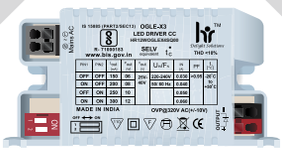
Delight Solutions

SINCE 2012













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.

Delight Solutions

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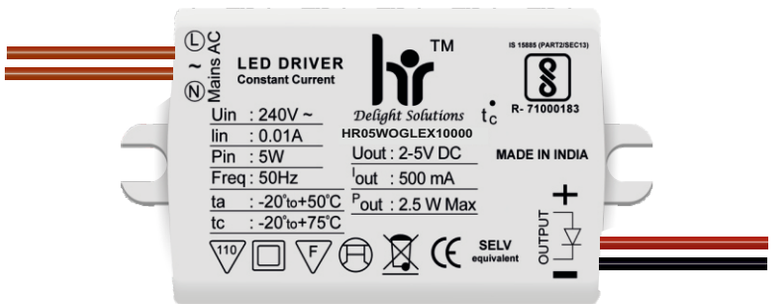
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Delight Solutions

OGLE - X1

2-9W SINGLE OUTPUT WITH PFC

OGLE - X1
LED Driver - CC



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

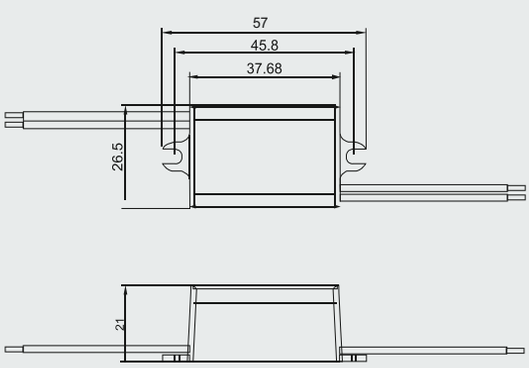
Technical Specifications of Non-Isolated Driver

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)	: 57*28*21.3

Technical Specifications of Isolated Driver

Operating input voltage range	: 100-300 Vac; 50/60 Hz;
Thermal protection	: Yes. 110°C (+/- 10°C)
THD	: < 15%
Efficiency	: > 80%
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)

Dimensional Details



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

OGLE - X1(Input 2-9 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	100-200 mA	1W - 8W

ISOLATED DRIVER

Electrical Specifications

OGLE - X1(Input 1-9 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	03-05 V	200-600 mA	1W - 4W
02	05-12 V	500-700 mA	1W - 8W
03	25-40 V	100-200 mA	1W - 8W

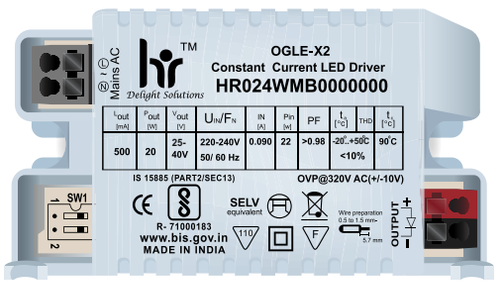
Note: Lower voltage & higher current efficiency >40%

Delight Solutions

OGLE - X2

4-27W SINGLE OUTPUT WITH PFC

OGLE - X2
LED Driver - CC



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

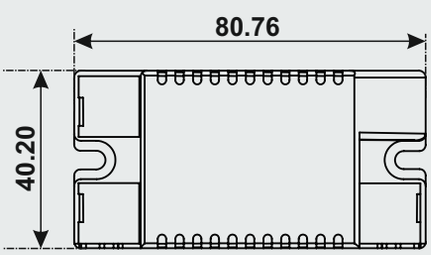
Technical Specifications

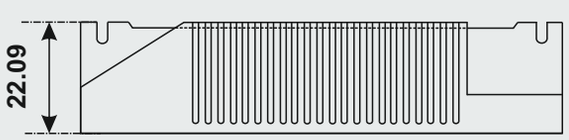
Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage Protection	: 80 Vac
Withstand Voltage	: 440 Vac For 8Hrs
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 85%
PF	: > 0.98
Standard loss	: 0.3 Watt
Working 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
Connections	: Connector for Input & Output

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

Dimensional Details





Electrical Specifications

OGLE - X2 (Input 4-27 Watt)

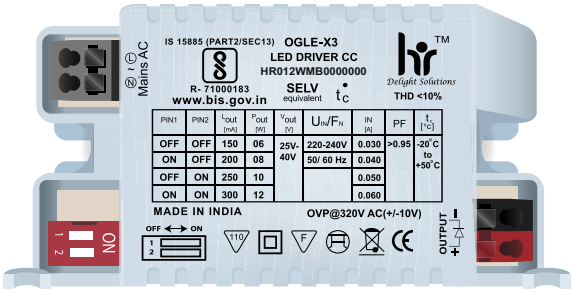
Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	150-600 mA	3W - 24W
02	40-60 V	200-350 mA	3W - 24W
03	60-80 V	200 -300mA	3W - 24W

Delight Solutions

OGLE - X3

4-27W SINGLE OUTPUT WITH PFC WITH MULTI CURRENT

OGLE - X3
LED Driver - CC



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

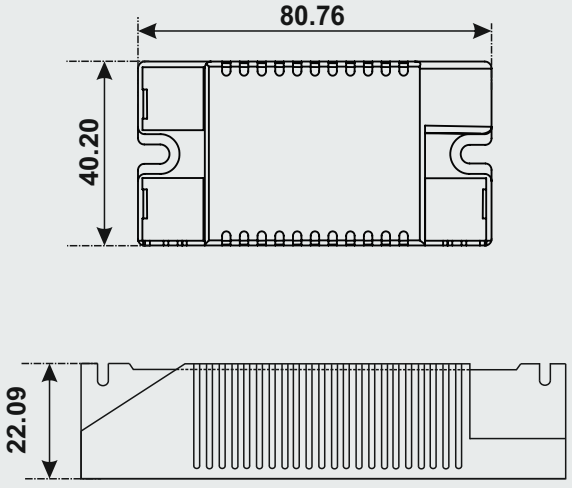
Technical Specifications

Operating input voltage range	: 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
Connections	: Connector for Input & Output

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

Dimensional Details



Electrical Specifications

OGLE - X3 (Input 4-27 Watt) With DIP Switch

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

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

Configuration				
PIN1	PIN2	Lout {mA}	Pout {W}	Vout {V}
OFF	OFF	150mA	12W	60-80 V
ON	OFF	200mA	16W	
OFF	ON	250mA	20W	
ON	ON	300mA	24W	

Delight Solutions

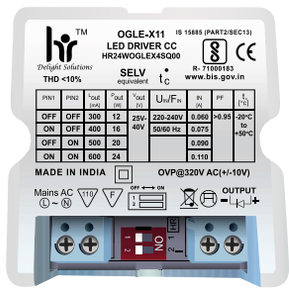
OGLE - X4

4-27W SINGLE OUTPUT WITH PFC

OGLE - X4
LED Driver - CC



P1



P2

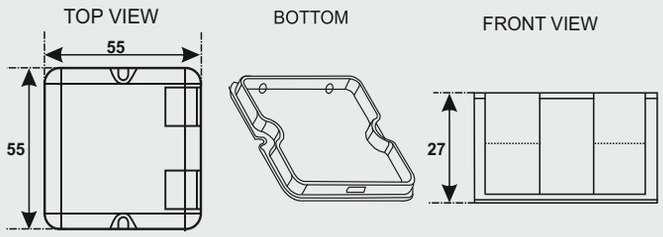
Note: Product Images are for reference only, Screen image change with respect to product specification.

Technical Specifications

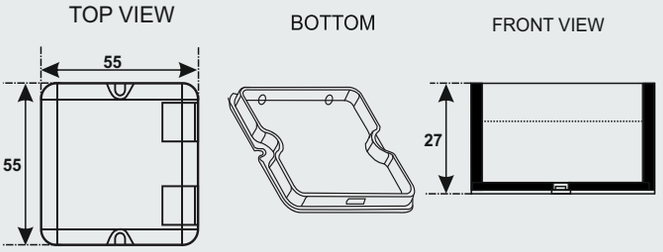
Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage Protection	: 80 Vac
Withstand Voltage	: 440 Vac
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 85%
PF	: > 0.98
Standard loss	: 0.3 Watt
Working temperature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

Dimensional Details

P1



P2



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 Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	150-600 mA	3W-24W
02	40-60 V	150-400 mA	3W-24W
03	60-80 V	150-300 mA	3W-24W

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

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

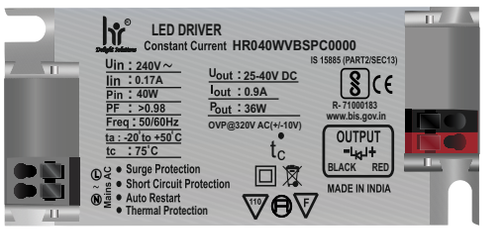
Configuration					Configuration				
PIN1	PIN2	Lout {mA}	Pout {W}	Vout {V}	PIN1	PIN2	Lout {mA}	Pout {W}	Vout {V}
OFF	OFF	250mA	15W	40-60 V	OFF	OFF	150mA	12W	60-80 V
ON	OFF	300mA	18W		ON	OFF	200mA	16W	
OFF	ON	350mA	21W		OFF	ON	250mA	20W	
ON	ON	400mA	24W		ON	ON	300mA	24W	

Delight Solutions

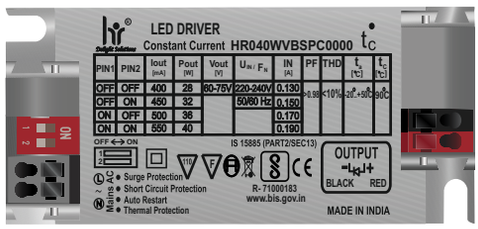
OGLE - X5

20-50W SINGLE OUTPUT WITH PFC

OGLE - X5
LED Driver - CC



P1



P2

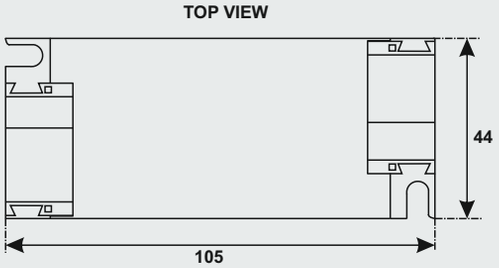
Note: Product Images are for reference only, Screen image change with respect to product specification.

Technical Specifications

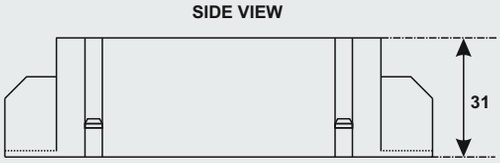
Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage protection	: Yes. 90 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +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

Dimensional Details

TOP VIEW



SIDE VIEW



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 Min- Max	Output Current Min- Max	Output Wattage 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	Lout {mA}	Pout {W}	Vout {V}	PIN1	PIN2	Lout {mA}	Pout {W}	Vout {V}
OFF	OFF	900mA	32W	25-36 V	OFF	OFF	500mA	20W	25-40 V
ON	OFF	1000mA	36W		ON	OFF	600mA	24W	
OFF	ON	1100mA	40W		OFF	ON	700mA	28W	
ON	ON	1200mA	43W		ON	ON	800mA	32W	

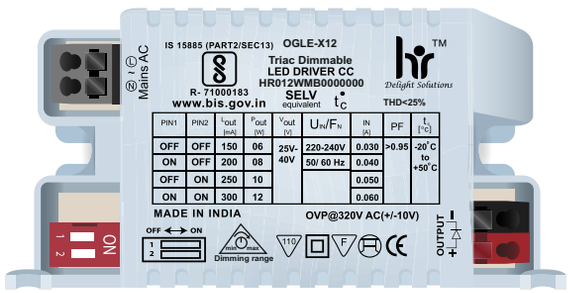
Configuration					Configuration				
PIN1	PIN2	Lout {mA}	Pout {W}	Vout {V}	PIN1	PIN2	Lout {mA}	Pout {W}	Vout {V}
OFF	OFF	400mA	24W	40-60 V	OFF	OFF	250mA	20W	60-80 V
ON	OFF	500mA	30W		ON	OFF	350mA	28W	
OFF	ON	600mA	36W		OFF	ON	450mA	36W	
ON	ON	700mA	42W		ON	ON	550mA	45W	

Delight Solutions

OGLE - X6

TRIAC DIMMABLE
8-18W SINGLE OUTPUT WITH PFC

OGLE - X6
LED Driver - CC



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

Technical Specifications

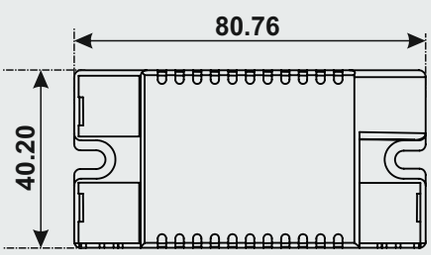
Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 25%
Efficiency	: > 85%
PF	: > 0.95
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +50°C
Case 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)	: 80*40*22

