. no wonder the company has a long list of satisfied customers.

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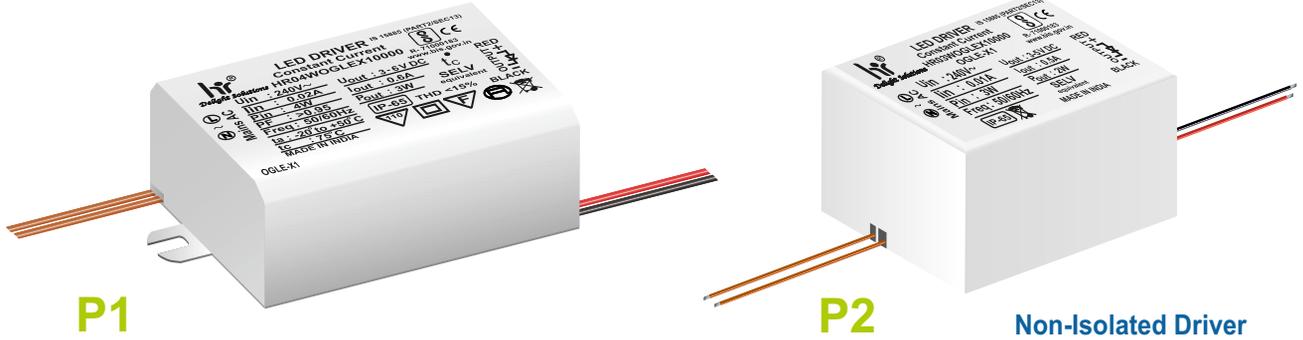
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### OGLE - X1 LED Driver - CC



Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications of Non-Isolated Driver

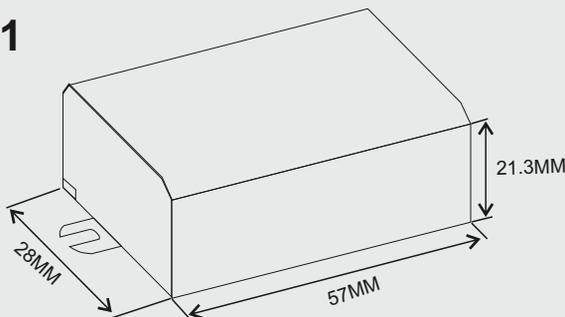
Operating input voltage range : 100-265 Vac; 50/60 Hz;  
 Thermal protection : Yes. 110°C (+/- 10°C )  
 Working temperature (ta) : -20°C to +50°C  
 Case temperature (tc) : +75°C  
 SAFETY standards : IS 15885 ( PART2 / SEC13 )  
 Connections : Wires for Input & Output  
 Dimension (L\*W\*H)(MM) P1 : 57\*28\*21.3  
 P2 : 31\*22\*21

### Technical Specifications of Isolated Driver

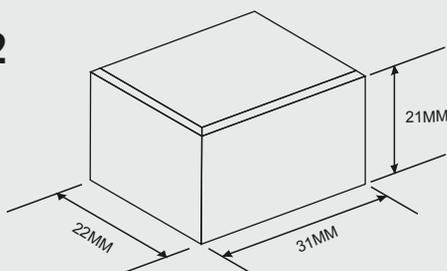
Operating input voltage range : 100-300 Vac; 50/60 Hz;  
 Thermal protection : Yes. 110°C (+/- 10°C )  
 THD : < 10%  
 Efficiency : > 70%  
 PF : > 0.95  
 Standard loss : 0.3 Watt  
 Working temperature (ta) : -20°C to +50°C  
 Case temperature (tc) : +75°C  
 SAFETY standards : IS 15885 ( PART2 / SEC13 )  
 IEC 61347 - 2 - 13; Ed1206 - 5  
 IEC 60950, IS 16104  
 Surge Protection : 2.5Kv (IEC 61000-4-5 for L,N)  
 Dimension (L\*W\*H)(MM) P1 : 57\*28\*21.3  
 CTC : 52MM

### Dimensional Details

**P1**



**P2**



### Features

- Protection : Output Short Circuit, No Load
- IP 20/65 design Universal AC input (up to 300 Vac)/full range
- Class 2 power units / pass LPS
- Cooling by free air convection
- Suitable for dry, damp & wet location
- Suitable for Indoor LED lighting
- 3 Years warranty

### NON-ISOLATED DRIVER

#### Electrical Specifications

##### P1- OGLE - X1( Input 2-18 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	15-25 V	100-400 mA	1W - 16W
02	25-40 V	150-400 mA	1W - 16W
03	60-75 V	100-200 mA	1W - 16W

### ISOLATED DRIVER

#### Electrical Specifications

##### P1- OGLE - X1( Input 1-9 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	2.5-05 V	200-600 mA	1W - 4W
02	05-12 V	500-700 mA	1W - 8W
03	25-40 V	100-200 mA	1W - 8W
04	50-70 V	100-150 mA	1W - 8W
05	12-21 V	200-400 mA	1W - 8W

Note: Lower voltage & higher current efficiency >40%

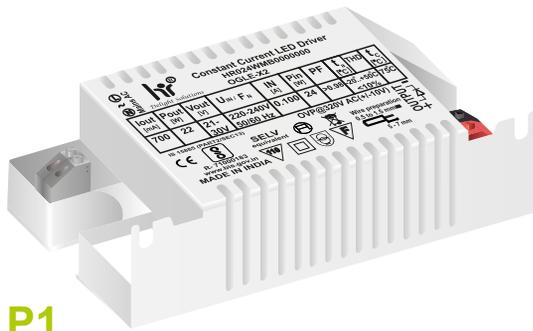
### Non-Isolated Driver Electrical Specifications

##### P2-OGLE - X1( Input 1-4 Watt)

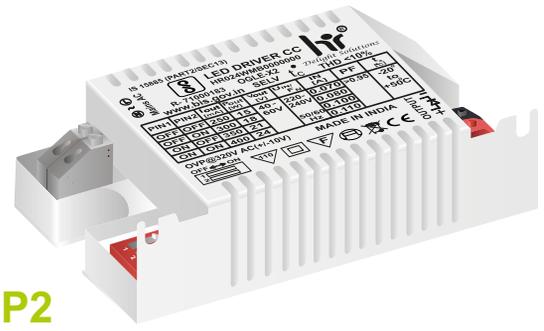
Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	2.5-6 V	200-600 mA	1W - 4W
02	12-20 V	100-200 mA	1W - 4W
03	30-40 V	100-150 mA	1W - 4W

Note: Lower voltage & higher current efficiency >40%

### OGLE - X2 LED Driver - CC



P1



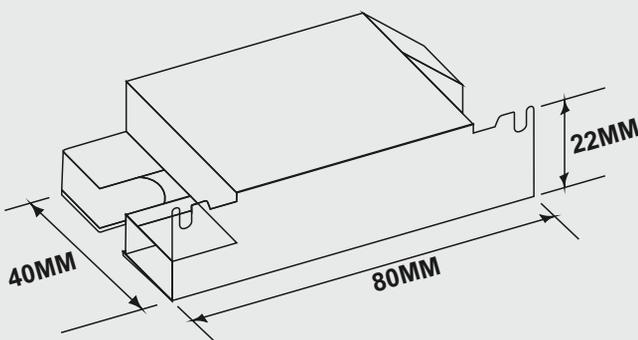
P2

Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage Protection	: 80 Vac
Withstand Voltage	: 440 Vac For 8Hrs
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 85%
PF	: > 0.98
Standard loss	: 0.3 Watt
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +75°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
Dimension (L*W*H)(MM)	: 80*40*22
CTC	: 73MM
Connections	: Connector for Input & Output

### Dimensional Details



### Features

- Protection : Output Short Circuit, No load, Over voltage, Under voltage,
- Built-in active PFC function
- IP 20 design Universal AC input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor LED lighting
- 3/5 Years warranty

### Electrical Specifications

#### P1- OGLE - X2 ( Input 4-27 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	12-24 V	300 -700mA	3W - 17W
02	25-40 V	150-600 mA	3W - 24W
03	40-60 V	200-400 mA	3W - 24W
04	60-80 V	200 -300mA	3W - 24W

### Electrical Specifications

#### P2- OGLE - X2 ( Input 4-27 Watt) With DIP Switch

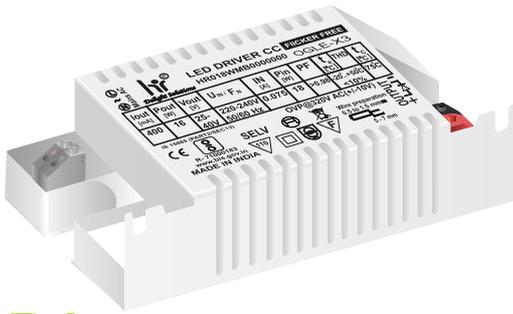
Configuration					Configuration				
PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)
OFF	OFF	150mA	6W	25-40 V	OFF	OFF	300mA	12W	25-40 V
OFF	ON	200mA	8W		OFF	ON	400mA	16W	
ON	OFF	250mA	10W		ON	OFF	500mA	20W	
ON	ON	300mA	12W		ON	ON	600mA	24W	

Configuration					Configuration				
PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)
OFF	OFF	350mA	14W	25-40 V	OFF	OFF	250mA	15W	40-60 V
OFF	ON	400mA	16W		OFF	ON	300mA	18W	
ON	OFF	450mA	18W		ON	OFF	350mA	21W	
ON	ON	500mA	20W		ON	ON	400mA	24W	

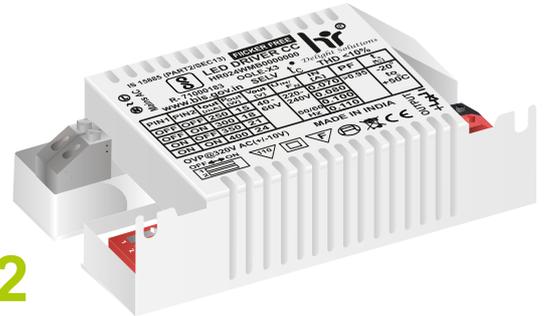
Configuration					Configuration				
PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)
OFF	OFF	150mA	12W	60-80 V	OFF	OFF	500mA	12W	12-24 V
OFF	ON	200mA	16W		OFF	ON	550mA	13W	
ON	OFF	250mA	20W		ON	OFF	600mA	14W	
ON	ON	300mA	24W		ON	ON	650mA	16W	

## 4-24W CC LED DRIVER FLICKER FREE

### OGLE - X3 LED Driver - CC



P1



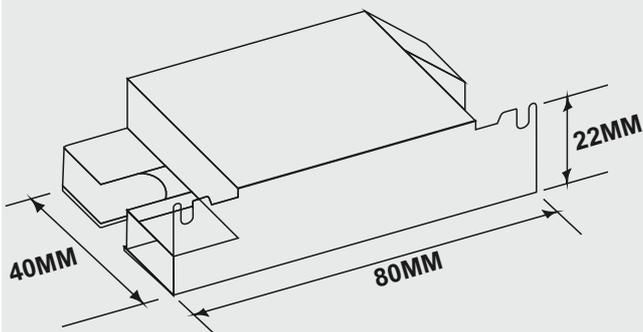
P2

Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage Protection	: 80 Vac
Withstand Voltage	: 440 Vac For 8Hrs
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 75%
PF	: > 0.98
Standard loss	: 0.3 Watt
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +75°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
Dimension (L*W*H)(MM)	: 80*40*22
CTC	: 73MM
Connections	: Connector for Input & Output

### Dimensional Details



### Features

- Protection : Output Short Circuit, No load, Over voltage, Under voltage,
- Built-in active PFC function
- IP 20 design Universal AC input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor LED lighting
- 3/5 Years warranty
- Flicker free

### Electrical Specifications

#### P1- OGLE - X3 Flicker Free ( Input 4-24 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	150-500 mA	3W - 20W
02	40-60 V	200-350 mA	3W - 20W

#### P2- OGLE - X3 Flicker Free( Input 4-22 Watt) With DIP Switch

Configuration					Configuration				
PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)
OFF	OFF	150mA	6W	25-40 V	OFF	OFF	200mA	8W	25-40 V
OFF	ON	200mA	8W		OFF	ON	300mA	12W	
ON	OFF	250mA	10W		ON	OFF	400mA	16W	
ON	ON	300mA	12W		ON	ON	500mA	20W	

Configuration					Configuration				
PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)
OFF	OFF	350mA	14W	25-40 V	OFF	OFF	200mA	12W	40-60 V
OFF	ON	400mA	16W		OFF	ON	250mA	15W	
ON	OFF	450mA	18W		ON	OFF	300mA	18W	
ON	ON	500mA	20W		ON	ON	350mA	20W	

### OGLE - X4 LED Driver - CC



P1



P2

Note: Product Images are for reference only, Screen image change with respect to product specification.

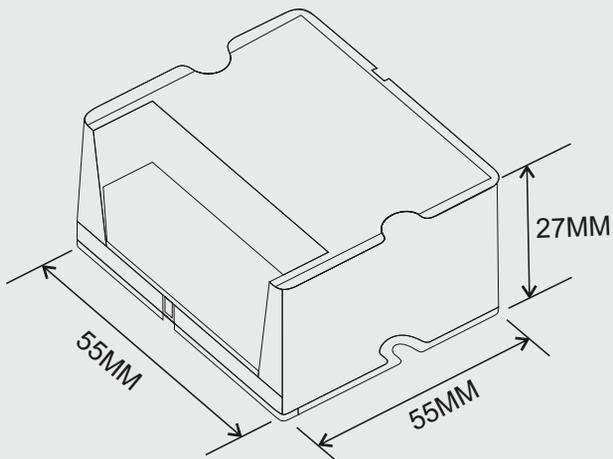
### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage Protection	: 80 Vac
Withstand Voltage	: 440 Vac
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 85%
PF	: > 0.98
Standard loss	: 0.3 Watt
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +75°C

SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
------------------	--

Connections	: Connector for Input & Output
Dimension (L*W*H)(MM)	: 55*55*27
CTC	: 52MM

### Dimensional Details



### Features

- Protection : Output Short Circuit, Over voltage, No load Under voltage,
- Built-in active PFC function
- IP 20 design Universal input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor LED lighting
- 3/5 Years warranty

### Electrical Specifications

#### P1- OGLE - X4 ( Input 4-27 Watt)

Serial Number	Output Voltage		Output Current		Output Wattage	
	Min-	Max	Min-	Max	Min-	Max
01	12-24 V		300 -700mA		3W-17W	
02	25-40 V		150-600 mA		3W-24W	
03	40-60 V		150-400 mA		3W-24W	
04	60-80 V		150-300 mA		3W-24W	

#### P2- OGLE - X4 ( Input 4-27 Watt) With DIP Switch

Configuration					Configuration				
PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)
OFF	OFF	150mA	6W	25-40 V	OFF	OFF	300mA	12W	25-40 V
OFF	ON	200mA	8W		OFF	ON	400mA	16W	
ON	OFF	250mA	10W		ON	OFF	500mA	20W	
ON	ON	300mA	12W		ON	ON	600mA	24W	

Configuration					Configuration				
PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)
OFF	OFF	250mA	15W	40-60 V	OFF	OFF	150mA	12W	60-80 V
OFF	ON	300mA	18W		OFF	ON	200mA	16W	
ON	OFF	350mA	21W		ON	OFF	250mA	20W	
ON	ON	400mA	24W		ON	ON	300mA	24W	

### OGLE - X5 LED Driver - CC



P1



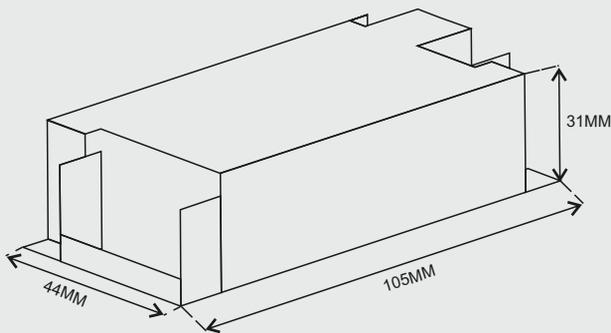
P2

Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 90 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +85°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
Connections	: Connector for Input & Output
Dimension (L*W*H)(MM)	: 105*44*31
CTC	: 105MM

### Dimensional Details



### Features

- Protection : Output Short Circuit, Over voltage, Under voltage, No load
- Built-in active PFC function
- IP 20 design Universal input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor / Outdoor LED lighting
- 3/5 Years warranty

### Electrical Specifications

#### P1- OGLE - X5 ( Input 20-50 Watt)

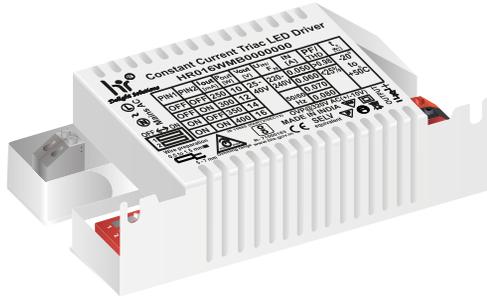
Serial Number	Output Voltage	Output Current	Output Wattage
	Min- Max	Min- Max	Min- Max
01	25-40 V	300-1200 mA	18W-45W
02	40-60 V	300-750 mA	18W-45W
03	60-80 V	200-550 mA	18W-45W

#### P2- OGLE - X5 ( Input 20-50 Watt) With Multi Current

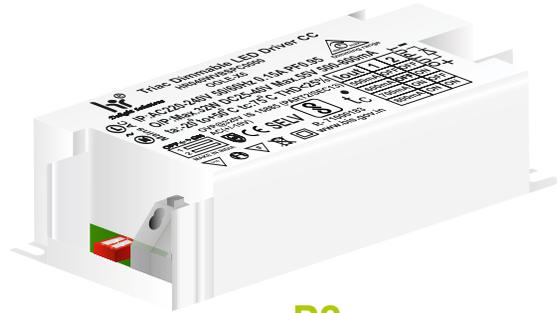
Configuration					Configuration				
PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)
OFF	OFF	900mA	32W	25-36 V	OFF	OFF	500mA	20W	25-40 V
OFF	ON	1000mA	36W		OFF	ON	600mA	24W	
ON	OFF	1100mA	40W		ON	OFF	700mA	28W	
ON	ON	1200mA	43W		ON	ON	800mA	32W	

Configuration					Configuration				
PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)
OFF	OFF	400mA	24W	40-60 V	OFF	OFF	250mA	20W	60-80 V
OFF	ON	500mA	30W		OFF	ON	350mA	28W	
ON	OFF	600mA	36W		ON	OFF	450mA	36W	
ON	ON	700mA	42W		ON	ON	550mA	45W	

### OGLE - X6 LED Driver - CC



P1



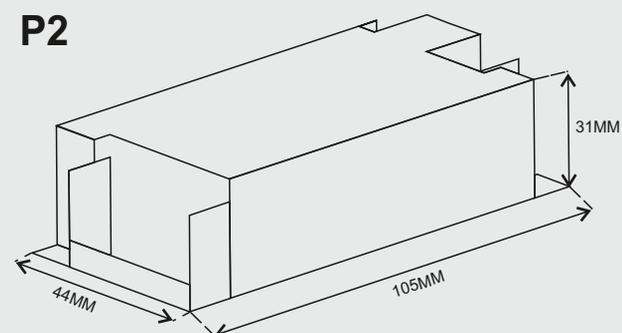
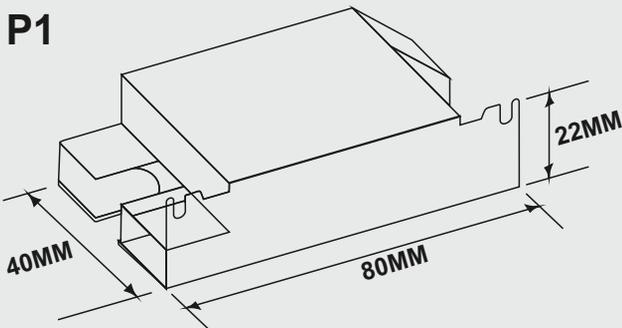
P2

Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range :	100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 25%
Efficiency	: >80%
PF	: > 0.95
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +75°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
Connections	: Connector for Input & Output
Dimension (L*W*H)(MM)	P1 : 80*40*22 CTC : 73MM P2 : 105*44*31 CTC : 105MM

### Dimensional Details



### Features

- Protection : Output Short Circuit, Over voltage, No load
- Built-in active PFC function
- IP 20 design Universal input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor LED lighting
- 3/5 Years warranty

Dimming Type	: Phase cut (Triac dimming)
Dimming technique	: Amplitude
Dimming range	: 5% to 100%
Lowest Dimming current	: 7%

### Electrical Specifications

#### P1- OGLE - X6 ( Input 8-18 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	200-350 mA	7W - 16W
02	40-60 V	200-250 mA	7W - 16W
03	60-80 V	150 -200mA	7W - 16W

