



Wechat



Linkedin



Website



Scan to get online
Product Catalog



SHENZHEN SOSEN ELECTRONICS CO.,LTD

10/F, Block A, Building 1, Pengzhanhui, No. 233 Zhongxin Road,
Xinqiao Subdistrict, Bao'an District, Shenzhen, China

+86-755-29358800 www.sosen.com

North America
info.usa@sosen.com

Europe
info.eu@sosen.com

Middle East
info.middleeast@sosen.com

South America
info.latam@sosen.com

Southeast Asia
info.southeastasia@sosen.com

China
info.china@sosen.com

POWER YOUR VISION





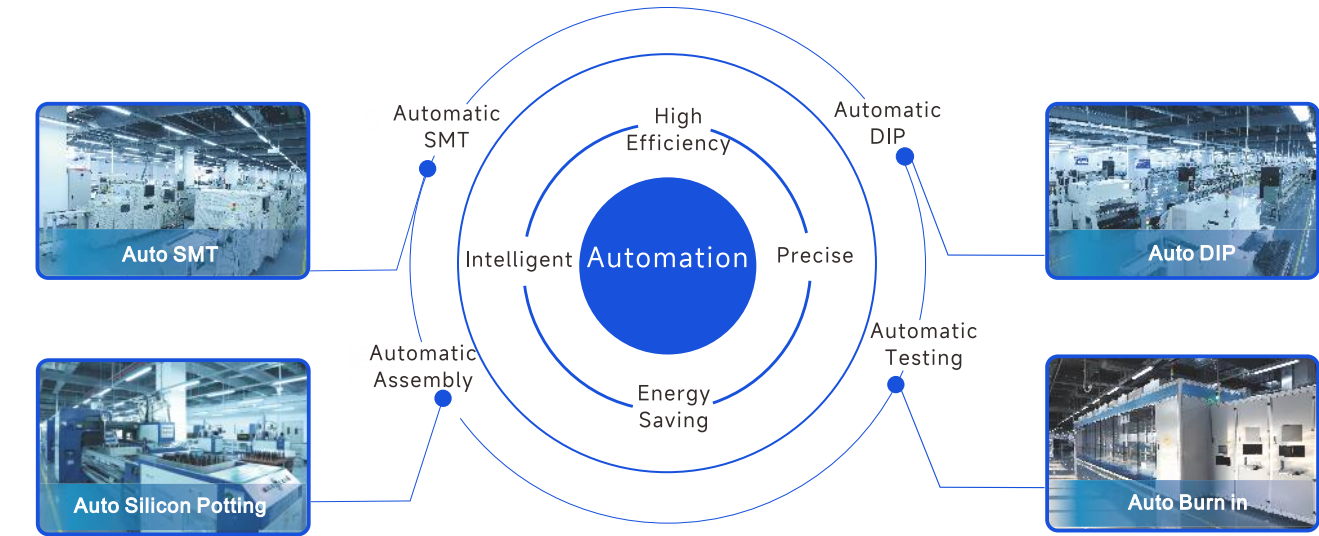
Shenzhen SOSEN Electronics Co., Ltd., established in 2011, is a global high-tech enterprise integrating the R&D, manufacturing, and sales of medium and high-power LED drivers. SOSEN's products are widely used in outdoor, industrial, horticultural, and sports lighting, among other fields. SOSEN launched an IPO and was listed on the stock market with the stock code 301002.

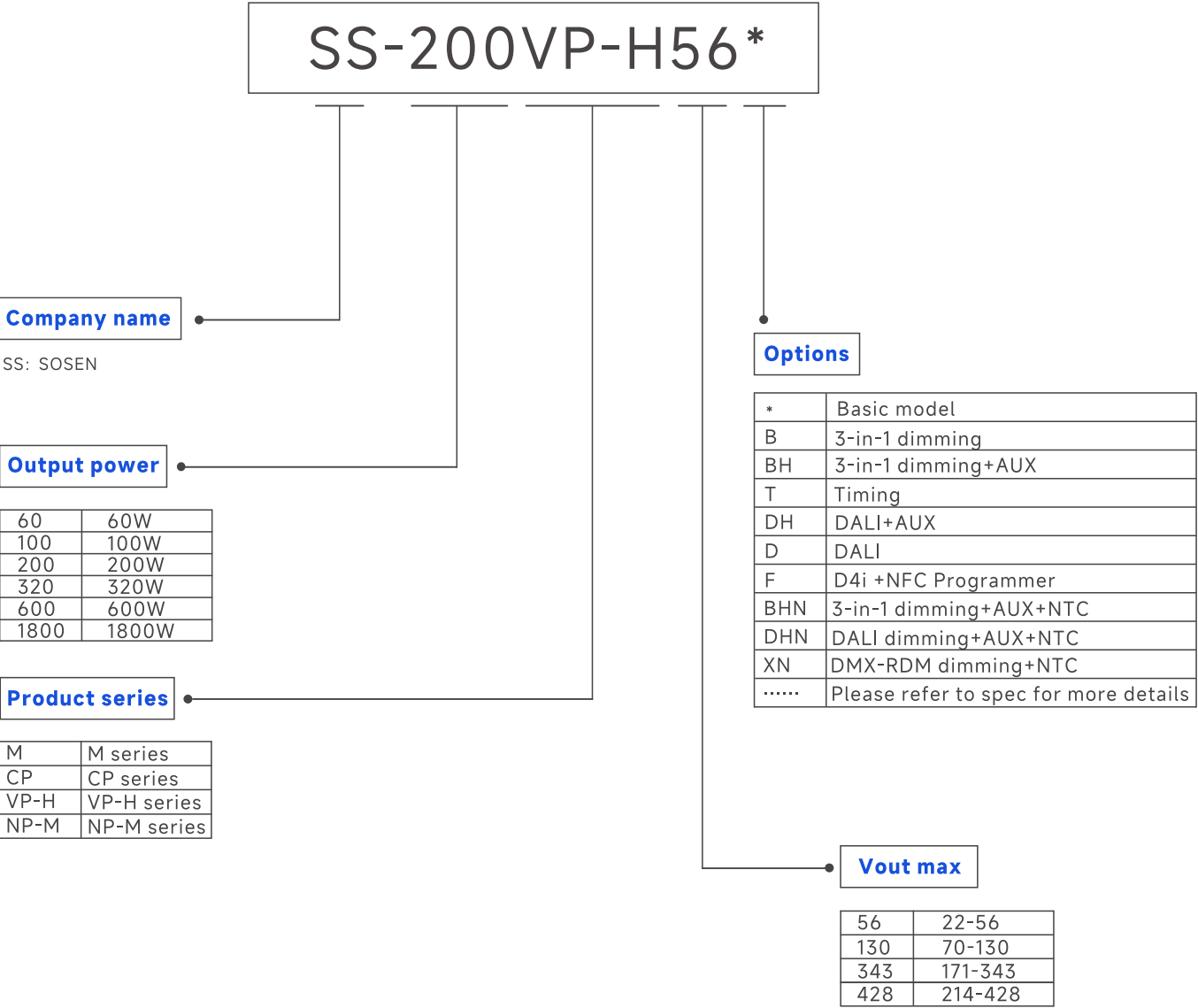
SOSEN independently masters several core LED driver technologies and operates an enterprise technology center. By the end of 2025, SOSEN and its subsidiaries have 153 authorized patents and more than 400 product certifications including CCC, UL, ENEC, TUV, RCM, PSE, KC, EAC., etc.

Headquartered in Shenzhen, China, SOSEN operates an intelligent manufacturing base spanning over 70,000 square meters in Zhongshan, Guangdong Province. SOSEN has subsidiaries in Hong Kong, North America, and Southeast Asia, and its marketing network covers most parts of the world. With accurate and rapid responses to market demand, continuous R&D innovation, and excellent product quality, SOSEN has enjoyed a high reputation both domestically and internationally.

Adhering to the product philosophy of "technological innovation, reliability, and energy efficiency," SOSEN will continue to develop highly energy-efficient, stable, and reliable LED drivers and technical solutions. Simultaneously, it will vigorously expand into the new energy industry, driving new transformations in the sector through technological strength.

POWER YOUR VISION





Application	Outdoor	Horticulture	Sports	Industrial	Commercial	Accessories
Series	VH-E VH-E AUX VH-E D4i VH-A VH VP VP-H GA-E PA PA-H EP-M EP-S M MS AX	VP VP-H VP-E VP-G M MS L-N RUN RUN-M NP NP-M NP-ML NP-MC NH-EL/W NS-EL/W	VP MS NP NP-M NP-ML NS-V	CNH CNH-G SNH CNS	NH-V NM-V NS EP-M EP-S	SPD

SERIES	Features	Page
VH-E	40-240W, 100-277Vac, 3-in-1 dimming, IP67	5
VH-E AUX	50-320W, 100-277Vac, 0-10V/PWM/Resistor dimming, IP66/IP67, AUX: 12V	7
VH-E D4i	50-320W, 100-277Vac, D4i dimming, IP66/IP67, Class I/Class II, AUX: 24V	9
VH-A	25-250W, 100-277Vac, 3-in-1 dimming, IP67, Class I/Class II	11
VH	75-240W, 100-277Vac, 3-in-1 dimming, IP67	13
GA-E	30-250W, 100-277Vac, 3-in-1/DALI-2 dimming, IP67, Class I/Class II	15
PA	22-220W, 220-240Vac, 3-in-1/D4i dimming, IP20, Class I/Class II, AUX: 24V	17
PA-H	40-165W, 220-240Vac, 3-in-1/D4i dimming, IP20, Class I/Class II, AUX: 24V	19
EP-M	55-190W, 120-347Vac, 3-in-1 dimming, Class 2, AUX: 12V	21
EP-S	55-100W, 277-480Vac, 3-in-1 dimming, Class 2, AUX: 12V	21
AX	Constant Voltage, 50-350W, 120-277Vac, IP67	23
VP	50-1500W, 100-277Vac, 3-in-1/DALI-2 dimming, AUX: 12V, IP67	25
VP-H	200-880W, 100-277Vac, 3-in-1/DALI-2 dimming, AUX: 12V, IP67	27
VP-E	600-1000W, 120-277Vac, 3-in-1 dimming, IP67	29
VP-G	730-1200W, 200-277Vac, 3-in-1/DALI-2 dimming, IP67	31
M	100-1000W, 200/220/277-480Vac, 3-in-1 dimming, AUX: 12V, IP67	33
MS	50-1200W, 200-480Vac, 3-in-1/DALI-2 dimming, AUX: 12V, IP66/IP67	35
L-N	Non-isolated, 650-1000W, 200-277Vac, 3-in-1 dimming, IP67	37
RUN	Slim, Non-isolated, 400-800W, 100-277Vac, 3-in-1 dimming, IP67	39
RUN-M	Slim, Non-isolated, 400-800W, 200-480Vac, 3-in-1 dimming, IP67	41
NH-EL/W	Non-isolated, 120-240W, 120-277Vac, 3-in-1 dimming	43
NS-EL/W	Non-isolated, 160/240W, 277-480Vac, 3-in-1 dimming	45
NP-MC	Non-isolated, 800-1600W, 200-480Vac, 3-in-1 dimming, RS-485/UART, IP67	47
NP	Non-isolated, 500-1200W, 120-277Vac, 3-in-1dimming, IP67	49
NP-ML	Non-isolated, 500-1600W, 200-480Vac, 3-in-1 dimming, IP67	51
NP-M	Non-isolated, 680-1200W, 200-480Vac, 3-in-1/DALI-2/DMX dimming, IP67	53
NS-V	Non-isolated, 600-1800W, 200-480Vac, 5-in-1 dimming, IP66	55
CNH	Circle, Non-isolated, 100-320W, 100-277Vac, 3-in-1 dimming, DIP switch power/CCT/angle, IP65	57
CNH-G	Circle, Non-isolated, 100-240W, 200-240Vac, IP65	59
SNH	Circle, Non-isolated, 100-480W, 120-347Vac, 3-in-1/ dimming, DIP switch power/CCT/angle, IP65	61
CNS	Circle, Non-isolated, 120-320W, 277-480Vac, 3-in-1 dimming, DIP switch power/CCT/angle, IP65	63
NH-V	Non-isolated, 40-420W, 100-277Vac, 3-in-1 dimming, Connector, Smart programming, AUX: 12V	65
NH-V D4i	Non-isolated, 80-320W, 100-277Vac, 3-in-1 dimming, Connector, NFC programming, AUX: 24V	67
NM-V	Non-isolated, 80-420W, 120-347Vac, Connector, Smart programming, AUX: 12V	69
NS	Non-isolated, 120-320W, 200-480Vac, DIP switch power/Sensor, 3-in-1 dimming, AUX: 12V	71
SPD	10kV/12kV/20kV Surge Protection, IP67	73

VH-E Series-----40-240W, 100-277Vac, 0-10V/PWM/Resistor dimming, IP67



Features

- ▶ Input voltage: 100-277Vac
- ▶ Efficiency up to 94.5%
- ▶ Flicker free
- ▶ Programmable(AOC, CLO, SSA, ELA)
- ▶ 10kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor isolated dimming
- ▶ Positive or negative logic dimming
- ▶ Dim to off
- ▶ Type HL, suitable for hazardous locations
- ▶ Protections: SCP/OTP/OVP
- ▶ IP67
- ▶ 5 years warranty

Power Levels

40W 60W 75W 100W 150W 200W 240W

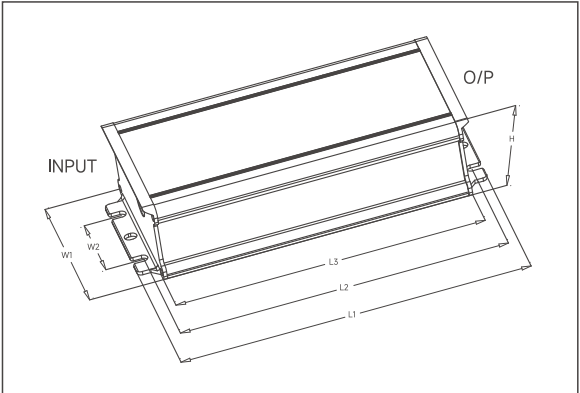
Applications

Street light, Wallpack, Flood light, Tunnel light

Certificates



Dimension



Units : mm

Model	L1	L2	L3	W1	W2	H
40VH-E	105	100	92	66	32	31.5
60VH-E	118	111	101	66	32	31.5
75/100VH-E	145	136	128	66	32	35
150/200VH-E	165	156	148	66	32	37
240VH-E	180	171	163	66	32	37

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
40	SS-40VH-E54B	27-54	0.10-1.10	86.0%	0.97	105*66*31.5
40	SS-40VH-E72B	36-72	0.10-0.80	86.5%	0.97	105*66*31.5
60	SS-60VH-E54B	27-54	0.35-1.67	87.5%	0.97	118*66*31.5
60	SS-60VH-E86B	43-86	0.35-1.10	87.5%	0.97	118*66*31.5
75	SS-75VH-E72B	36-72	0.35-1.50	91.0%	0.97	145*66*35
75	SS-75VH-E108B	54-108	0.1-1.05	91.0%	0.97	145*66*35
100	SS-100VH-E95B	48-95	0.35-1.50	91.0%	0.98	145*66*35
100	SS-100VH-E143B	72-143	0.1-1.05	91.0%	0.98	145*66*35
100	SS-100VH-E286B	143-286	0.1-0.55	91.0%	0.98	145*66*35
150	SS-150VH-E56B	28-56	0.7-4.2	93.0%	0.98	165*66*37
150	SS-150VH-E143B	72-143	0.35-1.50	93.5%	0.98	165*66*37
150	SS-150VH-E215B	108-215	0.1-1.05	94.0%	0.98	165*66*37
150	SS-150VH-E286B	143-286	0.1-0.7	94.0%	0.98	165*66*37
200	SS-200VH-E56B	28-56	0.7-5.6	93.0%	0.98	165*66*37
200	SS-200VH-E143B	72-143	0.35-2.10	94.5%	0.98	165*66*37
200	SS-200VH-E191B	95-191	0.35-1.50	94.5%	0.98	165*66*37
200	SS-200VH-E286B	143-286	0.1-1.05	94.5%	0.98	165*66*37
240	SS-240VH-E56B	28-56	0.7-6.7	94.0%	0.98	180*66*37
240	SS-240VH-E229B	114-229	0.35-1.50	94.5%	0.98	180*66*37
240	SS-240VH-E343B	171-343	0.1-1.05	94.5%	0.98	180*66*37