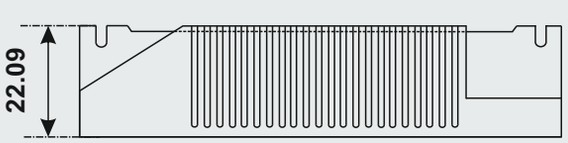
Features

- 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%

Dimensional Details





Electrical Specifications

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

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

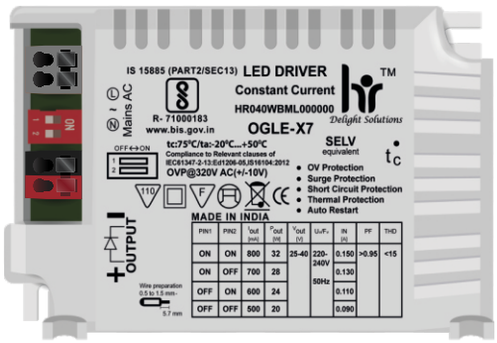
Configuration					Configuration				
PIN1	PIN2	Lout {mA}	Pout {W}	Vout {V}	PIN1	PIN2	Lout {mA}	Pout {W}	Vout {V}
OFF	OFF	200mA	8W	25-40 V	OFF	OFF	150mA	8W	40-55 V
ON	OFF	250mA	10W		ON	OFF	200mA	11W	
OFF	ON	300mA	12W		OFF	ON	250mA	14W	
ON	ON	350mA	14W		ON	ON	300mA	16W	

Delight Solutions

OGLE - X7

15-40W SINGLE OUT PUT WITH PFC

OGLE - X7
LED Driver - CC

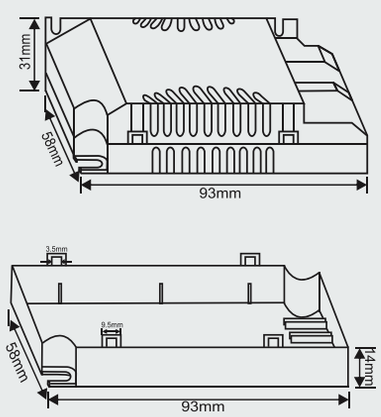


Note: Product Images are for reference only, Screen image change with respect to product specification.

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. 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)	: 93*58*31

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
- Current Adjustable (DIP switch)

Configuration					Configuration				
PIN1	PIN2	Lout {mA}	Pout {W}	Vout {V}	PIN1	PIN2	Lout {mA}	Pout {W}	Vout {V}
OFF	OFF	700mA	28W	30V-40Vdc	OFF	OFF	300mA	24W	65V-80Vdc
ON	OFF	800mA	32W		ON	OFF	400mA	32W	
OFF	ON	900mA	36W		OFF	ON	450mA	36W	
ON	ON	1000mA	40W		ON	ON	500mA	40W	

- Suitable for dry, damp & wet location
- Suitable for Indoor/Outdoor LED lighting
- User flexibility with four different output currents
- 3/5 Years warranty

Electrical Specifications

OGLE - X7 (Input 15-40 watt)

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	300mA	18W	40-60 V
ON	OFF	600mA	24W		ON	OFF	400mA	24W	
OFF	ON	700mA	28W		OFF	ON	500mA	30W	
ON	ON	800mA	32W		ON	ON	600mA	36W	

Delight Solutions

OGLE - X8

5-15W CCT SWITCH DIMMABLE DRIVER

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%
THD	: < 20%
Efficiency	: > 85%
PF	: > 0.95
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)	: 55*32*20

Features

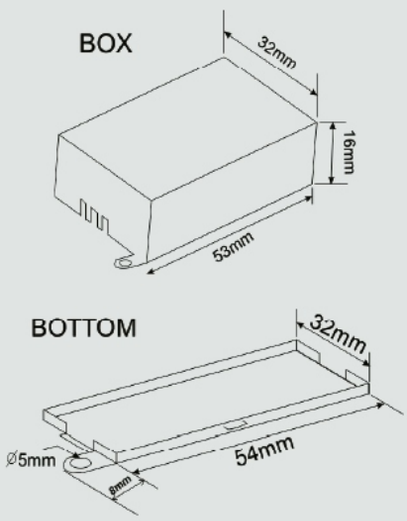
- Protection: Short Circuit, No Load ,Over Temperature
- Buit-In Active PFC Function
- IP20 Design Universal AC Input(Up to 300Vac)
- Meet 4kV Surge Immunity Level (IEC61000-4-5)
- Suitable for Indoor LED Lighting
- 3 Years Warranty

Special Features

- Integrated Input OVP, when input voltage is higher than 375Vac, turns off the power switch, resumes at input voltage below 320Vac. Enhances anti-surge capability and improves system reliability.

- 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

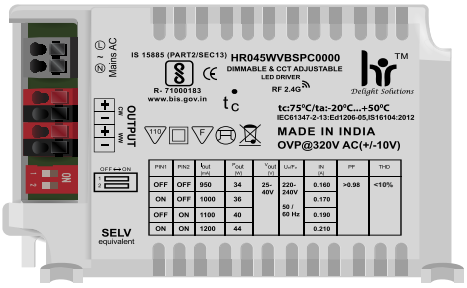
OGLE - X8 (Input 5-15 Watt (CCT SWITCH DIMMABLE))

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

OGLE - X9

30-50W DIMMABLE & CCT TUNABLE

OGLE - X9
LED Driver - CC





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

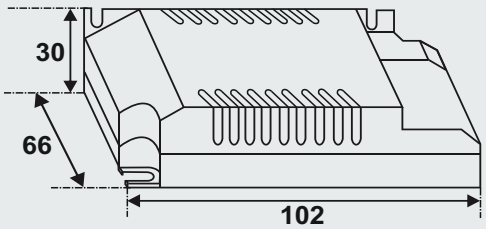
Technical Specifications

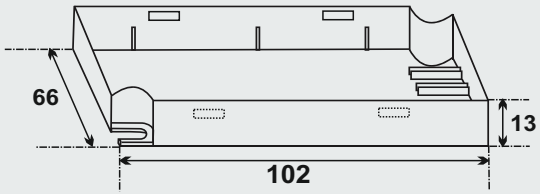
Voltage (Un)	: 240 Vac
Operating Voltage Range	: 110 ~300Vac
Frequency (Hz)	: 50 / 60 Hz
Power Factor @Full Load(PF)	: > 0.95
Power Factor @50% load (PF)	: >0.90
THD @Full Load	: <10%
THD @50% Load	: <20%
Efficiency	: >85%
Over Voltage Cutoff	: 320V (Tole - +/-10V)
Automatic Restart	: 300V
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20 ℃ to +50 ℃
Case temperature (tc)	: +75°C
Dimension (L*W*H)(MM)	: 102*66*30

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

Dimensional Details





Electrical Specifications

P1- 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

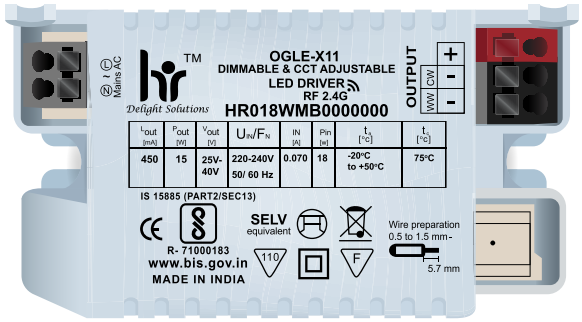
P2- OGLE - X9 (Input 30-50 Watt) With DIP Switch

Configuration					Configuration				
PIN1	PIN2	Lout {mA}	Pout {W}	Vout {V}	PIN1	PIN2	Lout {mA}	Pout {W}	Vout {V}
OFF	OFF	950mA	34W	25-40 V	OFF	OFF	500mA	27W	40-55 V
ON	OFF	1000mA	36W		ON	OFF	600mA	33W	
OFF	ON	1100mA	40W		OFF	ON	700mA	38W	
ON	ON	1200mA	44W		ON	ON	800mA	44W	

OGLE - X10

7-18W DIMMABLE & CCT TUNABLE

OGLE - X10
LED Driver - CC





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

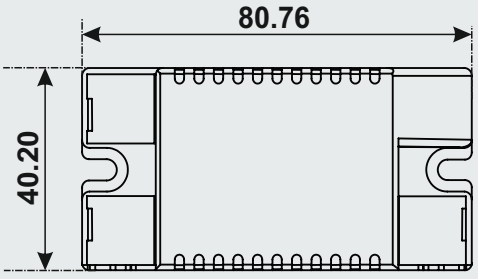
Technical Specifications

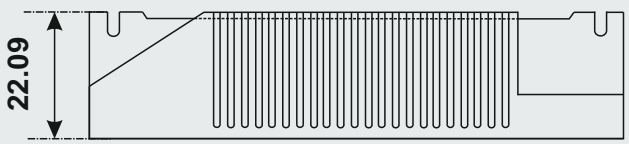
Voltage (Un)	: 240 Vac
Operating Voltage Range	: 180-265VAc
Frequency (Hz)	: 50 / 60 Hz
Maximum Input Current	: 0.08A
Input Power (W)	: 18W
Power Factor @Full Load(PF)	: > 0.5
Efficiency	: >80%
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +75°C
Dimension (L*W*H)(MM)	: 80*40*22

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 1.5 KV surge immunity level (IEC61000- 4-5)
- Groups control: 100 groups individually
- 4 Step dimming and CCT adjusting
  Step-less dimming and CCT Adjusting
- Available with Wi-Fi module IOT connectivity with HRI IOS/Android mobile application
- 3/5 years warranty

Dimensional Details





Electrical Specifications

OGLE - X10 (Input 7-18 Watt)

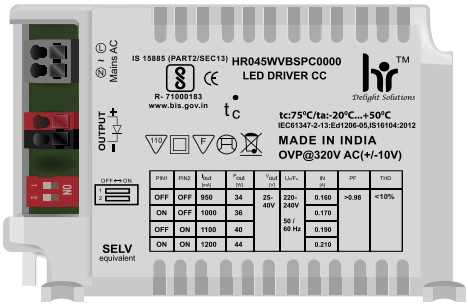
Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	150-450 mA	6W - 15W

Delight Solutions

OGLE - X11

30-60W SINGLE OUTPUT WITH PFC MULTI CURRENT

OGLE - X11
LED Driver - CC



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

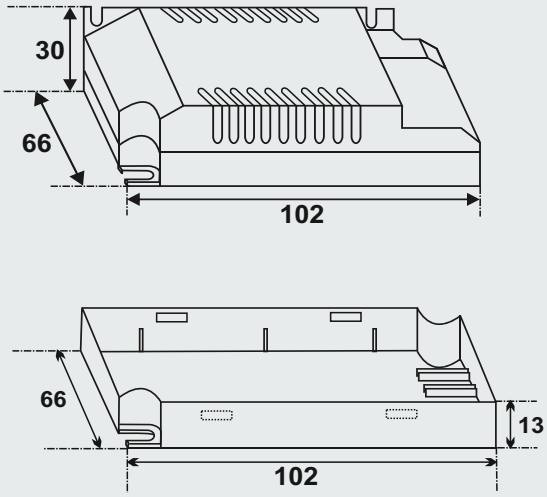
Technical Specifications

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: Ed1206-5 IEC 60950, IS 16104
Connections	: Connector for Input & Output
Dimension (L*W*H)(MM)	: 102*66*30

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
- Current Adjustable (DIP switch)
- Suitable for dry, damp & wet location
- Suitable for Indoor/Outdoor LED lighting
- User flexibility with four different output currents
- 3/5 Years warranty

Dimensional Details



Electrical Specifications

OGLE - X11 (Input 30-60 Watt)

Configuration					Configuration				
PIN1	PIN2	Lout {mA}	Pout {W}	Vout {V}	PIN1	PIN2	Lout {mA}	Pout {W}	Vout {V}
OFF	OFF	700mA	28W	25-40 V	OFF	OFF	950mA	38W	25-40 V
ON	OFF	800mA	32W		ON	OFF	1050mA	42W	
OFF	ON	900mA	36W		OFF	ON	1150mA	46W	
ON	ON	1000mA	40W		ON	ON	1250mA	50W	

Configuration					Configuration				
PIN1	PIN2	Lout {mA}	Pout {W}	Vout {V}	PIN1	PIN2	Lout {mA}	Pout {W}	Vout {V}
OFF	OFF	600mA	36W	40-60 V	OFF	OFF	400mA	32W	60-80 V
ON	OFF	700mA	42W		ON	OFF	500mA	40W	
OFF	ON	800mA	48W		OFF	ON	600mA	48W	
ON	ON	900mA	54W		ON	ON	700mA	55W	

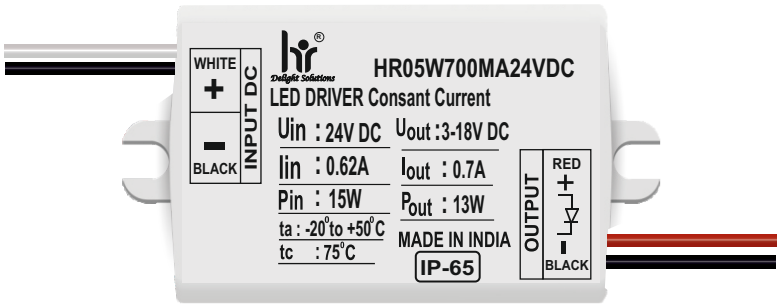
Configuration				
PIN1	PIN2	Lout {mA}	Pout {W}	Vout {V}
OFF	OFF	400mA	40W	80-100 V
ON	OFF	450mA	45W	
OFF	ON	500mA	50W	
ON	ON	550mA	55W	