#### P1- OGLE - X6 (Input 8-18 Watt) Multi Current

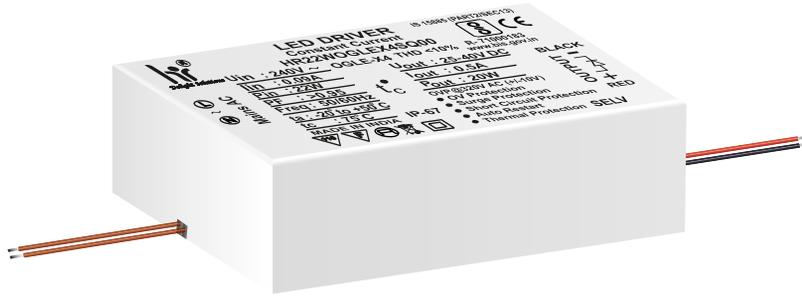
Configuration					Configuration				
PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)
OFF	OFF	200mA	8W	25-40 V	OFF	OFF	150mA	8W	40-55 V
OFF	ON	250mA	10W		OFF	ON	200mA	11W	
ON	OFF	300mA	12W		ON	OFF	250mA	14W	
ON	ON	350mA	14W		ON	ON	300mA	16W	

#### P2- OGLE- X6 (Input 20-40 watt) With DIP Switch

Configuration					Configuration				
PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)
OFF	OFF	500mA	20W	25-40 V	OFF	OFF	700mA	25W	25-36 V
OFF	ON	600mA	24W		OFF	ON	800mA	29W	
ON	OFF	700mA	28W		ON	OFF	900mA	32W	
ON	ON	800mA	32W		ON	ON	1000mA	36W	

Note P2-Available in 40-60 V and 60-80 V

### OGLE - X7 LED Driver - CC

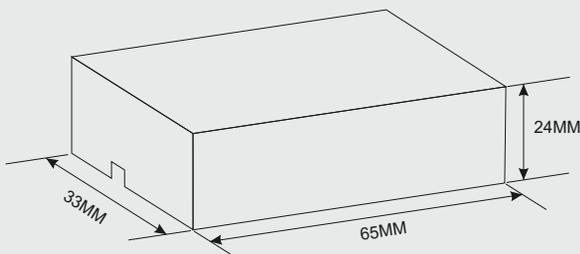


Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 80 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 86%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +75°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
Connections	: Wires for Input & Output
Dimension (L*W*H)(MM)	: 65*33*24

### Dimensional Details



### Features

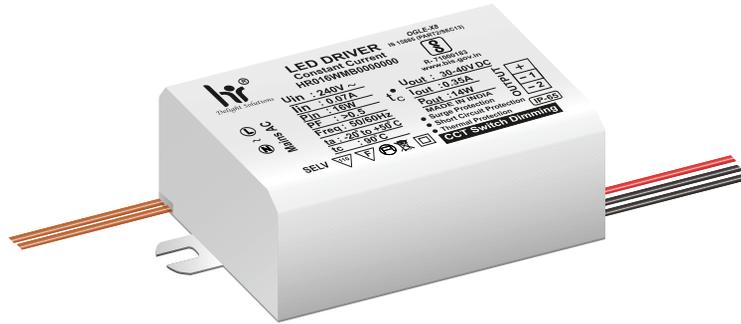
- Protection : Output Short Circuit, Over voltage, Under voltage, No load
- Built-in active PFC function
- IP 65 design Universal input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class 2 power units / pass LPS
- Suitable for Indoor/Outdoor LED lighting
- 3/5 Years warranty

### Electrical Specifications

#### OGLE - X7 ( Input 4-27 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	12-24 V	300 -700mA	4W - 17W
02	25-40 V	150-600 mA	4W - 24W
03	40-60 V	200-400 mA	4W - 24W
04	60-80 V	200 -300mA	4W - 24W

### OGLE - X8 LED Driver - CC



Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 90-300 Vac; 50/60 Hz
Load / Line Regulation	: +/-3%
Efficiency	: > 85%
PF	: > 0.45
Over Temp. Protection	: 125°C ±10°C
Operating thermal temp. (tc)	: 75°C
Operating temp. Range(ta)	: -30 to 50°C
SAFETY standards	: IS 15885(Part2/Sec/13) IEC 61347-2-13
Connections	: Wire for INPUT & OUTPUT
Dimension (L*W*H)(MM)	: 57*28*21.3
CTC	: 52MM

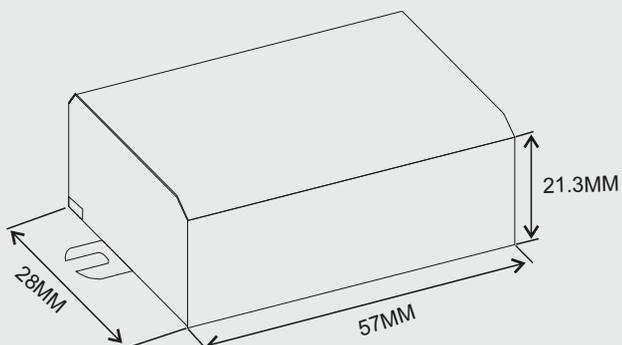
### Features

- Protection: Short Circuit, No Load ,Over Temperature
- IP20 Design Universal AC Input(Up to 300Vac)
- Meet 1kV Surge Immunity Level (IEC61000-4-5)
- Suitable for Indoor LED Lighting
- 3 Years Warranty

### Special Features

- LED Panel Colors can be changed with the flip of the electric switch. Colours can be set as per desired Cool White or Warm White or Natural White.

### Dimensional Details



### Electrical Specifications

#### OGLE - X8 ( Input 5-15 Watt (CCT SWITCH DIMMABLE))

Serial Number	Output Voltage	Output Current	Output Wattage
	Min- Max	Min- Max	Min- Max
01	30-50 V	200-300 mA	4W - 13W
02	50-80 V	100-200 mA	4W - 13W

### OGLE - X9 LED Driver - CC



RF-2.4G

Note: Product Images are for reference only, Screen image change with respect to product specification.

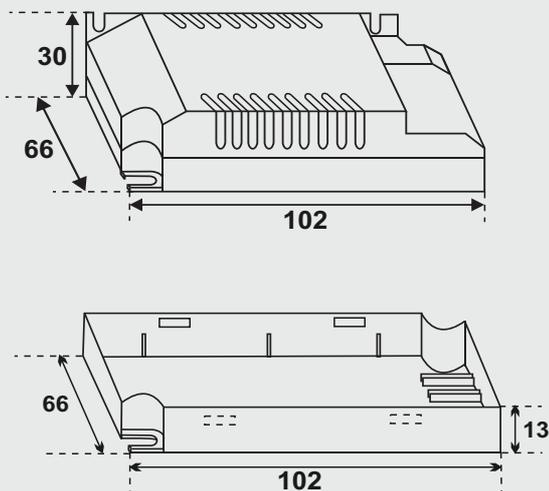
### Technical Specifications

Voltage (Un)	: 240 Vac
Operating Voltage Range	: 110 ~300Vac
Frequency (Hz)	: 50 / 60 Hz
Power Factor @Full Load(PF)	: > 0.95
THD @Full Load	: <10%
Efficiency	: >85%
Over Voltage Cutoff	: 320V (Tole - +/-10V)
Automatic Restart	: 300V
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20 °C to +50 °C
Case temperature (tc)	: +85°C
Dimension (L*W*H)(MM)	: 102*66*30
CTC	: 101MM

### Features

- Protection : Output Short Circuit, Over Voltage, No Load
- Wireless Dimming and CCT tuning by RF-2.4G Remote Controllers
- No need to install or attach other controllers
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Groups control: 100 groups individually
- 4 Step dimming and CCT adjusting
- Step-less dimming and CCT Adjusting
- 3/5 years warranty
- Available with Wi-Fi module IOT connectivity with HRI IOS/Android mobile application
- Two channels output, common anode

### Dimensional Details

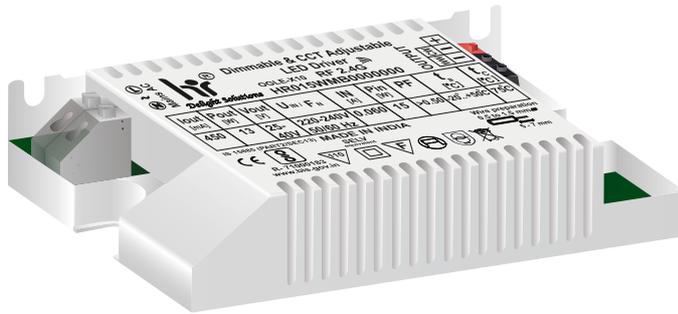


### Electrical Specifications

#### OGLE - X9 ( Input 30-50 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	600-1200 mA	25W - 45W
02	40-55 V	400-800 mA	25W - 45W

### OGLE - X10 LED Driver - CC



Bluetooth



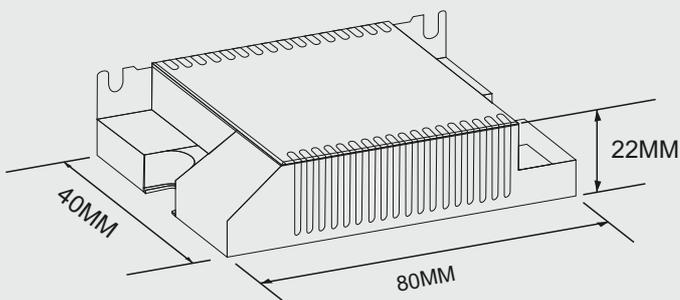
RF-2.4G

Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Voltage (Un)	: 240 Vac
Operating Voltage Range	: 180-265VAc
Frequency (Hz)	: 50 / 60 Hz
Maximum Input Current	: 0.08A
Input Power (W)	: 18W
Power Factor @Full Load(PF)	: > 0.5
Efficiency	: >75%
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +75°C
Dimension (L*W*H)(MM)	: 80*40*22
CTC	: 73MM

### Dimensional Details



### Features

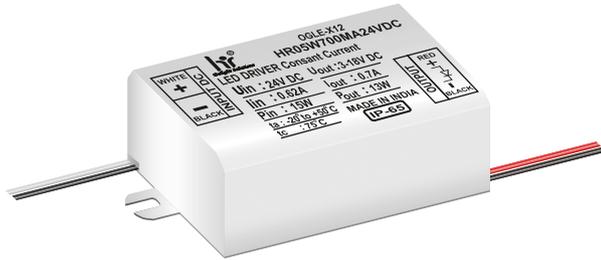
- Protection : Output Short Circuit, No Load
- Wireless Dimming and CCT tuning by RF-2.4G Remote Controllers
- No need to install or attach other controllers
- Meet 2.5 KV surge immunity level ( IEC61000- 4-5 )
- Groups control: 100 groups individually
- 4 Step dimming and CCT adjusting  
Step-less dimming and CCT Adjusting
- 3 years warranty
- RF-2.4G Remote Controllers + Bluetooth

### Electrical Specifications

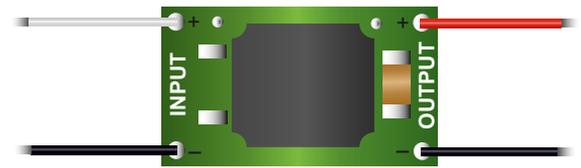
#### OGLE - X10 ( Input 7-18 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	30-40 V	150-450 mA	6W - 15W

### OGLE - X12 LED Driver



**P1**



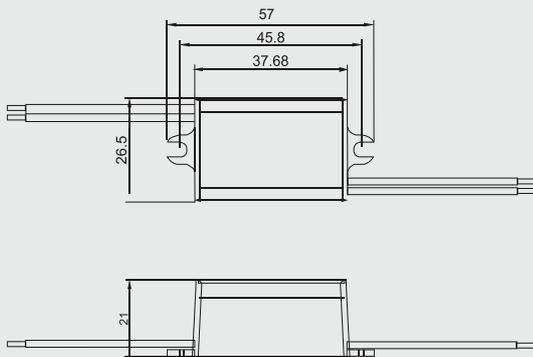
**P2** Size : 17\*11\*7 MM

Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Voltage (Un)	: 12V/24Vdc
Operating input voltage range	: 10 - 30Vdc
Minimum Starting Temp. (ta)	: -20°C to +50°C
Maximum ambient Temp. (tc)	: +75°C
Connections	: Wires for Input & Output
Dimension (L*W*H)(MM)	P1 : 57*28*21.3 CTC : 52MM

### Dimensional Details



### Features

- Protection : Short Circuit, No load
- Thermal Protection
- Operates in buck topology
- IP20/65 Design DC Input Up to 30Vdc
- Suitable for Indoor/Outdoor LED Application
- 3/5 Years warranty

### Electrical Specifications

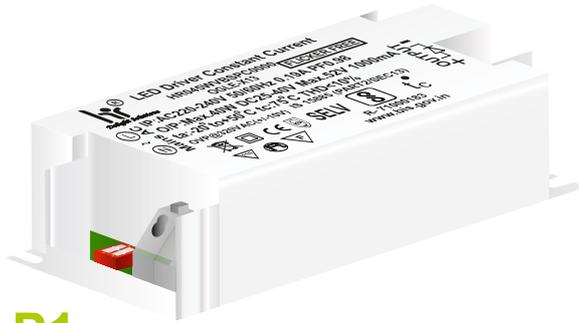
#### P1- OGLE - X12 DC-DC ( Input 4-15 Watt)

Serial Number	Output Voltage	Output Current	Output Wattage
	Min- Max	Min- Max	Min- Max
01	3-18 V	200-700 mA	3W - 13W

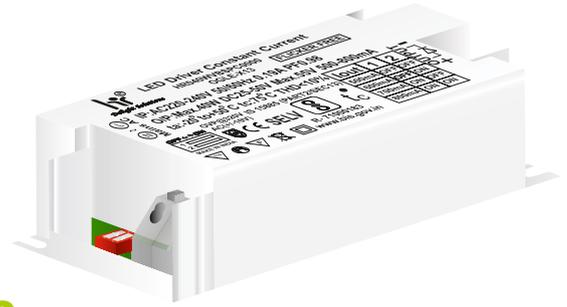
#### P-2 OGLE - X12 DC-DC Open Driver ( Input 1-6 Watt)

Serial Number	Output Voltage	Output Current	Output Wattage
	Min- Max	Min- Max	Min- Max
01	3-9 V	100-600 mA	1W - 5W

### OGLE - X13 LED Driver - CC



P1



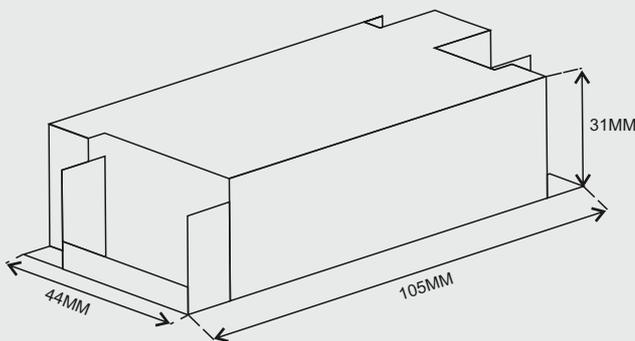
P2

Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage protection	: Yes. 90 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 85%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +75°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
Connections	: Connector for Input & Output
Dimension (L*W*H)(MM)	: 105*44*31
CTC	: 105MM

### Dimensional Details



### Features

- Protection : Output Short Circuit, Over voltage, Under voltage, No load
- Built-in active PFC function
- IP 20 design Universal input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor / Outdoor LED lighting
- 3/5 Years warranty
- Flicker Free

### Electrical Specifications

#### P1- OGLE - X13 ( Input 20-45 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	500-1200 mA	18W-45W
02	40-60 V	300-750 mA	18W-45W
03	60-80 V	250-550 mA	18W-45W

#### P2- OGLE - X13 ( Input 20-50 Watt) With Multi Current

Configuration					Configuration				
PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)
OFF	OFF	850mA	30W	25-36 V	OFF	OFF	500mA	20W	25-40 V
OFF	ON	900mA	33W		OFF	ON	600mA	24W	
ON	OFF	1000mA	36W		ON	OFF	700mA	28W	
ON	ON	1050mA	38W		ON	ON	800mA	32W	

Configuration					Configuration				
PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)
OFF	OFF	450mA	27W	40-60 V	OFF	OFF	350mA	28W	60-80 V
OFF	ON	500mA	30W		OFF	ON	400mA	32W	
ON	OFF	600mA	36W		ON	OFF	450mA	36W	
ON	ON	650mA	40W		ON	ON	500mA	40W	



P1



P2

Note: Product Images are for reference only, Screen image change with respect to product specification.

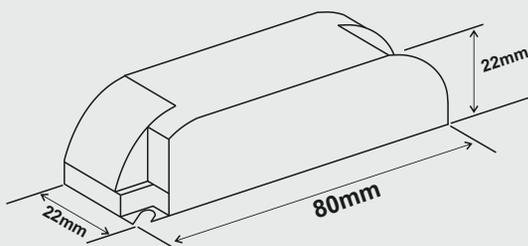
### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage Protection	: 80 Vac
Withstand Voltage	: 440 Vac For 2Hrs
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 82%
PF	: > 0.98
Standard loss	: 0.3 Watt
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +75°C
SAFETY standards	: IS 15885 (PART2/SEC13),
Dimension (L*W*H)(MM)	: 80*22*22
CTC	: 75MM
Connections	: Connector for Input & Output

### Low PF & High THD Technical Specifications

Operating input voltage range	: 100-265 Vac; 50/60 Hz
Over load protection	: Yes
Withstand Voltage	: 320 Vac for 4Hrs
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 60%
Efficiency	: ≥ 83%
PF	: > 0.85
Standard loss	: 0.3 Watt
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +75°C
SAFETY standards	: IS 15885 (PART2/SEC13),
Dimension (L*W*H)(MM) P1	: 80*22*22
CTC	: 75MM
Connections	: Connector for Input & Output

### Dimensional Details



### Features

- Protection : Output Short Circuit, No load, Over voltage, Under voltage,
- Built-in active PFC function
- IP 20 design Universal AC input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor LED lighting
- 3 Years warranty

### Electrical Specifications

#### OGLE - X14 P1 ( Input 4-15 Watt)

Serial Number	Output Voltage	Output Current	Output Wattage
	Min- Max	Min- Max	Min- Max
01	25-40 V	150-350 mA	3W - 14W
02	40-54 V	150-250 mA	3W - 14W
03	50-70 V	100-200 mA	3W - 14W

#### OGLE - X14 P2 Low PF With Flicker Free ( Input 4-15 Watt)

Serial Number	Output Voltage	Output Current	Output Wattage
	Min- Max	Min- Max	Min- Max
01	25-40 V	150-300 mA	3W - 12W

### POLLUX - X1 LED Driver - CC



P1



P2

Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 90 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +95°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13
Connections	: Wire for Input & Output
Dimension (L*W*H)(MM)	:
Plastic Body	: 101*46*30
Metal Body	: 105*49*30
Aluminium Body	: 115*50*37



P3

### Features

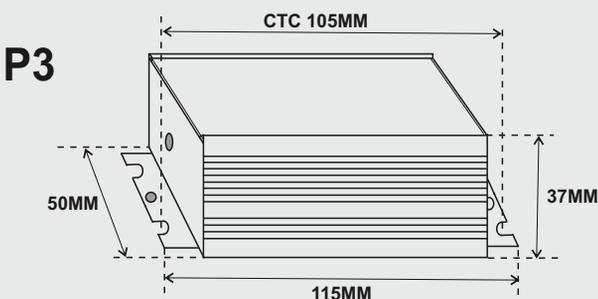
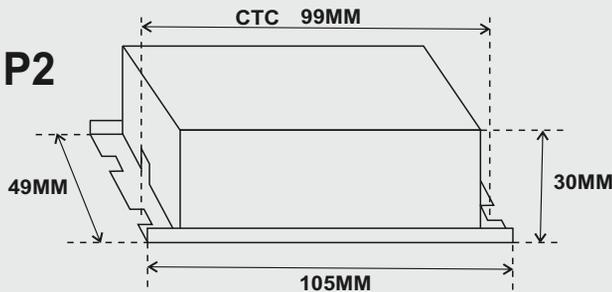
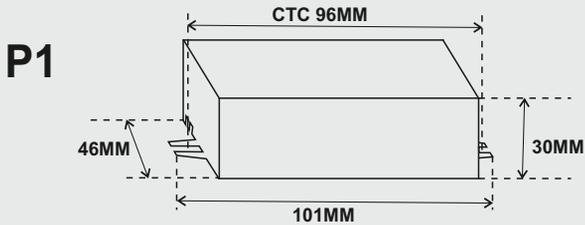
- Protection : Output Short Circuit, Over Voltage, Under Voltage, No load
- Built-in active PFC function
- IP20/65 design Universal AC input (up to 300 Vac)/Full range
- Class 1/2 power units / pass LPS
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Suitable for Indoor/Outdoor LED Lighting
- 3/5 Years warranty
- **Optional Available:** Flicker Free, EMI\EMC, 1-10V dimming, Radar Sensor dimming 30%-100%.