Note: B, 0-10V/PWM/Resistor dimming
Please refer to spec for more details

VH-E AUX Series---50-320W, 100-277Vac, 0-10V/PWM/Resistor dimming, IP66/IP67



Features

- ▶ Input voltage: 100-277Vac
- ▶ Efficiency up to 94%
- ▶ Constant Current, flicker free
- ▶ Programmable(AOC, CLO, SSA, ELA)
- ▶ 10kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor isolated dimming, dim to off
- ▶ Positive or negative logic dimming
- ▶ AUX: 12Vdc
- ▶ Dim-to-Off with Standby Power≤0.5W
- ▶ Class 2(<100W)/ Class P
- ▶ Protections: SCP/OTP/OVP/OPP
- ▶ Type HL, suitable for hazardous locations
- ▶ IP66/IP67
- ▶ 5 years warranty

Power Levels

50W 75W 100W 150W 200W 240W 320W

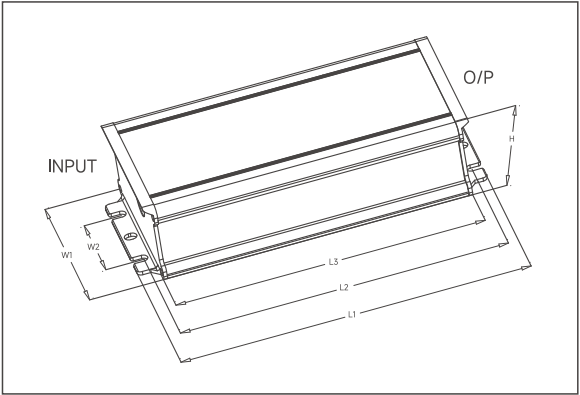
Applications

Street light, High mast light, Fish light, Horticulture light, Sports light

Certificates



Dimension



Units : mm						
Model	L1	L2	L3	W1	W2	H
50VH-E	122	113	105	66	27	35
75VH-E	143	134	126	66	27	35
100VH-E	149	140	132	66	27	35
150VH-E	179	170	162	66	27	37
200VH-E	189	180	172	66	27	37
240VH-E	219	210	202	66	27	37
320VH-E	243	235	226	76.5	50	38.5

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
50	SS-50VH-E54BH	18-54	0.35-1.5	91.0%	0.96	122*66*35
75	SS-75VH-E54BH	18-54	0.35-2.2	91.5%	0.96	143*66*35
100	SS-100VH-E54BH	18-54	0.35-2.8	92.0%	0.96	149*66*35
150	SS-150VH-E56BH	18-56	0.35-4.2	93.5%	0.96	179*66*37
200	SS-200VH-E56BH	18-56	0.7-5.6	93.5%	0.96	189*66*37
240	SS-240VH-E56BH	18-56	0.7-6.7	93.5%	0.96	219*66*37
320	SS-320VH-E56BH	18-56	0.7-8.0	94.0%	0.96	243*76.5*38.5

Note: BH, 0-10V/PWM/Resistor dimming+AUX
Please refer to spec for more details

VH-E D4i Series-----50-320W, 100-277Vac, D4i dimming, IP66/IP67, Class I/Class II



Features

- ▶ Input voltage: 100-277Vac
- ▶ Efficiency up to 94%
- ▶ NFC Programmable(CLO, ELA, TIM)
- ▶ 10kV/6kV surge protection
- ▶ Isolation AUX power: 24V/0.125A(Peak power: 6W)
- ▶ DALI-2 & D4i certification
- ▶ Over-Temperature Protection for LED Module
- ▶ Standby power<0.5W
- ▶ Integrated 16Vdc DALI bus power supply
- ▶ Integrated AC power metering with accuracy up to ±1%
- ▶ Suitable for Class I and Class II luminare
- ▶ Protections: SCP/OTP/OVP/OPP
- ▶ IP66/IP67
- ▶ 5 years warranty

Power Levels

50W 75W 100W 150W 200W 240W 320W

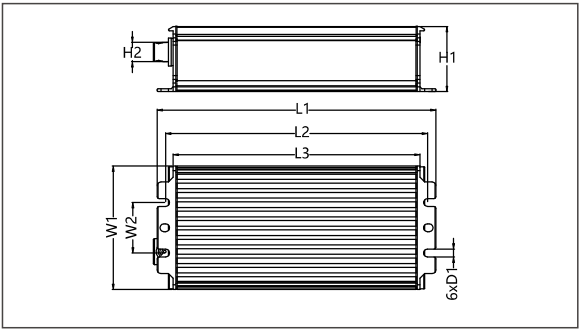
Applications

Street lighting, Tunnel lighting , High Pole lighting, High bay lighting, Stadium lighting, Stage lighting

Certificates



Dimension



Units : mm

Model	L1	L2	L3	W1	W2	W3	H
50VH-E	122	113	105	66	27	14.4	34.75
75VH-E	143	134	126	66	27	14.4	34.75
100VH-E	149	140	132	66	27	14.4	34.75
150VH-E	179	170	162	66	27	14.4	37
200VH-E	189	180	172	66	27	14.4	37
240VH-E	219	210	202	66	27	27	37
320VH-E	243	235	226	76.5	50	50	38.5

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
50	50VH-E54*	18-54	0.35-1.5	91.0%	0.97	122*66*35
75	75VH-E54*	18-54	0.35-2.2	91.5%	0.97	143*66*35
100	100VH-E54*	18-54	0.35-2.8	92.0%	0.97	149*66*35
150	150VH-E56*	18-56	0.35-4.2	93.5%	0.97	179*66*37
200	200VH-E56*	18-56	0.7-5.6	93.5%	0.97	189*66*37
240	240VH-E56*	18-56	0.7-6.7	93.5%	0.97	219*66*37
320	320VH-E56*	18-56	0.7-8.0	93.5%	0.97	243*76.5*38.5

Note: *=F, D4i dimming (Class I)
FE, D4i dimming (Class II)
Please refer to spec for more details

VH-A Series-----25-250W, 100-277Vac, 0-10V/PWM/Resistor dimming, IP67, Class I/Class II



Features

- ▶ Input voltage: 100-277Vac
- ▶ Efficiency up to 94.5%
- ▶ Flicker free(≥75W)
- ▶ Programmable(AOC, CLO, SSA, ELA)
- ▶ 10kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor isolated dimming
- ▶ Positive or negative logic dimming
- ▶ Dim to off
- ▶ Suitable for Class I and Class II luminaire
- ▶ Protections: SCP/OTP/OVP
- ▶ IP67
- ▶ 5 years warranty

Power Levels

25W 40W 60W 75W 100W 150W 200W 250W

Applications

Street light, Tunnel light, Flood light, High mast light, Highbay

Certificates



Dimension

Units: mm

Model	L1	L2	L3	W1	W2	H
25/40/60VH-A	105	100	92	66	32	31.5
75/100VH-A	138	129	121	66	32	35
150VH-A	165	158	149	66	32	35
200VH-A	165	158	149	66	32	37
250VH-A	180	171	163	66	32	37

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
25	SS-25VH-A62*	30-62	0.1-0.66	87.0%	0.97	105*66*31.5
40	SS-40VH-A62*	30-62	0.35-1.05	88.0%	0.97	105*66*31.5
60	SS-60VH-A54*	27-54	0.35-1.67	89.0%	0.97	105*66*31.5
60	SS-60VH-A86*	43-86	0.35-1.1	90.0%	0.97	105*66*31.5
75	SS-75VH-A62*	30-62	0.35-2.1	88.5%	0.97	138*66*35
75	SS-75VH-A108*	54-108	0.1-1.05	90.5%	0.97	138*66*35
100	SS-100VH-A62*	30-62	0.35-2.85	90.0%	0.97	138*66*35
100	SS-100VH-A143*	71-143	0.1-1.05	91.0%	0.97	138*66*35
150	SS-150VH-A62*	30-62	0.35-3.75	92.0%	0.97	165*66*35
150	SS-150VH-A215*	107-215	0.1-1.05	94.0%	0.97	165*66*35
200	SS-200VH-A62*	30-62	0.7-5.0	93.0%	0.97	165*66*37
200	SS-200VH-A286*	143-286	0.1-1.05	94.5%	0.97	165*66*37
250	SS-250VH-A358*	179-358	0.1-1.05	94.5%	0.97	180*66*37

Note: *=B, 0-10V/PWM/Resistor dimming (Class I)
BE, 0-10V/PWM/Resistor dimming (Class II)
Please refer to spec for more details

VH Series-----75-240W, 100-277Vac, 0-10V/PWM/Resistor dimming, IP67



Features

- ▶ Input voltage: 100-277Vac
- ▶ Efficiency up to 95%
- ▶ Programmable(AOC, CLO, SSA, ELA)
- ▶ 10kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor isolated dimming
- ▶ Positive or negative logic dimming
- ▶ Dim to off
- ▶ Type HL, suitable for hazardous locations
- ▶ Protections: SCP/OTP/OVP/OPP
- ▶ IP67
- ▶ 8 years warranty

Power Levels

75W 100W 150W 200W 240W

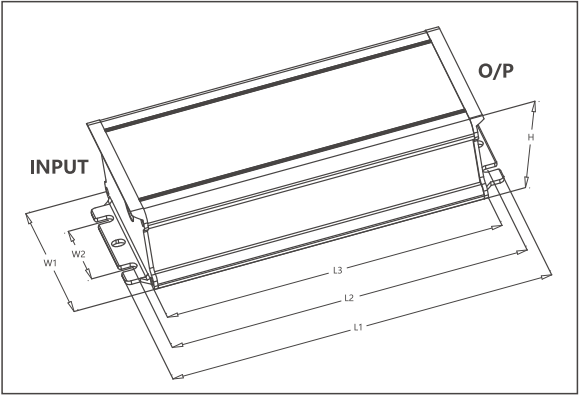
Applications

Street light, Wallpack, Flood light, Tunnel light

Certificates



Dimension



Units : mm

Model	L1	L2	L3	W1	W2	H
75/100VH	145	136	128	66	32	35
150VH	165	156	148	66	32	37
200VH	180	171	163	66	32	37
240VH	195	186	178	66	32	39

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
75	SS-75VH-56B	28-56	0.35-2.1	90.5%	0.97	145*66*35
96	SS-100VH-56B	28-56	0.35-2.66	90.5%	0.97	145*66*35
150	SS-150VH-56B	28-56	0.7-4.2	93.0%	0.98	165*66*37
200	SS-200VH-56B	28-56	0.7-5.6	94.0%	0.98	180*66*37
240	SS-240VH-56B	28-56	0.7-6.7	95.0%	0.98	195*66*39

Note: B, 0-10V/PWM/Resistor dimming
Please refer to spec for more details

GA-E Series-----30-250W, 100-277Vac, 0-10V/PWM/Resistor/DALI-2 dimming, IP67, Class I/Class II



Features

- ▶ Input voltage: 100-277Vac
- ▶ Full power working voltage: 180-277Vac
- ▶ Efficiency up to 94.5%
- ▶ Flicker Free
- ▶ Programmable(AOC, CLO, SSA, ELA), NFC program(DALI-2)
- ▶ 10kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor isolated dimming/DALI-2
- ▶ Positive or negative logic dimming
- ▶ Dim to off
- ▶ Suitable for Class I and Class II luminaire
- ▶ Protections: SCP/OTP/OVP/OPP
- ▶ IP67
- ▶ 5 years warranty

Power Levels

30W 50W 75W 100W 150W 200W 250W

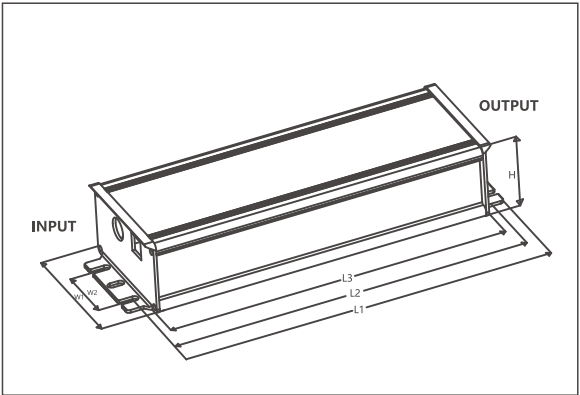
Applications

Street light, Tunnel light, Flood light, High mast light, Highbay, Horticulture light, Sports light

Certificates



Dimension



Units : mm

Model	L1	L2	L3	W1	W2	H
30/50GA-E	105	100	92	66	32	31.5
75/100GA-E	138	124	116	66	32	35
150GA-E	165	156	148	66	32	35
200GA-E	165	156	148	66	32	37
250GA-E	180	171	163	66	32	37

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
75	SS-75GA-E143B/BE	72-143	0.1-0.7	89.0%	0.97	138*66*35
100	SS-100GA-E95B/BE	48-95	0.35-1.5	90.0%	0.97	138*66*35
150	SS-150GA-E143B/BE	72-143	0.35-1.5	92.5%	0.97	165*66*35
200	SS-200GA-E378B/BE	189-378	0.1-0.7	94.0%	0.97	165*66*37
250	SS-250GA-E453B/BE	236-453	0.1-0.7	94.5%	0.97	180*66*37
30	SS-30GA-E62*	30-62	0.1-0.8	87.0%	0.97	105*66*31.5
30	SS-30GA-E100*	50-100	0.1-0.5	87.0%	0.97	105*66*31.5
50	SS-50GA-E62*	30-62	0.1-1.3	88.0%	0.97	105*66*31.5
50	SS-50GA-E100*	50-100	0.1-0.8	88.5%	0.97	105*66*31.5
75	SS-75GA-E62*	30-62	0.35-2.1	88.0%	0.97	138*66*35
75	SS-75GA-E108*	54-108	0.1-1.05	89.0%	0.97	138*66*35
100	SS-100GA-E62*	30-62	0.35-2.85	89.0%	0.97	138*66*35
100	SS-100GA-E143*	71-143	0.1-1.05	90.0%	0.97	138*66*35
150	SS-150GA-E62*	30-62	0.35-3.75	91.5%	0.97	165*66*35
150	SS-150GA-E215*	107-215	0.1-1.05	93.0%	0.97	165*66*35
200	SS-200GA-E62*	30-62	0.7-5.0	92.0%	0.97	165*66*37
200	SS-200GA-E286*	143-286	0.1-1.05	94.0%	0.97	165*66*37
250	SS-250GA-E62*	30-62	0.7-6.25	92.5%	0.97	180*66*37
250	SS-250GA-E358*	179-358	0.1-1.05	94.0%	0.97	180*66*37

Note: *=B, 0-10V/PWM/Resistor dimming (Class I)
BE, 0-10V/PWM/Resistor dimming (Class II)
D, DALI dimming(Class I)
DE, DALI dimming (Class II)
Please refer to spec for more details

PA Series-----22-220W, 220-240Vac, 0-10V/PWM/Resistor/D4i dimming, IP20, Class I/Class II



Features

- ▶ Input voltage: 220-240Vac
- ▶ Efficiency up to 95%
- ▶ Flicker free
- ▶ NFC program(AOC, CLO, SSA, ELA)
- ▶ 10kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor dimming, D4i(DALI-2), AC dimming, Time control
- ▶ AUX: 24Vdc(PA-F)
- ▶ LED module &Driver OTP function
- ▶ Built-in AC power metering with up to +1% accuracy
- ▶ Standby power<0.5W
- ▶ Suitable for Class I and Class II luminare
- ▶ IP20(Suitable for light>IP54)
- ▶ Installation dimensions conform to Zhaga Interface Specification Book 13
- ▶ 5 years warranty(0-10V/PWM/Resistor Version)
- ▶ 8 years warranty(D4i Version)

