



*High Quality
Evolution
Commitment*

HEC LED Driver



COMPANY PROFILE

Founded in 1979, HEC Group is today a leading global manufacturer and designer of LED drivers, Power Supplies, PC case, serving customers around the world.

In addition to our headquarters in Taiwan, HEC Group has a manufacturing facility in China and an established network of branch offices in USA, Germany, UK, Japan, Korea and China. This combination enables us to provide our customers with competitive manufacturing costs and the most efficient and immediate service worldwide.

Our world class engineering and design expertise, help us with delivering total solution to the first-tier system integrators. Today, our R&D groups continue to evolve and refine our technologies, constantly improve performance levels, and simultaneously reduce manufacturing costs.

Innovative products, combined with dedication to customers and the consistent delivery of high-quality products, are the foundation for HEC's growth and leadership in today's highly competitive LED lighting market.

HEC delivers LED Drivers, LED Luminaires, switching power supplies, open frame power supplies. We have also developed our own line of switching power supplies for the retail market.

Today the "HEC" brand is recognized as a world-class brand among OEM customers, system integrators, industrial users and retail customers.



HEC LED Driver

COMPREHENSIVE SOLUTION FOR LED APPLICATIONS

- From 3W to 150W of constant current mode or constant voltage mode
- Wide range of AC input, 90Vac - 305Vac
- With up to IP67 of dustproof and water-proof level
- Various dimming function including PWM signal, 1-10Vdc, resistance, DALI, Triac and IR
- OVP, SCP, OTP, OCP, OPP protection design, and compliant with variety of safety regulations (TUV, UL, ENEC, KEMA, CQC, and PSE)

ABILITY OF CUSTOMIZATION DESIGN FOR SPECIFIC REQUIREMENT

- Meet independent type requirement
- Compact 44mm(L) x 41mm(W), and round shape LED drivers to fit limited LED Luminaires space
- Fan monitor circuit design to protect LED Luminaire from thermal damage
- Multi-output design from 1 to 4 channels

HIGH RELIABILITY AND SUPERIOR PERFORMANCE










- Measured MTBF > 43,000hrs at 50°C ambient, and operating under a temperature of at -30°C to +60°C
- High efficiency (up to 93%), high PF value (>0.95)
- Low Ripple/Noise (< 1%), and low THD (<15%)

INDEX

Constant Current

Dimmable	Adjustable Output	IP20 LTB-P 40/60W		5
	DALI	IP20 LTD-Q 45/50/60W		6
	3 in 1 Dimming	IP20 LTA-P 9/12/14/15/20W		7
		IP20 LTA-P 40/45/50/55/60W		8
		IP67 LTA-P 40/45/50/55/60W		9
		IP20 LTA-Q 40/45/50/60W		10
		IP20 LTA-T 30/35W		11
		IP67 LTA-Q 75/100/150/200W		12
	Triac Dimming	IP20 LTT-P 9/12/15/20W		13
	Non-dimmable	IP20 LTN-P 8/12W		14
		IP20 LTN-P 9/12/14/15/20W		15
		IP20 LTN-P 20/25/30/40/45/50/55/60W		16
		IP67 LTN-P 30/40/45/50/60W		17
		IP20 LTN-Q 40/45/50/55/60W		18
		IP67 LTN-Q 75/100/150/200W		19
Multiple Outputs	Non-dimmable	IP20 LCN-P/T 10/20/25/35/70W		20
	3 in 1 Dimming	IP20 LTA-T 30/35/45/55/70W		21
	Build-in Auxiliary Fan Output	IP20 LTN-PF 45/50W		22
	3 in 1 Dimming	IP20 LVA-Q 45/60W		23
	Power Station	IP20 LVN-T 400W		24
	Non-dimmable	IP67 LVN-Q 100/150/200W		25
		IP20 LVN-T 100W		26
		IP20 LVN-P 30/40/45/60W		27
		IP67 LVN-P 20W		28
	Non-PFC	IP20 LVN-N 30/50W		29
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Symbolization