### Electrical Specifications

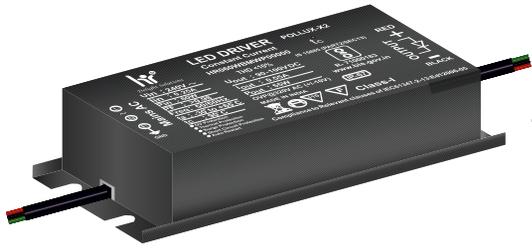
#### POLLUX - X1 ( Input 20-60 Watt)

01	25-36 V	500-1500mA	18W-55W
02	25-40 V	500-1350mA	18W-55W
03	40-60 V	400-900mA	18W-55W
04	60-80 V	300-700mA	18W-55W
05	80-100 V	200-550mA	18W-55W
06	100-120 V	100-450mA	18W-55W

### Dimensional Details



### POLLUX - X2 LED Driver - CC



P1



P2

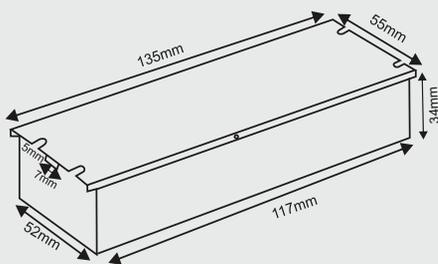
Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 110 -300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 110 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +95°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13
Connections	: Wire for Input & Output
Dimension (L*W*H)(MM)	<b>P1</b> : 135*55*34 CTC : 122MM <b>P2</b> : 145*55*38 CTC : 135MM

### Dimensional Details

P1



P2



### Features

- Protection : Output Short Circuit, Over Voltage, Under voltage
- Built-in active PFC function
- IP65 design Universal AC input (up to 300 Vac)
- Meet 6 KV surge immunity level ( IEC61000- 4-5 )
- Class I power units / pass LPS
- Suitable for Indoor/Outdoor LED Lighting
- 3/5 Years warranty
- **Optional Available:** Flicker Free, EMI/EMC, 1-10V dimming, Radar Sensor Dimming 30% & 100%, 5 Step dimming, 3 Step switch dimming.

### Electrical Specifications

#### POLLUX - X2 ( Input 50-100 Watt)

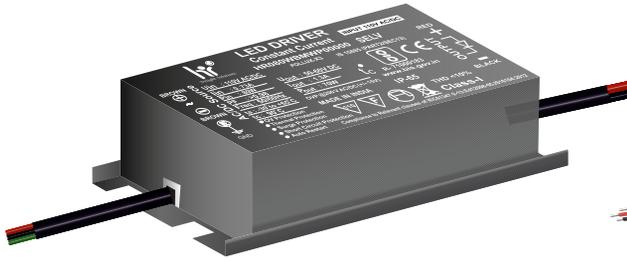
Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40V	1000-1500 mA	40W - 55W
02	40-60 V	700-1000 mA	40W - 55W
03	60-80 V	600-900 mA	40W - 65W
04	80-100 V	500-800 mA	40W - 60W
05	80-100 V	500-800 mA	40W - 70W
06	100-120 V	350-800 mA	40W - 60W
07	120-144V	350-700 mA	40W - 90W

# POLLUX - X3

## SPECIALLY DESIGNED FOR RAILWAY

### 110VAC/DC 40-80W CC LED DRIVER

POLLUX - X3  
LED Driver - CC



P1



P2

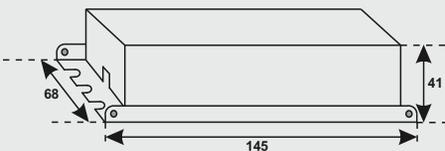
Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

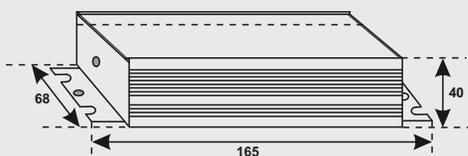
Operating input voltage range	: 95 -140Vac/dc; 50/60 Hz
Working input voltage	: 110Vac ; 50/60 Hz/ 110Vdc
Over voltage protection	: Yes. 200 Vac ( +/- 20 V )
Under voltage protection	: Yes. 60 Vac ( +/- 20 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 85% For AC supply
PF	: > 0.95
Standard loss	: 0.3 Watt
Withstand Voltage	: 250 Vac/dc for 2 minutes
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +95°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13
Connections	: Wire for Input & Output
Dimension (L*W*H)(MM)	:
Plastic Body	: 145*68*41 (MS body)
CTC	: 140MM
Metal Body	: 165*68*40 (Aluminium body)
CTC	: 156MM

### Dimensional Details

P1



P2



### Features

- Protection : Output Short Circuit, Over Voltage, Under Voltage, No load
- Built-in active PFC function
- IP20/65 design AC input (110Vac / 110Vdc)
- Class I/2 power units / pass LPS
- Meet 5 KV surge immunity level ( IEC61000- 4-5 )
- Suitable for Indoor/Outdoor LED Lighting
- 3/5 Years warranty
- Reverse polarity protection

### Electrical Specifications

#### POLLUX - X3 ( Input 40-80 Watt)

Serial Number	Output Voltage	Output Current	Output Wattage
	Min- Max	Min- Max	Min- Max
01	25-40 V	900-1800mA	40W-70W
02	40-60 V	1000-1200mA	40W-70W
03	60-80 V	500-900mA	40W-70W

### POLLUX - X4 LED Driver - CC



**P1**



**P2**

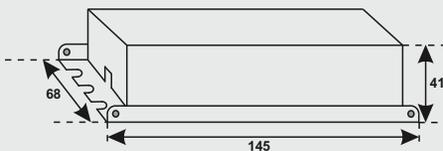
Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

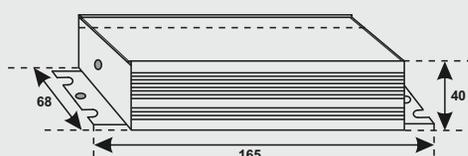
Operating input voltage range	: 110 -300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 110 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 90%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +95°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13; Ed1206-5 IEC 60950, IS 16104
Connections	: Wire for Input & Output
Dimension (L*W*H)(MM)	<b>P1</b> : 145*68*41 (MS body) CTC : 140MM
	<b>P2</b> : 165*68*40 (Aluminium body) CTC : 156MM

### Dimensional Details

**P1**



**P2**



**P3** Dimmable LED Driver

### Features

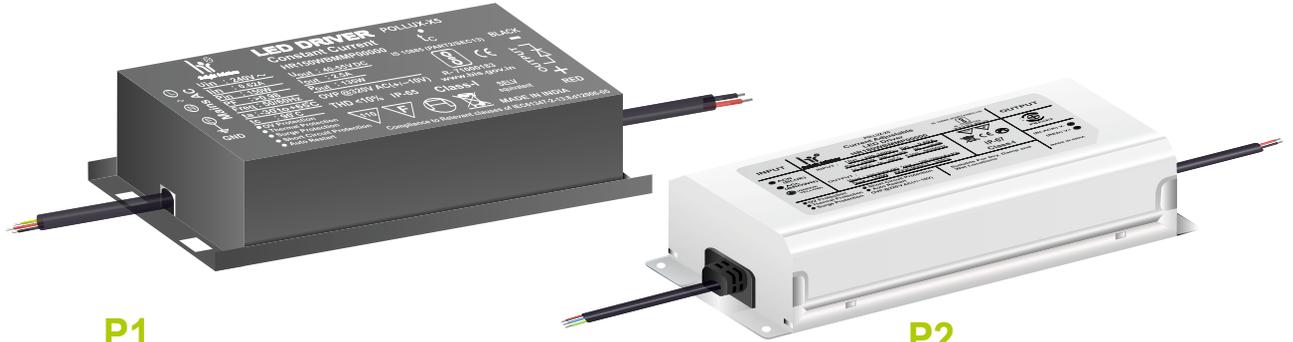
- Protection : Output Short Circuit, Over Voltage, Under voltage, No load
- Built-in active PFC function
- IP 65 design Universal AC input (up to 300 Vac)
- Meet 6 KV surge immunity level ( IEC61000- 4-5 )
- Class I power units / pass LPS
- Suitable for Outdoor LED Lighting
- **Optional Available:** Dimming:0/1-10V/PWM, Flicker Free, EMI/EMC, Radar Sensor dimming 30% & 100%, 5 Step dimming & 3 Step switch dimming.
- 3/5 Years warranty

### Electrical Specifications

#### POLLUX - X4 ( Input 60-120 Watt )

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	1400-2400 mA	55W -110W
02	40-60 V	1000-1800 mA	55W -110W
03	60-80 V	700-1300 mA	55W -110W
04	80-100 V	600-1000 mA	55W -110W
05	100-120 V	500-800 mA	55W -110W
06	120-140 V	300-700 mA	55W -110W
07	140-160 V	300-700 mA	55W -110W

### POLLUX - X5 LED Driver - CC



**P1**

**P2**

Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

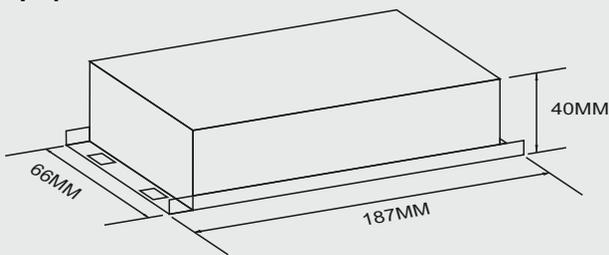
Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 110 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +95°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13:
Connections	: Wires for Input & Output
Dimension (L*W*H)(MM)	P1 : 187*66*40 (MS Body) CTC : 172MM
	P2 : 176*61*38 (Aluminium Body) CTC : 166MM

### Features

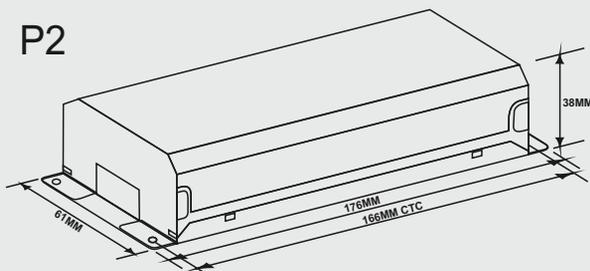
- Protection : Output Short Circuit, Over Voltage, Under voltage, No load
- Built-in active PFC function
- IP 65 design Universal AC input (up to 300 Vac)
- Meet 6 KV surge immunity level ( IEC61000- 4-5 )
- Class I power units / pass LPS
- Suitable for Outdoor LED Lighting
- **Optional Available:** Flicker Free, 0/1-10V/PWM dimming, 5 Step dimming
- 3/5 Years warranty

### Dimensional Details

**P1**



**P2**

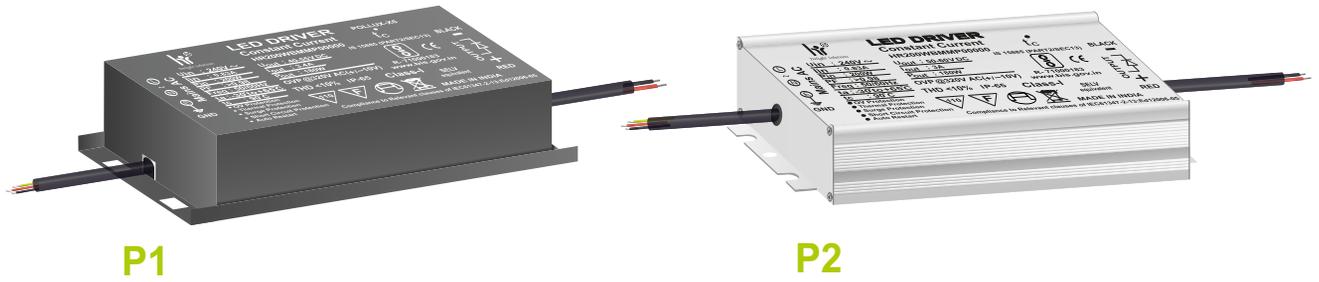


### Electrical Specifications

#### POLLUX-X5 (Input 140-160 Watt )

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	45-60 V	2000-2800mA	120 -150W
02	60-80 V	1500-1800mA	120 -150W
03	80-100 V	1000-1700mA	120 -150W
04	100-120 V	1000-1400mA	120 -150W
05	120-140 V	1000-1200mA	120 -150W
06	140-160 V	800-1000mA	120 -150W
07	180-216 V	500-750mA	120 -150W

### POLLUX - X6 LED Driver - CC



Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

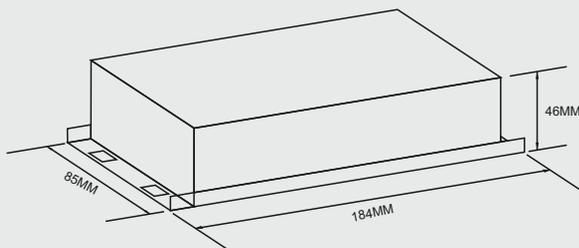
Operating input voltage range : 100-300 Vac; 50/60 Hz; 140-300 Vdc  
 Over voltage protection : Yes. 320 Vac ( +/- 10 V )  
 Under voltage protection : Yes. 110 Vac ( +/- 10 V )  
 Thermal protection : Yes. 110°C +/- 10°C  
 THD : < 10%  
 Efficiency : > 88%  
 PF : > 0.98  
 Standard loss : 0.3 Watt  
 Withstand Voltage : 440 Vac  
 Working temperature (ta) : -20°C to +65°C  
 Case temperature (tc) : +95°C  
 SAFETY standards : IS 15885 (PART2/SEC13),  
 IEC 61347-2-13:  
 Connections : Wires for Input & Output  
 Dimension (L\*W\*H)(MM) P1 : 184\*85\*46  
 CTC : 162MM  
 P2 : 220\*68\*40  
 CTC : 215MM

### Features

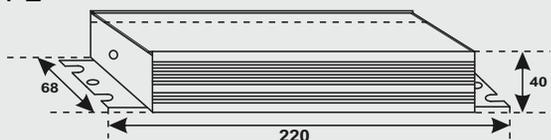
- Protection : Output Short Circuit, Over Voltage, Under Voltage, No load
- Built-in active PFC function
- IP65 design Universal AC input (up to 300 Vac)
- Meet 6 KV surge immunity level ( IEC61000- 4-5 )
- Class I power units / pass LPS
- Suitable for Outdoor LED Lighting
- Optional Dimming: 0/1-10V/PWM
- Ripple < 5%
- 3/5 Years warranty

### Dimensional Details

P1



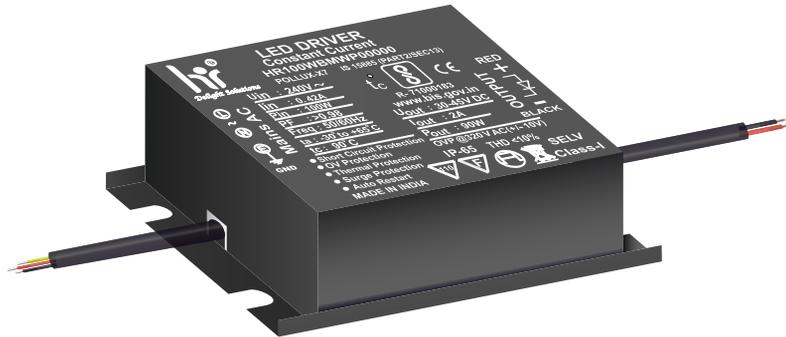
P2



### Electrical Specifications

#### POLLUX - X6 ( Input 150-200 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	36-60 V	2500-3500 mA	135W-180W
02	150-250 V	700-1050 mA	135W-180W



Note: Product Images are for reference only, Screen image change with respect to product specification.

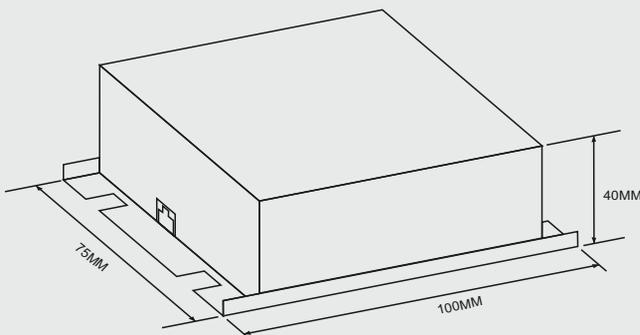
### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 110 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +90°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13:
Connections	: Wires for Input & Output
Dimension (L*W*H)(MM)	: 100*75*40
CTC	: 96MM

### Features

- Protection : Output Short Circuit, Over Voltage, Under Voltage, No load
- Built-in active PFC function
- IP65 design Universal AC input (up to 300 Vac)
- Meet 6KV surge immunity level ( IEC61000- 4-5 )
- Class I power units / pass LPS
- Suitable for Outdoor LED Lighting
- 3/5 Years warranty
- **Optional Available:** Dimming:1-10V Analog, Flicker Free, EMI/EMC, Radar Sensor dimming 30% & 100%, 5 Step dimming & 3 Step switch dimming.

### Dimensional Details

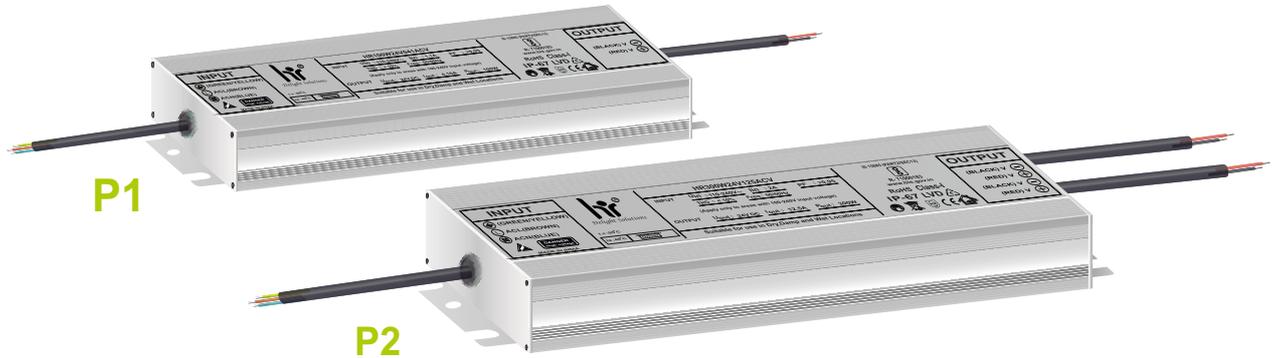


### Electrical Specifications

#### POLLUX - X7 ( Input 50-100 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	1400-2000 mA	45W - 90W
02	40-60 V	1000-1800 mA	45W - 90W
03	60-80 V	700-1300 mA	45W - 90W
04	80-100 V	600-1000 mA	45W - 90W
05	100-120 V	500-800 mA	45W - 90W
06	120-140 V	300-700 mA	45W - 90W
07	140-160 V	300-700 mA	45W - 90W

### POLLUX- X8 SMPS-CV

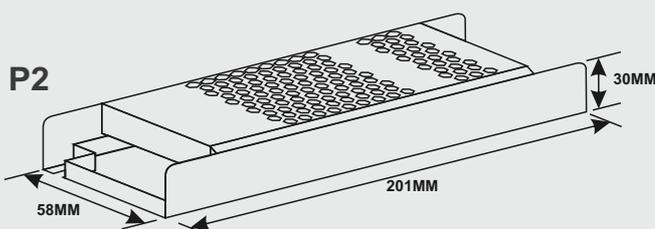
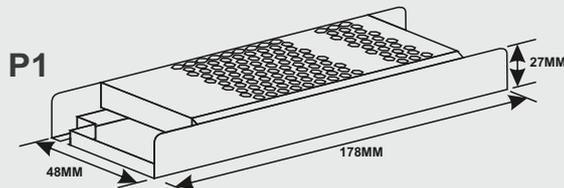
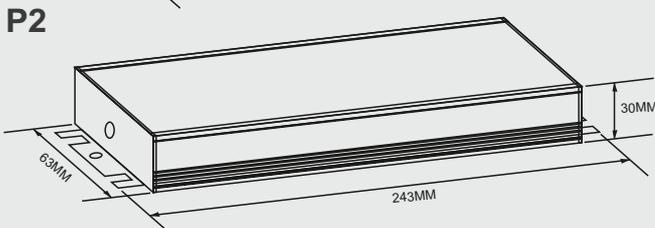
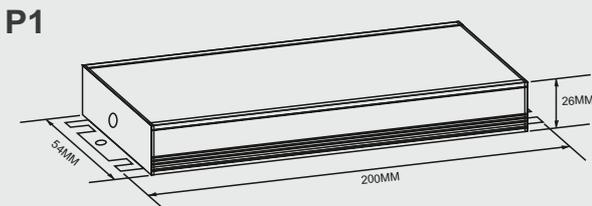


Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 100-240 Vac; 50/60 Hz; 140-300 Vdc
Thermal protection	: Yes. 110°C +/- 10°C
Efficiency	: > 86%
PF	: > 0.98
THD	: < 10%
Under voltage protection	: Yes. 75 Vac ( +/- 10 V )
Standard loss	: 0.3 Watt
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +95°C
SAFETY standards	: IS 15885 (PART2/SEC13),
Connections	: Wire for Input & Output
Dimension (L*W*H) (MM)	IP-67 P1 : 200*54*26 CTC : 190MM P2 : 243*63*30 CTC : 234MM IP-20 P1 : 176*48*27 CTC : 173MM P2 : 201*58*30 CTC : 218MM

### Dimensional Details



### P2 Features

- Protection : Output Short Circuit, No load, Under voltage protection

- IP20/IP67 design Universal AC input (up to 265 Vac)
- Meet 5 KV surge immunity level ( IEC61000- 4-5 )
- Class I power units / pass LPS
- Suitable for Indoor/Outdoor LED Lighting / LED Strips
- 3/5 Years warranty

### Electrical Specifications

#### P1-POLLUX-X8 (Input 115-135 watt)

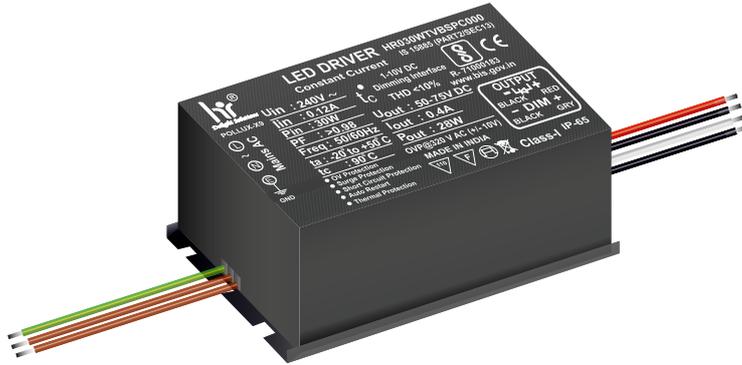
Serial Number	Output Voltage		Output Current		Output Wattage	
	Min	Max	Min	Max	Min	Max
01	12Vdc		8.33A		100W	
02	12Vdc		10A		120W	
03	24Vdc		4.16A		100W	
04	24Vdc		5A		120W	

### Electrical Specifications

#### P2-POLLUX-X8 (Input 170-450 watt)

Serial Number	Output Voltage		Output Current		Output Wattage	
	Min	Max	Min	Max	Min	Max
01	12V, 24Vdc		12.5A, 6.25A		150W	
02	12V, 24Vdc		15A, 7.5A		180W	
03	12V, 24Vdc		16.66A, 8.33A		200W	
04	12V, 24Vdc		20.83A, 10.41A		250W	
05	12V, 24Vdc		25A, 12.5A		300W	
06	12V, 24Vdc		29.16A, 14.58A		350W	
07	12V, 24Vdc		33.33A, 16.66A		400W	

### POLLUX - X9 LED Driver - CC



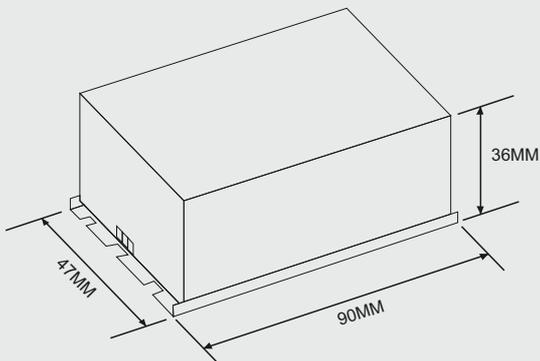
Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 110 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +85°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13
Connections	: Wire for Input & Output
Dimension (L*W*H)(MM)	: 90*47*36 (Metal Body)

CTC : 82MM

### Dimensional Details



### Features

- Protection : Output Short Circuit, Over Voltage, Under Voltage, No load
- Built-in active PFC function
- IP 65 design Universal AC input (up to 300 Vac)/Full range
- Class I power units / pass LPS
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Suitable for Indoor/Outdoor LED Lighting
- 3/5 Years warranty
- Optional:1-10V analog dimming with DIP switch/POT for fine output current setting.

### Electrical Specifications

#### POLLUX - X9 ( Input 20-45 Watt)

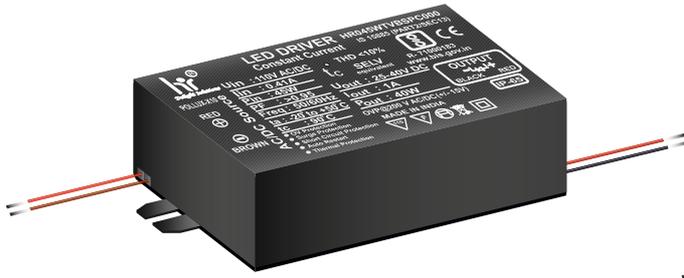
Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	500-1000 mA	18W - 40W
02	40-60 V	300-750 mA	18W - 40W
03	60-80V	200-550 mA	18W - 40W
04	80-100V	150-450 mA	18W - 40W

# POLLUX - X10

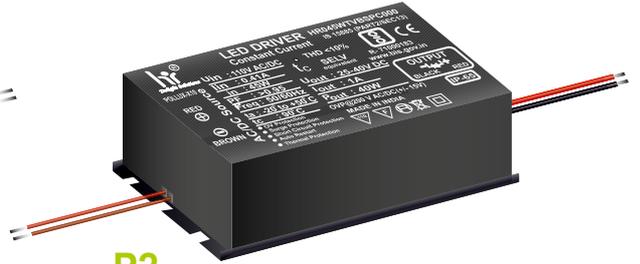
## SPECIALLY DESIGNED FOR RAILWAY

### 110VAC/DC 15-45W CC LED DRIVER

## POLLUX - X10 LED Driver - CC



P1



P2

Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

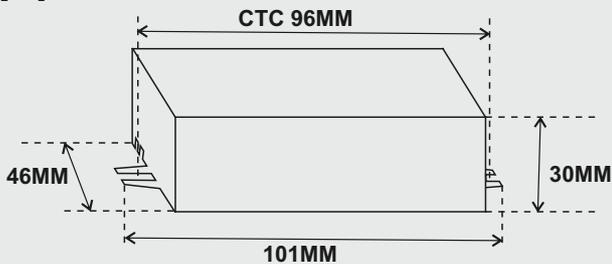
Operating input voltage range	: 95 -140Vac/dc ; 50/60 Hz
Working input voltage	: 110Vac ; 50/60 Hz/ 110Vdc
Over voltage protection	: Yes. 200 Vac ( +/- 20 V )
Under voltage protection	: Yes. 60 Vac ( +/- 20 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 85%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 250 Vac/dc for 2 minutes
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +75°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13
Connections	: Wire for Input & Output
Dimension (L*W*H)(MM)	:
Plastic Body	: 105*46*30
Metal Body	: 105*49*30

### Features

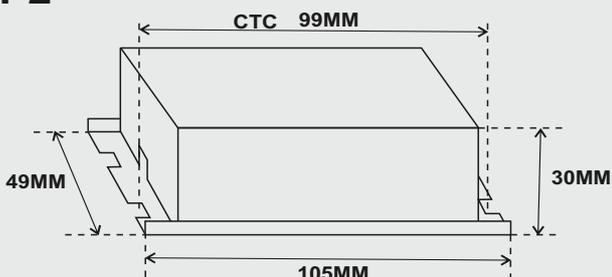
- Protection : Output Short Circuit, Over Voltage, Under Voltage, No load
- Built-in active PFC function
- IP20/65 design AC input (110Vac / 110Vdc)
- Class I/2 power units / pass LPS
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Suitable for Indoor/Outdoor LED Lighting
- 3/5 Years warranty
- Reverse polarity protection

### Dimensional Details

#### P1



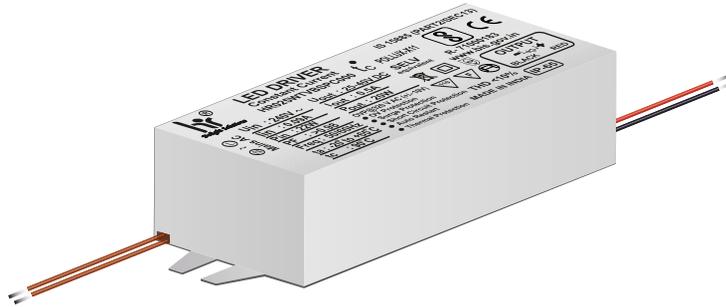
#### P2



### POLLUX - X10 ( Input 15-45 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	18-25 V	1000-1800mA	12W-40W
02	25-40 V	500-1100mA	12W-40W
03	40-60 V	200-700mA	12W-40W
04	60-80 V	200-500mA	12W-40W

### POLLUX - X11 LED Driver - CC



Note: Product Images are for reference only, Screen image change with respect to product specification.

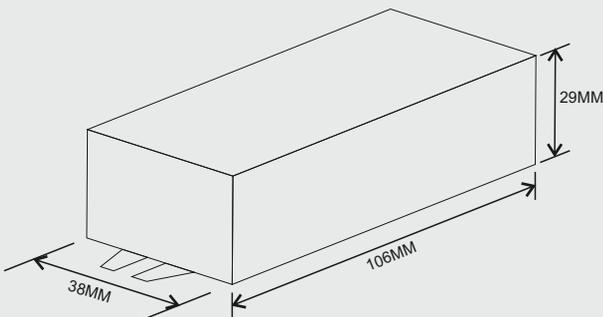
### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 90 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +75°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13
Connections	: Wire for Input & Output
Dimension (L*W*H)(MM)	: 106*38*29
CTC	: 100MM

### Features

- Protection : Output Short Circuit, Over Voltage, Under Voltage, No load
- Built-in active PFC function
- IP20/65 design Universal AC input (up to 300 Vac)/Full range
- Class I/2 power units / pass LPS
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Suitable for Indoor/Outdoor LED Lighting
- 3/5 Years warranty

### Dimensional Details



### Electrical Specifications

#### POLLUX - X11 ( Input 20-60 Watt) Plastic Body

Serial Number	Output Voltage	Output Current	Output Wattage
	Min- Max	Min- Max	Min- Max
01	25-36 V	400-1500mA	18W - 55W
02	25-40 V	300-1350mA	18W - 55W
03	40-60 V	300-900mA	18W - 55W
04	60-80 V	200-700mA	18W - 55W
05	80-100 V	300-550mA	18W - 55W
06	100-120 V	200-450mA	18W - 55W

### RIGEL - X1 LED Driver - CC



P1



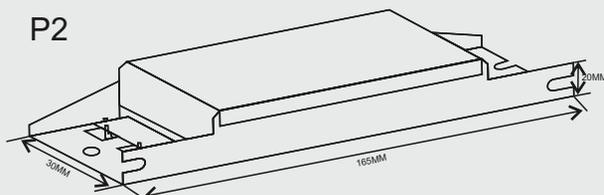
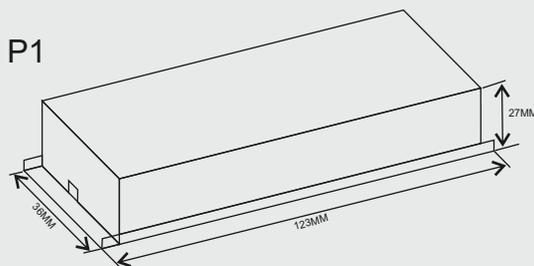
P2

Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 110 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 87%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +85°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
Connections	: Wires for Input & Output
Dimension (L*W*H)(MM)	P1 : 123*36*27 CTC : 112MM P2 : 165*30*20 CTC : 155MM

### Dimensional Details



### Features

- Protection : Output Short Circuit, Over Voltage, Under Voltage, No Load
- Built-in active PFC function
- IP 20/65 design Universal AC input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class I power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor/Outdoor LED lighting
- 3/5 Years warranty

### Electrical Specifications

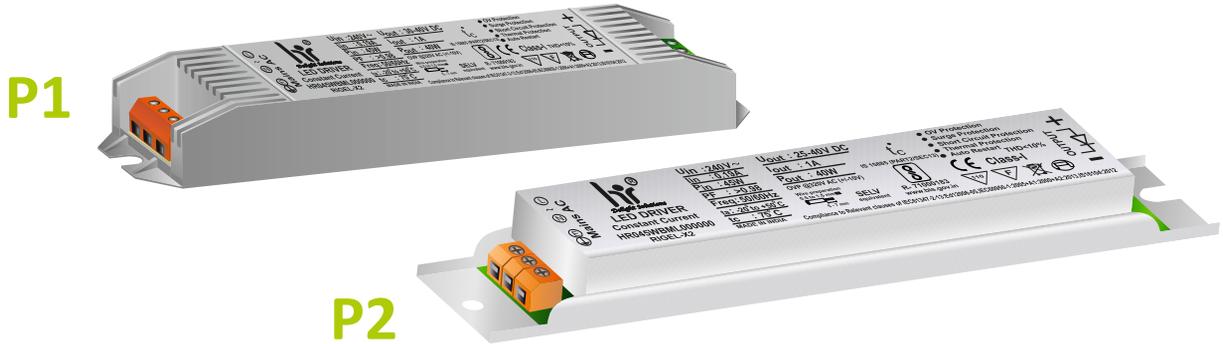
#### RIGEL - X1 P1 ( Input 15-60 Watt)

Serial Number	Output Voltage	Output Current	Output Wattage
	Min- Max	Min- Max	Min- Max
01	25-36 V	500-1500 mA	12W - 55W
02	25-40 V	400-1350 mA	12W - 55W
03	40-60 V	300 -900mA	12W - 55W
04	60-80 V	200 -650mA	12W - 55W

#### RIGEL - X1 P2 ( Input 15-35 Watt)

Serial Number	Output Voltage	Output Current	Output Wattage
	Min- Max	Min- Max	Min- Max
01	25-40 V	300-800 mA	12W - 30W
02	40-60 V	200-500 mA	12W - 30W
03	60-80 V	200 -350mA	12W - 30W

### RIGEL - X2 LED Driver - CC



Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

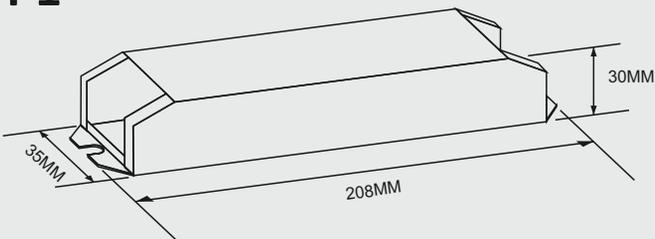
Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage protection	: Yes. 110 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +75°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
Connections	: Connector for Input & Output
Dimension (L*W*H)(MM)	P1 : 202.5*31.5*27 (MS body) CTC : 199MM P1 : 208*35*30 (Plastic body) CTC : 193MM

### Features

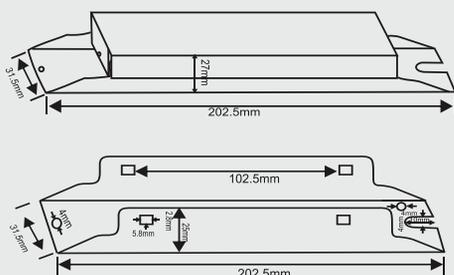
- Protection : Output Short Circuit, Over Voltage, Under Voltage, No Load
- Built-in active PFC function
- IP 20 design Universal AC input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class I/2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor/Clean room LED lighting applications
- 3/5 Years warranty
- **Optional available:** Flicker Free, Push Connector

### Dimensional Details

#### P1



#### P2



### Electrical Specifications

#### RIGEL-X2 ( Input 30 - 60 watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-36 V	600-1500mA	25W - 55W
01	25-40 V	600-1350mA	25W - 55W
02	40-60 V	600-900mA	25W - 55W
03	60-80 V	400-700mA	25W - 55W
04	80-110V	300-450mA	25W - 55W
05	100-120V	300-450mA	25W - 55W

### RIGEL - X3 LED Driver - CC



Note: Product Images are for reference only, Screen image change with respect to product specification.

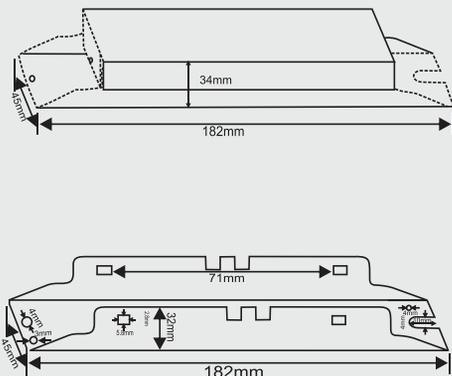
### Technical Specifications

Operating input voltage range	: 110-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 110 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +90°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
Connections	: Connector for Input & Output
Dimension (L*W*H)(MM)	: 182*45*34
CTC	: 173MM

### Features

- Protection : Output Short Circuit, Over Voltage, Under Voltage, No Load
- Built-in active PFC function
- IP 20 design Universal AC input (up to 300 Vac)/full range
- Meet 6 KV surge immunity level ( IEC61000- 4-5 )
- Class I/Class 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor/Outdoor LED lighting
- Optional Dimming: 0/1-10V/PWM
- 3/5 Years warranty

### Dimensional Details

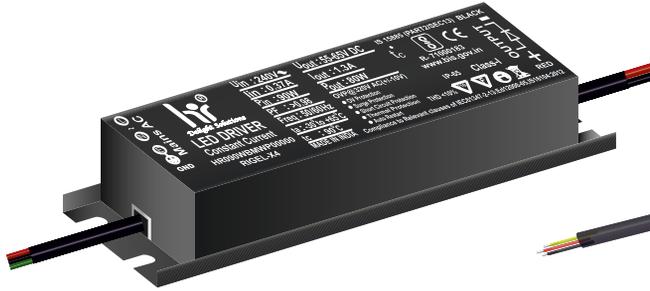


### Electrical Specifications

#### RIGEL - X3 ( Input 60-100 watt )

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	1200-2000 mA	45W - 80W
02	40-60 V	800-1200 mA	45W - 72W
03	60-80 V	600-1000 mA	45W - 80W
04	80-100 V	600-900 mA	45W - 90W
05	100-120 V	500-750 mA	45W - 90W
06	120-140 V	300-700 mA	45W - 90W

### RIGEL - X4 LED Driver - CC



P1



P2

Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 110-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 110 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C (RTH1)
THD	: < 10%
Efficiency	: > 90%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +95°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
Connections	: Wires for Input & Output
Dimension (L*W*H)(MM)	P1 : 192*51*32    CTC : 182MM P2 : 175*54*38    CTC : 195MM

### Features

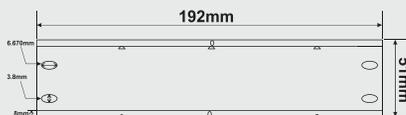
- Protection : Output Short Circuit, Over Voltage, Under Voltage, No Load
- Built-in active PFC function
- IP 65 design Universal AC input (up to 300 Vac)/full range
- Meet 6 KV surge immunity level ( IEC61000- 4-5 )
- Class I power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor/Outdoor LED lighting
- Optional Dimming: 0/1-10V/PWM
- 3/5 Years warranty

### Dimensional Details

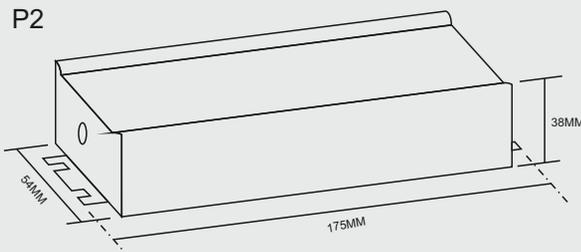
TOP SIDE



BOTTOM SIDE



P2



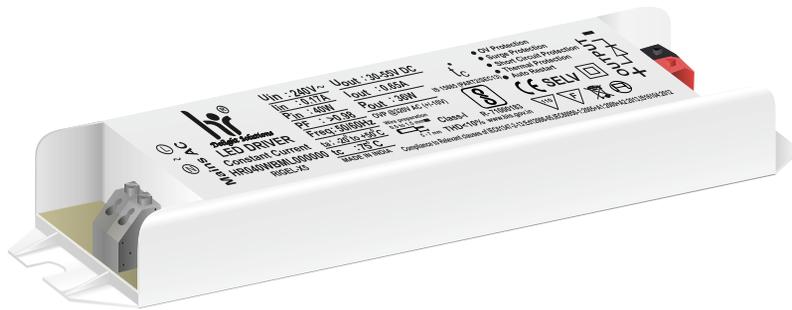
### Electrical Specifications

#### RIGEL - X4 ( Input 60-120 watt )

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	1400-2000 mA	55W - 90W
02	40-60 V	1000-1500 mA	55W - 90W
03	60-80 V	700-1000 mA	55W - 90W
04	80-100 V	600-900 mA	55W - 90W
05	100-120 V	500-750 mA	55W - 90W
06	120-140 V	400-750 mA	55W -105W
07	140-160 V	350-700 mA	55W -110W

NOTE : Potted with Regular Wire & Non Potted with Connector.