Power Levels

22W 40W 75W 110W 120W 165W 220W

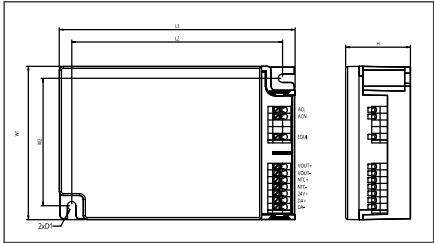
Applications

Street light, Tunnel light, Flood light, High mast light, Highbay, Horticulture light, Sports light

Certificates



Dimension



Model	Units : mm				
	L1	L2	W1	W2	H
22PA-B/40PA-B	123	111	79	/	31
40PA-F/75PA-B/110PA-B	133	122	77	/	37
75PA-F/110PA-F	150	133	90	70	37
165PA-B/165PA-F/220PA-F	171	160	101	90	35

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
22	SS-22PA-32B	12-32	0.35-1.05	85.0%	0.98	123*79*31
40	SS-40PA-54B	20-54	0.35-1.05	88.0%	0.98	123*79*31
75	SS-75PA-108B	38-108	0.35-1.05	91.0%	0.98	133*77*37
110	SS-110PA-160B	55-160	0.35-1.05	92.0%	0.98	133*77*37
165	SS-165PA-235B	90-235	0.35-1.05	92.0%	0.98	171*101*35
40	SS-40PA-57F	19-57	0.3-1.05	90.5%	0.98	133*77*37
40	SS-40PA-133F	44-133	0.2-0.45	90.5%	0.98	133*77*37
75	SS-75PA-114F	36-114	0.2-1.05	92.0%	0.98	150*90*37
75	SS-75PA-178F	56-178	0.2-0.7	93.0%	0.98	150*90*37
110	SS-110PA-160F	52-160	0.2-1.05	93.0%	0.98	150*90*37
165	SS-165PA-236F	79-236	0.2-1.05	94.0%	0.98	171*101*35
220	SS-220PA-314F	104-314	0.2-1.05	94.5%	0.98	171*101*35

Note: B, 0-10V/PWM/Resistor dimming
F, D4i+NFC Programmable
Please refer to spec for more details

PA-H Series-----40-165W, 220-240Vac, 0-10V/PWM/Resistor/D4i dimming, IP20, Class I/Class II



Features

- ▶ Input voltage:220-240Vac
- ▶ Efficiency up to 95%
- ▶ Flicker free
- ▶ NFC box programming(PA-HF)
- ▶ NFC program(AOC, CLO, SSA, ELA)
- ▶ 10kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor dimming, D4i(DALI-2), AC dimming, Time control
- ▶ AUX: 24Vdc(PA-HF)
- ▶ LED module &Driver OTP function
- ▶ Built-in AC power metering with up to ±1% accuracy
- ▶ Standby power<0.5W
- ▶ Suitable for Class I and Class II luminaire
- ▶ IP20(Suitable for light>IP54)
- ▶ Installation dimensions conform to Zhaga Interface Specification Book 13
- ▶ 5 years warranty(0-10V/PWM/Resistor Version)
- ▶ 8 years warranty(D4i Version)

Power Levels

40W 60W 80W 120W 165W

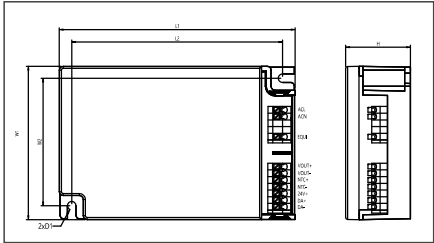
Applications

Street light, Tunnel light, Flood light, High mast light, Highbay, Horticulture light, Sports light

Certificates



Dimension



Model	Units : mm				
	L1	L2	W1	W2	H
40PA-HB/80PA-HB	123	111	79	/	31
40PA-HF/60PA-HF/80PA-HF	123	110	79	66.5	33.8
120PA-HF	133	122	77	38.5	40
165PA-HF	150	133	90	70	40

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
40	SS-40PA-H57B	19-57	0.2-1.05	89.0%	0.98	123*79*31
80	SS-80PA-H114B	38-114	0.2-1.05	91.0%	0.98	123*76*31
120	SS-120PA-H172B★	57-172	0.2-1.05	94.0%	0.98	133*77*37
165	SS-165PA-H236B★	79-236	0.2-1.05	94.0%	0.98	133*77*37
40	40PA-H80F	20-80	0.2-1.05	92.0%	0.98	123*79*33.8
60	60PA-H120F	40-120	0.2-1.05	92.5%	0.98	123*79*33.8
80	80PA-H160F	38-160	0.2-1.05	93.5%	0.98	123*79*33.8
120	120PA-H240F	57-240	0.2-1.05	94.5%	0.98	133*77*40
165	165PA-H330F	110-330	0.2-1.05	95.0%	0.98	150*90*40

Note: B, 0-10V/PWM/Resistor dimming+NFC Programmable
F, D4i+NFC Programmable
★, Under development
Please refer to spec for more details

EP-M/EP-S Series---55-190W, 120-347/277-480Vac, 0-10V/PWM/Resistor dimming



Features

- ▶ Input voltage: 120-347Vac(EP-M), 277-480Vac(EP-S)
- ▶ Efficiency up to 92.5%
- ▶ Flicker free
- ▶ Programmable(AOC, CLO, SSA, ELA)
- ▶ 6kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor isolated dimming
- ▶ Positive or negative logic dimming
- ▶ Dim to off
- ▶ AUX: 12Vdc
- ▶ Standby power<0.5W
- ▶ Class 2 & Class P
- ▶ 5 years warranty

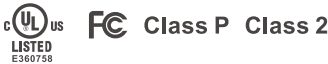
Power Levels

EP-M: 55W 75W 100W 150W 190W
EP-S: 55W 75W 100W

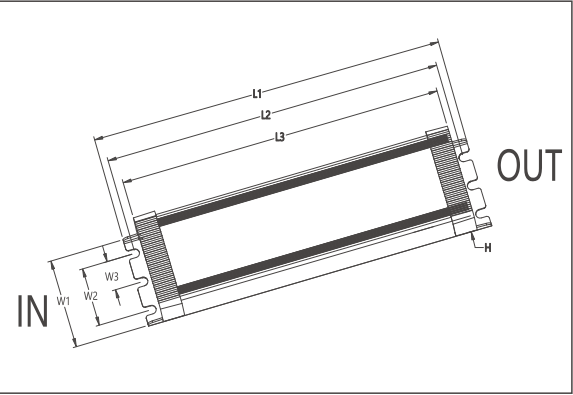
Applications

Street light, Tunnel light, Flood light, High mast light, Highbay, Horticulture light, Sports light

Certificates



Dimension



Units : mm							
Model	L1	L2	L3	W1	W2	W3	H
55EP-M	164	156	150	45.5	28	14	31
75/100EP-M	220	212	206	45.5	28	14	31
150EP-M	285	277	271	45.5	28	14	31
190EP-M	360	352	346	45.5	28	14	31
55EP-S	200	192	186	45.5	28	14	31
75/100EP-S	220	212	206	45.5	28	14	31

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
55	SS-55EP-M54BH	18-54	0.2-1.8	88.0%	0.95	164*45.5*31
75	SS-75EP-M54BH	18-54	0.2-2.1	88.0%	0.95	220*45.5*31
100	SS-100EP-M54BH	18-54	0.35-2.75	90.0%	0.95	220*45.5*31
75X2	SS-150EP-M54BH2	18-54	0.35-2.1	92.5%	0.95	285*45.5*31
75X2	SS-150EP-M54BHB2	18-54	0.35-2.1	92.5%	0.95	285*45.5*31
95X2	SS-190EP-M54BH2	18-54	0.35-2.64	92.5%	0.95	360*45.5*31
95X2	SS-190EP-M54BHB2	18-54	0.35-2.64	92.5%	0.95	360*45.5*31
55	SS-55EP-S54BH	18-54	0.2-1.52	86.5%	0.97	200*45.5*31
75	SS-75EP-S54BH	18-54	0.2-2.1	88.0%	0.97	220*45.5*31
100	SS-100EP-S54BH	18-54	0.35-2.75	89.0%	0.97	220*45.5*31

Note: BH, 0-10V/PWM/Resistor dimming+AUX
BH2, 0-10V/PWM/Resistor dimming+AUX(two channels)
BHB2, 0-10V/PWM/Resistor dimming+AUX (two channels)+DIP Switch Power
Please refer to spec for more details

AX Series-----Constant voltage, 50-350W, 120-277Vac, IP67



Features

- ▶ Input voltage: 120-277Vac
- ▶ Efficiency up to 94%
- ▶ Flicker free
- ▶ 6kV/4kV surge protection(10kV/6kV optional)
- ▶ Protections: SCP/STP/SVP
- ▶ IP66/IP67
- ▶ 5 years warranty

Power levels

50W 75W 90W 100W 150W 200W 250W 350W

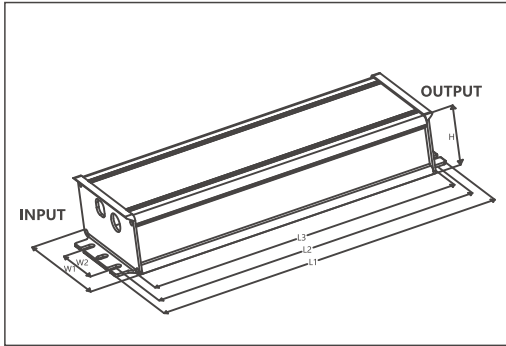
Applications

Light strip light, Landscape light, Advertising light

Certificates

     Class 2

Dimension



Model	Units : mm					
	L1	L2	L3	W1	W2	H
50/75/90/100AX	105	100	92	66	32	31.5
150AX	138	129.1	121	66	32	37
200/250AX	165	156.1	148	66	32	37
350AX	243	238	230	76.5	53.8	38.5

Specification

Output Power(W)	Model	Output Voltage(V)	Output Voltage(A)	Efficiency	PF	Dimension(L*W*H)mm
50	SS-50AX-12	12	0-4.16	85.8%	0.98	105*66*31.5
50	SS-50AX-24	24	0-2.08	86.8%	0.98	105*66*31.5
75	SS-75AX-12	12	0-6.25	90.0%	0.98	105*66*31.5
75	SS-75AX-24	24	0-3.15	90.5%	0.98	105*66*31.5
90	SS-90AX-24	24	0-3.75	93.5%	0.98	105*66*31.5
100	SS-100AX-12	12	0-8.4	92.5%	0.98	105*66*31.5
100	SS-100AX-24	24	0-4.2	93.0%	0.98	105*66*31.5
150	SS-150AX-12	12	0-12.5	91.5%	0.98	138*66*35
150	SS-150AX-24	24	0-6.25	93.0%	0.98	138*66*35
200	SS-200AX-12	12	0-16.7	92.0%	0.98	165*66*37
200	SS-200AX-24	24	0-8.4	93.0%	0.98	165*66*37
250	SS-250AX-12	12	0-20.83	93.0%	0.98	165*66*37
250	SS-250AX-24	24	0-10.42	93.0%	0.98	165*66*37
350	SS-350AX-24	24	0-14.6	94.0%	0.98	243*76.5*38.5
350	SS-350AX-48	48	0-7.3	94.0%	0.98	243*76.5*38.5

Please refer to spec for more details

VP Series-----50-1500W, 100-277Vac, 0-10V/PWM/Resistor/DALI-2 dimming, AUX:12V, IP67



Features

- ▶ Input voltage: 100-277Vac
- ▶ Efficiency up to 95.5%
- ▶ Constant power, flicker free
- ▶ Programmable(AOC, CLO, ELA, SSA)
- ▶ 10kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor isolated dimming/DALI-2, dim to off
- ▶ AUX: 12Vdc
- ▶ Type HL, suitable for hazardous locations
- ▶ Protections: SCP/OTP/OVP
- ▶ IP67
- ▶ 5 years warranty(8 years optional)

Power Levels

50W 75W 100W 150W 200W 240W 320W 400W 500W 600W 650W 720W
730W 1000W 1500W

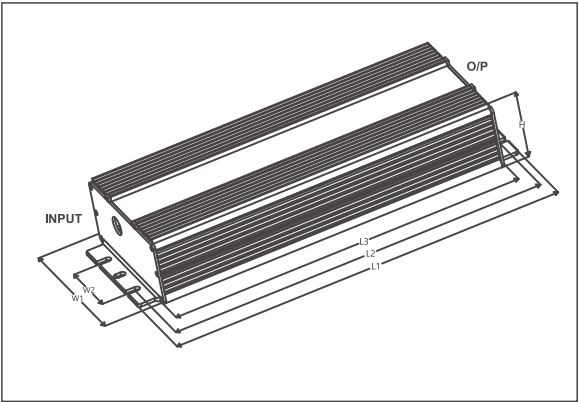
Applications

Street light, High mast light, Fish light, Horticulture light, Sports light

Certificates



Dimension



Units : mm

Model	L1	L2	L3	W1	W2	H
50VP	138	129	121	66	32	35.5
75VP	179	164	154	66	32	35.5
100VP	193	178	169	66	32	35.5
150VP	209	196	182	71	34	39.6
200VP	244	229	219	71	34	39.6
240VP	254	241	230	71	34	39.6
320/400VP	252	238.3	225	89.5	40	44.5
500VP	260.8	247.3	234	125	78	43.5
600/720VP	282	267	261.2	144	97	49.5
650/730VP	430	416.5	403.2	89.5	40	44.5
1000VP	440	426.5	413.2	89.5	40	44.5
1500VP	489	475	464	90	40	49

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
50	SS-50VP-56*	22-56	0.35-1.56	86.0%	0.95	138*66*35.5
50	SS-50VP-72*	28-72	0.35-1.4	87.0%	0.95	138*66*35.5
75	SS-75VP-56*	22-56	0.35-2.4	88.0%	0.95	179*66*35.5
75	SS-75VP-108*	54-108	0.1-1.05	90.0%	0.95	179*66*35.5
100	SS-100VP-56*	22-56	0.35-3.0	90.0%	0.95	193*66*35.5
100	SS-100VP-143*	72-143	0.1-1.05	92.0%	0.95	193*66*35.5
150	SS-150VP-56*	22-56	0.35-4.2	92.0%	0.95	209*71*39.6
150	SS-150VP-143*	72-143	0.35-1.5	92.0%	0.95	209*71*39.6
150	SS-150VP-215*	108-215	0.1-1.05	93.0%	0.95	209*71*39.6
200	SS-200VP-56*	22-56	0.7-5.6	92.0%	0.95	244*71*39.6
200	SS-200VP-190*	95-190	0.35-1.5	92.5%	0.95	244*71*39.6
200	SS-200VP-286*	143-286	0.1-1.05	92.5%	0.95	244*71*39.6
240	SS-240VP-56*	22-56	0.7-6.67	92.5%	0.95	254*71*39.6
240	SS-240VP-228*	114-228	0.35-1.5	93.0%	0.95	254*71*39.6
240	SS-240VP-343*	171-343	0.1-1.05	93.5%	0.95	254*71*39.6
320	SS-320VP-56*	22-56	1.05-8.4	94.0%	0.95	252*89.5*44.5
320	SS-320VP-228*	114-228	0.35-1.75	93.5%	0.95	252*89.5*44.5
320	SS-320VP-428*	214-428	0.1-1.05	94.0%	0.95	252*89.5*44.5
400	SS-400VP-56*	28-56	1.05-8.35	94.0%	0.95	252*89.5*44.5
400	SS-400VP-228*	114-228	0.35-2.5	95.0%	0.95	252*89.5*44.5
500	SS-500VP-56*	22-56	1.4-11.4	94.5%	0.95	260.8*125*43.5
500	SS-500VP-228*	114-228	0.35-2.8	94.5%	0.95	260.8*125*43.5
500	SS-500VP-428*	214-428	0.35-1.4	95.0%	0.95	260.8*125*43.5
600	SS-600VP-42*	20-42	1.7-16.7	93.0%	0.95	282*144*49.5
600	SS-600VP-56*	22-56	1.25-12.5	95.0%	0.95	282*144*49.5
600	SS-600VP-190*	95-190	0.7-4.2	95.0%	0.95	282*144*49.5
600	SS-600VP-286*	143-286	0.35-2.8	95.0%	0.95	282*144*49.5
600	SS-600VP-428*	214-428	0.35-1.75	95.0%	0.95	282*144*49.5
650	SS-650VP-56BH/BHB	28-56	1.4-13.5	95.0%	0.95	430*89.5*44.5
720	SS-720VP-56*	28-56	1.5-15.0	95.0%	0.95	282*144*49.5
730	SS-730VP-56BH/BHB	28-56	1.75-15.2	95.0%	0.95	430*89.5*44.5
1000	SS-1000VP-54BH	28-56	2.1-20.8	95.0%	0.95	440*89.5*44.5
1000	SS-1000VP-56BH/BHB	28-56	2.1-20.8	95.0%	0.95	440*89.5*44.5
1500	SS-1500VP-56BH/BHB	36-56	3.15-31.25	95.5%	0.95	489*90*49