	EN61347-1	Class I Product(Protective Earth)
	EN61347-1	Class II Product(L,N only)
	EN61347-1	Independent type controlgear
	EN61347-2-13	Safety Isolating and Short-circuit proof controlgear
	EN61347-1	1. Enclosure $\leq 90^{\circ}\text{C}$ during normal operation 2. Enclosure $\leq 130^{\circ}\text{C}$ during abnormal operation
	EN61347-1	The highest permissible temperature which may occur on the outer face during abnormal conditions Enclosure $\leq 110^{\circ}\text{C}$ during abnormal operation
	DIN 57710-14	Can be installed inside a wooden material like wooden cabinet. Enclosure $\leq 95^{\circ}\text{C}$ during normal operation Enclosure $\leq 115^{\circ}\text{C}$ during abnormal operation(Germany Only)
SELV	EN61347-2-13	Independent type controlgear
SELV EQUIVALENT	EN61347-2-13	Built-in type controlgear
Class 2 Power Supply	UL 8750 & UL 1310	Power Supplies With Extra-Low-Voltage Class 2 Outputs
	IP 67	Dust tight and protected against the effects of temporary immersion in water
	IP 20	Protected against solid foreign objects of $\phi 12.5\text{mm}$ and greater also protected against access to hazardous parts with a finger

DALI



DALI

DALI is an acronym and standard for "Digital Addressable Lighting Interface". It's an international standard that guarantees the exchangeability of dimmable electronic control gears (ECG) from different manufacturer. This gives planners, luminaire manufacturers, building owners, installers and end-users the security of supply from many sources.

Feature :

Simple and flexible installation

Parallel wiring of the control groups is not required. New components can be added everywhere within the system whenever an existing illumination system need s to be enlarged.

Non-polarized

There is no polarity (+,-) of DALI control line.

Logarithmic dimming curve

Matching the eye's sensitivity.

Stable dimming function

All the luminaires receive the same interference-free digital signal and therefore the same dimmer value.

Status feedback

e.g. ON/OFF, actual brightness of the connected lamps, lamp state etc.

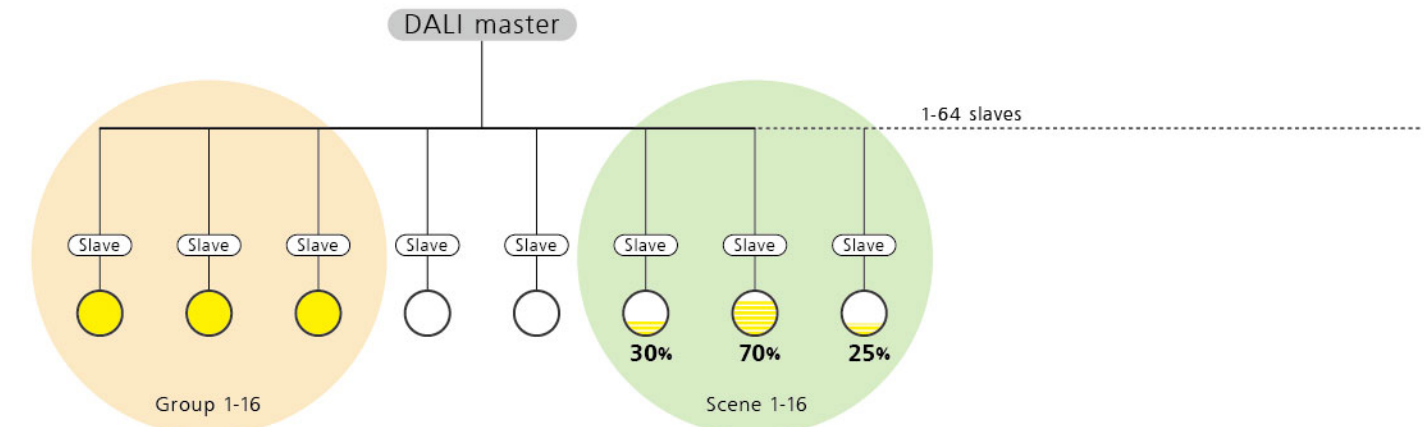
Cable lengths up to 300m

The maximum lead length between two connected systems must not exceed 300m, and a voltage drop of 2V must not be exceeded.