Delight Solutions

OGLE - X12

DC-DC LED DRIVER 4-15W SINGLE OUTPUT WITH BUCK CONVERTER

OGLE - X12
LED Driver



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

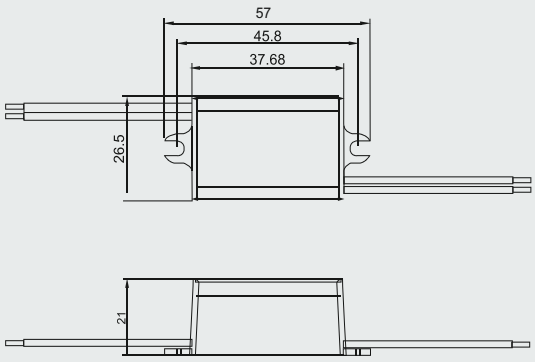
Technical Specifications

Voltage (Un)	: 24Vdc
Operating input voltage range	: 22-30Vdc
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)	: 57*28*21.3

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

Dimensional Details



Electrical Specifications

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

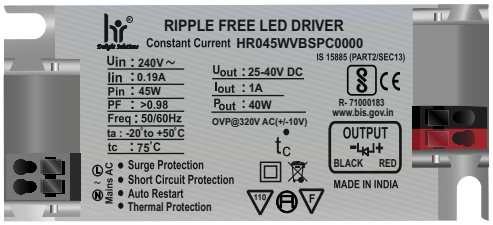
Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	3-18 V	200-700 mA	3W - 13W

Delight Solutions

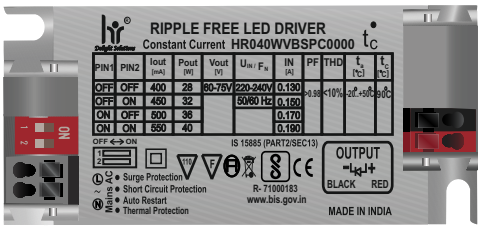
OGLE - X13

RIPPLE FREE LED DRIVER
20-45W SINGLE OUTPUT WITH PFC

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	: > 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)	: 105*44*31

Dimensional Details

TOP VIEW



SIDE VIEW



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 - X13 (Input 20-45 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	300-1200 mA	18W-45W

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

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

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	250mA	20W	60-80 V
ON	OFF	500mA	30W		ON	OFF	350mA	28W	
OFF	ON	600mA	36W		OFF	ON	450mA	36W	
ON	ON	700mA	42W		ON	ON	550mA	45W	

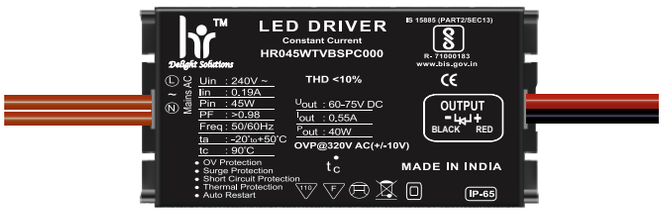
POLLUX - X1

20-60 SINGLE OUTPUT WITH PFC

POLLUX - X1
LED Driver - CC



P1



P2

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

Technical Specifications

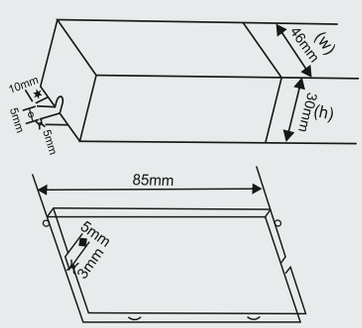
Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage protection	: Yes. 90 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +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

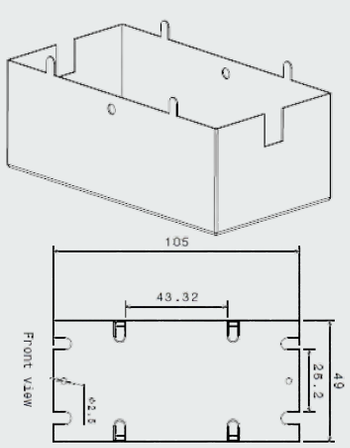
- Protection : Output Short Circuit, Over Voltage, Under Voltage, No load
- Built-in active PFC function
- IP20/65 design Universal AC input (up to 300 Vac)/Full range
- Class I /2 power units / pass LPS
- Meet 4 KV surge immunity level (IEC61000- 4-5)
- Suitable for Indoor/Outdoor LED Lighting
- 3/5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

Dimensional Details

P1



P2



Electrical Specifications

P1- POLLUX - X1 (Input 14-50 Watt) Plastic Body

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-36 V	400-1300mA	12W - 45W
02	25-40 V	300-1200mA	12W - 45W
03	40-60 V	300-650mA	12W - 45W
04	60-80 V	200-550mA	12W - 45W
05	80-100 V	200-400mA	12W - 45W
06	100-120 V	100-350mA	12W - 45W

P2- POLLUX - X1 (Input 20-60 Watt) Metal Body

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

Delight Solutions

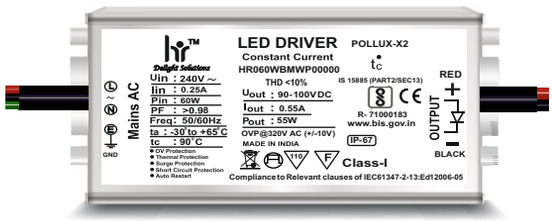
POLLUX - X2

45-100W SINGLE OUTPUT WITH PFC

POLLUX - X2
LED Driver - CC



P1



P2

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

Technical Specifications

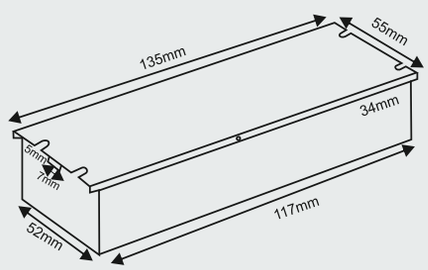
Operating input voltage range		: 110 -300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection		: Yes. 320 Vac (+/- 10 V)
Under voltage protection		: Yes. 110 Vac (+/- 10 V)
Thermal protection		: Yes. 110°C +/- 10°C
THD		: < 10%
Efficiency		: > 88%
PF		: > 0.98
Standard loss		: 0.3 Watt
Withstand Voltage		: 440 Vac
Working temperature (ta)		: -20°C to +65°C
Case temperature (tc)		: +90°C
SAFETY standards		: IS 15885 (PART2/SEC13), IEC 61347-2-13
Connections		: Wire for Input & Output
Dimension (L*W*H)(MM)	**P1**	: 135*55*34
	P2	: 140*55*41

Features

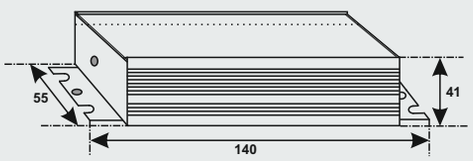
- Protection : Output Short Circuit, Over Voltage, Under voltage
- Built-in active PFC function
- IP65 design Universal AC input (up to 300 Vac)
- Meet 6 KV surge immunity level (IEC61000- 4-5)
- Class I power units / pass LPS
- Suitable for Indoor/Outdoor LED Lighting
- Optional Dimming: 0/1-10V/PWM
- 3/5 Years warranty
- Optional Ripple <5%

Dimensional Details

P1



P2



Electrical Specifications

POLLUX - X2 (Input 50-100 Watt)

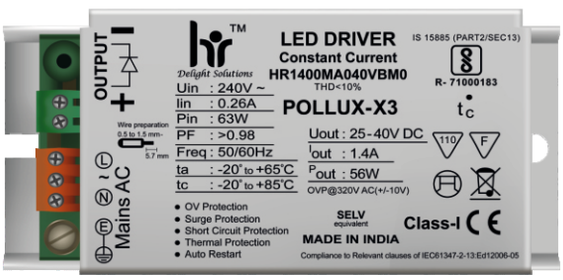
Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40V	1000-1400 mA	40W - 55W
02	40-60 V	700-900 mA	40W - 55W
03	60-80 V	600-800 mA	40W - 65W
04	80-100 V	500-600 mA	40W - 60W
05	80-100 V	500-700 mA	40W - 70W
06	100-120 V	350-500 mA	40W - 60W
07	120-140 V	350-700 mA	40W-90W

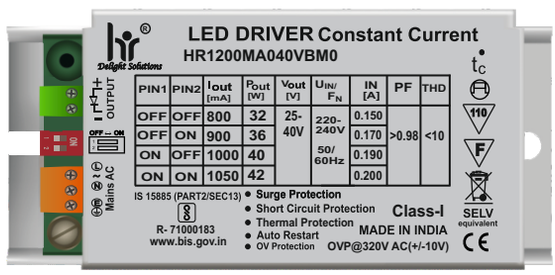
Delight Solutions

POLLUX - X3

50-100W SINGLE OUT PUT WITH PFC

POLLUX - X3
LED Driver - CC





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

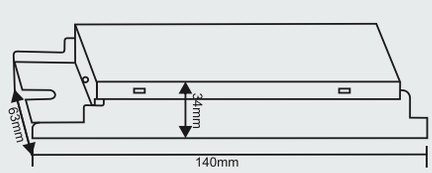
Technical Specifications

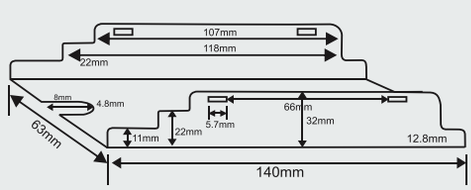
Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage protection	: Yes. 110 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +90°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13: Ed1206-5 IEC 60950, IS 16104
Connections	: Connector for Input & Output
Dimension (L*W*H)(MM)	: 140*63*34

Features

- Protection : Output Short Circuit, Over Voltage, Under voltage, No load
- Built-in active PFC function
- IP20 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

Dimensional Details





Electrical Specifications

POLLUX - X3 (Input 50-100 Watt)

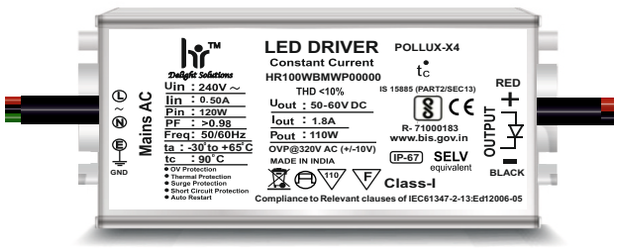
Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	1100-1500 mA	45W - 60W
02	40-60 V	800-1100 mA	45W - 65W
03	60-80 V	550-700 mA	45W - 55W
04	80-100 V	500-600 mA	45W - 60W
05	100-120 V	500-700 mA	45W - 90W

POLLUX - X4

60-120W SINGLE OUT PUT WITH PFC

POLLUX - X4
LED Driver - CC





P1 **P2**

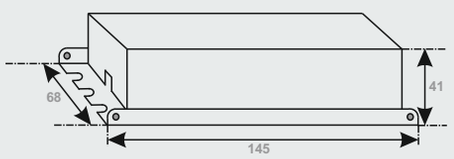
Note: Product Images are for reference only, Screen image change with respect to product specification.