### RIGEL - X5 LED Driver - CC

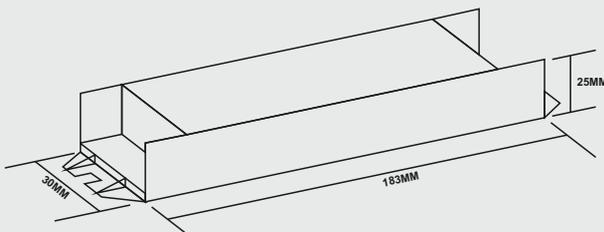


Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 110-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 90 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 87%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +75°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
Connections	: Connector for Input & Output
Dimension (L*W*H)(MM)	: 183*30*25
	CTC : 174MM

### Dimensional Details



### Features

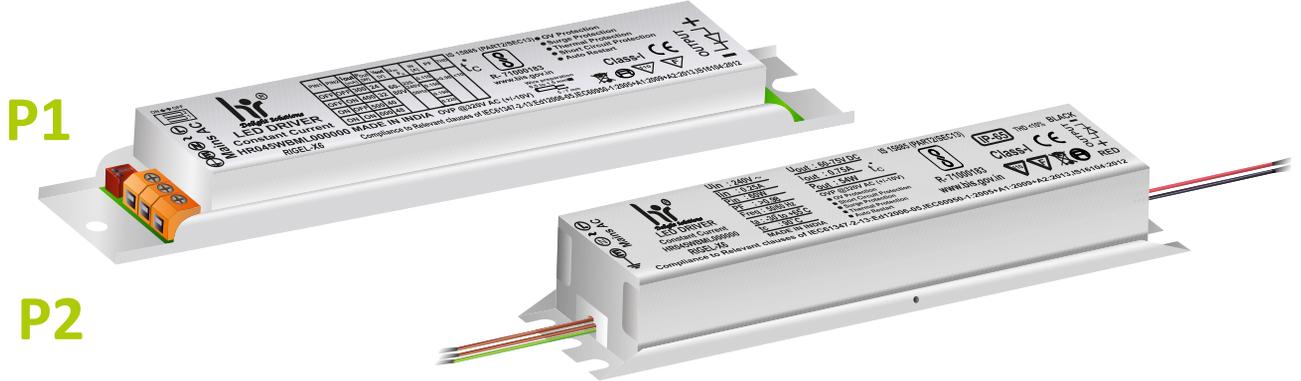
- Protection : Output Short Circuit, Over Voltage, Under Voltage, No Load
- Built-in active PFC function
- IP 20 design Universal AC input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor LED lighting
- 3/5 Years warranty

### Electrical Specifications

#### RIGEL - X5 ( Input 15 - 50 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	300-1300 mA	13W - 40W
02	40-60 V	400-800 mA	13W - 40W
03	60-80 V	200-600 mA	13W - 40W

### RIGEL - X6 LED Driver - CC



Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range : 100-300 Vac; 50/60 Hz; 140-300 Vdc  
 Over voltage protection : Yes. 320 Vac ( +/- 10 V )  
 Under voltage protection : Yes. 110 Vac ( +/- 10 V )  
 Thermal protection : Yes. 110°C +/- 10°C  
 THD : < 10%  
 Efficiency : > 88%  
 PF : > 0.98  
 Standard loss : 0.3 Watt  
 Withstand Voltage : 440 Vac  
 Working temperature (ta) : -20°C to +65°C  
 Case temperature (tc) : +85°C  
 SAFETY standards : IS 15885 (PART2/SEC13),  
 IEC 61347-2-13:  
 Ed1206-5 IEC 60950, IS 16104  
 Connections : Connector for Input & Output  
 Dimension (L\*W\*H)(MM) P1 : 202.5\*31.5\*27 CTC : 193MM  
 P2 : 202\*31\*30 CTC : 192MM

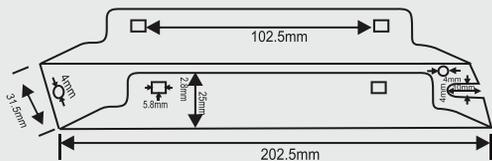
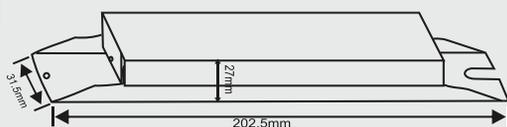
### Features

- Protection : Output Short Circuit, Over Voltage, Under Voltage, No load
- Built-in active PFC function
- IP 20/IP65 design Universal AC input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class I power units / pass LPS
- Current adjustable (DIP switch)
- Suitable for Indoor/Outdoor LED application
- User flexibility with four different output currents from one driver. Flexible current selection via DIP switch.
- 3/5 Years warranty

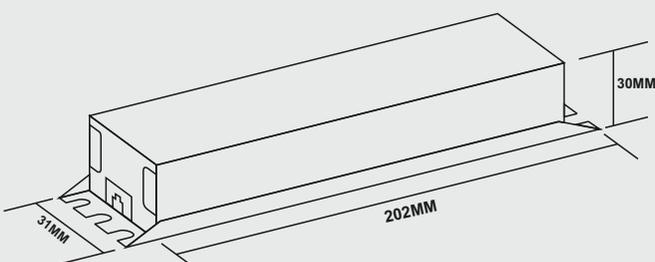
Configuration					Configuration				
PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)
OFF	OFF	1000mA	40W	25-40 V	OFF	OFF	600mA	36W	40-60 V
OFF	ON	1100mA	44W		OFF	ON	700mA	42W	
ON	OFF	1200mA	48W		ON	OFF	800mA	48W	
ON	ON	1300mA	52W		ON	ON	900mA	54W	

### Dimensional Details

P1



P2



### Electrical Specifications

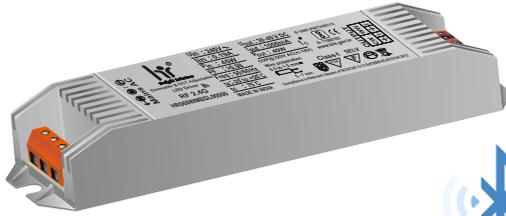
RIGEL-X6 ( Input 30 - 60 watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-36 V	600-1500mA	25W - 55W
01	25-40 V	600-1350mA	25W - 55W
02	40-60 V	600-900mA	25W - 55W
03	60-80 V	400-700mA	25W - 55W
04	80-110V	300-450mA	25W - 55W
05	100-120V	300-450mA	25W - 55W

NOTE : Potted with Regular Wire & Non Potted with Connector.

## 20-60W CCT TUNABLE & DIMMABLE LED DRIVER

RIGEL - X7  
LED Driver - CC



P1



P2



Bluetooth

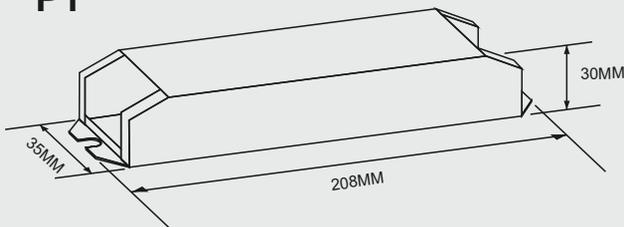
Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

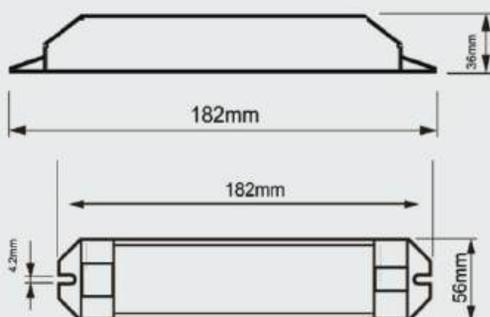
Voltage (Un)	: 240 Vac
Operating Voltage Range	: 110 ~300Vac
Frequency (Hz)	: 50 / 60 Hz
Power Factor @Full Load(PF)	: > 0.95
Power Factor @50% load (PF)	: >0.90
THD @Full Load	: <10%
THD @50% Load	: <20%
Efficiency	: >85%
Over Voltage Cutoff	: 320V (Tole - +/-10V)
Automatic Restart	: 300V
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +85°C
Dimension (L*W*H)(MM)	P1 : 208*35*30 (Plastic Body) - 20-40W CTC : 199MM
	P2 : 188*54*37 (Plastic Body) - 45-60W CTC : 176MM

### Dimensional Details

P1



P2



### Features

- Protection : Output Short Circuit, Over Voltage, No Load
- Wireless Dimming and CCT tuning by RF-2.4G Remote Controllers
- No need to install or attach other controllers
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Groups control: 100 groups individually
- 4 Step dimming and CCT adjusting
- Step-less dimming and CCT Adjusting
- 3/5 years warranty
- Optional Available: Switch base color change
- RF-2.4G Remote Controllers + Bluetooth

### Electrical Specifications

#### P1- RIGEL - X7 CCT Linear ( Input 18-40 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	30-40 V	500-950 mA	18-35W
02	40-55 V	300-600 mA	18-35W

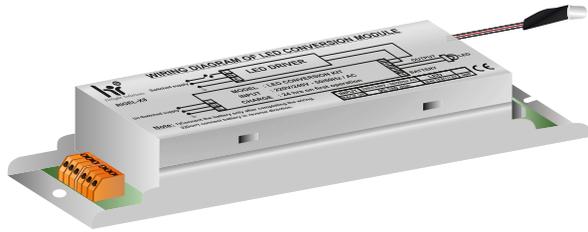
#### P2- RIGEL - X7 CCT Linear ( Input 45-60 Watt)

01	30-40 V	800-1200 mA	40W-55W
02	40-55 V	800-1000 mA	40W-55W

# RIGEL - X8

Emergency Mode Switch Over Module With Inbuilt Battery Charger (For Emergency Light)

## RIGEL - X8 LED Driver



P1



P2

Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

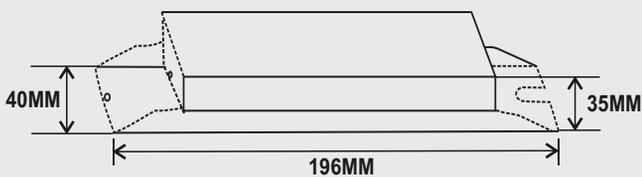
Operating input voltage range : 100-300 Vac; 50/60 Hz  
 Over current protection : (+/-) 3% of Rated O/P Current  
 Thermal protection : Yes. 110°C +/- 10°C  
 Working temperature (ta) : -20°C to +65°C  
 Case temperature (tc) : +85°C  
 Safety standards : IS 15885 (PART2/SEC13), IEC 61347-2-13  
 Connections : Push Connectors  
 Dimension (L\*W\*H)(MM) P1 : 196\*40\*35 CTC : 173MM  
 P2 : 135\*55\*34 CTC : 122MM

### Features

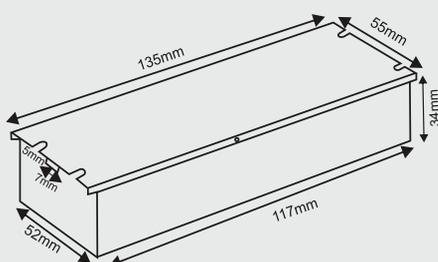
- Protection : Output Short Circuit, No load
- IP 20 design Universal AC input (up to 300 Vac)/full range
- Meet 1.5 KV surge immunity level ( IEC61000- 4-5 )
- Compatible with 3S,4S & as per battery voltage lithium-ion battery pack
- Compatible with 3S & 4S lithium-ion ferrous phosphate pack
- Class I power units / pass LPS
- Charging and battery full indication
- 3/5 Years warranty
- LED emergency back-up driver with a 35W output & 100-300Vac.

### Dimensional Details

P1



P2



### Electrical Specifications

#### RIGEL - X8

Serial Number	Output Voltage Min-Max	Output Current Min-Max	Output Power Min-Max
01	20-40 V	300-900mA	10W - 35W
02	40-54 V	200-650mA	10W - 35W

### RIGEL - X9 LED Driver - CC



Note: Product Images are for reference only, Screen image change with respect to product specification.

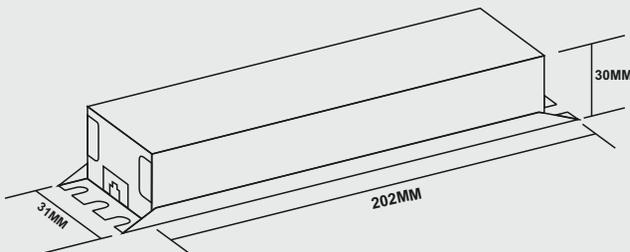
### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Under voltage protection	: Yes. 90 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 85%
PF	: > 0.98
Standard loss	: 0.3 Watt
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +85°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13; Ed1206-5 IEC 60950, IS 16104
Connections	: Connector for Input & Output
Dimension (L*W*H)(MM)	: 202*31*30 CTC : 192MM

### Features

- Protection: Output Short Circuit, Under Voltage, No load
- Advanced PFC+ Flyback dual stage design
- IP20/65 Design Universal AC Input (Up to 300 Vac)
- Meet 4 KV Surge Immunity Level (IEC61000-4-5)
- Class I power unit / pass LPS
- Ripple Free <5%
- 0-10V Analog Dimming
- Suitable for Indoor & Outdoor LED Lighting
- 3/5 Years Warranty

### Dimensional Details



### Electrical Specifications

#### RIGEL - X9 (Input 30-60 watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	700-1500 mA	25W - 55W
02	40-60 V	600-1050 mA	25W - 55W
03	60-80V	300-750 mA	25W - 55W
04	80-100V	200-550 mA	25W - 55W

### RIGEL - X10 LED Driver - CC



Note: Product Images are for reference only, Screen image change with respect to product specification.

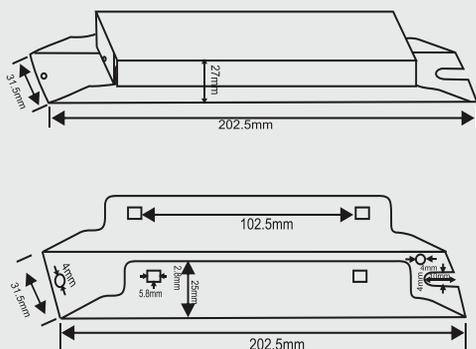
### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage protection	: Yes. 90 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +85°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
Connections	: Connector for Input & Output
Dimension (L*W*H)(MM)	: 202.5*31.5*27 CTC : 193MM

### Features

- Protection : Output Short Circuit, Over Voltage, No Load
- Built-in active PFC function
- IP 20 design Universal AC input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class I power units / pass LPS
- Microwave Radar Sensor for Motion Detection  
Ideal 20% Dim after Sensing 100% /ON-OFF
- 1) Radar induction  
2) Radar detection: catch body moving precisely  
3) Start fast & stable working
- Radar Sensor detection distance range: 3-8meters
- Suitable for dry, damp & wet location
- Suitable for Indoor/Clean room LED lighting applications
- 3/5 Years warranty
- Optional Available: 3 Step Switch Dimming, 1-10V Dimming

### Dimensional Details



### Electrical Specifications

#### RIGEL - X10 Sensor Based ( Input 20-45 watt )

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	300-950 mA	18W - 40W
02	40-60 V	300-650 mA	18W - 40W
03	60-80 V	300-500 mA	18W - 40W

### RIGEL - X11 LED Driver - CC

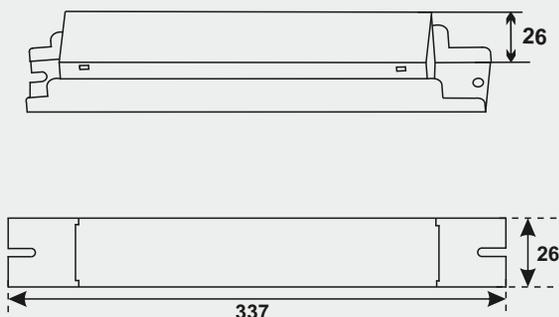


Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range :	120-300 Vac; 50/60 Hz;
AC Inrush Current(Max)	: Cold start,30 Amp. @230Vac
DC Adjustment Range	: ±3% Rated Output Voltage
Over Current Protection	: ± 5% of Rated O/P Current
Over Voltage Protection	: 320V±10Vac
Over Temp. Protection	:125°C ±10°C
Withstand Voltage	: 440 Vac
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13:
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +85°C
Connections	: Connector for Input & Output
Dimension (L*W*H)(MM)	: 337*30*26 CTC : 240MM

### Dimensional Details



### Features

- Protection : Short Circuit, Over Current, Over Temp., Over Voltage.
- Built-in active PFC function
- IP 20 design Universal AC input (up to 300 Vac)
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Suitable for Indoor LED lighting
- Flicker free Driver <5% Ripple
- 3/5 Years warranty

### Electrical Specifications

#### RIGEL - X11 ( Input 50-70 watt )

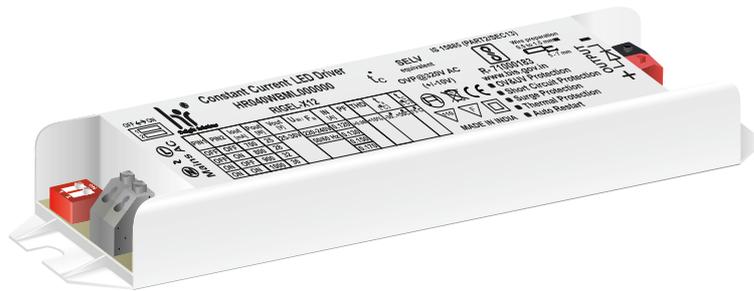
Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Power Min- Max
01	30-50 V	700-1300 mA	45W - 65W
02	50-80 V	600-800 mA	45W - 65W

### Electrical Specifications

Configuration					Configuration				
PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)
OFF	OFF	700mA	35W	30-50 V	OFF	OFF	900mA	45W	30-50 V
OFF	ON	800mA	40W		OFF	ON	1000mA	50W	
ON	OFF	900mA	45W		ON	OFF	1100mA	55W	
ON	ON	1000mA	50W		ON	ON	1200mA	60W	

Configuration					Configuration				
PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)
OFF	OFF	600mA	42W	50-70 V	OFF	OFF	500mA	40W	50-80 V
OFF	ON	700mA	50W		OFF	ON	600mA	48W	
ON	OFF	800mA	56W		ON	OFF	700mA	56W	
ON	ON	900mA	63W		ON	ON	800mA	64W	

### RIGEL - X12 LED Driver - CC

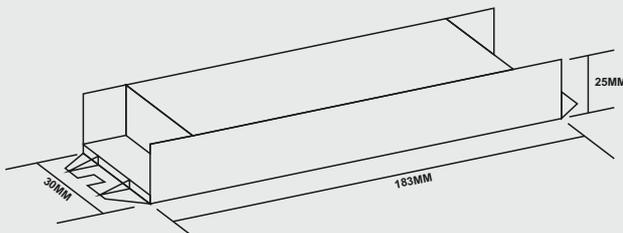


Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 110-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 90 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 87%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +75°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
Connections	: Connector for Input & Output
Dimension (L*W*H)(MM)	: 183*30*25 CTC : 174MM

### Dimensional Details



### Features

- Protection : Output Short Circuit, Over Voltage, Under Voltage, No Load
- Built-in active PFC function
- IP 20 design Universal AC input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor/Outdoor LED lighting
- 3/5 Years warranty

### Electrical Specifications

Configuration					Configuration				
PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)
OFF	OFF	400mA	16W	25-40 V	OFF	OFF	700mA	28W	25-40 V
OFF	ON	500mA	20W		OFF	ON	800mA	32W	
ON	OFF	600mA	24W		ON	OFF	900mA	36W	
ON	ON	700mA	28W		ON	ON	1000mA	40W	

Configuration					Configuration				
PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)
OFF	OFF	400mA	24W	40-60 V	OFF	OFF	200mA	16W	60-80 V
OFF	ON	500mA	30W		OFF	ON	300mA	24W	
ON	OFF	600mA	36W		ON	OFF	400mA	32W	
ON	ON	700mA	40W		ON	ON	500mA	40W	

Configuration					Configuration				
PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)
OFF	OFF	1000mA	36W	25-36 V	OFF	OFF	500mA	30W	40-60 V
OFF	ON	1100mA	40W		OFF	ON	600mA	36W	
ON	OFF	1200mA	43W		ON	OFF	700mA	42W	
ON	ON	1300mA	47W		ON	ON	800mA	47W	

## 24-60W CV LED DRIVER

RIGEL- X13  
SMPS-CV



P1



P2

Note: Product Images are for reference only, Screen image change with respect to product specification.