Maximum system current

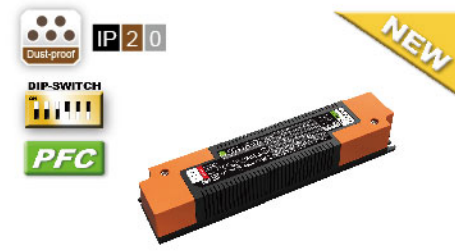
The central interface power supply has been set to allow a maximum current input of 250 mA.

- A maximum of 64 slaves (Individual addresses)
- A maximum of 16 groups (Group addresses)
- A maximum of 16 scenes (Scenes light values)





HEC-60LTB-P



HEC-40LTB-P

Features

- Independent Type LED Driver
- AC Input : 220-277Vdc or 100-120Vac
- Switchable output current from 350mA to 2100mA
- Screwless cable connector design for fast assembly
- 1-10Vdc dimming function
- Isolation Class II (without grounding)
- Protection : OPP/OVP/OTP/SCP
- Optimum size for most of luminaire indoor application

Specifications

Model	Output Specification	
	Max. Voltage	Constant Current
40LTB-PSAH (L)	54Vdc	350mA
	54Vdc	500mA
	54Vdc	550mA
	54Vdc	700mA
	42Vdc	900mA
	36Vdc	1050mA
	32Vdc	1200mA
60LTB-PSAH (L)	54Vdc	700mA
	54Vdc	900mA
	54Vdc	1050mA
	48Vdc	1200mA
	42Vdc	1400mA
	36Vdc	1600mA
	28Vdc	2100mA

DIP Switch Table

● 40LTB-PSAH (L)

DIP S.W. Output Current	1	2	3	4	5	6	7	8	9	10
350mA	ON	ON	-	ON	ON	ON	ON	ON	ON	ON
500mA	ON	ON	-	ON	ON	ON	ON	ON	ON	-
550mA	ON	ON	-	ON	ON	ON	ON	ON	-	-
700mA	ON	-	-	ON	ON	ON	ON	-	-	-
900mA	ON	-	-	ON	ON	ON	ON	-	-	-
1050mA	ON	-	-	ON	ON	-	-	-	-	-
1200mA	-	-	-	ON	-	-	-	-	-	-
1400mA	-	-	-	-	-	-	-	-	-	-

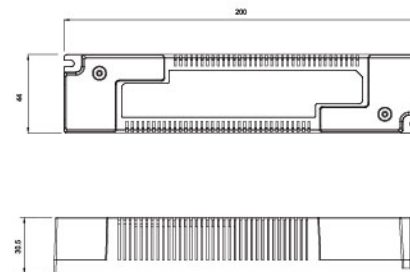
● 60LTB-PSAH (L)

DIP S.W. Output Current	1	2	3	4	5	6	7	8	9	10
700mA	ON	-	-	ON	ON	ON	ON	ON	ON	ON
900mA	ON	-	-	ON	ON	ON	ON	ON	ON	-
1050mA	ON	-	-	ON	ON	ON	ON	ON	-	-
1200mA	ON	-	-	ON	ON	ON	ON	-	-	-
1400mA	ON	-	-	ON	ON	ON	-	-	-	-
1600mA	ON	-	-	ON	ON	-	-	-	-	-
1750mA	-	-	-	ON	-	-	-	-	-	-
2100mA	-	-	-	-	-	-	-	-	-	-

AC input operation voltage range	H: Input 220-277Vac L: Input 100-120Vac				
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13	
	North America	UL8750	UL1310	UL1012	UL60950-1
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)	
	Immunity	IEC 61000-4-2-6/-8/-11		EN 61547	

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-40/60LTB-P Series	IP20	200x44x30.5mm