Note: *=BH, 0-10V/PWM/Timing dimming+AUX
BHN, 0-10V/PWM/Resistor dimming+AUX+NTC
DH, DALI dimming+AUX
DHN, DALI dimming+AUX+NTC
BHB, integrated horticulture light LED Driver with knob, Network dimming can be realized through RJ25 network interface (BHB Version Only for 320/400/650/730/1000/1500VP-56)
Please refer to spec for more details

VP-H Series-----200-880W, 100-277Vac, 0-10V/PWM/Resistor/DALI-2 dimming, AUX:12V, IP67



Features

- ▶ Input voltage: 100-277Vac
- ▶ Efficiency up to 95%
- ▶ Constant power, flicker free
- ▶ Programmable(AOC, CLO, ELA, SSA, NTC)
- ▶ 10kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor isolated dimming/DALI-2, dim to off
- ▶ AUX: 12Vdc
- ▶ Type HL, suitable for hazardous locations
- ▶ Protections: SCP/OTP/OVP
- ▶ IP67
- ▶ 5 years warranty(8 years optional)

Power Levels

200W 240W 320W 500W 680W 880W

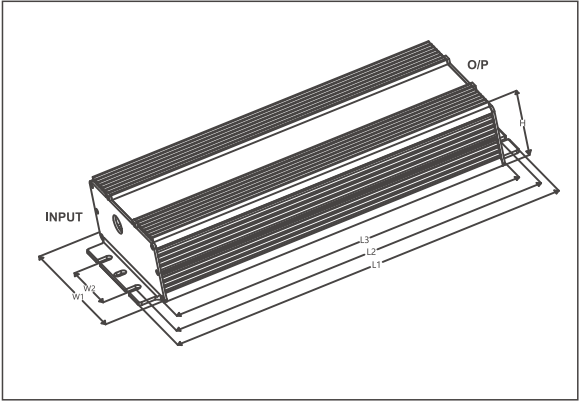
Applications

Sports light, Fish light, Horticulture light

Certificates



Dimension



Units : mm

Model	L1	L2	L3	W1	W2	H
200VP-H	209	196	182	71	34	39.6
240VP-H	244	229	219	71	34	39.6
320VP-H	254	241	230	71	34	42.7
500VP-H	262	251	240	105	60	44.5
680VP-H	272	261	250	125	78	44.5
880VP-H	276	265	254	144	97	49.5

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
200	SS-200VP-H56*	36-56	0.7-4.35	92.5%	0.95	209*71*39.6
240	SS-240VP-H56*	36-56	0.7-5.22	93.0%	0.95	244*71*39.6
320	SS-320VP-H56*	36-56	0.7-6.7	93.5%	0.95	254*71*42.7
500	SS-500VP-H56*	28-56	1.4-11.4	95.0%	0.97	262*105*44.5
680	SS-680VP-H56*	28-56	1.4-14.16	95.0%	0.97	272*125*44.5
680	SS-680VP-H200*	100-200	0.7-4.53	95.0%	0.95	272*125*44.5
880	SS-880VP-H56*	28-56	2.1-20.0	95.0%	0.97	276*144*49.5
880	SS-880VP-H200*	100-200	0.7-5.86	95.0%	0.97	276*144*49.5

Note : *=BH, 0-10V/PWM/Resistor dimming+AUX
DH, DALI dimming+AUX(DALI dimming only for 320/500/680/880W)
BHN, 0-10V/PWM/Resistor dimming+AUX+NTC
DHN, DALI dimming+AUX+NTC
Please refer to spec for more details

VP-E Series-----600-1000W, 120-277Vac, 0-10V/PWM/Resistor dimming, IP67



Features

- ▶ Input voltage: 120-277Vac
- ▶ Efficiency up to 96%
- ▶ Special design for horticulture lighting
- ▶ Programmable(AOC, CLO, SSA, ELA, NTC)
- ▶ 10kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor isolated dimming, dim to off
- ▶ Standby power<0.5W, dim-to-off@230Vac
- ▶ AUX: 12Vdc
- ▶ RJ25+knob, panel mount connectors optional
- ▶ Type HL, suitable for hazardous locations
- ▶ Protections: SCP/OTP/OVP
- ▶ IP67
- ▶ 5 years warranty

Power Levels

600W 800W 1000W

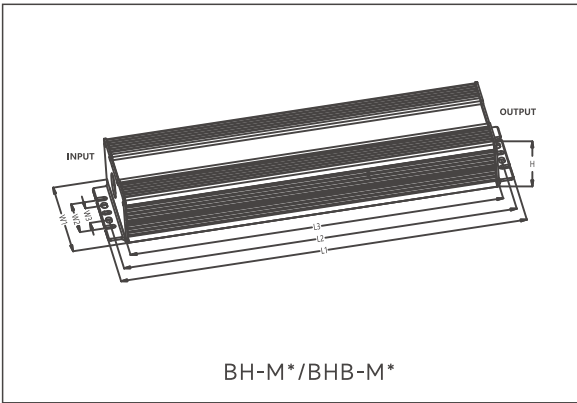
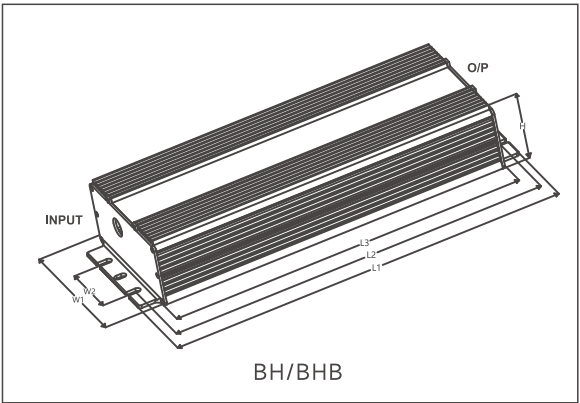
Applications

Horticulture light, Sports light, Square light, Fish light

Certificates



Dimension



Units : mm

Model	L1	L2	L3	W1	W2	W3	H
600VP-E56BH	325	312	297	89.5	40	/	44.5
600VP-E56BHB	335	325	308	89.5	40	/	44.5
600VP-E56BH-M*/BHB-M*	335	325	308	89.5	40	21	44.5
800VP-E56BH	380	367	354	89.5	40	/	44.5
800VP-E56BHB	390	377	364	89.5	40	/	44.5
800VP-E56BH-M*/BHB-M*	390	377	364	89.5	40	21	44.5
1000VP-E56BH/BHB	461	447	436	89.5	40	/	49
1000VP-E56BH-M*/BHB-M*	461	447	436	89.5	40	21	49

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
600	SS-600VP-E56*	28-56	1.4-12.5	95.5%	0.95	325*89.5*44.5(BH/BHN) 335*89.5*44.5(BHB/BH-M*/BHB-M*)
800	SS-800VP-E56*	28-56	1.75-16.7	95.5%	0.95	380*89.5*44.5(BH/BHN) 390*89.5*44.5(BHB/BH-M*/BHB-M*)
1000	SS-1000VP-E56*	28-56	2.1-20.8	96.0%	0.95	461*89.5*49

Note:*=BH, 0-10V/PWM/Resistor/Timing dimming+AUX
BHN, 0-10V/PWM/Resistor/Timing dimming+AUX+NTC
BHB, integrated horticulture light LED Driver with knob, Network dimming can be realized through RJ25 network interface
BHB-M*, 0-10V/PWM/Resistor+12V, Input M19/Output M19/Dimming & AUX M12 Panel Mount Connectors
BH-M*, integrated horticulture light LED Driver with knob, Network dimming can be realized through RJ25 network interface
+Input M19/Output M19 Panel Mount Connectors
Please refer to spec for more details

VP-G Series-----730-1200W, 200-277Vac,
0-10V/PWM/Resistor/DALI-2 dimming, IP67



Features

- ▶ Input voltage: 200-277Vac
- ▶ Efficiency up to 95.5%
- ▶ Special design for horticulture lighting
- ▶ Programmable(AOC, CLO, SSA, ELA, NTC)
- ▶ 10kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor isolated dimming, DALI-2(Only for 1200VP-G), dim to off
- ▶ Standby power<0.5W, dim-to-off@230Vac
- ▶ AUX: 12Vdc
- ▶ RJ25+knob, panel mount connectors optional
- ▶ Type HL, suitable for hazardous locations
- ▶ Protections: SCP/OTP/OVP
- ▶ IP67
- ▶ 5 years warranty

Power Levels

730W 800W 1000W 1200W

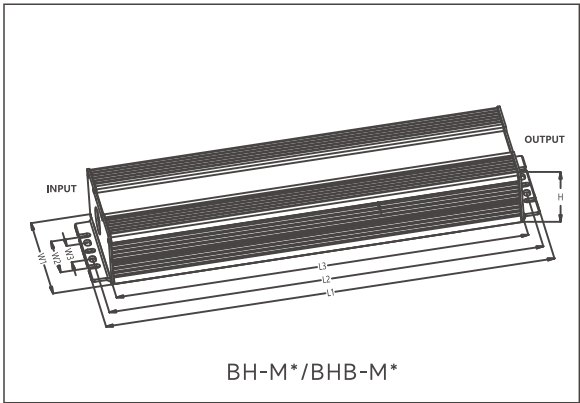
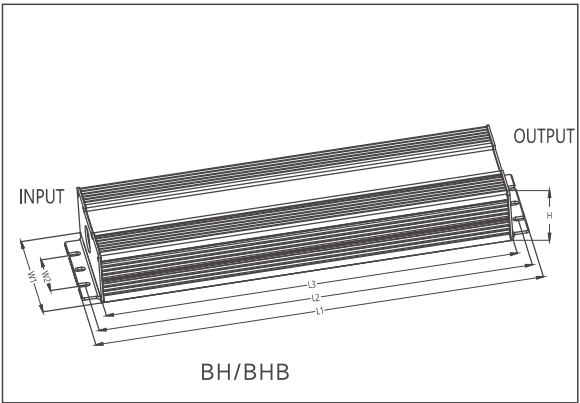
Applications

Sports light, Fish light, Horticulture light, Square light

Certificates



Dimension



Units : mm

Model	L1	L2	L3	W1	W2	W3	H
730/800VP-G56BH/BHN	325	312	297	89.5	40	/	44.5
730/800VP-G56BHB	335	325	308	89.5	40	/	44.5
730/800VP-G56BH-M*/BHB-M*	335	325	308	89.5	40	21	44.5
1000VP-G56BH/BHN	380	367	354	89.5	40	/	44.5
1000VP-G56BHB	390	377	364	89.5	40	/	44.5
1000VP-G56BH-M*/BHB-M*	390	377	364	89.5	40	21	44.5
1200VP-G	310	299	288	144	97	/	49.5
1200VP-GL56BH/BHB/BHN	461	447	436	89.5	40	/	49
1200VP-GL56BH-M*/BHB-M*	461	447	436	89.5	40	21	49

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
730	SS-730VP-G56*	28-56	1.75-15.2	95.5%	0.95	325*89.5*44.5(BH/BHN) 335*89.5*44.5(BHB/BH-M*/BHB-M*)
800	SS-800VP-G56*	28-56	1.75-16.7	95.5%	0.95	325*89.5*44.5(BH/BHN) 335*89.5*44.5(BHB/BH-M*/BHB-M*)
1000	SS-1000VP-G56*	28-56	2.1-20.8	95.5%	0.95	380*89.5*44.5(BH/BHN) 390*89.5*44.5(BHB/BH-M*/BHB-M*)
1200	SS-1200VP-G200*	100-200	1.05-8.0	95.0%	0.97	310*144*49.5
1200	SS-1200VP-GL56*	28-56	2.8-25.0	95.5%	0.95	461*89.5*49

Note:*=BH, 0-10V/PWM/Resistor dimming+AUX
DH, DALI+AUX(Only for 1200VP-G)
BHN, 0-10V/PWM/Resistor dimming+AUX+NTC
DHN, DALI+AUX+NTC(Only for 1200VP-G)
BHB, integrated horticulture light LED Driver with knob, network dimming can be realized through Rj25 network interface(Except 1200VP-G)
BHB-M*, integrated horticulture light LED Driver with knob,Network dimming can be realized through RJ25 network interface, Input M19/Output M19 Panel Mount Connectors(Except 1200VP-G)
BH-M*, input M19/Output M19/Dimming & AUX M12 Panel Mount Connectors(Except 1200VP-G)
Please refer to spec for more details

M Series-----100-1000W, 200/220/277-480Vac, 0-10V/PWM/Resistor dimming, AUX:12V, IP67



Features

- ▶ Input voltage: 277-480Vac/220-480Vac(600/800M)/200-480Vac(680/880M)
- ▶ Efficiency up to 96.5%
- ▶ Constant power, flicker free
- ▶ Programmable(AOC, CLO, SSA, ELA)
- ▶ 10kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor isolated dimming, dim to off
- ▶ AUX: 12Vdc
- ▶ Class 2(100M)/Class P
- ▶ Type HL, suitable for hazardous locations
- ▶ Protections: SCP/OTP/IUVP
- ▶ IP67
- ▶ 5 years warranty

Power Levels

100W 150W 240W 320W 600W 680W 800W 880W 1000W

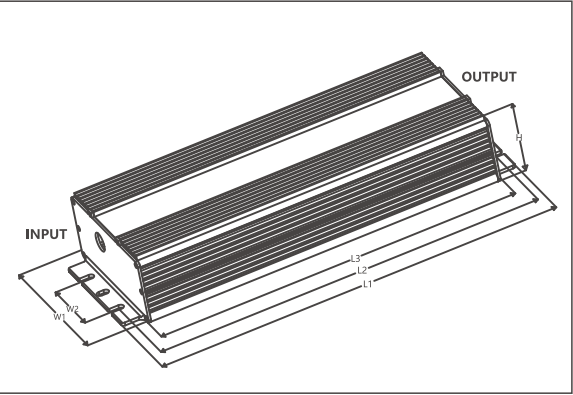
Applications

Street light, Flood light, Horticulture light, Sports light, High mast light

Certificates



Dimension



Units : mm						
Model	L1	L2	L3	W1	W2	H
100/150M	221	206	197	71	34	39.6
240M	254	241	230	71	34	39.6
320M	261.8	248.3	235	89.5	40	44.5
600M	288	266.7	255.2	144	97	49.5
680M	430	416.5	403.2	89.5	40	44.5
800M	288	266.7	261.2	144	97	49.5
880M/1000M	440	426.5	413.2	89.5	40	44.5