Technical Specifications

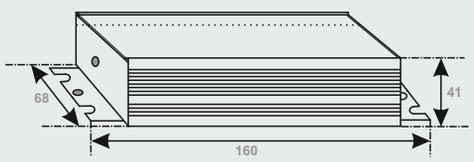
Operating input voltage range	:	110 -300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	:	Yes. 320 Vac (+/- 10 V)
Under voltage protection	:	Yes. 110 Vac (+/- 10 V)
Thermal protection	:	Yes. 110°C +/- 10°C
THD	:	< 10%
Efficiency	:	> 90%
PF	:	> 0.98
Standard loss	:	0.3 Watt
Withstand Voltage	:	440 Vac
Working temperature (ta)	:	-20°C to +65°C
Case temperature (tc)	:	+90°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) **P1**	:	145*68*41 (MS body)
P2	:	160*68*40 (Aluminium body)

Dimensional Details

P1



P2



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 Dimming: 0/1-10V/PWM
- Optional Ripple <5%
- 3/5 Years warranty

Electrical Specifications

P1- POLLUX - X4 MS Box (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

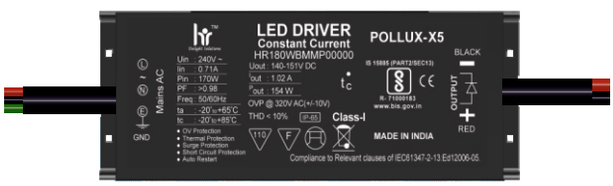
P2- POLLUX - X4 Aluminium Box (Input 60-120 Watt)

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	110-150 V	500-800 mA	55W -110W

POLLUX - X5

140-180W SINGLE OUT PUT WITH PFC

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)		: +90°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)
	P2	: 187*68*40 (Aluminium Body)

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 Dimming: 0/1-10V/PWM
- Ripple < 5%
- 3/5 Years warranty

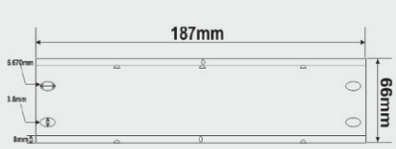
Dimensional Details

P1

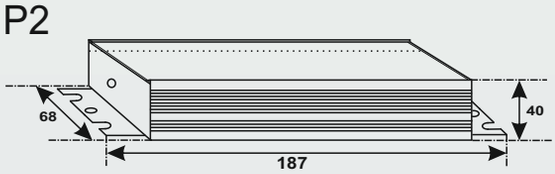
Top



Bottom



P2



Electrical Specifications

POLLUX - X5 (Input 140-180 Watt)

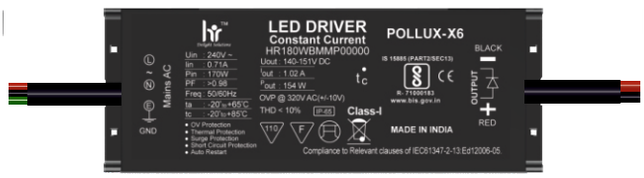
Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	45-60 V	2000-2800mA	125 -165W
02	60-80 V	1500-1800mA	125 -165W
03	80-100 V	1000-1700mA	125 -165W
04	100-120 V	1000-1400mA	125 -165W
05	120-140 V	1000-1200mA	125 -165W
06	140-160 V	800-1000mA	125 -165W
07	160-180 V	500-800mA	125 -165W
08	200-216 V	500-750mA	125 -165W

Delight Solutions

POLLUX - X6

150-200W SINGLE OUT PUT WITH PFC

POLLUX - X6
LED Driver - CC



P1



P2

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

Technical Specifications

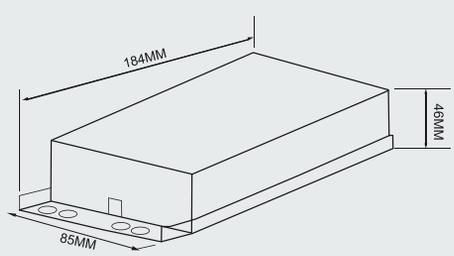
Operating input voltage range		: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection		: Yes. 320 Vac (+/- 10 V)
Under voltage protection		: Yes. 110 Vac (+/- 10 V)
Thermal protection		: Yes. 110°C +/- 10°C
THD		: < 10%
Efficiency		: > 88%
PF		: > 0.98
Standard loss		: 0.3 Watt
Withstand Voltage		: 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)	P1	: 184*85*46
	P2	: 220*68*40

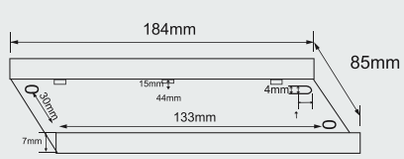
Features

- 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

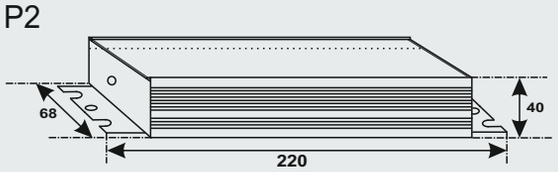
Dimensional Details

P1





P2



Electrical Specifications

POLLUX - X6 (Input 150-200 Watt)

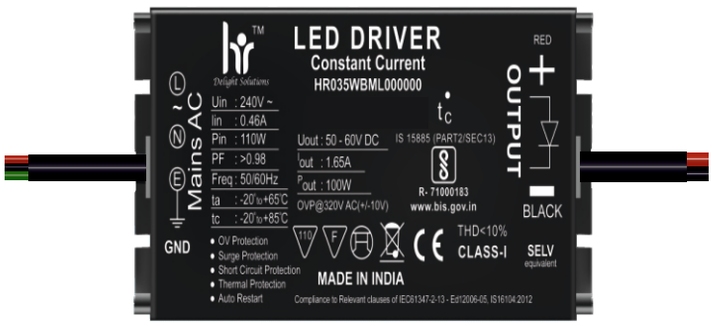
Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	36-60 V	2500-3500 mA	135W-180W
02	150-250 V	700-1050 mA	135W-180W

Delight Solutions

POLLUX - X7

50-100W SINGLE OUTPUT WITH PFC

POLLUX - X7
LED Driver - CC



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

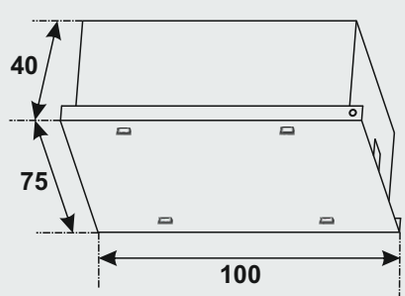
Technical Specifications

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. 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

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
- 3/5 Years warranty

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	1400-2400 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

Delight Solutions

POLLUX - X8

75W SINGLE OUT PUT WITH PFC

POLLUX - X8
SMPS-CV



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

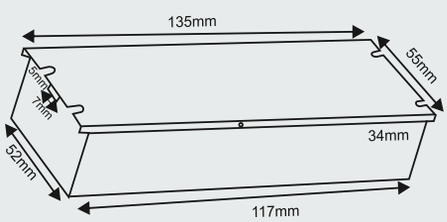
Technical Specifications

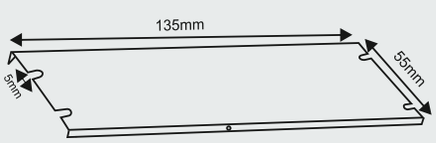
Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: 80%
PF	: > 0.90
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +90°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13:
Connections	: Wires for Input & Output
Dimension (L*W*H)(MM)	: 135*55*34

Features

- Protection : Output Short Circuit, Over Voltage, No load
- Built-in active PFC function
- IP65 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
- 3/5 Years warranty

Dimensional Details





Electrical Specifications

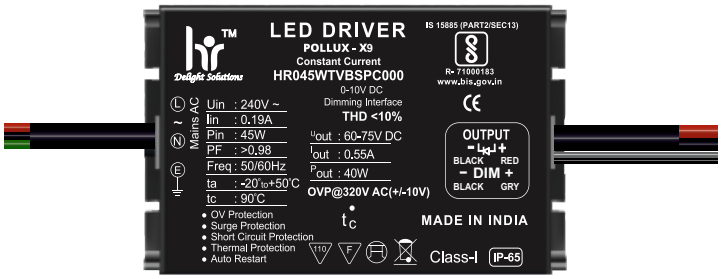
POLLUX - X8 (Input 75 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	24Vdc	2.5A	60W
02	12Vdc	5A	60W

POLLUX - X9

20-45W SINGLE OUTPUT WITH PFC

POLLUX - X9
LED Driver - CC



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

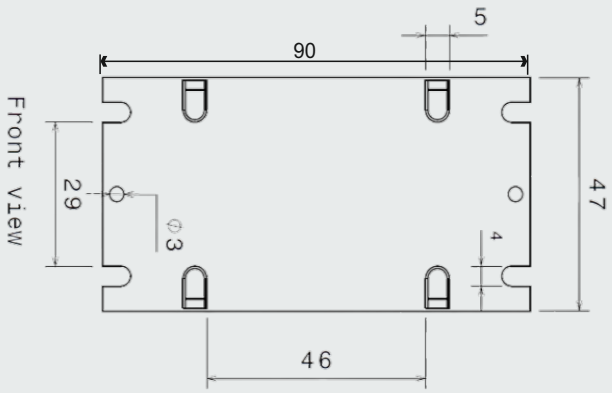
Technical Specifications

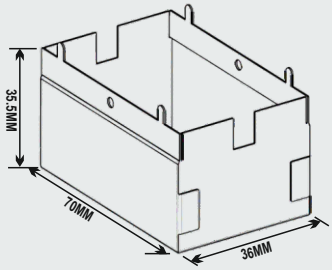
Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage protection	: Yes. 110 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 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	

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: 0/1-10V analog dimming with DIP switch/POT for fine output current setting

Dimensional Details





Electrical Specifications

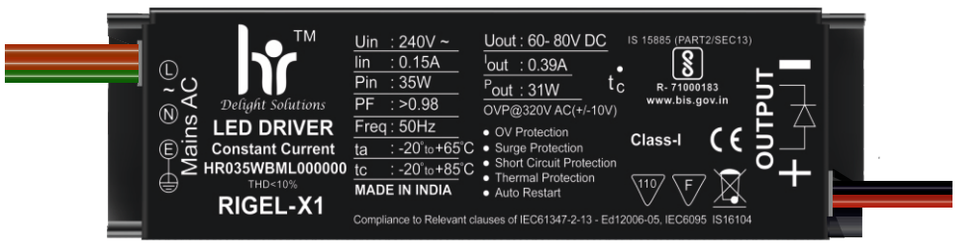
POLLUX - X9 (Input 20-45 Watt)

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

RIGEL - X1

15-40W SINGLE OUTPUT WITH PFC

RIGEL - X1
LED Driver - CC



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

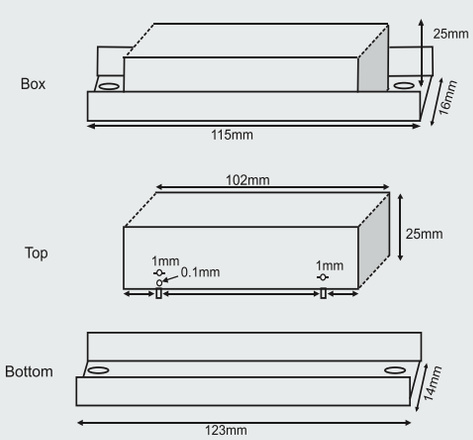
Technical Specifications

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	: > 85%
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)	: 123*36*27

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

Dimensional Details



Electrical Specifications

RIGEL - X1 (Input 15 - 40 watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	350-1000 mA	13W - 36W
02	40-60 V	300-550 mA	13W - 36W
03	50-70 V	300-500 mA	13W - 36W
04	60-80 V	400-550 mA	13W - 36W

Delight Solutions

RIGEL - X2

30-60W SINGLE OUTPUT WITH PFC

RIGEL - X2
LED Driver - CC

P1



P2



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

Technical Specifications

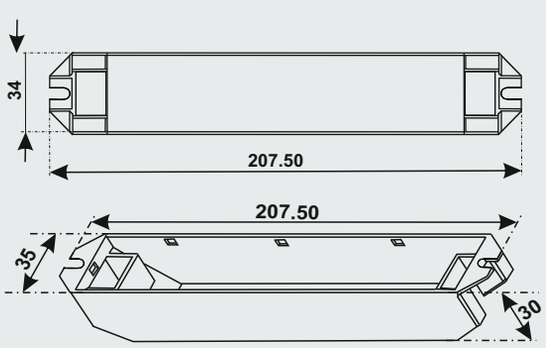
Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage protection	: Yes. 110 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 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)	: 202.5*31.5*27 (MS body) 208*35*30 (Plastic body)

Features

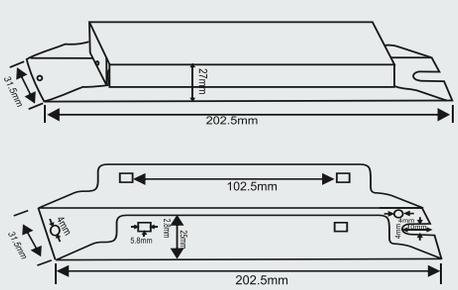
- Protection : Output Short Circuit, Over Voltage, Under Voltage, No Load
- Built-in active PFC function
- IP 20 design Universal AC input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level (IEC61000- 4-5)
- Class I / 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable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

Dimensional Details

P1



P2



Electrical Specifications

RIGEL-X2 (Input 30 - 60 watt)

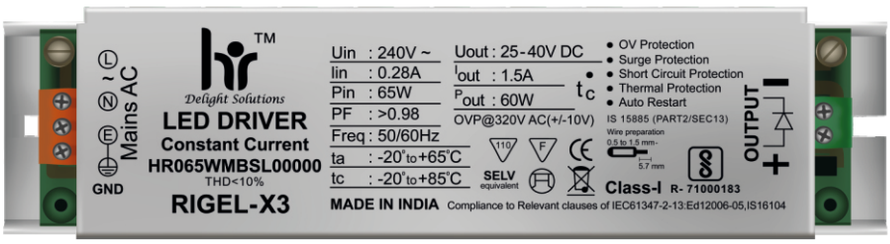
Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	700-1100 mA	25W - 40W
02	40-60 V	500-650 mA	25W - 40W
03	60-80 V	300-500 mA	25W - 40W
04	40-55V	750-1100mA	30W - 55W
05	60-80V	500-800mA	30W - 55W
06	80-100V	300-550mA	30W - 55W
07	100-120V	300-450mA	30W - 55W