HEC-45LTD-Q HEC-60LTD-Q
HEC-50LTD-Q

Features

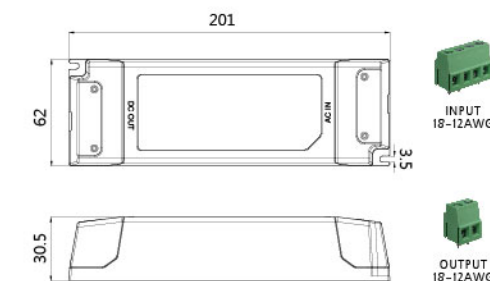
- Independent Type LED Driver
- DALI dimming interface
- 1-100% dimming with PWM signal
- Class 2 Power Supply
- Isolation Class II (Without grounding)
- Protection : OPP/OVP/SCP/OTP
- PF>0.92
- Fully isolated plastic case
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

Specifications

Model	Constant Current	Tol.	Output Voltage Range	R&N (Vpeak-peak)	Efficiency
HEC-45LTD-28QSA (F)	1600mA	±5%	16-28V	300mV	88%
HEC-50LTD-28QSA (F)	1920mA	±5%	16-28V	300mV	88%
HEC-60LTD-28QSA (F)	2150mA	±5%	16-28V	300mV	88%
HEC-60LTD-42QSA (F)	1400mA	±5%	21-42V	420mV	88%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-45/50/60 LTD-Q Series	IP20	201x62x30.5φ3.5



AC input operation voltage range	Ⓕ=90-264Vac . Ⓐ=90-305Vac				
MTBF	>43000hrs @50°C				
Operating temperature	-40°C-60°C (refer to output derating curve)				
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13	
	North America	UL8750	UL1310	UL1012	UL60950-1
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)	
	Immunity	IEC 61000-4-2-6/-8/-11		EN 61547	



HEC-09LTA-P HEC-14LTA-P
HEC-12LTA-P HEC-15LTA-P



HEC-20LTA-P

Features

- Independent Type LED Driver
- 3 IN 1 dimming function (1-10Vdc, PWM signal, or resistance)
- Class 2 Power Supply
- Isolation Class II (Without grounding)
- Protection : OPP/OVP/SCP
- PF>0.92
- Fully isolated plastic case
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

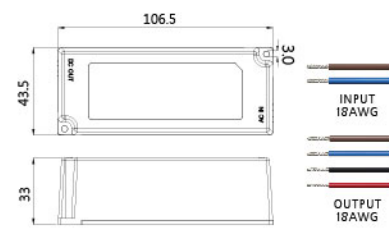
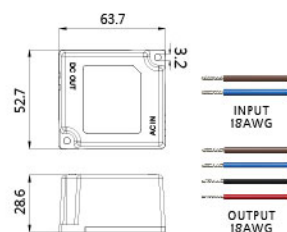
AC input operation voltage range	Ⓕ=90-264Vac . Ⓐ=90-305Vac			
MTBF	>43,000hrs @50°C			
Operating temperature	-40°C-60°C (refer to output derating curve)			
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13
	North America	UL8750	UL1310	UL1012 UL60950-1
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)
	Immunity	IEC 61000-4-2-6/-8/-11 EN 61547		

Specifications

Model	Constant Current	Tol.	Constant Current Range	R&N (Vpeak-peak)	Efficiency
HEC-09LTA-28PSA Ⓕ	350mA	±5%	21-28V	3V	85%
HEC-09LTA-42PSA Ⓕ	214mA	±5%	31-42V	4.2V	85%
HEC-12LTA-36PSA Ⓕ	350mA	±5%	27-36V	3.6V	85%
HEC-12LTA-42PSA Ⓕ	284mA	±5%	31-42V	4.2V	85%
HEC-14LTA-42PSA Ⓕ	326mA	±5%	31-42V	4.2V	85%
HEC-15LTA-42PSA Ⓕ	350mA	±5%	31-42V	4.2V	85%
HEC-20LTA-36PSA Ⓕ	600mA	±5%	27-36V	3.6V	86%
HEC-20LTA-42PSA Ⓕ	472mA	±5%	31-42V	4.2V	86%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm	Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-09/12/14/15LTA-P Series	IP20	63.7x52.7x28.6φ3.2	HEC-20LTA-P Series	IP20	106.5x43.5x33φ3.0