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
96	SS-100M-56BH	22-56	0.35-2.97	89.0%	0.95	221*71*39.6
100	SS-100M-185BH	75-185	0.1-1.05	90.0%	0.95	221*71*39.6
150	SS-150M-56BH	22-56	0.35-4.2	90.0%	0.95	221*71*39.6
150	SS-150M-215BH	85-215	0.1-1.4	91.0%	0.95	221*71*39.6
240	SS-240M-56BH	22-56	0.7-6.7	92.0%	0.95	254*71*39.6
240	SS-240M-228BH	114-228	0.35-1.75	93.0%	0.95	254*71*39.6
240	SS-240M-343BH	171-343	0.1-1.05	93.0%	0.95	254*71*39.6
320	SS-320M-56BH	32-56	0.7-8.4	92.0%	0.95	261.8*89.5*44.5
320	SS-320M-228BH	114-228	0.35-1.75	93.0%	0.95	261.8*89.5*44.5
320	SS-320M-428BH	214-428	0.1-1.05	93.0%	0.95	261.8*89.5*44.5
600	SS-600M-56BH	22-56	1.25-12.5	95.5%	0.98	288*144*49.5
600	SS-600M-190BH	95-190	0.7-4.2	95.5%	0.98	288*144*49.5
600	SS-600M-286BH	143-286	0.35-2.8	95.5%	0.98	288*144*49.5
600	SS-600M-428BH	214-428	0.35-1.75	95.5%	0.98	288*144*49.5
680	SS-680M-56BH	36-56	1.4-14.2	95.0%	0.98	430*89.5*44.5
800	SS-800M-56BH	28-56	1.67-16.7	96.0%	0.95	288*144*49.5
800	SS-800M-190BH	95-190	0.7-5.26	95.5%	0.95	288*144*49.5
800	SS-800M-380BH	190-380	0.35-2.6	96.0%	0.95	288*144*49.5
880	SS-880M-56BH	28-56	1.8-18.3	96.5%	0.98	440*89.5*44.5
880	SS-880M-205BH	110-205	0.8-5.0	96.5%	0.98	440*89.5*44.5
1000	SS-1000M-56BH	28-56	2.1-20.8	96.0%	0.98	440*89.5*44.5

Note: BH, 0-10V/PWM/Timing dimming+AUX
Please refer to spec for more details

MS Series-----50-1200W, 200-480Vac, 0-10V/PWM/Resistor/DALI-2 dimming, AUX:12V, IP66/IP67



Features

- ▶ Input voltage: 200-480Vac
- ▶ Efficiency up to 96%
- ▶ Constant power, flicker free
- ▶ Programmable(AOC, NTC, CLO, SSA, ELA)
- ▶ 10kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor dimming/DALI-2, dim to off
- ▶ AUX: 12Vdc
- ▶ Type HL, suitable for hazardous locations
- ▶ Protections: SCP/OTP/IUVP
- ▶ IP67
- ▶ 5 years warranty

Power Levels

50W 75W 95W 150W 200W 240W 320W 500W 680W 880W 1200W

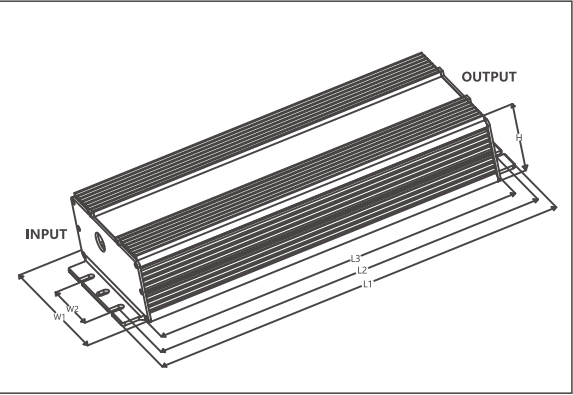
Applications

Street light, Tunnel light, Flood light, High bay light, Horticulture light, Sports light, Fish light

Certificates



Dimension



Units : mm

Model	L1	L2	L3	W1	W2	H
50/75MS	142	134	125	76.5	27	36.7
95MS	148	140	131	76.5	27	36.7
150MS	178	170	161	76.5	27	38.5
200MS	190	182	173	76.5	27	38.5
240MS	218	210	201	76.5	27	38.5
320MS	243	235	224	85	50	44.5
500MS	262	251	240	105	60	44.5
680MS	272	261	250	125	78	44.5
880MS	276	265	254	144	97	49.5
1200MS	310	292	282	144	97	49.5

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
50	SS-50MS-54*	17-54	0.35-1.5	87.0%	0.96	142*76.5*36.7
75	SS-75MS-54*	17-54	0.35-2.2	88.5%	0.96	142*76.5*36.7
95	SS-95MS-54*	17-54	0.35-2.8	90.0%	0.96	148*76.5*36.7
150	SS-150MS-56*	18-56	0.35-4.2	91.5%	0.96	178*76.5*38.5
200	SS-200MS-56*	18-56	0.7-5.6	92.0%	0.96	190*76.5*38.5
240	SS-240MS-56*	18-56	0.7-6.7	92.0%	0.96	218*76.5*38.5
320	SS-320MS-56*	18-56	0.7-8.0	94.0%	0.96	243*85*44.5
500	SS-500MS-200*	100-200	0.35-3.33	95.5%	0.95	262*105*44.5
500	SS-500MS-290*	145-290	0.35-2.38	95.5%	0.95	262*105*44.5
500	SS-500MS-400*	200-400	0.35-1.67	96.0%	0.95	262*105*44.5
680	SS-680MS-145*	73-145	0.7-6.3	94.5%	0.95	272*125*44.5
680	SS-680MS-200*	100-200	0.7-4.53	95.5%	0.95	272*125*44.5
680	SS-680MS-290*	145-290	0.35-3.23	96.0%	0.95	272*125*44.5
680	SS-680MS-400*	200-400	0.35-2.27	96.5%	0.95	272*125*44.5
880	SS-880MS-200*	100-200	0.7-5.86	96.0%	0.95	276*144*49.5
880	SS-880MS-290*	145-290	0.7-4.19	96.0%	0.95	276*144*49.5
880	SS-880MS-400*	200-400	0.7-2.93	96.5%	0.95	276*144*49.5
1200	SS-1200MS-200*	100-200	1.05-8.0	96.0%	0.95	310*144*49.5
1200	SS-1200MS-290*	145-290	0.7-5.71	96.0%	0.95	310*144*49.5
1200	SS-1200MS-400*	200-400	0.7-4.0	96.0%	0.95	310*144*49.5

Note : *=BH, 0-10V/PWM/Resistor dimming+AUX
DH, DALI dimming+AUX(500-1200W)
BHN, 0-10V/PWM/Resistor dimming+AUX+NTC
DHN, DALI dimming+AUX+NTC(500-1200W)
Please refer to spec for more details

L-N Series-----Non-isolated, 650-1000W, 200-277Vac ,
0-10V/PWM/Resistor dimming, IP67



Features

- ▶ Input voltage: 200-277Vac
- ▶ Efficiency up to 96.5%
- ▶ Non-isolated, flicker free
- ▶ Programmable(AOC, CLO, SSA, ELA)
- ▶ 6kV/6kV surge protection
- ▶ Standby power<0.5W
- ▶ 0-10V/PWM/Resistor isolated dimming, dim to off
- ▶ AUX: 12Vdc
- ▶ Protections: SCP/OTP/IUVP
- ▶ IP67
- ▶ 5 years warranty

Power Levels

650W 800W 1000W

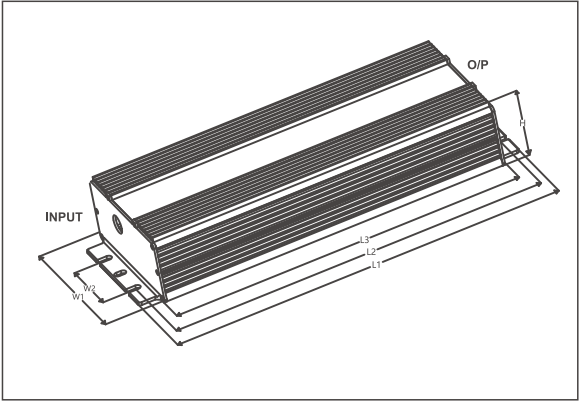
Applications

Horticulture light, Sports light, Fish light

Certificates



Dimension



Units : mm

Model	L1	L2	L3	W1	W2	H
650L-N	252	238.3	225	89.5	40	44.5
800L-N	280	266.5	253.2	89.5	40	44.5
1000L-N	368.3	354.8	341.5	89.5	40	44.5

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
650	SS-650L-N360BH	210-360	0.35-2.7	96.0%	0.98	252*89.5*44.5
800	SS-800L-N360BH	210-360	0.7-3.33	96.5%	0.95	280*89.5*44.5
1000	SS-1000L-N360BH	210-360	0.7-4.17	96.5%	0.95	368.3*89.5*44.5

Note: BH, 0-10V/PWM/Resistor dimming+AUX
Please refer to spec for more details

RUN Series-----Slim, Non-isolated, 400-800W, 100-277Vac, 0-10V/PWM/Resistor dimming, IP67



Features

- ▶ Input voltage: 100-277Vac
- ▶ Efficiency up to 97%
- ▶ Slim profile
- ▶ Non-isolated, flicker free
- ▶ Programmable(AOC, CLO, SSA, ELA)
- ▶ 6kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor isolated dimming, dim to off
- ▶ AUX: 12Vdc
- ▶ Protections: SCP/OTP
- ▶ IP67
- ▶ 5 years warranty

Power Levels

400W 600W 800W

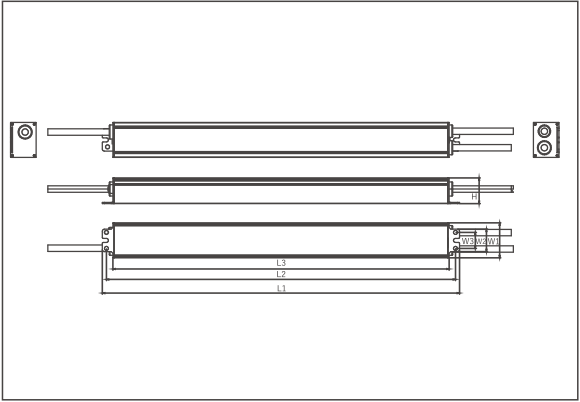
Applications

Horticulture light, Highbay, Fish light

Certificates



Dimension



Units : mm

Model	L1	L2	L3	W1	W2	H
400RUN	390	380	364	43.5	20	32
600RUN	445	435	419	43.5	20	32
800RUN	508	498	482	43.5	20	38

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
400	SS-400RUN-400BH	200-400	0.35-1.74	95.5%	0.98	390*43.5*32
600	SS-600RUN-400BH	200-400	0.35-2.6	95.5%	0.98	445*43.5*32
800	SS-800RUN-360BH	200-360	0.35-3.47	96.0%	0.97	508*43.5*38

Note: BH, 0-10V/PWM/Resistor dimming+AUX
Please refer to spec for more details

RUN-M Series-----Slim, Non-isolated, 400-800W, 200-480Vac, 0-10V/PWM/Resistor dimming, IP67



Features

- ▶ Input voltage: 200-480Vac
- ▶ Efficiency up to 97%
- ▶ Slim profile
- ▶ Non-isolated, flicker free
- ▶ Programmable(AOC, CLO, SSA, ELA)
- ▶ 6kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor isolated dimming, dim to off
- ▶ AUX: 12Vdc
- ▶ Protections: SCP/OTP
- ▶ IP67
- ▶ 5 years warranty

Power Levels

400W 600W 800W

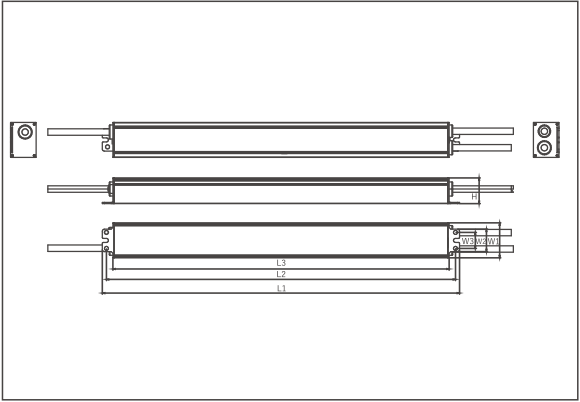
Applications

Horticulture light, Highbay, Fish light

Certificates



Dimension



Units : mm

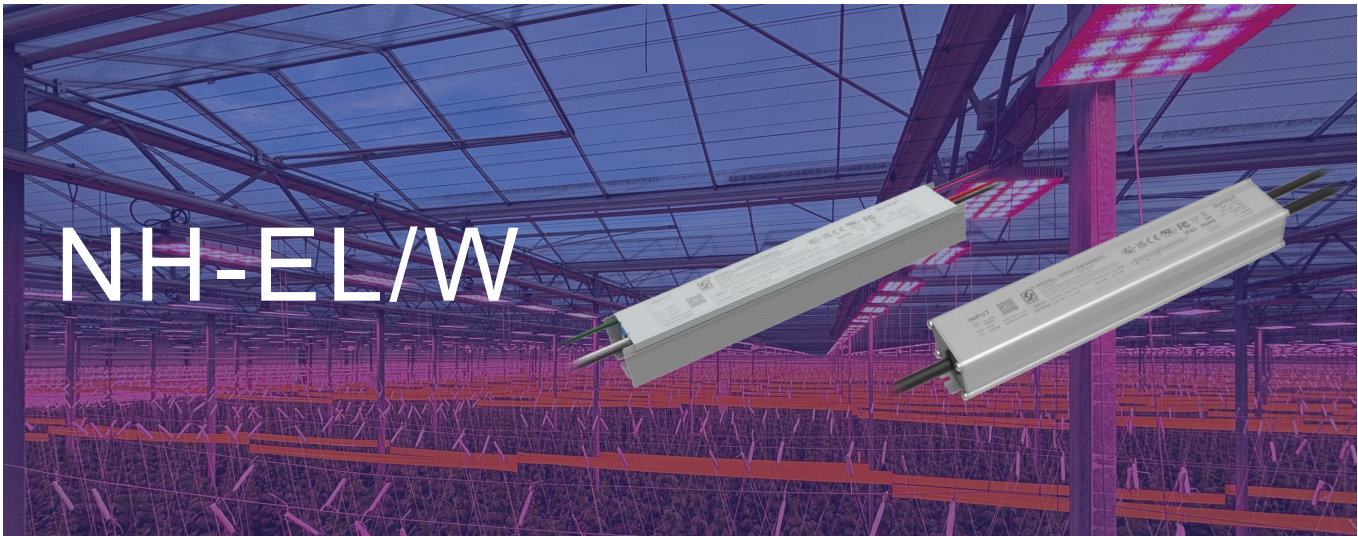
Model	L1	L2	L3	W1	W2	H
400RUN-M	390	380	364	43.5	20	38
600RUN-M	462	452	436	43.5	20	38
800RUN-M	508	498	482	43.5	20	38

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
400	SS-400RUN-M400BH	200-400	0.35-1.74	97.0%	0.97	390*43.5*38
600	SS-600RUN-M400BH	200-400	0.35-2.6	97.0%	0.97	462*43.5*38
800	SS-800RUN-M400BH	200-400	0.35-3.47	96.0%	0.97	508*43.5*38

Note: BH, 0-10V/PWM/Resistor dimming+AUX
Please refer to spec for more details

NH-EL/W Series-----Non-isolated, 120-240W, 120-277Vac,
0-10V/PWM/Resistor dimming



Features

- ▶ Input voltage: 120~277Vac
- ▶ Efficiency up to 96%
- ▶ No afterglow
- ▶ 0-10V/PWM/Resistor isolated dimming, dim to off
- ▶ Aux: 12V/0.2A
- ▶ Programmable(AOC, CLO, SSA, ELA)
- ▶ Standby power<0.5W
- ▶ Protections: SCP/OTP
- ▶ 6kV/6kV surge protection
- ▶ IP65(NH-EW)
- ▶ 5 years warranty

Power Levels

120W 160W 200W 240W

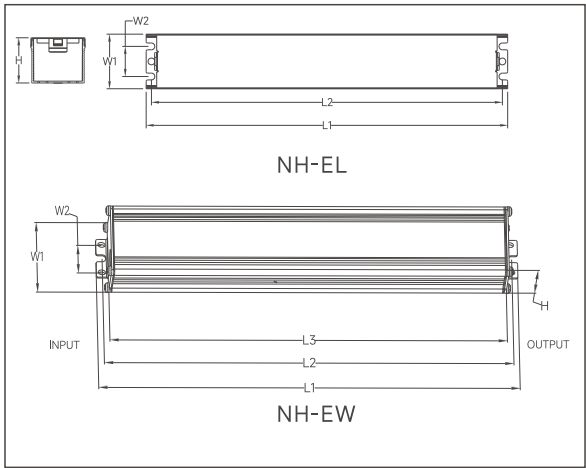
Applications

Horticulture light

Certificates



Dimension



Units : mm

Model	L1	L2	L3	W1	W2	H
120/160NH-EL	250	239	/	36	20	30.5
200/240NH-EL	262	251	/	36	20	30.5
120/160NH-EW	250	243	236.5	42	18.5	31
200/240NH-EW	260	253	246.4	42	18.5	31