Delight Solutions

RIGEL - X3

60-100W SINGLE OUTPUT WITH PFC

RIGEL - X3
LED Driver - CC



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

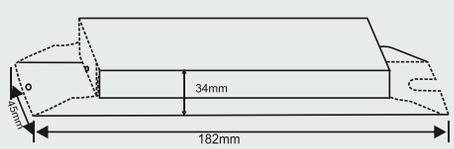
Technical Specifications

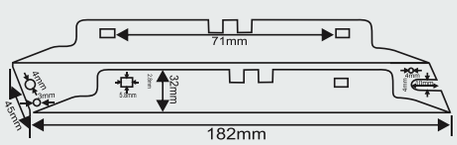
Operating input voltage range	: 110-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage protection	: Yes. 110 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 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

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)

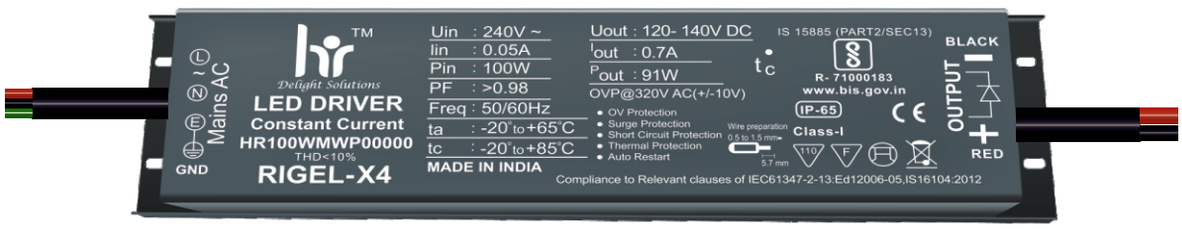
Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	1200-2000 mA	45W - 80W
02	40-60 V	800-1200 mA	45W - 72W
03	60-80 V	600-1000 mA	45W - 80W
04	80-100 V	600-900 mA	45W - 90W
05	100-120 V	500-750 mA	45W - 90W
06	120-140 V	300-700 mA	45W - 90W

Delight Solutions

RIGEL - X4

60-100W SINGLE OUTPUT WITH PFC

RIGEL - X4
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 (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)	: +90°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)	: 192*51*32

Features

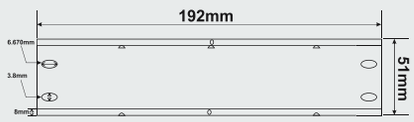
- Protection : Output Short Circuit, Over Voltage, Under Voltage, No Load
- Built-in active PFC function
- IP 65 design Universal AC input (up to 300 Vac)/full range
- Meet 6 KV surge immunity level (IEC61000- 4-5)
- Class I power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for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

Dimensional Details

TOP SIDE



BOTTOM SIDE



Electrical Specifications

RIGEL - X4 (Input 60-100 watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	1400-2200 mA	55W - 90W
02	40-60 V	1000-1500 mA	55W - 90W
03	60-80 V	700-1100 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	300-700 mA	55W - 90W
07	140-160 V	300-600 mA	55W - 90W

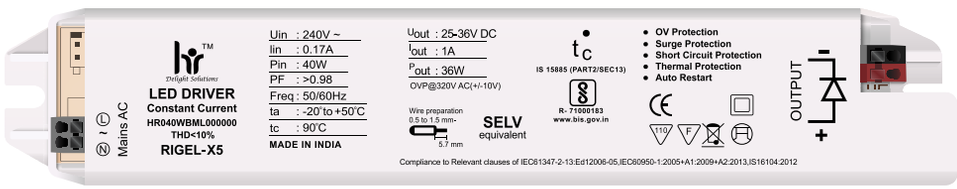
NOTE : Potted with Regular Wire & Non Potted with Connector.

Delight Solutions

RIGEL - X5

15-40W SINGLE OUTPUT WITH PFC

RIGEL - X5
LED Driver - CC



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

Technical Specifications

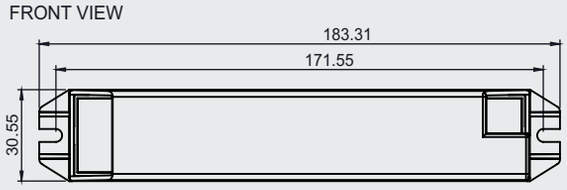
Operating input voltage range	: 110-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage protection	: Yes. 90 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
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)	: 183*30*25

Features

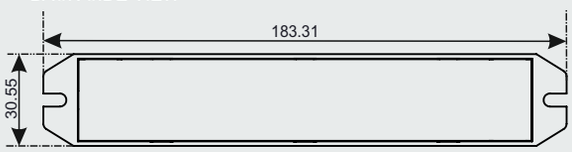
- Protection : Output Short Circuit, Over Voltage, Under Voltage, No Load
- Built-in active PFC function
- IP 20 design Universal AC input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level (IEC61000- 4-5)
- Class 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for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

Dimensional Details

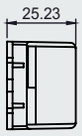
FRONT VIEW



BACK SIDE VIEW



L.H.SIDE VIEW



Electrical Specifications

RIGEL - X5 (Input 15 - 40 Watt)

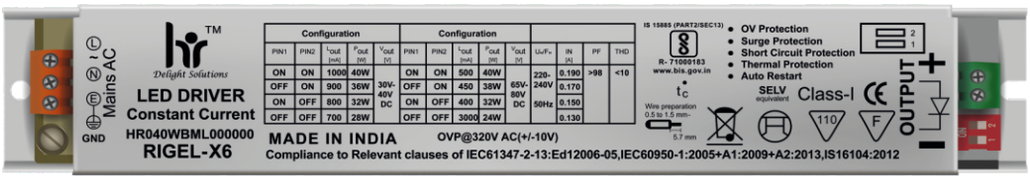
Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-36 V	300-1000 mA	13W - 36W
02	40-60 V	400-600 mA	13W - 36W
03	60-70 V	200-500 mA	13W - 36W

RIGEL - X6

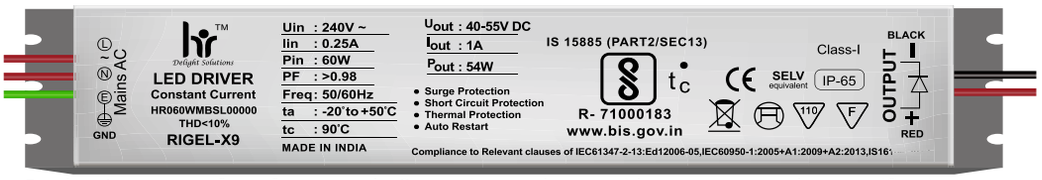
30-60W Multi Current (DIP Switch Driver)

RIGEL - 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)
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
P2	: 202*31*30

Features

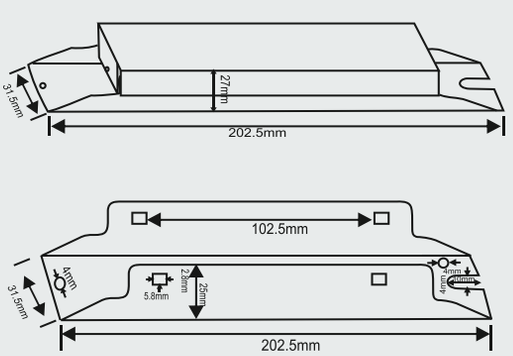
- Protection : Output Short Circuit, Over Voltage, Under Voltage, No load
- Built-in active PFC function
- IP 20 design Universal AC input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level (IEC61000- 4-5)
- Class I power units / pass LPS
- Current adjustable (DIP switch)

Configuration					Configuration				
PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)	PIN1	PIN2	Lout (mA)	Pout (W)	Vout (V)
OFF	OFF	700mA	28W	30V-40Vdc	OFF	OFF	300mA	24W	65V-80Vdc
ON	OFF	800mA	32W		ON	OFF	400mA	32W	
OFF	ON	900mA	36W		OFF	ON	450mA	36W	
ON	ON	1000mA	40W		ON	ON	500mA	40W	

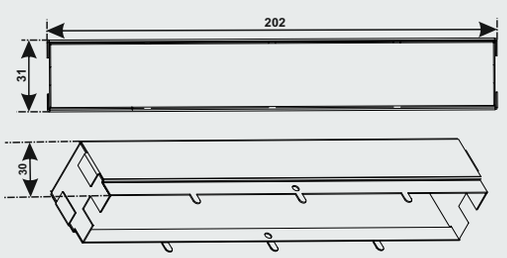
- Suitable for Indoor/Outdoor LED application
- User flexibility with four different output currents from one driver. Flexible current selection via DIP switch.
- 3/5 Years warranty

Dimensional Details

P1



P2



Electrical Specifications

P1- RIGEL - X6 (Input 30-60 Watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-40 V	500-1000 mA	20W - 40W
02	40-60 V	500-650 mA	20W - 40W
03	60-80 V	300-500 mA	20W - 40W
04	25-40 V	700-1350 mA	25W - 55W

P2- RIGEL - X6 (Input 40-60 Watt)

01	25-40V	850-1400mA	30W - 55W
02	50-70V	750-1000mA	30W - 55W

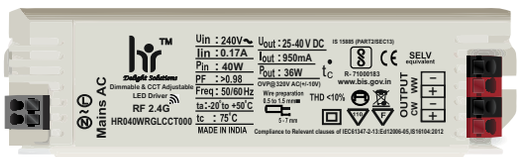
NOTE : Potted with Regular Wire & Non Potted with Connector.

Delight Solutions

RIGEL - X7

20-60W CCT TUNABLE & DIMMABLE LED DRIVER

RIGEL - X7
LED Driver - CC



P1



P2



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

Technical Specifications

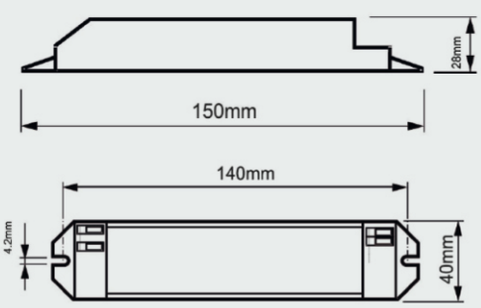
Voltage (Un)	: 240 Vac
Operating Voltage Range	: 110 ~300Vac
Frequency (Hz)	: 50 / 60 Hz
Power Factor @Full Load(PF)	: > 0.95
Power Factor @50% load (PF)	: >0.90
THD @Full Load	: <10%
THD @50% Load	: <20%
Efficiency	: >85%
Over Voltage Cutoff	: 320V (Tole - +/-10V)
Automatic Restart	: 300V
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +85°C
Dimension (L*W*H)(MM)	P1 : 150*40*28 (Plastic Body) - 20-40W
	P2 : 188*54*37 (Plastic Body) - 45-60W

Features

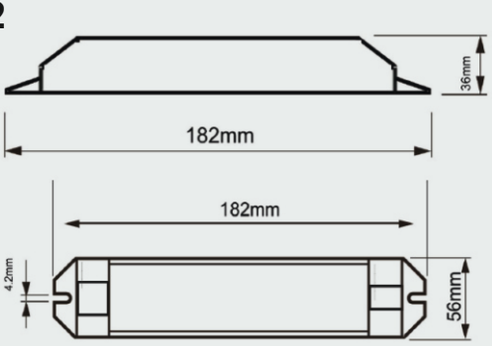
- Protection : Output Short Circuit, Over Voltage, No Load
- Wireless Dimming and CCT tuning by RF-2.4G Remote Controllers
- No need to install or attach other controllers
- Meet 4 KV surge immunity level (IEC61000- 4-5)
- Groups control: 100 groups individually
- 4 Step dimming and CCT adjusting
- Step-less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

Dimensional Details

P1



P2



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	500-750 mA	18-35W
02	40-55 V	300-600 mA	18-35W

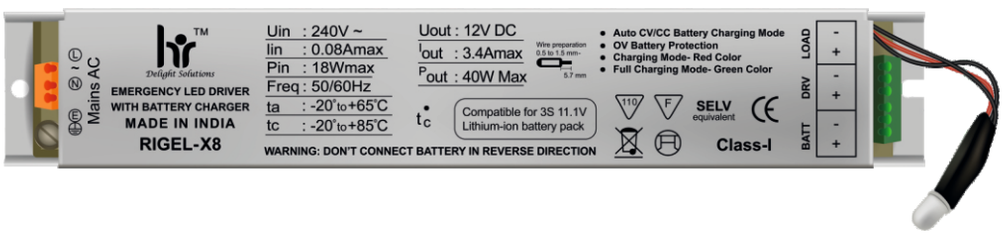
P2- RIGEL - X7 CCT Linear (Input 45-60 Watt)

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



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

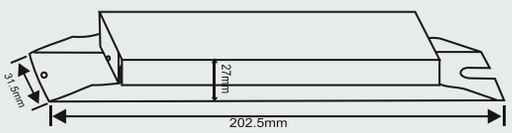
Technical Specifications

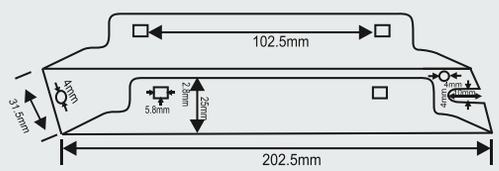
Operating input voltage range	: 100-300 Vac; 50/60 Hz
Over current protection	: (+/-) 3% of Rated O/P Current
Thermal protection	: Yes. 110°C +/- 10°C
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +85°C
Safety standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13
Connections	: Push Connectors
Dimension (L*W*H)(MM)	: 202.5*31.5*27