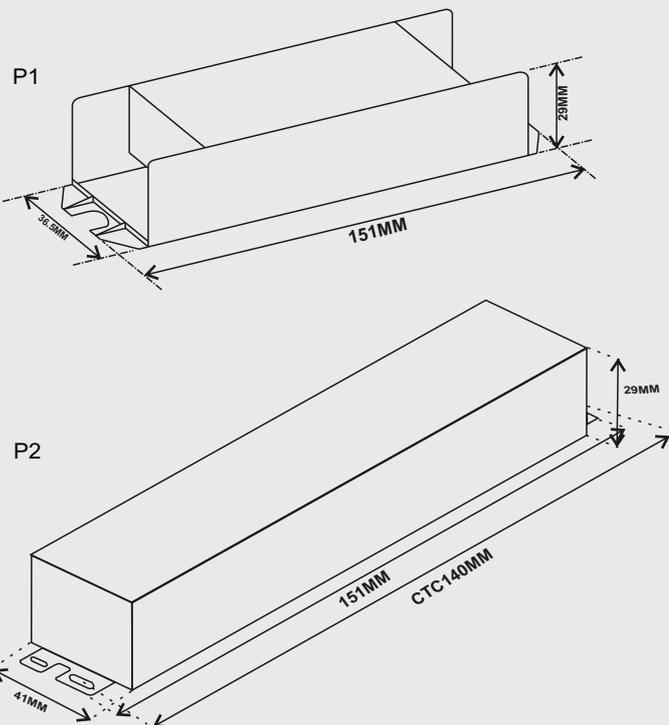
### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Thermal protection	: Yes. 110°C +/- 10°C
Efficiency	: 80%
PF	: > 0.98
THD	: < 10%
Over voltage protection	: Yes. 310 Vac ( +/- 10 V )
Standard loss	: 0.3 Watt
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +85°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13:
Connections	: Connector for Input & Output
Dimension (L*W*H)(MM) P1	: 151*36.5*29 (Plastic body)
CTC	: 141MM
P2	: 151*41*29 (Aluminium)
CTC	: 140MM

### Features

- Protection : Output Short Circuit, Over Voltage, No load
- IP20\IP67 design Universal AC input (up to 300 Vac)
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class I power units / pass LPS
- Suitable for Outdoor LED Lighting / LED Strips
- 3 Years warranty

### Dimensional Details



### Electrical Specifications

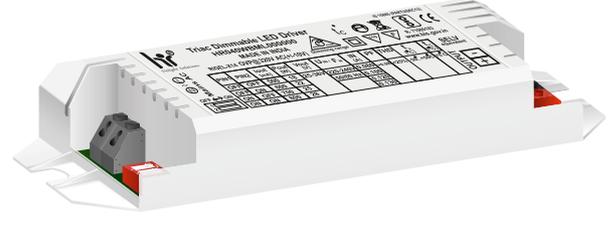
#### RIGEL-X13 (Input 40-70 watt)

Serial Number	Output Voltage		Output Current		Output Wattage	
	Min	Max	Min	Max	Min	Max
01	12Vdc		3A		36W	
02	12Vdc		4A		48W	
03	12Vdc		5A		60W	
04	24Vdc		1.5A		36W	
05	24Vdc		2A		48W	
06	24Vdc		2.5A		60W	

### RIGEL- X14 LED Driver - CC



P1



P2

Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

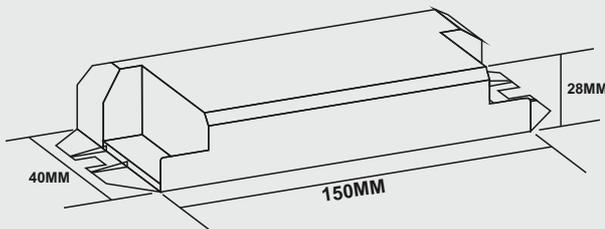
Operating input voltage range : 100-300 Vac; 50/60 Hz; 140-300 Vdc  
 Thermal protection : Yes. 110°C +/- 10°C  
 THD : < 25%  
 Efficiency : 85%  
 PF : > 0.95  
 Standard loss : 0.3 Watt  
 Working temperature (ta) : -20°C to +50°C  
 Case temperature (tc) : +75°C  
 SAFETY standards : IS 15885 (PART2/SEC13),  
 IEC 61347-2-13:  
 Ed1206-5 IEC 60950, IS 16104  
 Connections : Connector for Input & Output  
 Dimension (L\*W\*H)(MM) : 150\*40\*28 CTC : 143MM

### Features

- Protection : Output Short Circuit, No load
- Built-in active PFC function
- IP 20 design Universal input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor LED lighting
- 3/5 Years warranty

Dimming Type : Phase cut (Triac dimming)  
 Dimming technique : Amplitude  
 Dimming range : 5% to 100%  
 Lowest Dimming current : 7%

### Dimensional Details



### Electrical Specifications

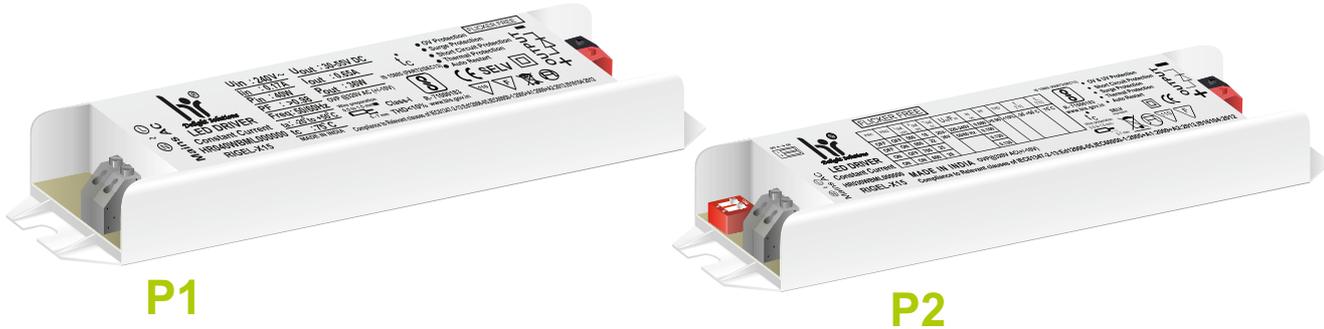
#### P1- RIGEL- X14 (Input 20-40 watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40V	500-1000 mA	18W-36W
02	50-70V	300-500 mA	18W-36W

#### P2- RIGEL- X14 (Input 20-40 watt) With DIP Switch

Configuration					Configuration				
PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)
OFF	OFF	500mA	20W	25-40 V	OFF	OFF	700mA	28W	25-40 V
OFF	ON	600mA	24W		OFF	ON	800mA	32W	
ON	OFF	700mA	28W		ON	OFF	900mA	36W	
ON	ON	800mA	32W		ON	ON	1000mA	40W	

## RIGEL- X15 LED Driver - CC

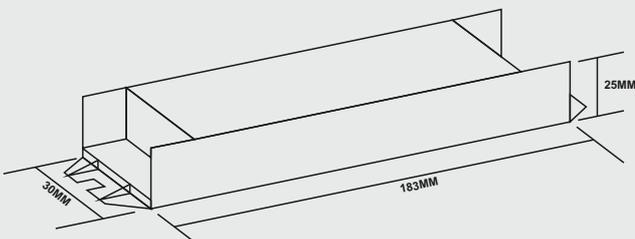


Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 90 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: 85%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +75°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
Connections	: Connector for Input & Output
Dimension (L*W*H)(MM)	: 183*30*25 CTC : 174MM

### Dimensional Details



### Features

- Protection : Output Short Circuit, No load, Over voltage, Under voltage,
- Built-in active PFC function
- IP 20 design Universal input (up to 280 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor LED lighting
- 3/5 Years warranty
- Flicker free Driver <5% Ripple

### Electrical Specifications

#### P1- RIGEL- X15 (Input 20-40 watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	27-40V	500-1000 mA	18W-36W
02	40-60V	300-600 mA	18W-36W

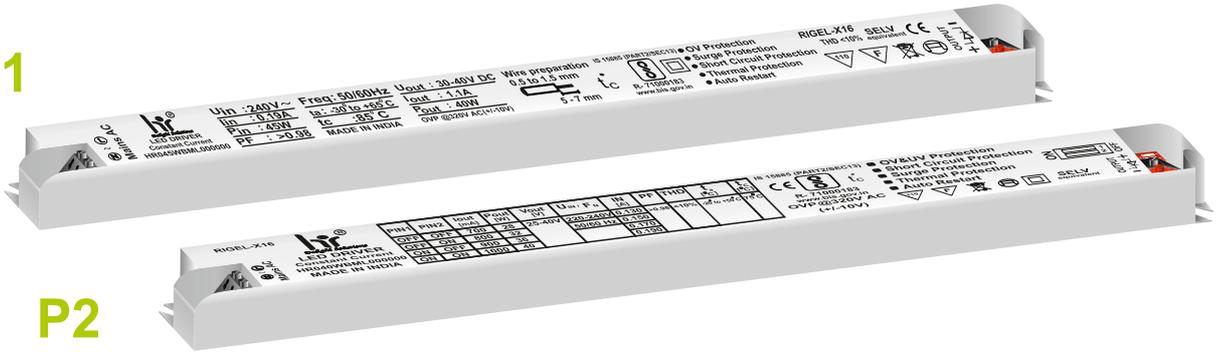
#### P2- RIGEL- X15 (Input 20-40 watt) With DIP Switch

Configuration					Configuration				
PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)
OFF	OFF	500mA	20W	27-40 V	OFF	OFF	700mA	25W	25-36 V
OFF	ON	600mA	24W		OFF	ON	800mA	29W	
ON	OFF	700mA	28W		ON	OFF	900mA	32W	
ON	ON	800mA	32W		ON	ON	1000mA	36W	

Configuration				
PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)
OFF	OFF	300mA	18W	40-60 V
OFF	ON	400mA	24W	
ON	OFF	500mA	30W	
ON	ON	600mA	36W	

### RIGEL-X16 LED Driver - CC

P1



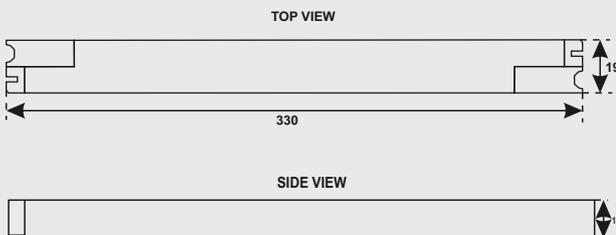
P2

Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range : 100-300 Vac; 50/60 Hz; 140-300 Vdc  
 Over voltage protection : Yes. 320 Vac ( +/- 10 V )  
 Under voltage protection : Yes. 90 Vac ( +/- 10 V )  
 Thermal protection : Yes. 110°C +/- 10°C  
 THD : < 10%  
 Efficiency : > 88%  
 PF : > 0.98  
 Standard loss : 0.3 Watt  
 Withstand Voltage : 440 Vac  
 Working temperature (ta) : -20°C to +50°C  
 Case temperature (tc) : +75°C  
 SAFETY standards : IS 15885 (PART2/SEC13),  
 IEC 61347-2-13:  
 Ed1206-5 IEC 60950, IS 16104  
 Connections : Connector for Input & Output  
 Dimension (L\*W\*H)(MM) : **330\*19\*18** CTC : 320MM

### Dimensional Details



### Features

- Protection : Output Short Circuit, Over voltage, Under voltage, No load
- Built-in active PFC function
- IP 20 design Universal input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor / Outdoor LED lighting
- 3/5 Years warranty

### Electrical Specifications

#### P1- RIGEL - X16 ( Input 5-45 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	200-1000 mA	4W-45W
02	40-60 V	200-700 mA	4W-45W
03	60-80 V	200-500 mA	4W-45W

#### P2- RIGEL - X16 ( Input 5-45 Watt) With Multi Current

Configuration					Configuration				
PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)
OFF	OFF	200mA	8W	25-40 V	OFF	OFF	700mA	28W	25-40 V
ON	OFF	300mA	12W		ON	OFF	800mA	32W	
OFF	ON	400mA	16W		OFF	ON	900mA	36W	
ON	ON	500mA	20W		ON	ON	1000mA	40W	

Configuration					Configuration				
PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Iout (mA)	Pout (W)	Vout (V)
OFF	OFF	400mA	24W	40-60 V	OFF	OFF	200mA	16W	60-80 V
ON	OFF	500mA	30W		ON	OFF	300mA	24W	
OFF	ON	600mA	36W		OFF	ON	400mA	32W	
ON	ON	700mA	42W		ON	ON	500mA	40W	

### COPELLA - X1 LED Driver-CC

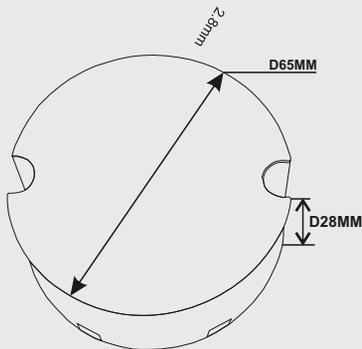


Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 110 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +85°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
Connections	: Wires for Input & Output
Dimension (L*W*H)(MM)	: D65*28 CTC : 60MM

### Dimensional Details



### Features

- Protection : Output Short Circuit, Over Voltage, Under voltage, No load
- Built-in active PFC function
- IP 20/65 design Universal AC input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class 2 power unit / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor/Outdoor LED Application
- 3/5 Years warranty

### Electrical Specifications

#### COPELLA - X1 ( Input 45-60 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	20-36 V	1000-1500 mA	40W-55W
02	25-40 V	1000-1300 mA	40W-55W
03	40-60 V	650-900 mA	40W-55W
04	60-80 V	500-650 mA	40W-55W

### COPELLA - X2 LED Driver-CC

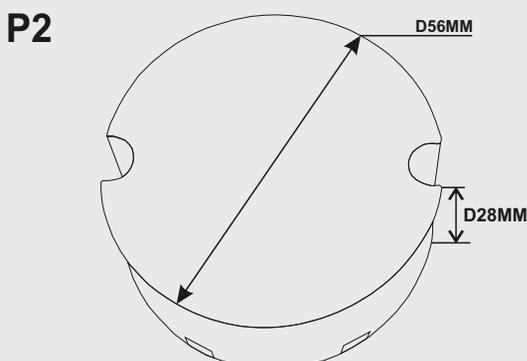
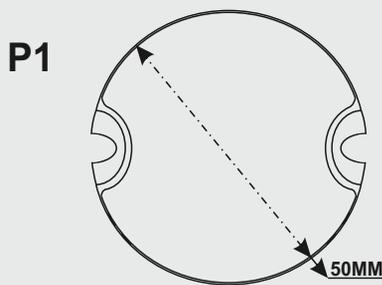


Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range : 100-300 Vac; 50/60 Hz; 140-300 Vdc  
 Over voltage protection : Yes. 320 Vac ( +/- 10 V )  
 Under voltage protection : Yes. 110 Vac ( +/- 10 V )  
 Thermal protection : Yes. 110°C +/- 10°C  
 THD : < 10%  
 Efficiency : > 88%  
 PF : > 0.95  
 Standard loss : 0.3 Watt  
 Withstand Voltage : 440 Vac  
 Working temperature (ta) : -20°C to +50°C  
 Case temperature (tc) : +75°C  
 SAFETY standards : IS 15885 (PART2/SEC13),  
 IEC 61347-2-13:  
 Ed1206-5 IEC 60950, IS 16104  
 Connections : Wires for Input & Output  
 Dimension (L\*W\*H)(MM) P1 : D50\*23 CTC : 45MM  
 P2 : D56\*28 CTC : 50MM

### Dimensional Details



### Features

- Protection : Output Short Circuit, Over Voltage, Under voltage, No load
- Built-in active PFC function
- IP 20/65 design Universal input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for Indoor / Outdoor LED lighting
- 3/5 Years warranty

### Electrical Specifications

#### P1- COPELLA - X2 ( Input 10-27 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	10-15 V	500-900 mA	7W-14W
01	15-24 V	400-700 mA	7W-17W
02	25-40 V	200-600 mA	7W-24W
03	40-60 V	200-400 mA	7W-24W
04	60-80 V	200-300 mA	7W-24W

#### P2- COPELLA - X2 ( Input 22-40 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-36 V	700-1000 mA	20W-36W
02	40-60 V	450-600 mA	20W-36W
03	60-80 V	350-450 mA	20W-36W

Note: If Low voltage & low current then efficiency >80%, THD<15%

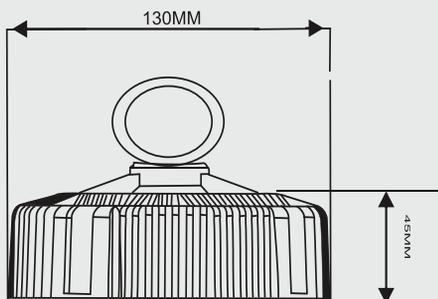


Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 110 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 90%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +85°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
Connections	: Wires for Input & Output
Dimension (L*H)(MM)	: 130*45 CTC : 110MM

### Dimensional Details



### Features

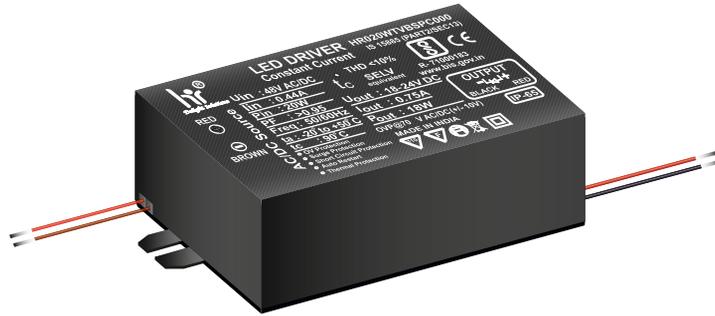
- Protection : Output Short Circuit, Over Voltage, Under voltage, No load
- Built-in active PFC function
- IP 65 design Universal AC input (up to 300 Vac)
- Meet 6 KV surge immunity level ( IEC61000- 4-5 )
- Class I power units / pass LPS
- Suitable for Indoor/Outdoor LED Lighting
- Optional Dimming: 0/1-10V/PWM
- 3/5 Years warranty

### Electrical Specifications

#### COPELLA - X3 ( Input 60-100 watt )

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	1400-2400 mA	55W - 90W
02	40-60 V	1000-1800 mA	55W - 90W
03	60-80 V	700-1300 mA	55W - 90W
04	80-100 V	600-1000 mA	55W - 90W
05	100-120 V	500-800 mA	55W - 90W
06	120-140 V	300-700 mA	55W - 90W
07	140-160 V	300-700 mA	55W - 90W

### DC-DC LED Driver



Note: Product Images are for reference only, Screen image change with respect to product specification.

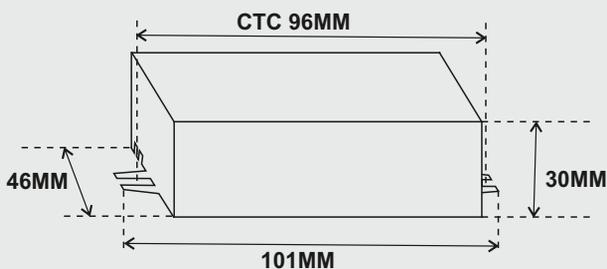
### Technical Specifications

Voltage (Un)	: 12Vdc / 24 Vdc / 48Vdc /110Vdc
Operating input voltage range	: 12V ~24Vdc
Minimum Starting Temp. (ta)	: -20°C to +50°C
Maximun ambient Temp. (tc)	: +75°C
Connections	: Wires for Input & Output
Dimension (L*W*H)(MM)	: 101*46*30

### Features

- Protection : Short Circuit, No load
- Thermal Protection
- Operates in boost topology
- IP20/65 Design DC Input Up to 30Vdc
- Suitable for Indoor/Outdoor LED Application
- 3/5 Years warranty

### Dimensional Details



### Electrical Specifications

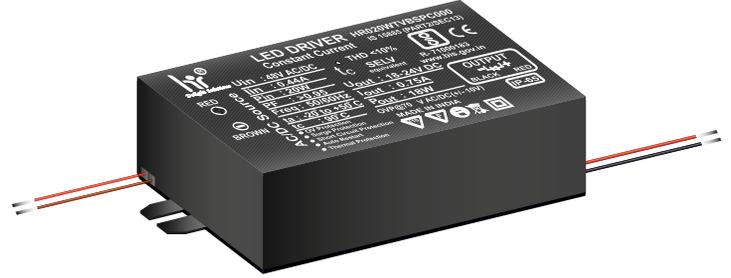
#### DC-DC LED Driver ( Input 25 - 45 watt )

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	30-40 V	500-1000 mA	40W

AC/DC CONVERTER  
LED Driver



P1



P2

Note: Product Images are for reference only, Screen image change with respect to product specification.