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
120	120NH-EL300BHC	180-300	0.1-0.6	95.0%	0.97	250*36*30.5
120	120NH-EW300BHC	180-300	0.1-0.6	95.0%	0.97	250*42*31
160	160NH-EL300BHC	180-300	0.1-0.8	95.0%	0.97	250*36*30.5
160	160NH-EW300BHC	180-300	0.1-0.8	95.0%	0.97	250*42*31
200	200NH-EL300BHC	180-300	0.1-1.0	96.0%	0.97	262*36*30.5
200	200NH-EW300BHC	180-300	0.1-1.0	96.0%	0.97	260*42*31
240	240NH-EL300BHC	180-300	0.1-1.2	96.0%	0.97	262*36*30.5
240	240NH-EW300BHC	180-300	0.1-1.2	96.0%	0.97	260*42*31

Note: BHC, 0-10V/PWM/Resistor dimming+AUX+Dual-live-line input off default
Please refer to spec for more details

NS-EL/W Series-----Non-isolated, 160/240W, 277-480Vac,
0-10V/PWM/Resistor dimming



Features

- ▶ Input voltage: 277-480Vac
- ▶ Efficiency up to 95.5%
- ▶ No afterglow
- ▶ 0-10V/PWM/Resistor isolated dimming, dim to off
- ▶ Aux: 12V/0.2A
- ▶ Programmable(AOC, CLO, SSA, ELA)
- ▶ Protections: SCP/OTP
- ▶ 6kV/6kV surge protection
- ▶ IP65(NS-EW)
- ▶ 5 years warranty

Power Levels

160W 240W

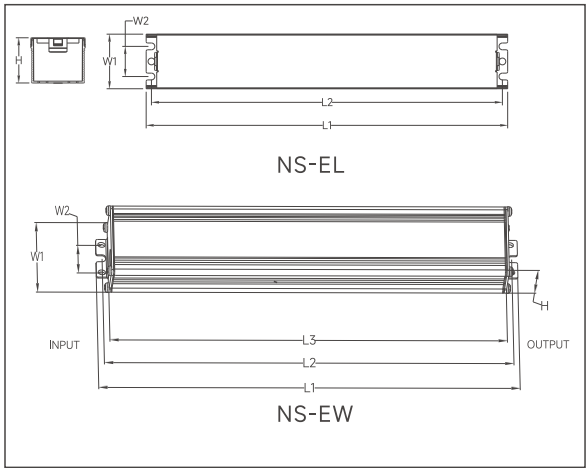
Applications

Horticulture light

Certificates



Dimension



Units : mm

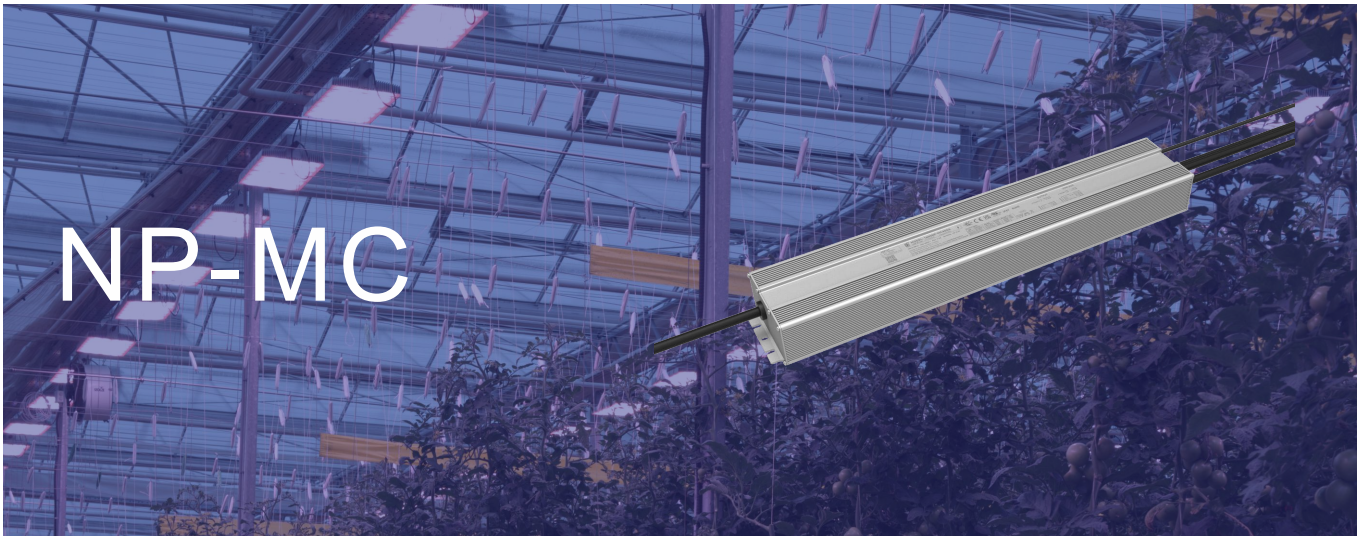
Model	L1	L2	L3	W1	W2	H
160NS-EL	262	251	/	36	20	30.5
160NS-EW	260	253	246.4	42	18.5	31
240NS-EL	280	269	/	36	20	30.5
240NS-EW	278	271	264.4	42	18.5	31

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
160	160NS-EL300BHC	180-300	0.1-0.8	95.0%	0.97	262*36*30.5
160	160NS-EW300BHC	180-300	0.1-0.8	95.0%	0.97	260*42*31
240	240NS-EL300BHC	180-300	0.1-1.2	95.5%	0.97	280*36*30.5
240	240NS-EW300BHC	180-300	0.1-1.2	95.5%	0.97	278*42*31

Note: BHC, 0-10V/PWM/Resistor dimming+AUX+Dual-live-line input off default
Please refer to spec for more details

NP-MC Series-----Non-isolated, 800-1600W, 200-480Vac, 0-10V/PWM/Resistor dimming, RS-485/UART, IP67



Features

- ▶ Input Voltage:200-480Vac
- ▶ No afterglow
- ▶ Independent four output channels
- ▶ Independent four dimming channels
- ▶ CH1 is non-isolated, CH2~CH4 are isolated
- ▶ Efficiency up to 97%
- ▶ Designable power transfer mode
- ▶ 0-10V/PWM/Resistor, 485 protocol and UART optional
- ▶ Auxiliary road with common positive design
- ▶ Aux: 12V,300mA
- ▶ IP66
- ▶ 5 years warranty

Power Levels

800W 1200W 1600W

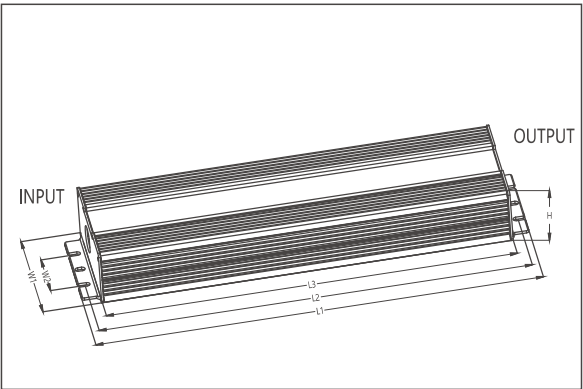
Applications

Horticulture light

Certificates



Dimension



Units : mm						
Model	L1	L2	L3	W1	W2	H
800/1200NP-MC	499	485	474	89.5	40	49
1600NP-MC	519	505	494	89.5	40	53

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
CH1: 800 (Max.) CH2: 300 (Max.) CH3: 150 (Max.) CH4: 150 (Max.) CH2~4 total: ≤450W	800NP-MC*	CH1: 120-400 CH2-4: 42-170	CH1: 0.35-3.0 CH2: 0.70-3.53 CH3: 0.35-1.76 CH4: 0.35-1.76	96.0%	0.97	499*89.5*49
CH1: 1200 (Max.) CH2: 300 (Max.) CH3: 150 (Max.) CH4: 150 (Max.) CH2~4 total: ≤450W	1200NP-MC*	CH1: 120-400 CH2-4: 42-170	CH1: 0.70-4.51 CH2: 0.70-3.53 CH3: 0.35-1.76 CH4: 0.35-1.76	96.0%	0.97	499*89.5*49
CH1: 1450 (Max.) CH2: 300 (Max.) CH3: 150 (Max.) CH4: 150 (Max.) CH2~4 total: ≤450W	1600NP-MC*	CH1: 120-400 CH2-4: 42-170	CH1: 1.05-5.45 CH2: 0.70-3.53 CH3: 0.35-1.76 CH4: 0.35-1.76	96.0%	0.97	519*89.5*53

Note: *=A, RS-485/UART/0-10V/PWM/Resistor+AUX
*=BH, 0-10V/PWM/Resistor+AUX
*=RH, RS-485+AUX
*=UH, UART+AUX
The suffix“-N”: NTC
The suffix“M”: Panel Mount Connectors
The suffix“G”: DC ground wire model
Please refer to spec for more details

NP Series-----Non-isolated, 500-1200W, 100-277Vac ,
0-10V/PWM/Resistor dimming, IP67



Features

- ▶ Input voltage: 100-277Vac
- ▶ Efficiency up to 97%
- ▶ Non-isolated, flicker free
- ▶ Programmable(AOC, CLO, SSA, ELA)
- ▶ 6kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor isolated dimming, dim to off
- ▶ AUX: 12Vdc
- ▶ Standby power<0.5W
- ▶ Protections: SCP/OTP
- ▶ IP67
- ▶ 5 years warranty

Power Levels

500W 680W 880W 1000W 1200W

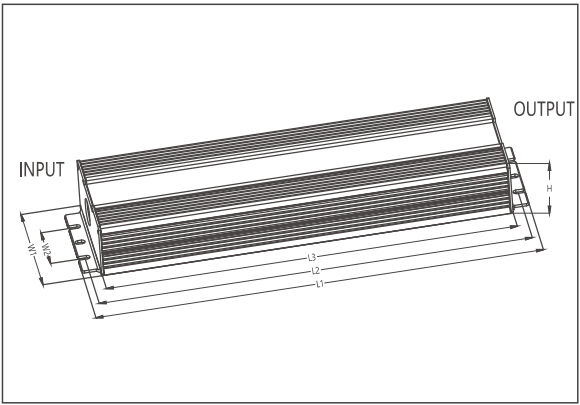
Applications

Sports light, Fish light, Horticulture light

Certificates



Dimension



Units : mm						
Model	L1	L2	L3	W1	W2	H
500NP	252	238.3	225	89.5	40	44.5
680NP	297	283	270	89.5	40	44.5
880NP	272	262	250	125	78	44.5
1000NP	350	334	320	89.5	40	49
1200NP	390	374	360	89.5	40	49

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
500	SS-500NP-360*	210-360	0.35-2.08	96.0%	0.98	252*89.5*44.5
680	SS-680NP-360BH	210-360	0.35-2.83	96.0%	0.97	297*89.5*44.5
880	SS-880NP-360BH	210-360	0.7-3.66	96.0%	0.98	272*125*44.5
1000	SS-1000NP-360BH	210-360	0.7-4.16	96.0%	0.97	350*89.5*49
1200	SS-1200NP-360BH	210-360	0.7-5.0	96.0%	0.97	390*89.5*49

Note: *=BH, 0-10V/PWM/Resistor dimming+AUX
BHC, Dual-live-line input off(BHC only for 500NP, 680/880/1000/1200NP Dual-live-line input off)
Please refer to spec for more details

NP-ML Series-----Non-isolated, 500-1600W, 200-480Vac, 0-10V/PWM/Resistor dimming, IP67



Features

- ▶ Input voltage: 200-480Vac
- ▶ Efficiency up to 97.5%
- ▶ Slim profile
- ▶ Non-isolated, flicker free
- ▶ Programmable(AOC, CLO, SSA, ELA)
- ▶ 6kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor isolated dimming, dim to off
- ▶ Standby power<0.5W@230Vac, dim to off
- ▶ AUX: 12Vdc
- ▶ RJ25+Knob+panel mount connectors optional
- ▶ Protections: SCP/OTP
- ▶ IP67
- ▶ 5 years warranty

Power Levels

500W 680W 880W 1000W 1200W 1600W

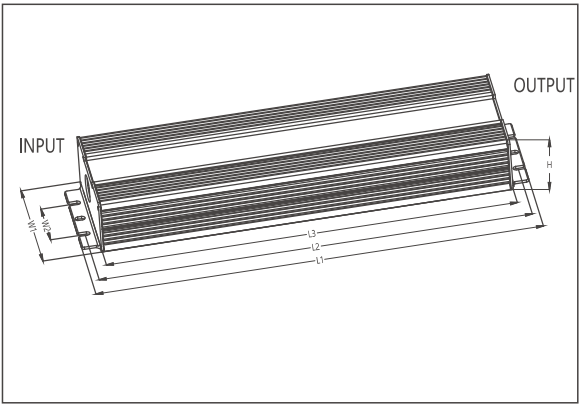
Applications

Horticulture light, Sports light, Fish light

Certificates



Dimension



Units : mm						
Model	L1	L2	L3	W1	W2	H
500NP-ML	252	238.5	225	89.5	40	44.5
680NP-ML	297	283	270	89.5	40	44.5
880NP-ML	325	314	294	89.5	40	44.5
1000/1200NP-ML	350	336.5	323	89.5	40	44.5
1600NP-ML	445	430	419	89.5	40	49

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
500	SS-500NP-ML500*	150-500	0.35-2.0	97.0%	0.95	252*89.5*44.5
680	SS-680NP-ML500*	150-500	0.35-2.7	97.0%	0.95	297*89.5*44.5
880	SS-880NP-ML500*	150-500	0.7-3.49	97.0%	0.95	325*89.5*44.5
1000	SS-1000NP-ML500*	150-500	0.7-4.0	97.0%	0.95	350*89.5*44.5
1200	SS-1200NP-ML500*	150-500	0.7-4.76	97.0%	0.95	350*89.5*44.5
1600	SS-1600NP-ML500*	150-500	0.7-6.34	97.5%	0.95	445*89.5*49

Note: *=BH, 0-10V/PWM/Time dimming + AUX
BHN, 0-10V/PWM/Time dimming + AUX +NTC
BHB, intergrated horticulture light LED Driver with knob, network dimming can be realized through RJ25 network interface
BHB-M*, integrated horticulture light LED Driver with knob, Network dimming can be realized through RJ25 network interface, Input M19/Output M19 Panel Mount Connectors
BH-M*, input M19/Output M19/Dimming & AUX M12 Panel Mount Connectors
"-G" is DC output with ground wire
Please refer to spec for more details

NP-M Series-----Non-isolated, 680-1200W, 200-480Vac, 0-10V/PWM/Resistor/DALI-2/DMX dimming, IP67



Features

- ▶ Input voltage: 200-480Vac
- ▶ Efficiency up to 97%
- ▶ Non-isolated, flicker free
- ▶ Programmable(AOC, CLO, SSA, ELA)
- ▶ 6kV/6kV surge protection
- ▶ 0-10V/PWM/Resistor isolated/DALI-2/DMX-RDM dimming, dim to off
- ▶ AUX: 12Vdc
- ▶ Standby power<0.5W@230Vac, dim to off
- ▶ Protections: SCP/OTP
- ▶ IP67
- ▶ 5 years warranty