Features

- Protection : Output Short Circuit, No load
- IP 20 design Universal AC input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level (IEC61000- 4-5)
- Compatible with 3S & 4S 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

Dimensional Details





Electrical Specifications

RIGEL - X8 (A)

Serial Number	Charging Voltage Min-Max	Charging Current Maximum	Output Power Min-Max
01	12-15 V	1200mA	18W

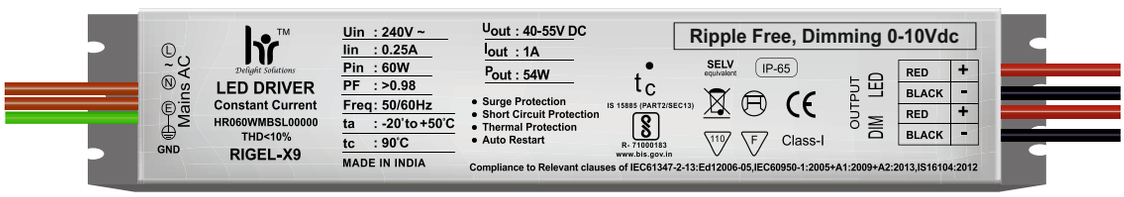
RIGEL - X8 (B)

Serial Number	Output Voltage Min-Max	Output Current Min-Max	Output Power Min-Max
01	12 V	1-5A	12W - 60W
02	36 V	300-750mA	10W - 30W

RIGEL - X9

30-60W RIPPLE FREE & 0-10V ANALOG DIMMING

RIGEL - X9
LED Driver - CC



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

Technical Specifications

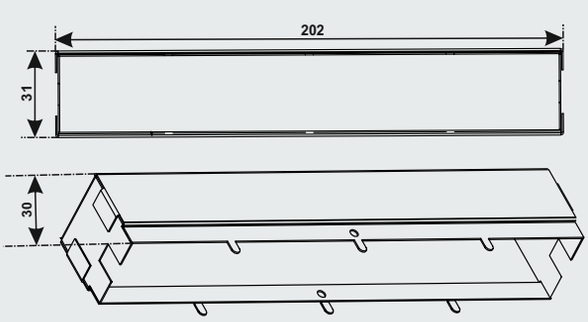
Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Under voltage protection	: Yes. 90 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 85%
PF	: > 0.98
Standard loss	: 0.3 Watt
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +85°C
SAFETY 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

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

20-45W RADAR MOTION SENSOR

RIGEL - X10
LED Driver - CC



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

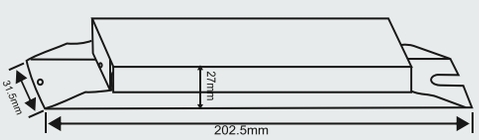
Technical Specifications

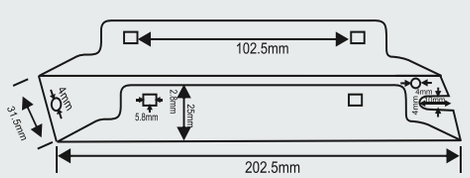
Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage protection	: Yes. 90 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
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

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

Dimensional Details





Electrical Specifications

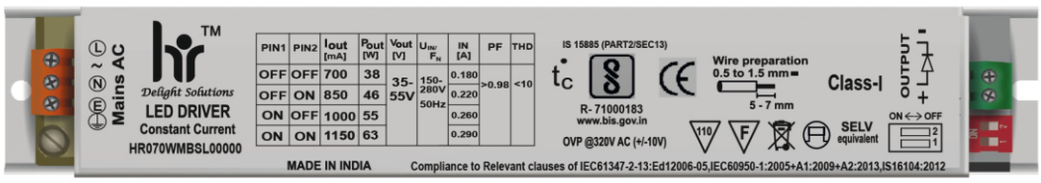
RIGEL - X10 Sensor Based (Input 20-45 watt)

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

50-70W SINGLE OUTPUT WITH PFC

RIGEL - X11
LED Driver - CC



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

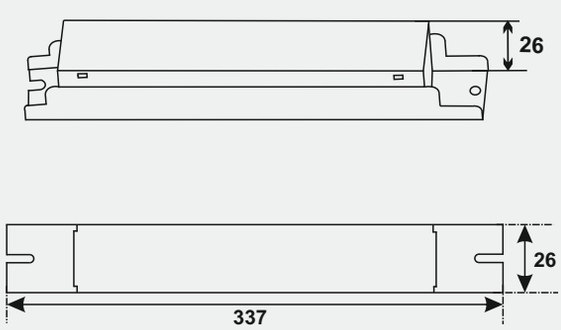
Technical Specifications

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

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

Dimensional Details



Electrical Specifications

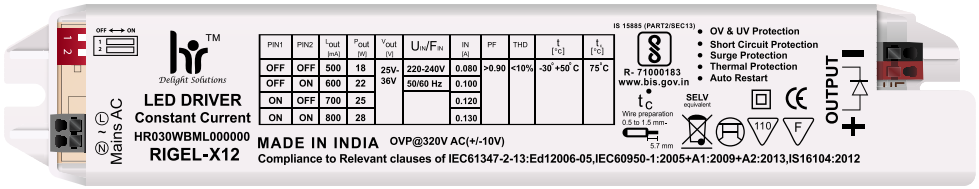
RIGEL - X11 (Input 50-70 watt)

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

RIGEL- X12

15-40W SINGLE OUTPUT WITH PFC WITH MULTI CURRENT

RIGEL - X12
LED Driver - CC



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

Technical Specifications

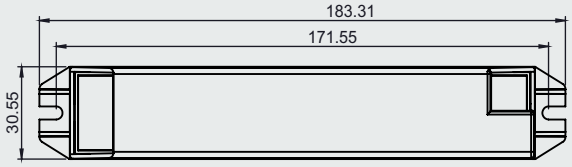
Operating input voltage range	: 110 -300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage protection	: Yes. 90 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 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)	: 183*30*25

Features

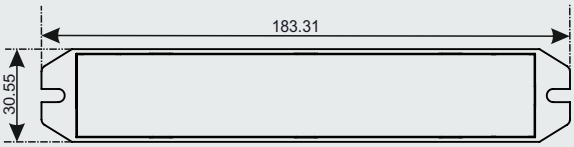
- Protection : Output Short Circuit, Over Voltage, Under Voltage, No Load
- Built-in active PFC function
- IP 20 design Universal AC input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level (IEC61000- 4-5)
- Class 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for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

Dimensional Details

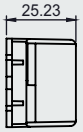
FRONT VIEW



BACK SIDE VIEW



L.H.SIDE VIEW



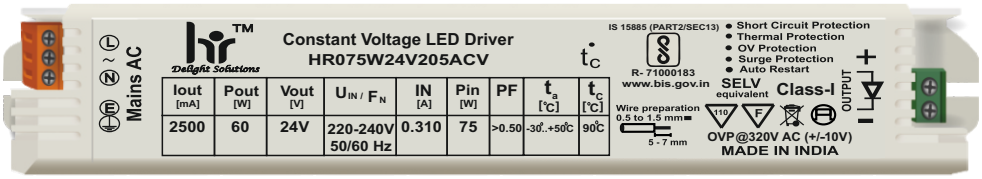
Electrical Specifications

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	800mA	28W	25-40 V
ON	OFF	500mA	20W		ON	OFF	900mA	32W	
OFF	ON	600mA	24W		OFF	ON	1000mA	36W	
ON	ON	700mA	28W		ON	ON	1050mA	38W	

RIGEL- X13

40-70W SMPS SINGLE OUTPUT

RIGEL- X13
SMPS-CV



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

Technical Specifications

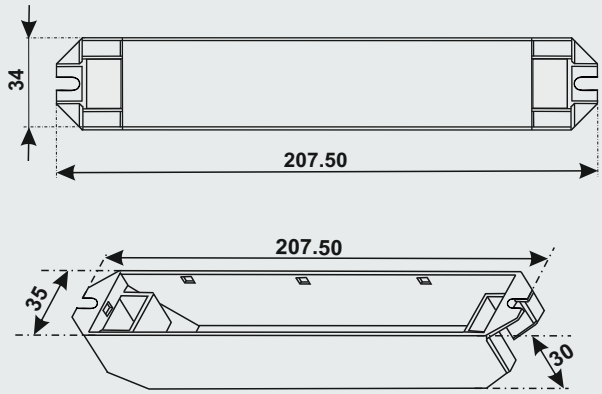
Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Thermal protection	: Yes. 110°C +/- 10°C
Efficiency	: 80%
PF	: > 0.50
Standard loss	: 0.3 Watt
Working temperature (ta)	: -20°C to +65°C
Case temperature (tc)	: +85°C
SAFETY standards	: IS 15885 (PART2/SEC13), IEC 61347-2-13:
Connections	: Wires for Input & Output
Dimension (L*W*H)(MM)	: 208*35*30 (Plastic body)

Features

- Protection : Output Short Circuit, No load

- IP65 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)

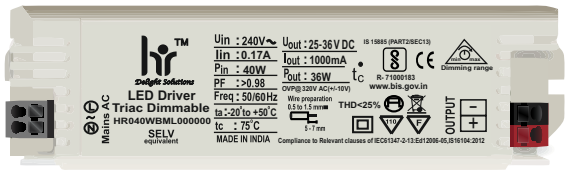
Serial Number	Output Voltage Min Max	Output Current Min Max	Output Wattage Min Max
01	12Vdc	3A	36W
02	12Vdc	4A	48W
03	12Vdc	5A	60W
04	24Vdc	1.5A	36W
05	24Vdc	2A	48W
06	24Vdc	2.5A	60W

Delight Solutions

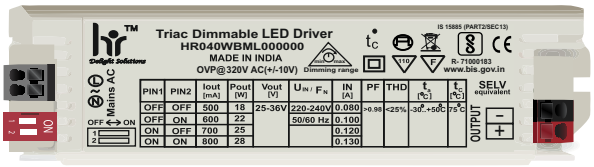
RIGEL- X14

TRIAC DIMMABLE
20-40W SINGLE OUTPUT WITH PFC

RIGEL- X14
LED Driver - CC



P1



P2

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

Technical Specifications

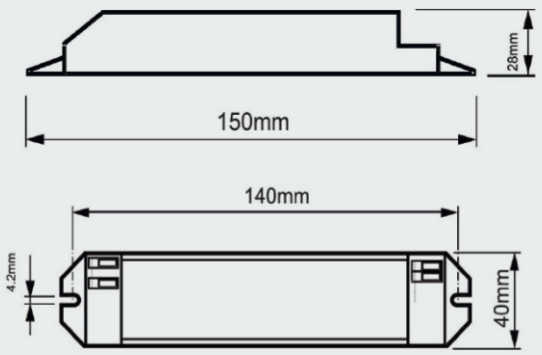
Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 25%
Efficiency	: > 85%
PF	: > 0.95
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +50°C
Case 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)	: 150*40*28

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%

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

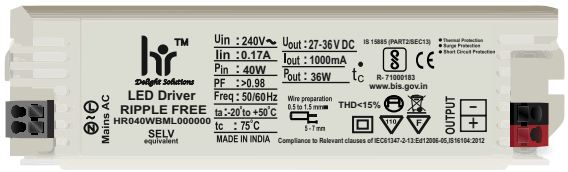
P2- RIGEL- X14 (Input 20-40 watt) With DIP Switch

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	

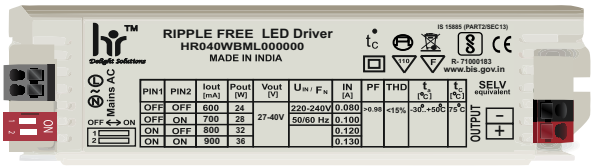
RIGEL- X15

RIPPLE FREE
20-40W SINGLE OUTPUT WITH PFC

RIGEL- X15
LED Driver - CC



P1



P2

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

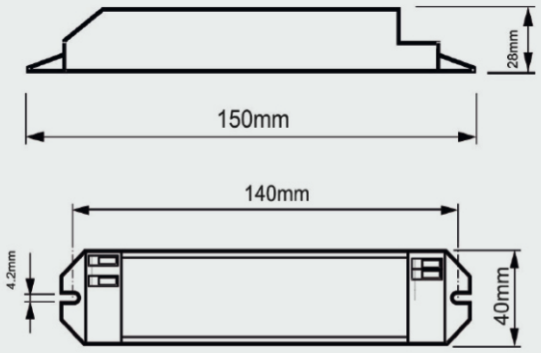
Technical Specifications

Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 15%
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

Features

- Protection : Output Short Circuit, No load
- 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

Dimensional Details



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	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	

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	

Delight Solutions

RIGEL - X16

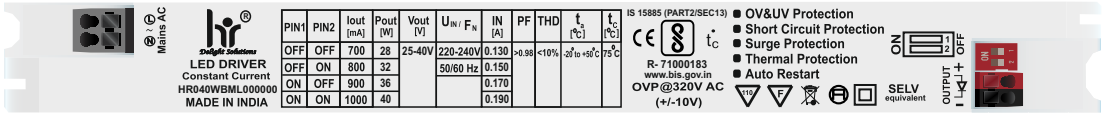
5-45W SINGLE OUTPUT WITH PFC

RIGEL- X16
LED Driver - CC

P1



P2

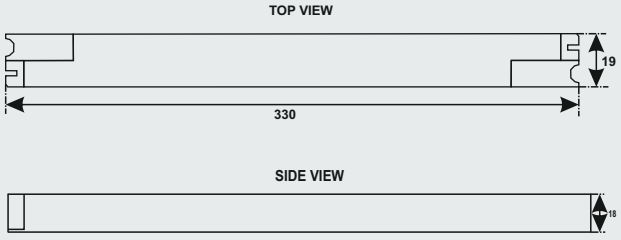


Note: Product Images are for reference only, Screen image change with respect to product specification.