HEC-40LTA-P HEC-55LTA-P
HEC-45LTA-P HEC-60LTA-P
HEC-50LTA-P

Features

- Independent Type LED Driver
- 3 IN 1 dimming function (1-10Vdc, PWM signal, or resistance)
- Class 2 Power Supply
- Isolation Class II (Without grounding)
- Protection : OPP/OVP/SCP/OTP(Optional)
- PF>0.92
- Fully isolated plastic case
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

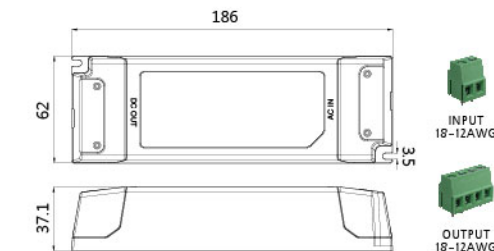
AC input operation voltage range	Ⓕ=90-264Vac . Ⓐ=90-305Vac			
MTBF	>43,000hrs @50°C			
Operating temperature	-40°C-60°C (refer to output derating curve)			
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13
	North America	UL8750	UL1310	UL1012 UL60950-1
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)
	Immunity	IEC 61000-4-2-6/-8/-11 EN 61547		

Specifications

Model	Constant Current	Tol.	Constant Current Range	R&N (Vpeak-peak)	Efficiency
HEC-40LTA-28PSA Ⓕ	1400mA	±5%	21-28V	3V	89%
HEC-40LTA-36PSA Ⓕ	1100mA	±5%	27-36V	3.6V	89%
HEC-40LTA-42PSA Ⓕ	960mA	±5%	31-42V	4.2V	89%
HEC-45LTA-24PSA Ⓕ	1875mA	±5%	18-24V	3V	87%
HEC-45LTA-28PSA Ⓕ	1600mA	±5%	21-28V	3V	87%
HEC-45LTA-36PSA Ⓕ	1200mA	±5%	27-36V	3.6V	88%
HEC-45LTA-42PSA Ⓕ	1050mA	±5%	31-42V	4.2V	88%
HEC-45LTA-48PSA Ⓕ	930mA	±5%	36-48V	4.8V	88%
HEC-45LTA-54PSA Ⓕ	830mA	±5%	40-54V	5.4V	88%
HEC-50LTA-28PSA Ⓕ	1920mA	±5%	21-28V	3V	89%
HEC-50LTA-36PSA Ⓕ	1400mA	±5%	27-36V	3.6V	89%
HEC-50LTA-42PSA Ⓕ	1200mA	±5%	31-42V	4.2V	89%
HEC-50LTA-48PSA Ⓕ	1050mA	±5%	36-48V	4.8V	89%
HEC-55LTA-36PSA Ⓕ	1500mA	±5%	27-36V	3.6V	89%
HEC-60LTA-24PSA Ⓕ	2500mA	±5%	18-24V	3V	88%
HEC-60LTA-28PSA Ⓕ	2150mA	±5%	21-28V	3V	89%
HEC-60LTA-36PSA Ⓕ	1600mA	±5%	27-36V	3.6V	89%
HEC-60LTA-42PSA Ⓕ	1400mA	±5%	31-42V	4.2V	89%
HEC-60LTA-48PSA Ⓕ	1250mA	±5%	36-48V	4.8V	89%
HEC-60LTA-54PSA Ⓕ	1100mA	±5%	40-54V	5.4V	88%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-40/45/50/55/60LTA-P Series	IP20	186x62x37.1φ3.5





HEC-40LTA-P
HEC-45LTA-P



HEC-50LTA-28/36P
HEC-60LTA-42/48/54P



HEC-55LTA-P
HEC-60LTA-24/28/36P

Features

- Independent Type LED Driver
- 3 IN 1 dimming function (1-10Vdc, PWM signal, or resistance)
- Class 2 Power Supply
- Isolation Class II (Without grounding)
- Protection : OPP/OVP/SCP
- PF>0.92
- Fully isolated plastic case
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