Power Levels

680W 880W 1000W 1200W

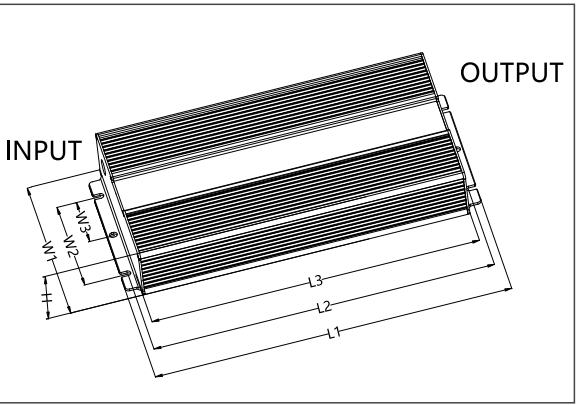
Applications

Sports light, Fish light, Horticulture light

Certificates



Dimension



Units : mm

Model	L1	L2	L3	W1	W2	H
680NP-M	230	219	208	125	78	44.5
880NP-M	252	241	230	125	78	44.5
1000NP-M	282	271	260	125	78	44.5
1200NP-M	302	291	280	125	78	44.5

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
680	SS-680NP-M500*	150-500	0.35-2.7	97.0%	0.95	230*125*44.5
880	SS-880NP-M500*	150-500	0.7-3.49	97.0%	0.95	252*125*44.5
1000	SS-1000NP-M430*	210-430	0.7-4.16	97.0%	0.95	282*125*44.5
1200	SS-1200NP-M500*	150-500	0.7-5.0	97.0%	0.95	302*125*44.5

Note: *=BH, 0-10V/PWM/Resistor dimming+AUX
DH, DALI+AUX(except 1000NP-M)
XH, DMX-RDM+AUX(except 1000NP-M)
BHC, 0-10V/PWM/Resistor dimming+AUX+Dual-live-line input off default
(BHC only for 1000NP-M, 680/880/1200NP-M Dual-live-line input off default)
BHN, 0-10V/PWM/Resistor dimming+AUX+NTC
DHN, DALI+AUX+NTC(except 1000NP-M)
XHN, DMX-RDM+AUX+NTC(except 1000NP-M)
BHCN, 0-10V/PWM/Resistor dimming+AUX+Dual-live-line input off default+NTC
(BHC only for 1000NP-M, 680/880/1200NP-M Dual-live-line input off default)
The suffix"-C" corresponds to UL Class P models
The suffix"- G" corresponds to the DC ground wire model
Please refer to spec for more details

NS-V Series-----Non-isolated, 600-1800W, 200-480Vac,
D4i(DALI-2)/DMX-RDM/0-10V/PWM/Resistor dimming, IP66



Features

- ▶ Input voltage: 200-480Vac
- ▶ Efficiency up to 97.0%
- ▶ 600/900NS-V(Single output), 1200NS-V(2 channels output), 1800NS-V(3 channels output)
- ▶ Dimming: D4i(DALI-2)&DMX/RDM&0-10V&PWM&Resistor
- ▶ Dim-to-Off without afterglow
- ▶ Max remote distance 300 meters(dimming and output)
- ▶ DMX/RDM control up to 44fps
- ▶ AUX Power: 24V/125mA
- ▶ Time-Controlled Dimming/EOL/CLO/NTC
- ▶ Built-in DALI-2 bus power supply
- ▶ Dim-to-off & Standby power≤0.5W @230Vac
- ▶ Protections: SCP/OTP/OVP/OPP
- ▶ NFC programmable
- ▶ Built-in AC power metering with up to ±1% accuracy
- ▶ Dimming range: minimum to 0.1%
- ▶ Surge protection: 10kV/10kV
- ▶ IP66/IK08
- ▶ Warranty: 5 years

Power Levels

600W 900W 1200W 1800W

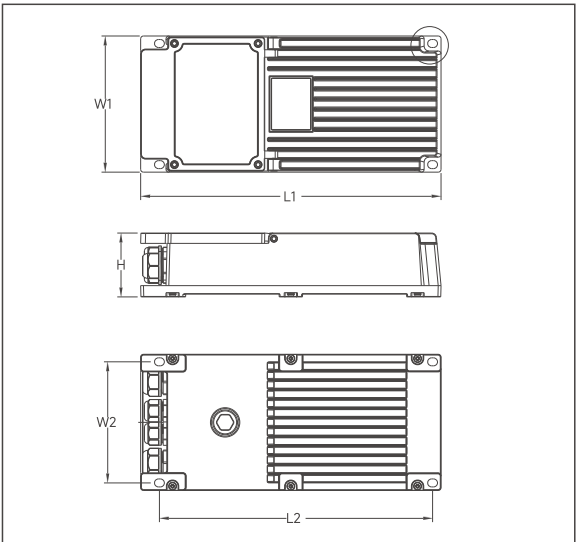
Applications

Stadium lights, High mast lights

Certificates



Dimension



Units : mm

Model	L1	L2	W1	W2	H
600/900NS-V	320	291	145	129	68
1200NS-V	410	390	150	134	72
1800NS-V	500	480	150	134	72

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
600	SS-600NS-V500MN	150-500	0.35-2.38	97.0%	0.97	320*145*68
900	SS-900NS-V500MN	150-500	0.35-3.57	97.0%	0.97	320*145*68
1200	SS-1200NS-V500MN	150-500	(0.35-2.38)*2	97.0%	0.97	410*150*72
1800	SS-1800NS-V500MN	150-500	(0.35-2.1)*3	97.0%	0.97	500*150*72

Note: MN, D4i(DALI-2)&DMX/RDM&0-10V&PWM&Resistor dimming+NTC
Please refer to spec for more details

CNH Series--Circle, Non-isolated, 100-320W, 100-277Vac
0-10V/PWM/Resistor/Timer dimming, Dip switch power/CCT/angle, IP65



Features

- ▶ Input voltage: 100-277Vac
- ▶ Efficiency up to 97%
- ▶ Multi-function can be programmed to reduce SKUs
- ▶ Lifespan: 50k hours@Tc=85℃
- ▶ Function: DIP switch power/CCT, Timing dimming, IEC, ELA, SSA, CLO
- ▶ Protections: IUVP/OTP/OVP/OCP
- ▶ 6kV/6kV surge protection
- ▶ IP65
- ▶ Standby power<0.5W
- ▶ 5 years warranty

Power Levels

100W 150W 200W 240W 320W

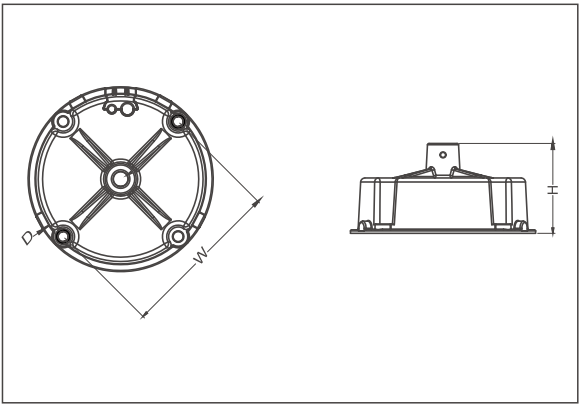
Applications

Highbay, Sports light

Certificates



Dimension



Model	Units : mm		
	D	W	H
100/150/200CNH	116	113	62.5
240CNH	128	113	62.5
320CNH	146	113	66.5
100/150/200/240CNH(ON-OFF)	110	113	59.5

Specification

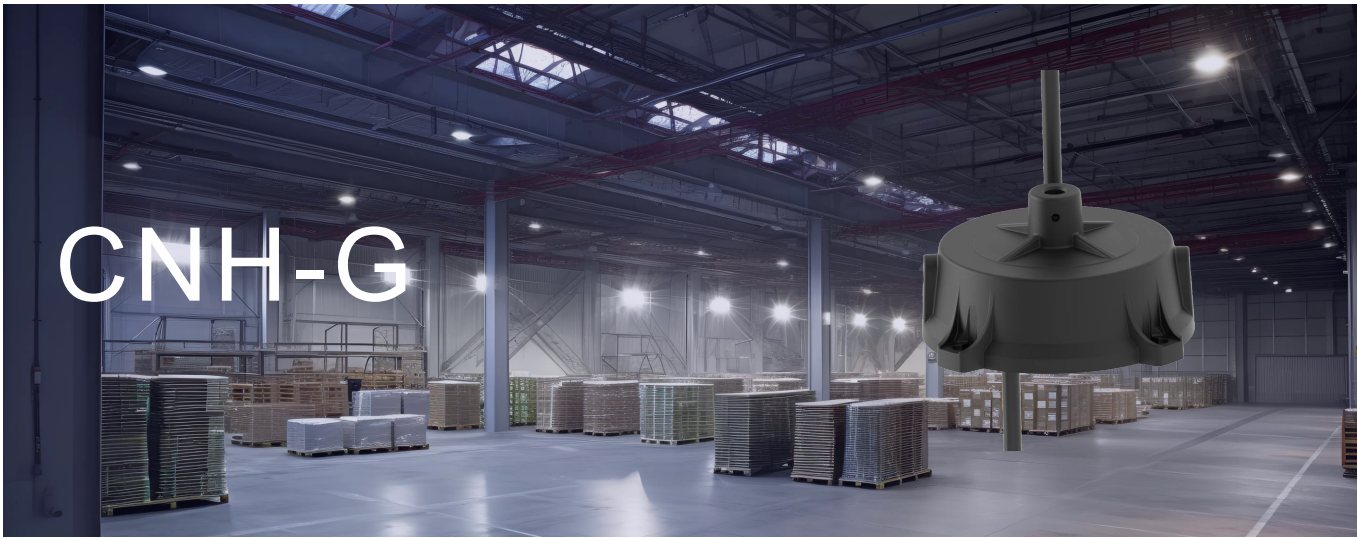
Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (φ*H)mm
100	SS-100CNH-300*	180-300	0.125-0.5	97.0%	0.97	116*62.5
150	SS-150CNH-300*	180-300	0.187-0.75	97.0%	0.97	116*62.5
200	SS-200CNH-300*	180-300	0.25-1.0	97.0%	0.97	116*62.5
240	SS-240CNH-300*	180-300	0.3-1.2	97.0%	0.97	128*62.5
320	SS-320CNH-300*	180-300	0.4-1.5	97.0%	0.97	146*66.5

Note: *=BB, 1-10V/PWM/Resistor dimming+DIP switch power
BD, 1-10V/PWM/Resistor dimming+DIP switch power/CCT
BHB, 0-10V/PWM/Resistor dimming+AUX+DIP switch power
BHD, 0-10V/PWM/Resistor dimming+AUX+DIP switch power/CCT
BHT, 0-10V/PWM/Resistor dimming+AUX+DIP switch power/CCT/angle
Please refer to spec for more details

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (φ*H)mm
100	SS-100CNH-300	260-300	0.27-0.38	96.0%	0.96	110*59.5
150	SS-150CNH-300	260-300	0.4-0.58	95.5%	0.96	110*59.5
200	SS-200CNH-300	260-300	0.54-0.77	96.5%	0.97	110*59.5
240	SS-240CNH-300	260-300	0.58-0.923	96.5%	0.97	110*59.5

Note: Please refer to spec for more details

CNH-G Series--Circle, Non-isolated, 100-240W, 200-240Vac, IP65



Features

- ▶ Input voltage: 200-240Vac
- ▶ Efficiency up to 97%
- ▶ Lifespan: 50K@Tc=85℃
- ▶ Protections: IUVP/OTP/OVP/OCP
- ▶ 6kV/6kV surge protection
- ▶ IP65
- ▶ 5 years warranty

Power levels

100W 150W 200W 240W

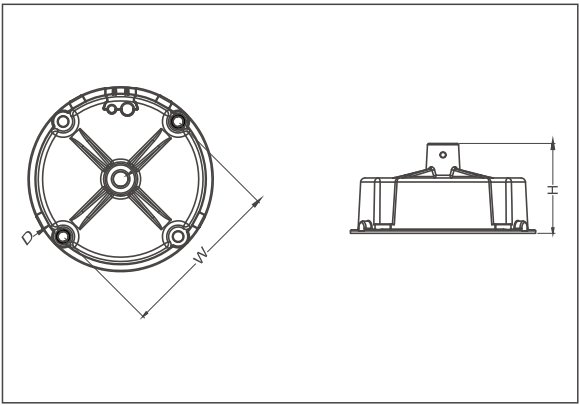
Applications

Highbay, Sports light

Certificates



Dimension



Units : mm

Model	D	W	H
100/150/200/240CNH-G	110	113	59.5

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current (A)	Efficiency	PF	Dimension(φ*H)mm
100	SS-100CNH-G300	180-300	0.3-0.5	97.0%	0.97	110*59.5
150	SS-150CNH-G300	180-300	0.45-0.75	97.0%	0.97	110*59.5
200	SS-200CNH-G300	180-300	0.6-1.0	97.0%	0.97	110*59.5
240	SS-240CNH-G300	180-300	0.72-1.2	97.0%	0.97	110*59.5

Please refer to spec for more details

SNH Series--Circle, Non-isolated, 100-480W, 120-347Vac
0-10V/PWM/Resistor/Timer dimming, Dip switch power/CCT/angle, IP65



Features

- ▶ Input voltage: 120-347Vac
- ▶ Efficiency up to 97%
- ▶ Multi-function can be programmed to reduce SKUs
- ▶ Lifespan: 50k hours@Tc=85℃
- ▶ Function: DIP switch power/CCT, Timer dimming, IEC, ELA, SSA, CLO
- ▶ Protections: IUVP/OTP/OVP/OCP
- ▶ 6kV/6kV surge protection
- ▶ IP65
- ▶ Standby power<0.5W
- ▶ 5 years warranty

Power Levels

100W 150W 200W 240W 320W 480W

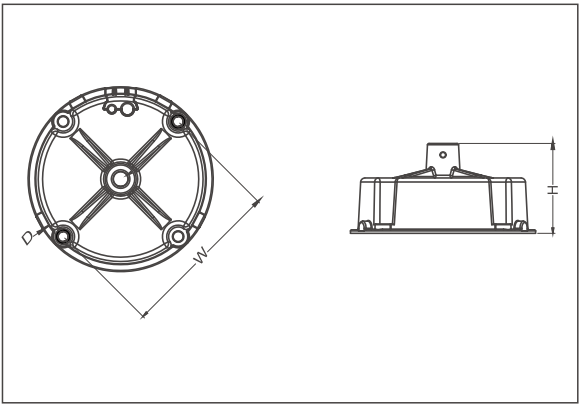
Applications

Highbay, Sports light

Certificates



Dimension



Units : mm

Model	D	W	H
100/150/200SNH	116	113	62.5
240SNH	128	113	62.5
320SNH	146	113	66.5
480SNH	180	162	68.5

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (φ*H)mm
100	SS-100SNH-300*	180-300	0.125-0.5	97.0%	0.97	116*62.5
150	SS-150SNH-300*	180-300	0.187-0.75	97.0%	0.97	116*62.5
200	SS-200SNH-300*	180-300	0.25-1.0	97.0%	0.97	116*62.5
240	SS-240SNH-300*	180-300	0.3-1.2	97.0%	0.97	128*62.5
320	SS-320SNH-300*	180-300	0.4-1.5	97.0%	0.97	146*66.5
480	SS-480SNH-300*	180-300	0.6-2.4	97.0%	0.97	180*68.5

Note: *=BHB, 0-10V/PWM/Resistor dimming+AUX+DIP switch power
BHD, 0-10V/PWM/Resistor dimming+AUX+DIP switch power/CCT
BHT, 0-10V/PWM/Resistor dimming+AUX+DIP switch power/CCT/angle
Please refer to spec for more details

CNS Series -----Circle, Non-isolated, 100-320W, 277-480Vac ,
DIP switch power/CCT/Angle, 0-10V/PWM/Resistor dimming, IP65



Features

- ▶ Input voltage: 277-480Vac
- ▶ Efficiency up to 95%
- ▶ Non-isolated, flicker free
- ▶ 0-10V/PWM/Resistor dimming, without afterglow
- ▶ Programmable
- ▶ Function: DIP switch power/CCT/angle
- ▶ Protections: SCP/OTP/OVP/UVF
- ▶ 6kV/6kV surge protection
- ▶ AUX: 12Vdc
- ▶ IP65
- ▶ 5 years warranty