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

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	Lout {mA}	Pout {W}	Vout {V}	PIN1	PIN2	Lout {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	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
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

20-50W SINGLE OUT PUT WITH PFC

COPELLA - X1
LED Driver-CC



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

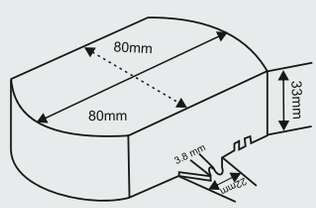
Technical Specifications

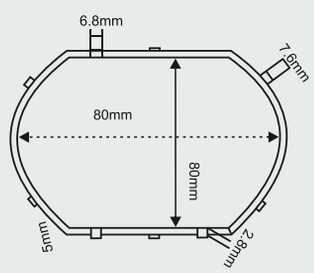
Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage protection	: Yes. 110 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 10%
Efficiency	: > 88%
PF	: > 0.98
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 Vac
Working temperature (ta)	: -20°C to +50°C
Case temperature (tc)	: +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)	: 80*80*33

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

Dimensional Details





Electrical Specifications

COPELLA - X1 (Input 20-50 watt)

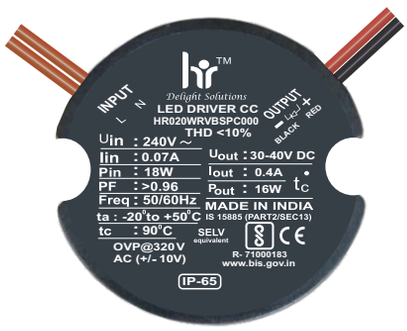
Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	25-36 V	1000-1200 mA	18W - 45W
02	25-40 V	300-1100 mA	18W - 45W
03	40-60 V	300-650 mA	18W - 45W
04	60-80 V	300-550 mA	18W - 45W

Delight Solutions

COPELLA - X2

8 -25W SINGLE OUT PUT WITH PFC

COPELLA - X2
LED Driver-CC



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

Technical Specifications

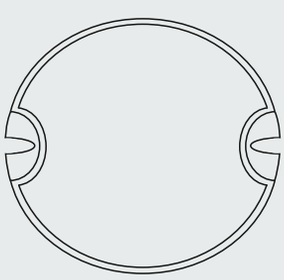
Operating input voltage range	: 100-300 Vac; 50/60 Hz; 140-300 Vdc
Over voltage protection	: Yes. 320 Vac (+/- 10 V)
Under voltage protection	: Yes. 110 Vac (+/- 10 V)
Thermal protection	: Yes. 110°C +/- 10°C
THD	: < 15%
Efficiency	: > 88%
PF	: > 0.95
Standard loss	: 0.3 Watt
Withstand Voltage	: 440 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)	: 50*23, 50(Dia)

Features

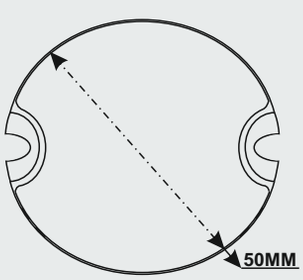
- Protection : Output Short Circuit, Over Voltage, Under voltage, No load
- Built-in active PFC function
- IP 20/65 design Universal input (up to 300 Vac)/full range
- Meet 4 KV surge immunity level (IEC61000- 4-5)
- Class 2 power units / pass LPS
- Suitable for dry, damp & wet location
- Suitable for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

Dimensional Details

TOP VIEW



BOTTOM VIEW



Electrical Specifications

COPELLA - X2 (Input 10-25 watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	15-24 V	300-550 mA	7W - 22W
02	25-40 V	150-450 mA	7W - 22W
03	30-50 V	150-350 mA	7W - 22W
04	50-70 V	200-300 mA	7W - 22W

Delight Solutions

COPELLA - X3

60-100W SINGLE OUT PUT WITH PFC

COPELLA - X3
LED Driver-CC



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

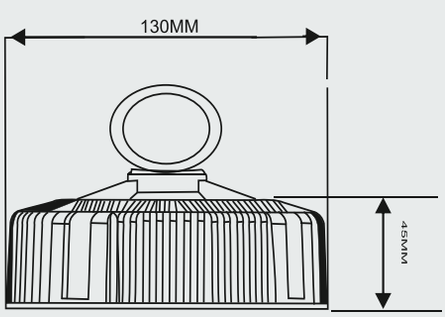
Technical Specifications

Operating input voltage range	: 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

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

Dimensional Details



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

Delight Solutions

COPELLA - X4

100-180W SINGLE OUT PUT WITH PFC

COPELLA - X4
LED Driver-CC



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

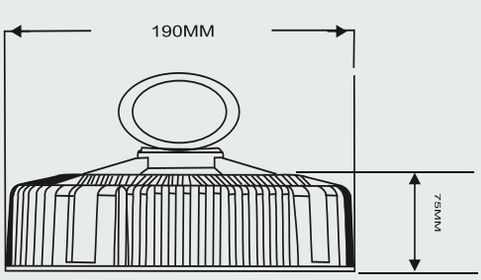
Technical Specifications

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	: Wires for Input & Output
Dimension (L*H)(MM)	: 190*75

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

Dimensional Details



Electrical Specifications

COPELLA - X4 (Input 100-180 watt)

Serial Number	Output Voltage Min- Max	Output Current Min- Max	Output Wattage Min- Max
01	45-60 V	2000-2800mA	125 -170W
02	60-80 V	1500-1800mA	125 -170W
03	80-100 V	1000-1700mA	125 -170W
04	100-120 V	1000-1400mA	125 -170W
05	120-140 V	1000-1200mA	125 -170W
06	140-160 V	800-1000mA	125 -170W
07	160-180 V	500-800mA	125 -170W
08	200-210 V	500-750mA	125 -170W

Delight Solutions

DC-DC LED DRIVER

25-45W SINGLE OUT PUT WITH BOOST TOPOLOGY

DC-DC LED Driver



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

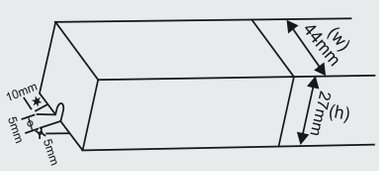
Technical Specifications

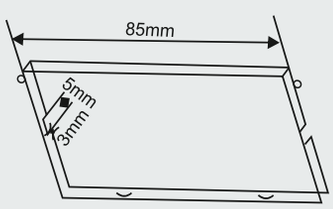
Voltage (Un)	: 12Vdc / 24 Vdc / 48Vdc /110Vdc
Operating input voltage range	: 12V ~24Vdc
Minimum Starting Temp. (ta)	: -20°C to +50°C
Maximun ambient Temp. (tc)	: +75°C
Connections	: Wires for Input & Output
Dimension (L*W*H)(MM)	: 105*46*30

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





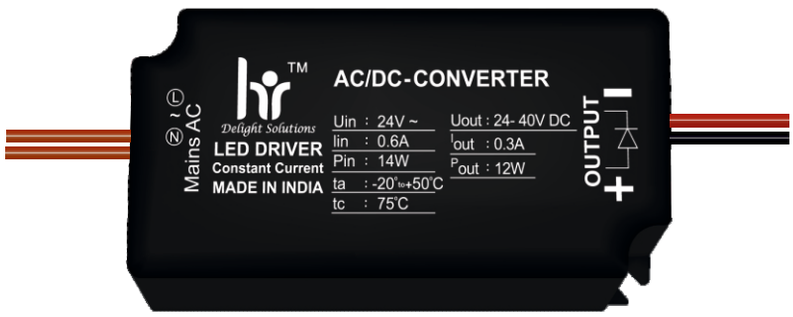
Electrical Specifications

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

24V AC/DC DRIVER

AC\ DC CONVERTER
LED Driver



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

Input Characteristics

Voltage (Un)	: 24VAC/DC; 50/60Hz
Operating Voltage Range	: 15~30 VAC/DC
Maximum Input Current	: 0.62A
Input Power (W)	: 18W max

Output Characteristics

Thermal Protection	: Yes
Maximum Output Current	: 400mA
Output Voltage	: 30-45Vdc
Output Power (W)	: 15W max

1.PCB Dimensions

- Length : 65mm
- Center to Center (CTC) : 67mm
- Width : 31mm
- Height : 30mm

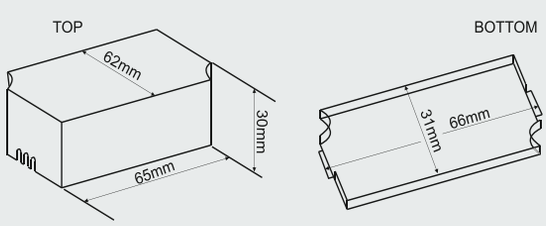
2. Input/Output Terminals : Wires

- Input Wire (Both line and Neutral-Red) : 130mm
- Output Wire (Positive-Red & Negative-Black) : 130mm

Environmental Operating Details

Minimum Starting Temprature (ta) : -20°C to +50°C
Maximun ambient Temprature (tc) : +75°C

Dimensional Details

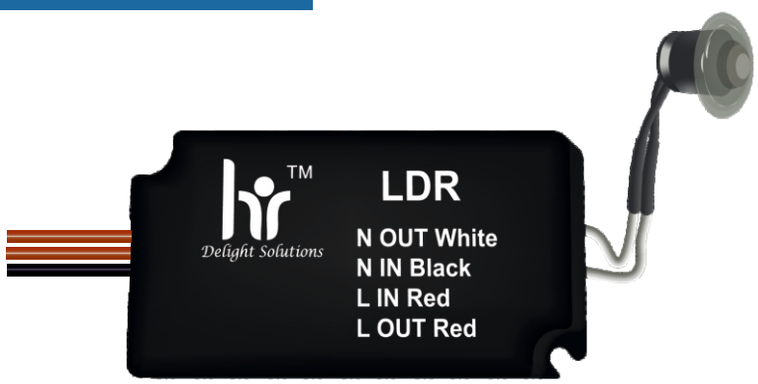


Features

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

Key Features

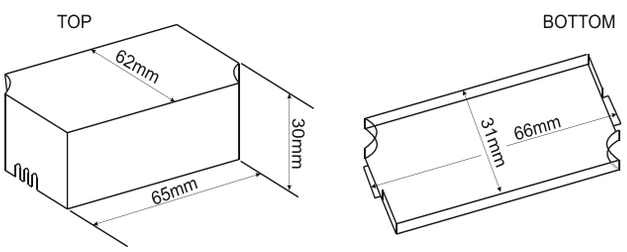
- Compact Design
- Constant Current
- Long Life
- Cost Effective
- High Durability
- High Reliability



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



Characteristics

- On day time the typical resistance : 2KΩ -10KΩ
- On night time the typical resistance : 0.5MΩ -1.5MΩ
- 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) (KΩ)	Dark Resistance (MΩ)	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

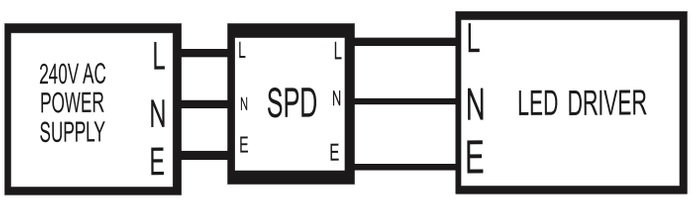
SPD
Special Applications



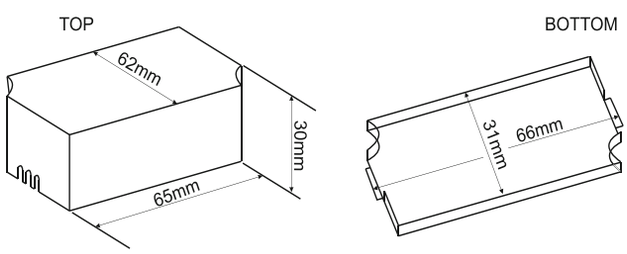


Features

- Surge Protector Device
- Suitable for high-voltage applications
- To protect equipment against high spike
- Induction over voltage and switching over voltage as per standard IS16104