## P1 Technical Specifications

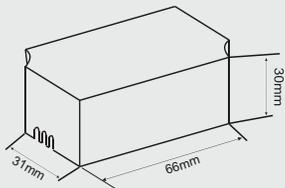
Voltage (Un)	: 24VAC/DC; 50/60Hz
Operating Voltage Range	: 15-30 VAC/DC
Maximum Input Current	: 0.62A
Input Power (W)	: 18W max
Thermal Protection	: Yes
Dimension (L*W*H)(MM)	: 65*31*30 CTC : 66MM
Input/Output Terminals	: Wires
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +75°C

## P2 Technical Specifications

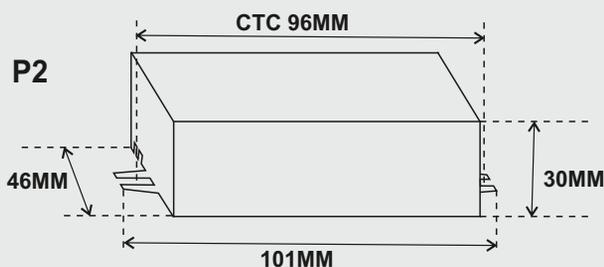
Operating input voltage range	: 45 - 55Vac/dc; 50/60 Hz
Working input voltage	: 48 Vac; 50/60 Hz/ 48 Vdc
Over voltage protection	: Yes. 70 Vac ( +/- 10 V )
Under voltage protection	: Yes. 40 Vac ( +/- 5 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 75%
PF	: > 0.98
Standard loss	: 0.3 Watt
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +75°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13
Connections	: Wire for Input & Output
Dimension (L*W*H)(MM)	:
Plastic Body	: 101*46*30 CTC : 96MM

## Dimensional Details

P1



P2



## P1 Features

- Constant Current LED Driver
- Operates in boost topology
- IP20/65 design
- 3 Years warranty

### Key Features

- Compact Design
- Constant Current
- Long Life
- Cost Effective
- High Durability
- High Reliability

## P2 Features

- Protection : Output Short Circuit, Over Voltage, Under Voltage, No load
- Built-in active PFC function
- IP20/65 design AC input (48 Vac / 48 Vdc)
- Class 1/2 power units / pass LPS
- Suitable for Indoor/Outdoor LED Lighting
- 3/5 Years warranty
- Reverse polarity protection

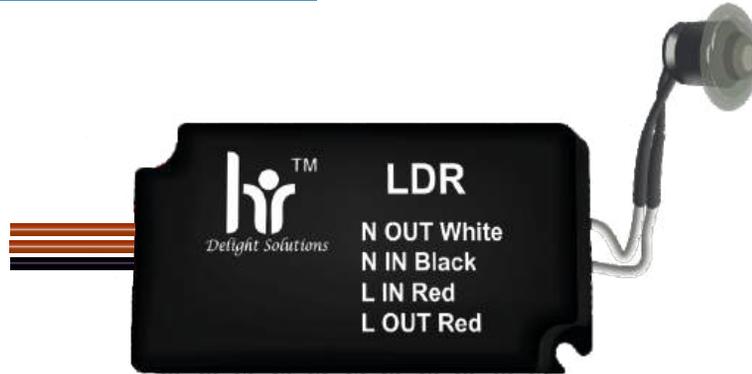
## Electrical Specifications

### P1- 24V ( Input 5-18 Watt) Plastic Body

Serial Number	Output Voltage	Output Current	Output Wattage
	Min- Max	Min- Max	Min- Max
01	30-45 V	100-400mA	4W-15W

### P2-48V ( Input 5-20 Watt) Plastic Body

Serial Number	Output Voltage	Output Current	Output Wattage
	Min- Max	Min- Max	Min- Max
01	18-24 V	200-750mA	4W-18W
02	25-36 V	200-500mA	4W-18W

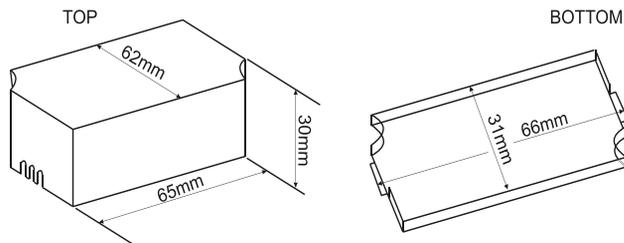


### Features

- IP20/65 design
- Good Reliability
- High sensitivity
- Fast response
- Made by semi-conductor material
- Auto dusk to down operations
- Conductance changes with luminance variation

### Dimensional Details

LXWXH- 65\*35\*30MM CTC : 62MM



### Characteristics

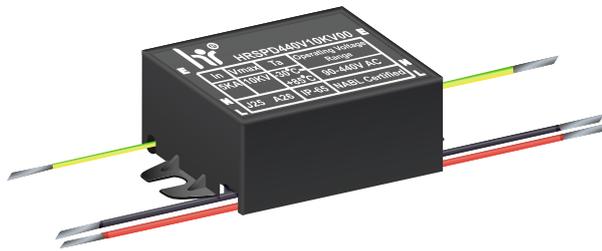
- On day time the typical resistance : 2K $\Omega$  -10K $\Omega$
- On night time the typical resistance : 0.5M $\Omega$  -1.5M $\Omega$
- On day time the typical voltage : 4V - 6V
- On night time the typical voltage : 9V - 13V
- Power consumption day time : up - 0.3W

### Sensor Characteristics

#### LDR Module

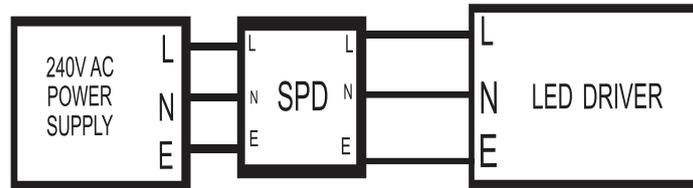
Light Resistance (10 Lux) (K $\Omega$ )	Dark Resistance (M $\Omega$ )	Y	Response Time	
			Increase	Decrease
5-10	0.5	0.5	30	30
10-20	1	0.6	20	30
20-30	2	0.6	20	30
30-50	3	0.7	20	30
50-100	5	0.8	20	30
100-200	10	0.9	20	30

SPD  
Special Applications

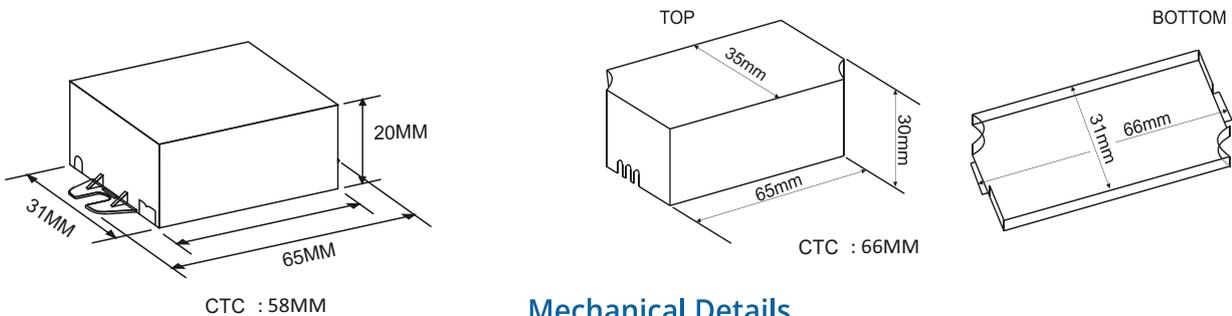


Features

- Surge Protector Device
- Suitable for high-voltage applications
- To protect equipment against high spike
- Induction over voltage and switching over voltage as per standard IEC 61000-4-5



Dimensional Details

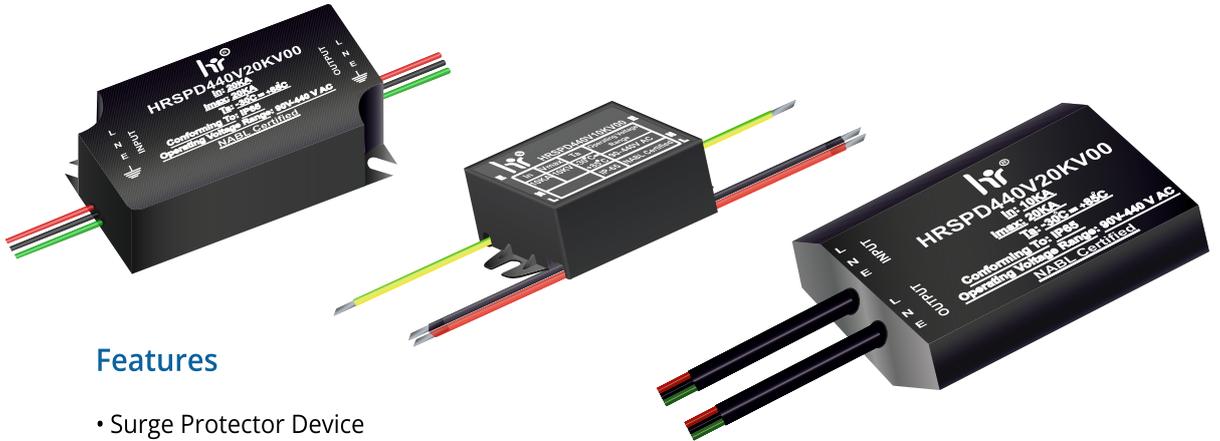


Mechanical Details

SPECIFICATIONS	5KV	10KV	20KV
Max Continuous Operating Voltage	50V to 440AC	50V to 440AC	50V to 440AC
Nominal Discharge Current In (A)	2.5KA	5KA	10KA
Maximum Discharge Current Imax (a)	5KA	10KA	20KA
Voltage Protection Level (Up)	L-N:1400/L-E:1200/N-E:1200	L-N:1400/L-E:1200/N-E:1200	L-N:1400/L-E:1200/N-E:1200
Connection Type	Series/Parallel	Series/Parallel	Series/Parallel
IP Rating	IP65	IP65	IP65
Short CKT Current Rating	2.5KA	5KA	10KA
Maximum Load Current IL	5A	10A	20A
Humidity Range	5% to 95%	5% to 95%	5% to 95%
Operating Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Storage Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Insulation Resistance	>1000 M Ohm's	>1000 M Ohm's	>1000 M Ohm's
Dimensions (L*W*H)(MM)	65*31*20	65*31*20	65*35*30
Warranty	1 Year Warranty	1 Year Warranty	1 Year Warranty

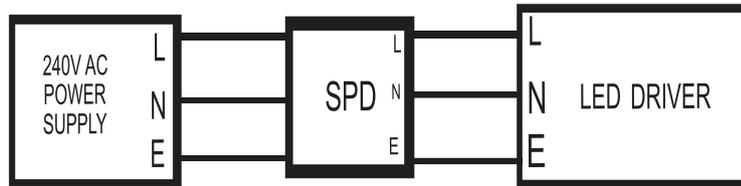
Note: All above ratings are absolute maximum ratings. Stress above these ratings may cause permanent damage to the device

SPD  
Special Applications

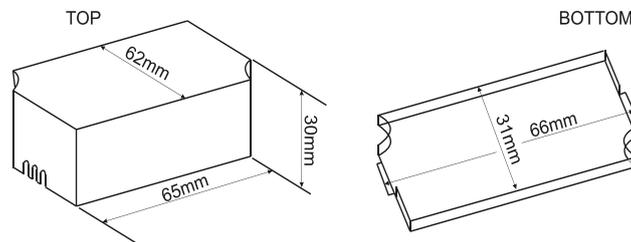


Features

- Surge Protector Device
- Suitable for high-voltage applications
- To protect equipment against high spike
- Induction over voltage and switching over voltage as per standard IEC 61000-4-5



Dimensional Details



Mechanical Details

SPECIFICATIONS	5KV	10KV	20KV
Max Continuous Operating Voltage	50V to 440AC	50V to 440AC	50V to 440AC
Nominal Discharge Current In (A)	5KA	10KA	20KA
Maximum Discharge Current Imax (a)	5KA	10KA	20KA
Voltage Protection Level (Up)	L-N:1400/L-E:1200/N-E:1200	L-N:1400/L-E:1200/N-E:1200	L-N:1400/L-E:1200/N-E:1200
Connection Type	Series/Parallel	Series/Parallel	Series/Parallel
IP Rating	IP65	IP65	IP65
Short CKT Current Rating	2.5KA	5KA	10KA
Maximum Load Current IL	5A	10A	20A
Humidity Range	5% to 95%	5% to 95%	5% to 95%
Operating Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Storage Temperature	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
Insulation Resistance	>1000 M Ohm's	>1000 M Ohm's	>1000 M Ohm's
Dimensions (L*W*H)(MM)	60*35*15	65*35*30	81*40*20
Warranty	1 Year Warranty	1 Year Warranty	1 Year Warranty

Note: All above ratings are absolute maximum ratings. Stress above these ratings may cause permanent damage to the device

### HRI-MPPT60W LED Driver



P1

PIR



P2



Remote

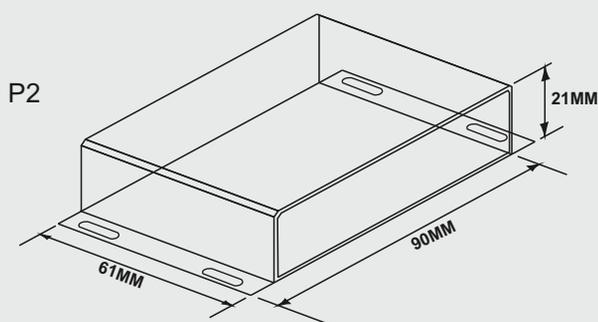
Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Sensing Type	: Microwave
Battery Voltage	: LiFePO4 12.8V/25.6V
Load Current	: 50–4000mA
Load Voltage	: 18–48V
Load Power	: 40W/120W,160W (depending on model)
Efficiency	: ≥95% / ≥96%
Charging Voltage	: 14.4V / 28.8V
Discharge Protection:	11.2V / 22.4V
Return Voltage	: 12.0V / 24.0V
Light Control Voltage	: 5V / 10V
Light Control Delay	: 0.5 min
Working Temp	: -35°C to +55°C
Protection	: Reverse polarity, over voltage, short circuit, BMS overcharge, etc.
Protection Grade	: IP67
Weight-	40W-200 Gram,80W-270 Gram

Dimensions	P1 : 61*90*21 MM
	P2 : 90*61*21 MM
	P3 : 88*86*21 MM

### Dimensional Details



### Features

- ★ Specially designed for 12.8/25.6V Li-Fe-PO4, with a boost constant current output.
- ★ Battery reverse connection protection, output short circuit, and open circuit protection.
- ★ Integrated boost digital power supply, smart algorithm for automatic dimming.
- ★ Three-stage MPPT charging, intelligent lithium battery charge/discharge management, extends battery life.
- ★ Industrial-grade MCU with full digital technology, high precision, anti-interference, anti-aging, and no drift.
- ★ Waterproof design, protection grade up to IP67, industrial-grade design standards, operating temperature -35°C to 55°C.
- ★ Intelligent light control, time control, dawn lighting, and optional PIR motion sensing.
- ★ We can set the power, battery voltage, current & time by remote.

**Model 7-24W:** PV-12V80W, 5A Charging, 24W Load.

**Model 24-40W:** PV-12V160W or 24V/320W, 10A Charging, 40W Load.

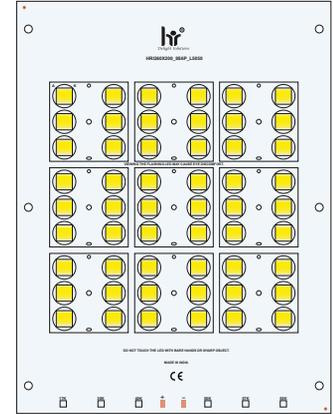
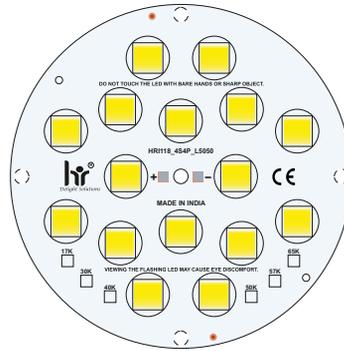
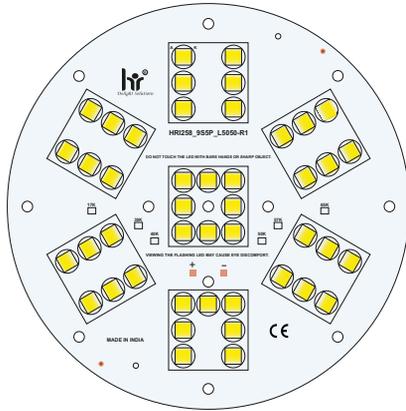
**Model 50-120W:** PV-12V200W or 24V/400W, 15A Charging, 120W Load.

**Model 120-160W:** PV- 24V/480W, 15A Charging, 160W Load.

### Indicators Description: -

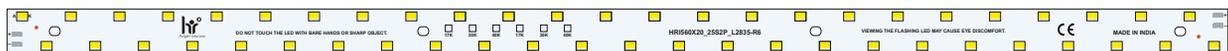
- PV Panel Indicator (Green)
- Battery Indicator (Red)

## HRI-LED Modules



### LED Module Application

- Down Light
- Street Light
- Flood Light
- Highbay Light
- Well Glass Light



### LED Strip Application

- 2\*2 Light
- Clean room light
- Tube Light
- Linear Light

## EV CHARGER



Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 80%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +85°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13:
Connections	: Wires for Input & Output

### Features

- Protection : Output Short Circuit, Over Voltage, Under Voltage, No load
- Built-in active PFC function
- IP65 design Universal AC input (up to 300 Vac)
- Meet 6 KV surge immunity level ( IEC61000- 4-5 )
- Class I power units / pass LPS
- Suitable for Outdoor LED Lighting / LED Strips
- 3/5 Years warranty
- EV Charger use for 2 Wheeler 3 Wheeler & also 4 Wheeler

**E-2W**



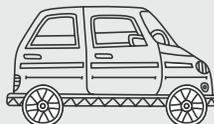
**E-3W**

(passenger/ goods)



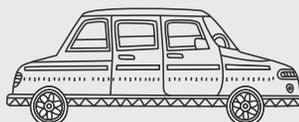
**E-cars**

(1st generation)



(2nd generation)

**E-cars**



### Electrical Specifications

#### EV CHARGER (A) (Input 400 Watt)

Serial Number	Output Voltage	Output Current	Output Wattage
	Min- Max	Min- Max	Min- Max
01	48Vdc	5A	240W
02	60Vdc	5A	300W
03	72Vdc	5A	360W

### Electrical Specifications

#### EV CHARGER (B) (Input 750 Watt)

Serial Number	Output Voltage	Output Current	Output Wattage
	Min- Max	Min- Max	Min- Max
01	48Vdc	10A	480W
02	60Vdc	10A	600W
03	72Vdc	10A	720W

# SMART AND INTELLIGENT PD CHARGER

PD CHARGER



Note: Product Images are for reference only, Screen image change with respect to product specification.

## Technical Specifications

Operating input voltage range : 100-300 Vac; 50/60 Hz; 140-300 Vdc

## Applications



Mobile



Laptop



I-pad



Table Lamp



Mini Speaker



Mini Fan

## Features

- Protection: Output short circuit, Over voltage, Over Current.
- Efficiency >87%.
- 2 Years Warranty.
- Smart & Intelligent Charger for Smartphones, Tablets, Laptops, Table Lamps, Mini Speakers, I-Pads, MacBooks & Mini Fans.
- High Efficiency – Faster charging, Less heat generation, and better power conversion.
- Fast Charging (USB-C PD) – Supports USB Power Delivery protocol for rapid charging of smartphones, tablets, laptops, and other USB-C devices.
- Smart Power Allocation – Automatically detects connected devices and adjusts output for safe & optimal charging.
- Sleek, Travel-Friendly, Compact & Portable Design.

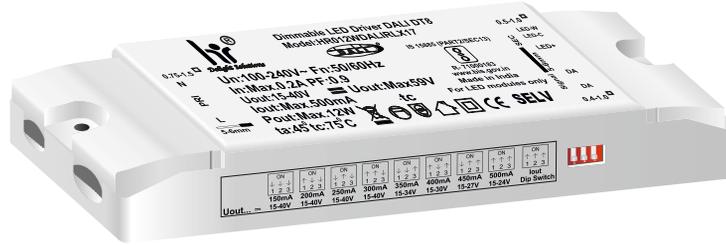
## Electrical Specifications

### Mobile & Laptop Charger

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	5-20V auto	2.25A Max	45W
02	5-20V auto	3.25A Max	65W
03	5-20V auto	5A Max	100W

## 12W DIMMABLE LED DRIVER DALI DT8

DALI- X17  
LED Driver - CC



Note: Product Images are for reference only, Screen image change with respect to product specification.