Power Levels

100W 120W 150W 200W 240W 320W

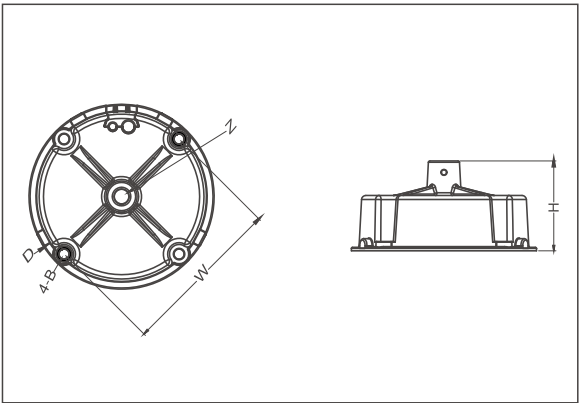
Application

Highbay

Certificates



Dimension



Model	Units : mm				
	D	4-B	Z	W	H
120/150/200/240CNS	136	7	M10/G1/2	113	62.5
320CNS	146	7	M12/G1/2	132	61.8
100/150/200/240CNS(BHT)	128	6.5	M10/G1/2	113	62.5
320CNS(BHT)	146	6.5	M10/G1/2	113	66.5

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (φ*H)mm
100	SS-100CNS-300BHT	180-300	0.125-0.5	94.5%	0.97	128*62.5
120	SS-120CNS-260*	180-260	0.3-0.6	94.0%	0.95	136*62.5
150	SS-150CNS-260*	180-260	0.375-0.75	95.0%	0.97	136*62.5
150	SS-150CNS-300BHT	180-300	0.19-0.75	95.0%	0.95	128*62.5
200	SS-200CNS-260*	180-260	0.5-1.0	95.0%	0.95	136*62.5
200	SS-200CNS-300BHT	180-300	0.25-1.0	95.0%	0.97	128*62.5
240	SS-240CNS-260*	180-260	0.6-1.2	95.0%	0.95	136*62.5
240	SS-240CNS-300BHT	180-300	0.3-1.2	95.0%	0.97	128*62.5
320	SS-320CNS-260*	180-260	0.8-1.5	95.5%	0.95	146*61.8
320	SS-320CNS-300BHT	180-300	0.4-1.5	96.0%	0.97	146*66.5

Note: BHT, 0-10V/PWM/Resistor dimming+AUX+DIP switch power/CCT/angle
*=BHB, 0-10V/PWM/Resistor dimming+AUX+DIP switch power
BHD, 0-10V/PWM/Resistor dimming+AUX+DIP switch power/CCT
Please refer to spec for more details

NH-V Series-----Non-isolated, 30-420W, 100-277Vac ,
0-10V/PWM/Resistor dimming, Smart programming, Connector



Features

- ▶ Input voltage: 100-277Vac
- ▶ Efficiency up to 97%
- ▶ 0-10V/PWM/Resistor dimming
- ▶ Multi-function can be programmed to reduce SKUs
- ▶ Lifespan: 50k hours@Tc=85°C
- ▶ Function: Dip-switch/CCT, Timing dimming, IEC, ELA, SSA, CLO
- ▶ Protections: IUVP/OTP/OVP/OCP
- ▶ 6kV/6kV surge protection
- ▶ 12V Aux
- ▶ Standby power<0.5W
- ▶ 5 years warranty

Power Levels

30W 40W 60W 70W 80W 100W 150W 200W 240W 320W 420W

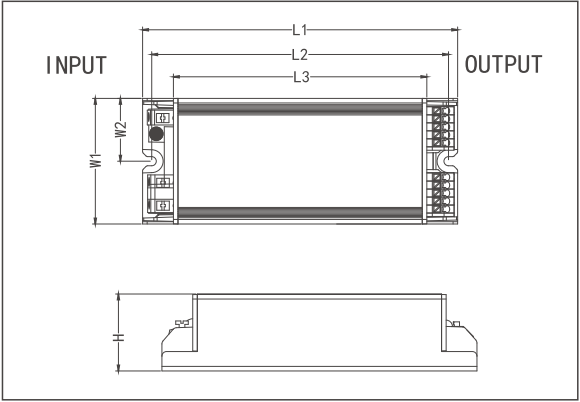
Applications

Linear highbay, Flood light, Shoebox light, Wallpack

Certificates



Dimension



Units : mm

Model	L1	L2	L3	W1	W2	H
30/40/60/70NH-V	105	97	78	55	27.5	32
80/100NH-V	138	130	111	55	27.5	32
150NH-V	160	152	133	55	27.5	32
200NH-V	172	164	145	55	27.5	34
240NH-V	192	184	165	55	27.5	34
320NH-V	225	217	198	55	27.5	34
420NH-V	275	267	248	55	27.5	34

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
30	SS-30NH-V300BB	180-300	0.0375-0.15	92.0%	0.97	105*55*32
40	SS-40NH-V300BB	180-300	0.05-0.2	93.0%	0.97	105*55*32
60	SS-60NH-V300BB	180-300	0.075-0.3	94.5%	0.97	105*55*32
70	SS-70NH-V300BB	180-300	0.087-0.35	94.5%	0.97	105*55*32
80	SS-80NH-V300*	180-300	0.1-0.4	97.0%	0.97	138*55*32
100	SS-100NH-V300*	180-300	0.125-0.5	97.0%	0.97	138*55*32
150	SS-150NH-V300*	180-300	0.187-0.75	97.0%	0.97	160*55*32
200	SS-200NH-V300*	180-300	0.25-1.0	97.0%	0.97	172*55*34
240	SS-240NH-V300*	180-300	0.3-1.2	97.0%	0.97	192*55*34
320	SS-320NH-V300*	180-300	0.375-1.5	97.0%	0.97	225*55*34
420	SS-420NH-V300A	180-300	0.525-2.1	97.0%	0.97	275*55*34

Note:*=BHB, 0-10V/PWM/Resistor dimming+AUX+DIP switch power
BB, 1-10V/PWM/Resistor dimming+DIP switch power
A, 0-10V/PWM/Resistor dimming+AUX+DIP switch power+Sensor+NTC
Please refer to spec for more details

NH-V D4i Series-----Non-isolated, 30-42oW, 100-277Vac, D4i dimming, NFC programming, Connector



Features

- ▶ Input voltage: 100-277Vac
- ▶ Efficiency up to 96.5%
- ▶ D4i dimming
- ▶ Multi-function can be programmed to reduce SKUs
- ▶ Lifespan: 50k hours@Tc=85°C
- ▶ Function: Dip-switch/CCT, Timing dimming, IEC, ELA, SSA, CLO
- ▶ Protections: IUVP/OTP/OVP/OCP
- ▶ 6kV/6kV surge protection
- ▶ 24V Aux(compatible with Part150)
- ▶ Standby power<0.5W
- ▶ 5 years warranty

Power Levels

80W 100W 150W 200W 240W 320W

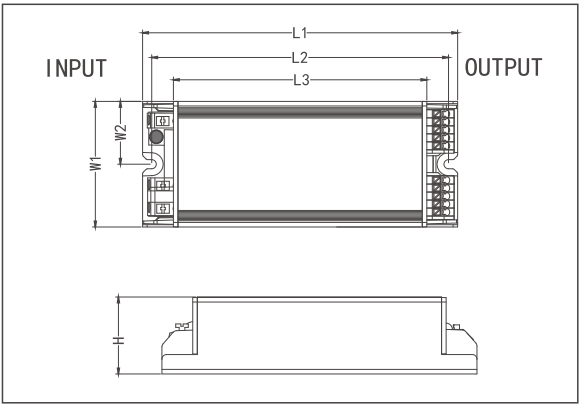
Applications

Linear highbay, Flood light, Shoebox light, Wallpack

Certificates



Dimension



Units : mm

Model	L1	L2	L3	W1	W2	H
80/100NH-V	138	130	111	55	27.5	32
150NH-V	160	152	133	55	27.5	32
200NH-V	172	164	145	55	27.5	34
240NH-V	192	184	165	55	27.5	34
320NH-V	225	217	198	55	27.5	34

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
80	SS-80NH-V300F	180-300	0.1-0.4	95.0%	0.97	138*55*32
100	SS-100NH-V300F	180-300	0.125-0.5	95.0%	0.97	138*55*32
150	SS-150NH-V300F	180-300	0.187-0.75	96.0%	0.97	160*55*32
200	SS-200NH-V300F	180-300	0.25-1.0	96.0%	0.97	172*55*34
240	SS-240NH-V300F	180-300	0.3-1.2	96.0%	0.97	192*55*34
320	SS-320NH-V300F	180-300	0.375-1.5	96.5%	0.97	225*55*34

Note: F, D4i+DALI Bus power+AUX(24V)+DIP switch power+NTC
Please refer to spec for more details

NM-V Series-----Non-isolated, 80-420W, 120-347Vac, 0-10V/PWM/Resistor dimming, Smart programming, Connector



Features

- ▶ Input voltage: 120-347Vac
- ▶ Efficiency up to 97%
- ▶ Multi-function can be programmed to reduce SKUs
- ▶ Lifespan: 50k hours@Tc=85°C
- ▶ Function: Dip-switch/CCT, Timing dimming, IEC, ELA, SSA, CLO
- ▶ Protections: IUVP/OTP/OVP/OCP
- ▶ 6kV/6kV surge protection
- ▶ Standby power<0.5W
- ▶ 5 years warranty

Power Levels

80W 100W 150W 200W 240W 320W 420W

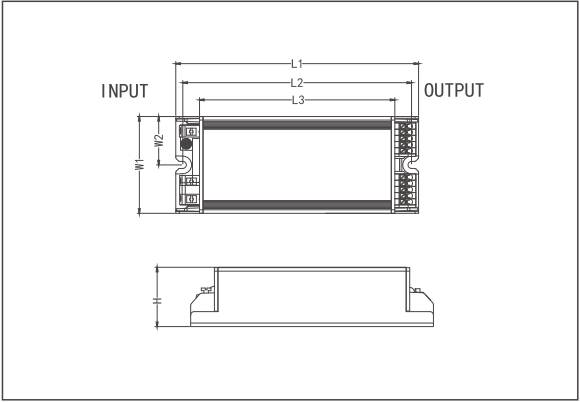
Appications

Linear highbay, Flood light, Shoebox light, Wallpack

Certificates



Dimension



Units : mm

Model	L1	L2	L3	W1	W2	H
80/100NM-V	138	130	111	55	27.5	32
150NM-V	160	152	133	55	27.5	32
200NM-V	172	164	145	55	27.5	34
240NM-V	192	184	165	55	27.5	34
320NM-V	225	217	198	55	27.5	34
420NM-V	275	267	248	55	27.5	34

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
80	SS-80NM-V300A	180-300	0.1-0.4	97.0%	0.97	138*55*32
100	SS-100NM-V300A	180-300	0.125-0.5	97.0%	0.97	138*55*32
150	SS-150NM-V300A	180-300	0.187-0.75	97.0%	0.97	160*55*32
200	SS-200NM-V300A	180-300	0.25-1.0	97.0%	0.97	172*55*34
240	SS-240NM-V300A	180-300	0.3-1.2	97.0%	0.97	192*55*34
320	SS-320NM-V300A	180-300	0.375-1.5	97.0%	0.97	225*55*34
420	SS-420NM-V300A	180-300	0.525-2.1	97.0%	0.97	275*55*34

Note: A, 0-10V/PWM/Resistor dimming+ AUX+DIP switch power+Sensor+NTC
Please refer to spec for more details

NS Series-----Non-isolated, 120-320W, 200-480Vac, 0-10V/PWM/Resistor dimming, DIP Switch Power/Sensor



Features

- ▶ Input voltage: 200-480Vac
- ▶ Efficiency up to 94.5%
- ▶ High PF, flicker free
- ▶ Programmable
- ▶ 0-10V/PWM/Resistor dimming, without afterglow, DIP switch power/Sensor
- ▶ Protections: SCP/OTP/OVP
- ▶ AUX: 12Vdc
- ▶ 6kV/6kV surge protection
- ▶ 5 years warranty

Power Levels

120W 160W 200W 240W 320W

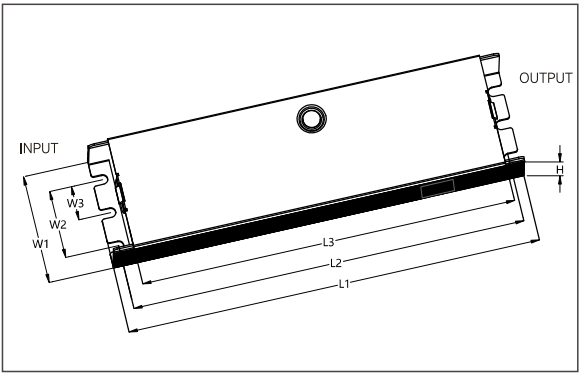
Application

Highbay

Certificates



Dimension



Units : mm

Model	L1	L2	L3	W1	W2	W3	H
120/160NS	192	182.5	174	52.5	32	16	34
200/240NS	220	210.5	202	52.5	32	16	34
320NS	230	220.5	212	52.5	32	/	34

Specification

Output Power(W)	Model	Output Voltage(V)	Output Current(A)	Efficiency	PF	Dimension (L*W*H)mm
120	SS-120NS-260*	180-260	0.42-0.6	93.0%	0.95	192*52.5*34
160	SS-160NS-260*	180-260	0.56-0.8	94.0%	0.95	192*52.5*34
200	SS-200NS-260*	180-260	0.7-1.0	94.0%	0.95	220*52.5*34
240	SS-240NS-260*	180-260	0.84-1.2	94.0%	0.95	220*52.5*34
320	SS-320NS-260*	180-260	1.05-1.5	94.5%	0.95	230*52.5*34

Note: *=BH, 0-10V/PWM/Resistor dimming+12V AUX
BHB, 0-10V/PWM/Resistor dimming+12V AUX+DIP switch power
BHP, 0-10V/PWM/Resistor dimming+12V AUX+Sensor
BHBP, 0-10V/PWM/Resistor dimming+12V AUX+DIP switch power+Sensor
Please refer to spec for more details

SPD-----10kV/12kV/20kV Surge Protection, IP67



Features

- ▶ Excellent surge resistance with low residual voltage
- ▶ Protection Mode: L-N, L-PE, N-PE
- ▶ LED Indicator
- ▶ Operating ambient temperature: 85°C
- ▶ Test category: EN 61643-11 – T2 & T3, IEC 61643-11 - Test Class II & Class III, UL1449
- ▶ IP67

Certificates



Surge

10kV 12kV 20kV

Specification

Model	Rated Input Voltage(Vac)	Maximum Discharge Current (Imax)	Nominal Discharge Current (In)	Open Circuit Voltage(Uoc)	Connection	Certification	Dimension (L*W*H)mm
SS-SPD-UP10P	100-277	10kA	5kA	10kV	Parallel	TUV/CE	44*39*17
SS-SPD-US10P4	100-277	10kA	5kA	10kV	Series(4 wires)	TUV/CE	44*39*17
SS-SPD-US10P5	100-277	10kA	5kA	10kV	Series(5 wires)	TUV/CE	44*39*17
SS-SPD-UP12P	100-277	12kA	6kA	12kV	Parallel	TUV/CE	44*39*17
SS-SPD-US12P4	100-277	12kA	6kA	12kV	Series(4 wires)	TUV/CE	44*39*17
SS-SPD-US12P5	100-277	12kA	6kA	12kV	Series(5 wires)	TUV/CE	44*39*17
SS-SPD-UP20P	100-277	20kA	10kA	20kV	Paralle	TUV/CE	48*49*28
SS-SPD-US20P4	100-277	20kA	10kA	20kV	Series(4 wires)	TUV/CE	48*49*28
SS-SPD-US20P5	100-277	20kA	10kA	20kV	Series(5 wires)	TUV/CE	48*49*28
SS-SPD-UP10P	120-277	10kA	5kA	10kV	Parallel	UL	44*39*17
SS-SPD-MP10P	120-347	10kA	5kA	10kV	Parallel	UL	44*39*17
SS-SPD-SP10P	120-480	10kA	5kA	10kV	Parallel	UL	44*39*17