Dimensional Details



Mechanical Details

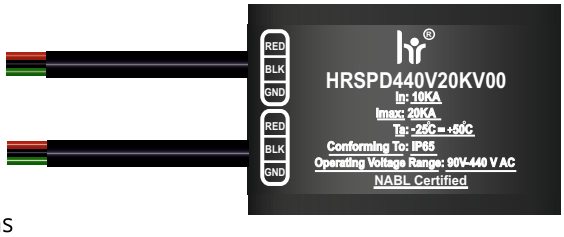
SPECIFICATIONS	5KV	10KV	20KV
Max Continuous Operating Voltage	50V to 440AC	50V to 440AC	50V to 440AC
Nominal Discharge Current In (A)	2.5KA	5KA	10KA
Maximum Discharge Current Imax (a)	5KA	10KA	20KA
Voltage Protection Level (Up)	L-N:1400/L-E:1200/N-E:1200	L-N:1400/L-E:1200/N-E:1200	L-N:1400/L-E:1200/N-E:1200
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	5KA	10KA	20KA
Humidity Range	5% to 95%	5% to 95%	5% to 95%
Operating Temperature	-20°C to +65°C	-20°C to +65°C	-20°C to +65°C
Storage Temperature	-20°C to +65°C	-20°C to +65°C	-20°C to +65°C
Insulation Resistance	>1000 M Ohm's	>1000 M Ohm's	>1000 M Ohm's
Dimensions (L*W*H)(MM)	65*35*30	65*35*30	112*47*38
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

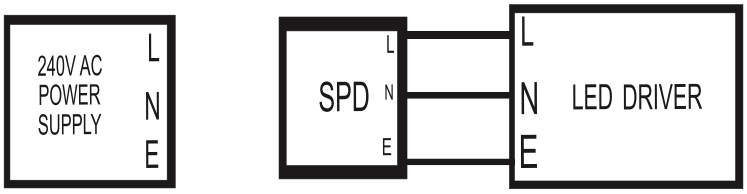




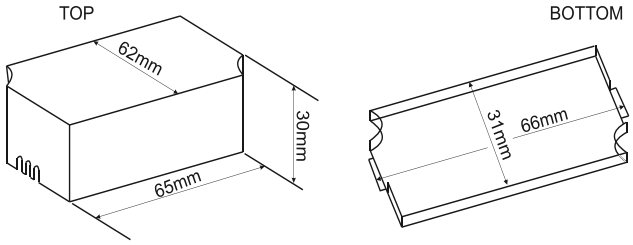


Features

- 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	-20°C to +65°C	-20°C to +65°C	-20°C to +65°C
Storage Temperature	-20°C to +65°C	-20°C to +65°C	-20°C to +65°C
Insulation Resistance	>1000 M Ohm's	>1000 M Ohm's	>1000 M Ohm's
Dimensions (L*W*H)(MM)	65*35*30	65*35*30	112*47*38
Warranty	1 Year Warranty	1 Year Warranty	1 Year Warranty

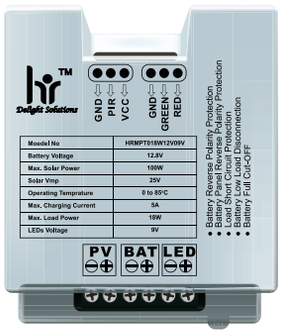
Note: All above ratings are absolute maximum ratings. Stress above these ratings may cause permanent damage to the device

Delight Solutions

7-120W MPPT

Solar Street Light Driver

HRI-MPPT60W LED Driver

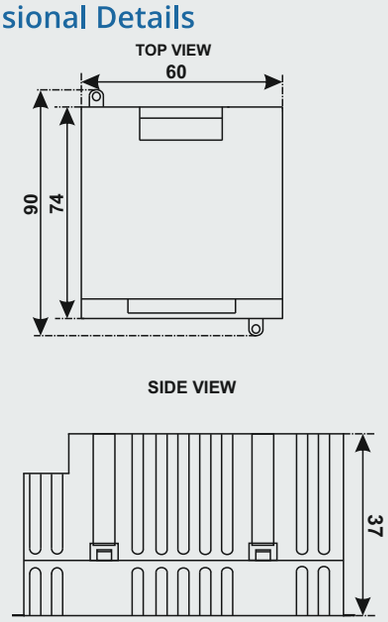


Note: Product Images are for reference only, Screen image change with respect to product specification.

Technical Specifications

Solar Panel-Open Circuit Voltage	: 30V MAX
Solar Panel-Max Power Point Voltage	:16.70 - 18V
Solar Panel-Nominal Power	: 45W-150W
Charger Type	: MPPT CC/CV
Battery Type	: Li-Fe-PO4
Battery Charger Float Voltage	: 14.60VDC
Battery Over Charge Cut-off	: 14.70V
Battery Charger Efficiency	: 91-93%
LED Driver Efficiency	: 90-92%
Battery Under Voltage (Load Disconnect)	: 11.00-11.40V
Protections	: Battery Reverse Polarity, Reverse Flow of Current into / From SPV, Solar Panel Reverse Polarity, LED Load open Circuit, LED Load Short Circuit, Battery Under Voltage
Indications	: Charging under progress Charge Completed Battery Under Voltage
Connection	: Connector
Dimensions	: 90*60*37 MM

Dimensional Details



Features

- Maximum Power Point Tracking (MPPT) charging technology
- Solar Street Light Driver with Integrated MPPT Charger
- Supports solar panels from 45 W to 150 W
- Auto dusk to down switching control
- Compatible With 4S lithium-ion ferrous phosphate Pack (Li-Fe-PO4)
- Charging and Battery Full Indication
- 4 Battery Charging Mode - Deep Discharge/Boost/Absorption/Trickle Mode
- Supports 6 to 36 W of LED power, with LED voltage of 24 V
- Greater than 90% Efficiency

Electrical Specifications

Parameters	7- 12W MPPT Solar Light Charge Controller	12-20W MPPT Solar Light Charge Controller	20-50W MPPT Solar Light Charge Controller
Suitable for LED load	7W to 12W	12W To 20W	20W to 30W
LED Output Voltage	9V	9V	18V/36V
Suitable Battery	LI-ion, Life-po4, Lead Acid	LI-ion, Life-po4, Lead Acid	LI-ion, Life-po4, Lead Acid
Suitable Solar Panel	Upto 40W/12V	Upto 100W/12V	Upto 100W/12V
LED Driver Efficiency	>93%	>93%	>90%
MPPT Efficiency	>93%	>93%	>93%
Size (LXWXH)	60 x 45 x 35	70X57X33	70X83X33
Operating Temperature	0 to 85^{0}C	0 to 85^{0}C	0 to 85^{0}C
Storage Temperature	0 to 85^{0}C	0 to 85^{0}C	0 to 85^{0}C
Dusk to Down	Available	Available	Available
PIR Motion sensor interface	Available	Available	Available
No load Current Consumption	<15mA	<15mA	<20mA

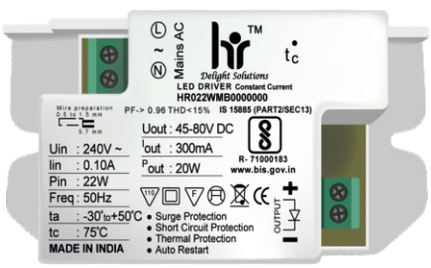
Parameters	40-60W MPPT Solar Light Charge Controller	60- 120W MPPT Solar Light Charge Controller
Suitable for LED load	40 to 60W	60 to 120 W
LED Output Voltage	18V/36V	36V
Suitable Battery	LI-ion, Life-po4, Lead Acid	Life-po4, Li-ion & Lead Acid
Suitable Solar Panel	Upto 200W/12V	12V- 200W/24V-350W
LED Driver Efficiency	>90%	>90%
MPPT Efficiency	>93%	>90%
Size (LXBXH)mm	140X80X48	140X80X48
Operating Temperature	0 to 85^{0}C	0 to 85^{0}C
Storage Temperature	0 to 85^{0}C	0 to 85^{0}C
Dusk to Down	Available	Available
PIR Motion sensor interface	Available	Available
No load Current Consumption	<20mA	<30mA

NON ISOLATED DRIVERS

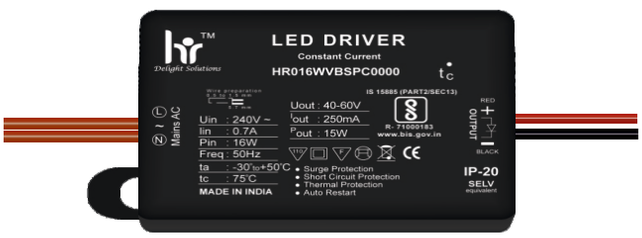
HRI-Non Isolated LED Driver-CC



HRI 10-36W



HRI 8-22W



HRI 5-15W

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

Technical Specifications

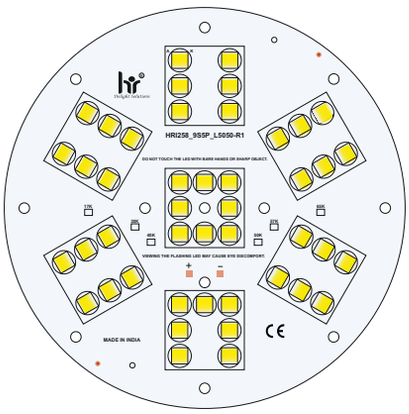
SPECIFICATIONS	10-36W	8-22W	5-15W
Rating	50-100V/200-300mA	45-80V/ 200-300mA	40-80V/200-250mA
Operating I/P Voltage Range	120-300Vac; 50-60Hz	80-300Vac; 50-60Hz	80-280Vac; 50-60Hz
THD	<20%	<20%	<20%
Effiecincy	>88%	>88%	>85%
PF	>0.95	>0.95	>0.95
Surge	4KV	2.5KV	1.5KV
Operating thermal temp. (tc)	75°C	75°C	75°C
Operating temp. Range (ta)	-30°C to +50°C	-30°C to +50°C	-30°C to +50°C
Over Temp. Protection	125°C +/- 10°C	125°C +/- 10°C	125°C +/- 10°C
Safety Standards	IS 15885 (PART2/SEC13), IEC 61347-2-13:	IS 15885 (PART2/SEC13), IEC 61347-2-13:	IS 15885 (PART2/SEC13), IEC 61347-2-13:
Connection	Wires For Input & Output	Connector For Input & Output	Wires For Input & Output
Dimensions (L*W*H)(MM)	101*44*31	89*39*27	52.5*26.5*21

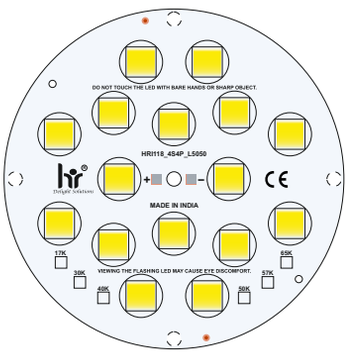
Features

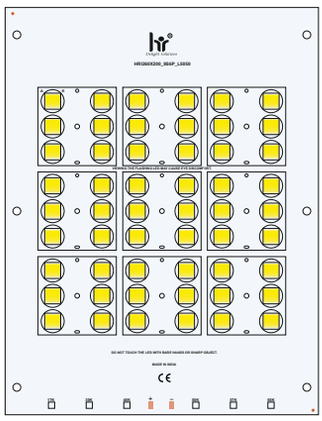
- Protection : Short Circuit, No Load
- Built-in active PFC function
- IP 20 design Universal AC input (up to 300 Vac)
- Meet 4 KV surge immunity level (IEC61000- 4-5)
- Suitable for Indoor LED lighting
- 3 Years warranty

LED MODULES

HRI-LED Modules



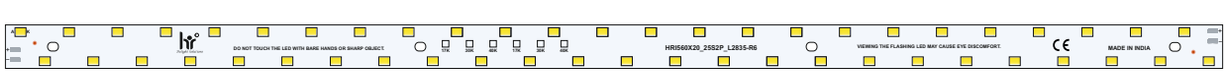




LED Module Application

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





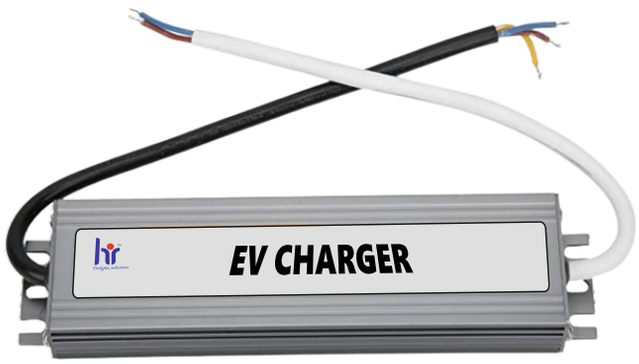
LED Strip Application

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

Delight Solutions

EV CHARGER

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

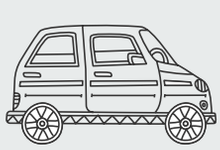
E-2W



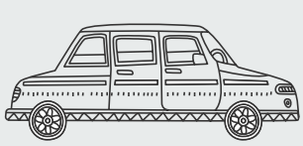
E-3W
(passenger/ goods)



E-cars
(1st generation)



(2nd generation)
E-cars



Electrical Specifications

EV CHARGER (A) (Input 400 Watt)

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


HR Industry






RECEPTION
Delight Solutions












JUKI
RS-1R
PICK & PLACE MACHINE - 01





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