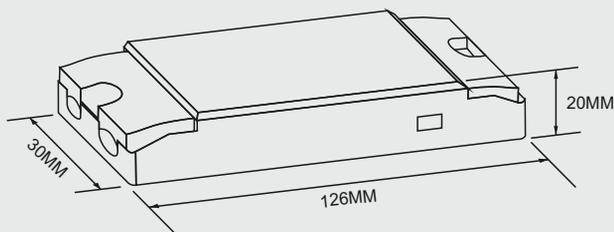
### Technical Specifications

Operating input voltage range	: 100-240 Vac; 50/60 Hz; 140-300 Vdc
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 80%
PF	: > 0.95
Standard loss	: 0.3 Watt
Inrush Current	: Cold Start 15A
Working temperature (ta)	: -20°C to +45°C
Case temperature (tc)	: +75°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13
Connections	: Connector for Input & Output
Dimension (L*W*H)(MM)	: 126*30*20 CTC : 103MM

### Features

- Protection : Output Short Circuit, No load
- Built-in active PFC function
- IP20 design AC input (up to 240 Vac)/Full range
- Class-2 power units / pass LPS
- Meet 3 KV surge immunity level ( IEC61000- 4-5 )
- Suitable for Indoor LED Lighting
- 3/5 Years warranty
- Support DALI-2+PushDim
- Smooth dimming, flicker-free, dimming range 0.1-100%
- DIP switch for multi-current setting, Max. output power 12W
- Dimmable & CCT tunable

### Dimensional Details



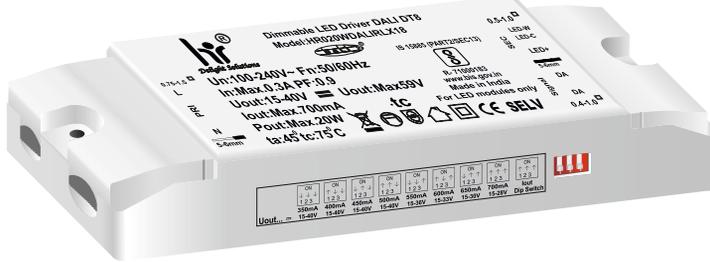
### Electrical Specifications

#### DALI - X17 ( Input 3-15 Watt) Plastic Body

Number	Output				Switch Position		
	Current (mA)	Voltage (VDC)	No Load Output Voltage (VDC)	Power (W)	1	2	3
*1	150	15-40	59	6	/	/	/
2	200	15-40		8	ON	/	/
3	250	15-40		10	/	ON	/
4	300	15-40		12	ON	ON	/
5	350	15-33		12	/	/	ON
6	400	15-30		12	ON	/	ON
7	450	15-27		12	/	ON	ON
8	500	15-24		12	ON	ON	ON

## 20W DIMMABLE LED DRIVER DALI DT8

DALI- X18  
LED Driver - CC



Note: Product Images are for reference only, Screen image change with respect to product specification.

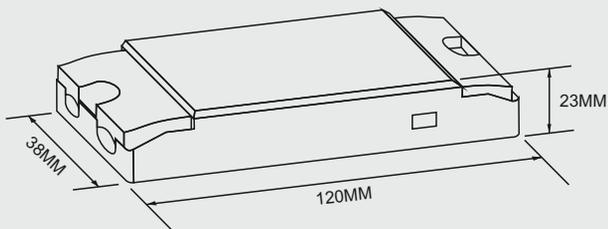
### Technical Specifications

Operating input voltage range	: 100-240 Vac; 50/60 Hz; 140-300 Vdc
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 83%
PF	: > 0.95
Standard loss	: 0.3 Watt
Inrush Current	: Cold Start 15A
Working temperature (ta)	: -20°C to +45°C
Case temperature (tc)	: +75°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13
Connections	: Connector for Input & Output
Dimension (L*W*H)(MM)	: 120*38*23 CTC : 111MM

### Features

- Protection : Output Short Circuit, No load
- Built-in active PFC function
- IP20 design AC input (up to 240 Vac)/Full range
- Class-2 power units / pass LPS
- Meet 3KV surge immunity level ( IEC61000- 4-5 )
- Suitable for Indoor LED Lighting
- 3/5 Years warranty
- Support DALI-2+PushDim
- Smooth dimming, flicker-free, dimming range 0.1-100%
- DIP switch for multi-current setting, Max. output power 20W
- Dimmable & CCT tunable

### Dimensional Details

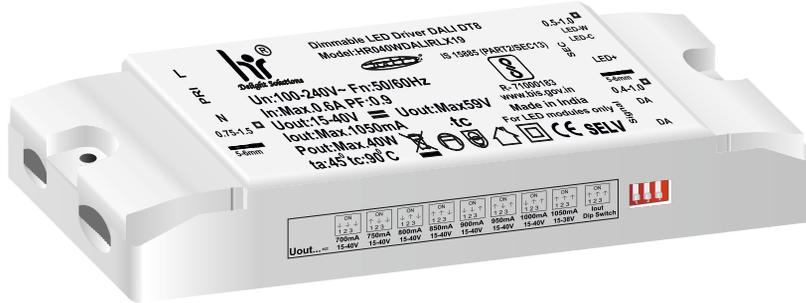


### Electrical Specifications

#### DALI - X18 ( Input 5-24 Watt) Plastic Body

Number	Output				Switch Position		
	Current (mA)	Voltage (VDC)	No Load Output Voltage (VDC)	Power (W)	1	2	3
*1	350	15-40	59	14	/	/	/
2	400	15-40		16	ON	/	/
3	450	15-40		18	/	ON	/
4	500	15-40		20	ON	ON	/
5	550	15-36		20	/	/	ON
6	600	15-33		20	ON	/	ON
7	650	15-30		20	/	ON	ON
8	700	15-28		20	ON	ON	ON

### DALI- X19 LED Driver - CC



Note: Product Images are for reference only, Screen image change with respect to product specification.

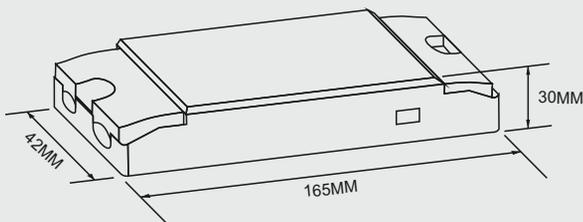
### Technical Specifications

Operating input voltage range :	100-240 Vac; 50/60 Hz; 140-300 Vdc
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 87%
PF	: > 0.95
Standard loss	: 0.3 Watt
Inrush Current	: Cold Start 25A
Working temperature (ta)	: -20°C to +45°C
Case temperature (tc)	: +90°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13
Connections	: Connector for Input & Output
Dimension (L*W*H)(MM)	: 165*42*30 CTC : 138MM

### Features

- Protection : Output Short Circuit, No load
- Built-in active PFC function
- IP20 design AC input (up to 240 Vac)/Full range
- Class-2 power units / pass LPS
- Meet 3KV surge immunity level ( IEC61000- 4-5 )
- Suitable for Indoor LED Lighting
- 3/5 Years warranty
- Support DALI-2+PushDim
- Smooth dimming, flicker-free, dimming range 0.1-100%
- DIP switch for multi-current setting, Max. output power 40W
- Dimmable & CCT tunable

### Dimensional Details



### Electrical Specifications

#### DALI - X19 ( Input 9-46 Watt) Plastic Body

Number	Output				Switch Position		
	Current (mA)	Voltage (VDC)	No Load Output Voltage (VDC)	Power (W)	1	2	3
•1	700	15-40	59	28	/	/	/
2	750	15-40		30	ON	/	/
3	800	15-40		32	/	ON	/
4	850	15-40		34	ON	ON	/
5	900	15-40		36	/	/	ON
6	950	15-40		38	ON	/	ON
7	1000	15-40		40	/	ON	ON
8	1050	15-38		40	ON	ON	ON



Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Operating input voltage	: 120-300Vac; 50/60 Hz.
Input current	: 210mA (230VAC @full load)
Power factor	: 0.98
THD	: <10%
Efficiency	: >88%

### Output parameters

Output voltage	: 24VDC
Output current range	: 0-2500mA
Accuracy in output parameter	: $\pm 3\%$
Load current	: Automatically drop
Solar energy	: Yes

### Features

- Short circuit protection, Open circuit protection, Phase loss protection.
- Input high voltage protection 300Vac, Low voltage protection 120Vac.
- Surge protection.
- Step control regulator solution.
- Remote control can be controlled remotely.
- Natural air cool design, Highly reliable.
- Compatible with 24VDC motor, Customized according to DC motor voltage.
- HRI developed and copied the correct design, using advance BLDC algorithm.
- Reserved solar port, support expansion function.

### Speed control 5th gear

I Step Cap.	Watt	RPM
NO.1(Min)	5.62W	120RPM
NO.2	11.4W	210RPM
NO.3	19.6W	263RPM
NO.4	24.5W	298RPM
NO.5(Max)	40.5W	380RPM

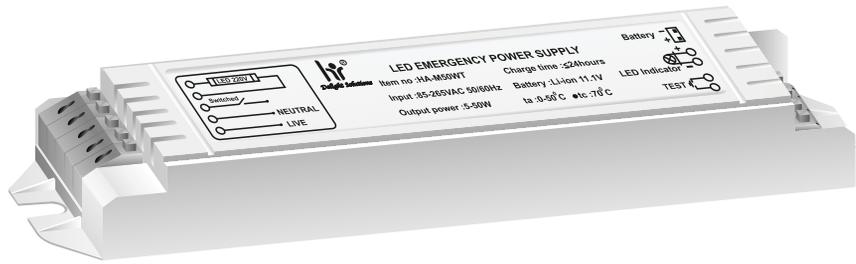
Remarks: gear power can be customized\*

### Remote control

1. Timer control: Press the button once and the driver indicator flashes once, indicating that the timer has started. To cancel the timer, press the same button again and the LED will flash twice. As a result, the timer has been canceled. Or use the Close button.
2. Nature: Press the button, and the LED flashes once. Once natural wind mode is activated. The speed will gradually change from 1 to 5. Press any speed button.
3. Do not need to run, please press the close button.
4. Two AAA size batteries are required. If the product is not used for a long time, please remove the batteries.

## 3-50W CONVERTER

LED EMERGENCY CONVERTER



Note: Product Images are for reference only, Screen image change with respect to product specification.

### Emergency power technical data

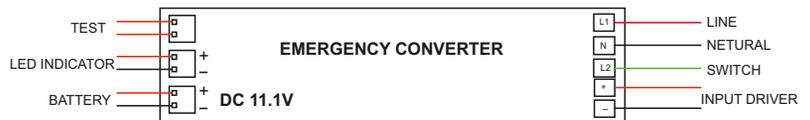
Input rated voltage: 85–265V AC 50–60Hz  
 Input current: 13–20mA  
 Power factor: 0.5  
 Output voltage: DC 200–240V  
 Charge time: ≤24 hours  
 Battery charging current: 0–220mA  
 Output emergency power: 50W Max  
 Emergency time: 3–50W (60–180 minutes)  
 Battery cells capacity (Li-ion): 11.1V 4000mAh  
 Ambient range: -10...50°C Max.  
 Casing temperature: tc 70°C  
 Storage temperature: -10...45°C  
 IP-30 protection  
 Dimension Lx-WxH-180\*30\*25MM CTC : 172MM

### Non-maintained LED Emergency conversion kit

#### Product description:

LED emergency module suitable for direct installation in LED lamps  
 Used with ternary Li-Ion battery.  
 Accessory-Test switch, power indicator and charge indicator  
 Power indicator light: Red  
 Simulated power failure test switch

### Connection Diagram



# RIPPLE REMOVER DEVICE

## 25-40V OUTPUT VOLTAGE

### Specifications

Ripple remover device  
 Output voltage range 25V-40V  
 Output current range 100mA -1000mA  
 Output ripple <5%  
 Compatible with HRI drivers only  
 Dimension Lx-WxH-40\*20\*23MM CTC : 52MM



# HOUSEHOLD CLASSIC HYBRID INVERTER

## Built-in MPPT Modular Design Plug

Support single-phase mode, support grid connection mode

INVERTER



Note: Product Images are for reference only, Screen image change with respect to product specification.

### Technical Specifications

Voltage	: 240V AC
Optional voltage range	: 170-280V AC(personal computer) 90-280V AC(household appliances)
Frequency range	: 50/60 Hz
Efficiency	: 96.5%
Working temperature (ta)	: -10° to 50°C
Storage temperature	: -15° to 60°C
Product size(L*W*H)(MM)	: 302*490*110
Net weight(kg)	: 8.44
Communication interface	: RS232/RS485CAN/Drycontact

### Output parameters

AC stabilized voltage	: 230V AC+/-5%
Surge power	: 7kVA/11kVA
Switching time	: 10ms(For PC) 20ms(For Home Appliances)
Wave Form	: Pure Sine Wave

### Battery parameters

Battery type	: Lead acid + Lithium battery
Battery voltage range	: 21-33V/ 42-60V
Charging curve	: Three-Stage
Lithium battery chargingstrategy	: Adaptive to lithium battery

### Photovoltaic Charging & AC Charging

Maximum photovoltaic power	: 3500W/5500W
Maximum PV open circuit voltage	: 500V DC
MPPT range & working voltage	: 120-450V DC
Maximum solar charging current	: 100A
Maximum AC charging current	: 60A

### Features

- Single-phase hybrid solar inverter.
- Support lithium battery charging and discharging management.
- Optional WI-FI module, support remote App monitoring.
- Highly integrated plug.
- Maximum efficiency increased 98.7%.
- Seamlessly enable backup power.
- Easy to install and maintain.
- Support lithium battery adaptive.
- 2 years warranty.

### Technical parameters

Sr.No.	Model	Rated power
01	HR HF 3500-24	3500VA/3500W
02	HR HF 5500-48	5500VA/5500W

# HIGH POWER HYBRID INVERTER

Single phase high power 8KW  
Hybrid energy storage system

INVERTER



Note: Product Images are for reference only, Screen image change with respect to product specification.

## Technical Specifications

Voltage	: 230V AC
Optional voltage range	: 120-280V AC
Frequency range	: 50/60 Hz
Efficiency	: 97.5%
Working temperature (ta)	: -10° to 50°C
Storage temperature	: -15° to 60°C
Product size(L*W*H)(MM)	: 490*580*139
Net weight(kg)	: 21
Communication interface	: USB & RS232/RS485CAN
Parallel function	: Yes

## Output parameters

Nominal output voltage	: 220/230/240V AC
Output voltage range	: 184-265V AC
Nominal output current	: 25.5A/24.3A/23.3A
Surge power	: 16kVA
Automatic transfer time	: <8ms
Wave Form	: Pure Sine Wave

## Battery parameters

Battery type	: Lead acid + Lithium battery
Battery voltage range	: 42-60 V
Charging curve	: Three-Stage
Lithium battery chargingstrategy	: Adaptive to lithium battery

## Battery & Charger

Maximum output power	: 8000W
Maximum PV open circuit voltage	: 500V DC
MPPT range & working voltage	: 120-450V DC
Nominal DC voltage	: 48V DC
Maximum solar charging current	: 120A
Maximum AC charging current	: 120A
Maximum charging current	: 120A

## Features

- Single-phase hybrid solar inverter.
- Support lithium battery charging and discharging management.
- Optional WI-FI module, support remote App monitoring.
- Support three-phase mode, support grid connection mode.
- 2 years warranty.

## Technical parameters

Sr.No.	Model	Rated power
01	HR HFC 8000-48 PLUS	8000VA/8000W

# ON-GRID INVERTER

Single phase 1kw to 10kw

Three phase 4kw to 25kw

INVERTER



Note: Product Images are for reference only, Screen image change with respect to product specification.

## Technical Specifications

-  Big LCD display
-  Power export limit
-  Compact and easy to install
-  Wifi/GPRS/Lan communication optional

## Features

- Maximum efficiency 98.2%
- Power factor 1% adjustable from 0.8 leading to 0.8 lagging
- THDi <2.5%
- DC reverse-polarity protection
- Anti-islanding / Overvoltage protection
- Short circuit protection
- Leakage current protection
- Grid monitoring / Ground fault monitoring
- IP-65 according to IEC60529
- 5/10 years warranty

## ANYTIME, ANYWHERE REMOTE MONITORING PLATFORM

Monitor system performance in real-time via smartphone app or web portal using our advanced monitoring platform.



## On-Grid Inverter Single Phase

Sr.No.	Model	MPPT VOLTAGE	Max Output Power
01	HR2200WOGI	100-450VDC	2420W
02	HR3000WOGI	100-450VDC	3300W
03	HR4400WOGI	100-500VDC	4400W
04	HR5000WOGI	100-500VDC	5500W
05	HR6000WOGI	100-500VDC	6600W

## On-Grid Inverter Three Phase

Sr.No.	Model	MPPT VOLTAGE	Max Output Power
01	HR04KWOGIT	160-850VDC	5000W
02	HR05KWOGIT	160-850VDC	6000W
03	HR06KWOGIT	160-850VDC	7000W
04	HR08KWOGIT	160-850VDC	8800W
05	HR10KWOGIT	160-850VDC	11000W
06	HR12KWOGIT	160-850VDC	13200W
07	HR15KWOGIT	160-850VDC	16500W
08	HR17KWOGIT	200-850VDC	18700W
09	HR20KWOGIT	200-850VDC	22000W
10	HR25KWOGIT	200-850VDC	27500W



**Simpler**

Quick and easy single person installation  
Fault codes warning view on LCD display  
Built-in limiter optional



**Safer**

comply with international quality standards  
tested by TUV,BV,Dekra etc.



**Great reliability**

IP65 ingress protection  
10+years R&D accumulation and support

# TRACK ADAPTOR DRIVER

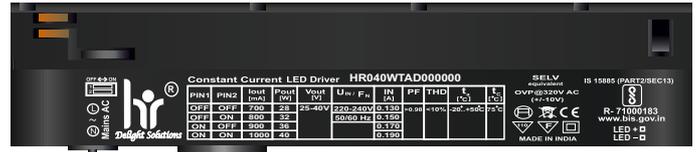
## 15-45W CC LED DRIVER WITH MULTI CURRENT

### TRACK DRIVER LED Driver - CC



P1

3M



P2

4M

Note: Product Images are for reference only, Screen image change with respect to product specification.

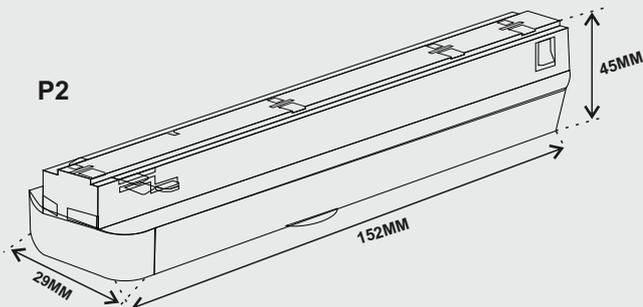
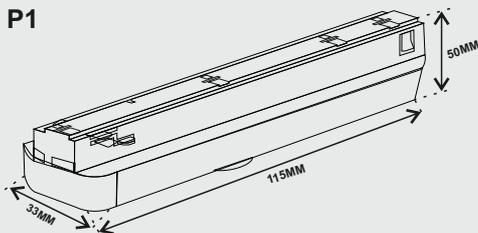
### Technical Specifications

Operating input voltage range	: 110-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac ( +/- 10 V )
Under voltage protection	: Yes. 90 Vac ( +/- 10 V )
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +75°C
SAFETY standards	: IS 15885 (PART2/SEC13),

Connections : Connector for Input & Output

Dimension (L\*W\*H)(MM) **P1** : 115\*33\*50  
**P2** : 152\*29\*45

### Dimensional Details



### Features

- Protection : Output Short Circuit, Over Voltage, Under Voltage, No Load
- Built-in active PFC function
- Built-in track Adaptor
- Adjustable output current
- IP 20 design Universal AC input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level ( IEC61000- 4-5 )
- Class 2 power units / pass LPS
- Suitable for dry location
- Suitable for Indoor LED lighting
- 3/5 Years warranty
- Track Pin available in 3M/4M

### Electrical Specifications

Configuration					Configuration				
PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)
OFF	OFF	500mA	20W	25-40 V	OFF	OFF	700mA	28W	25-40 V
OFF	ON	600mA	24W		OFF	ON	800mA	32W	
ON	OFF	700mA	28W		ON	OFF	900mA	36W	
ON	ON	800mA	32W		ON	ON	1000mA	40W	
ON	ON	800mA	32W		ON	ON	1000mA	40W	











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