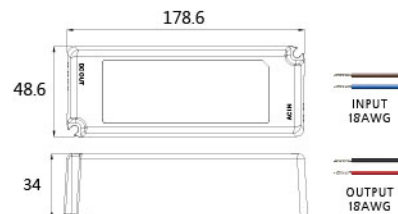
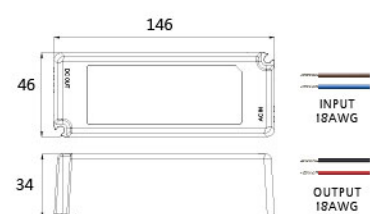
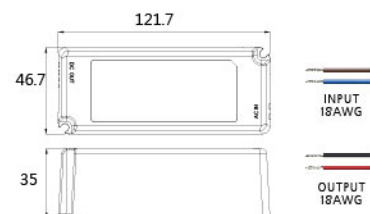
AC input operation voltage range	Ⓕ=90-264Vac . Ⓐ=90-305Vac			
MTBF	>43,000hrs @50°C			
Operating temperature	-40°C-70°C (refer to output derating curve)			
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13
	North America	UL8750	UL1310	UL1012 UL60950-1
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)
	Immunity	IEC 61000-4-2-6/-8/-11		EN 61547

Specifications

Model	Constant Current	Tol.	Constant Current Range	R&N (Vpeak-peak)	Efficiency
HEC-40LTA-28PSC Ⓕ	1400mA	±5%	21-28V	3V	89%
HEC-40LTA-36PSC Ⓕ	1100mA	±5%	27-36V	3.6V	89%
HEC-40LTA-42PSC Ⓕ	960mA	±5%	31-42V	4.2V	89%
HEC-45LTA-24PSC Ⓕ	1875mA	±5%	18-24V	3V	87%
HEC-45LTA-28PSC Ⓕ	1600mA	±5%	21-28V	3V	87%
HEC-45LTA-36PSC Ⓕ	1200mA	±5%	27-36V	3.6V	88%
HEC-45LTA-42PSC Ⓕ	1050mA	±5%	31-42V	4.2V	88%
HEC-45LTA-48PSC Ⓕ	930mA	±5%	36-48V	4.8V	88%
HEC-45LTA-54PSC Ⓕ	830mA	±5%	40-54V	5.4V	88%
HEC-50LTA-28PSC Ⓕ	1920mA	±5%	21-28V	3V	89%
HEC-50LTA-36PSC Ⓕ	1400mA	±5%	27-36V	3.6V	89%
HEC-50LTA-42PSC Ⓕ	1200mA	±5%	31-42V	4.2V	89%
HEC-50LTA-48PSC Ⓕ	1050mA	±5%	36-48V	4.8V	89%
HEC-55LTA-36PSC Ⓕ	1500mA	±5%	27-36V	3.6V	89%
HEC-60LTA-24PSC Ⓕ	2500mA	±5%	18-24V	3V	88%
HEC-60LTA-28PSC Ⓕ	2150mA	±5%	21-28V	3V	89%
HEC-60LTA-36PSC Ⓕ	1600mA	±5%	27-36V	3.6V	89%
HEC-60LTA-42PSC Ⓕ	1400mA	±5%	31-42V	4.2V	89%
HEC-60LTA-48PSC Ⓕ	1250mA	±5%	36-48V	4.8V	89%
HEC-60LTA-54PSC Ⓕ	1100mA	±5%	40-54V	5.4V	88%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm	Model	IP Level	Dimension (LxWxHxScrew hole)mm	Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-40/45/ LTA-P Series HEC-50LTA-42/ 48P Series	IP67	121.7x46.7x35xϕ3.5	HEC-50LTA-28/ 36P Series HEC-60LTA-42/ 48/54P Series	IP67	146x46x34xϕ3.5	HEC-55LTA-P Series HEC-60LTA-24/ 28/36P Series	IP67	178.6x48.6x34xϕ3.5



HEC-40LTA-Q HEC-50LTA-Q
HEC-45LTA-Q HEC-60LTA-Q

Features

- Independent Type LED Driver
- 3 IN 1 dimming function (1-10Vdc, PWM signal, or resistance)
- Class 2 Power Supply
- Isolation Class II (Without grounding)
- Protection : OPP/OVP/SCP/OTP
- PF>0.92
- Fully isolated plastic case
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

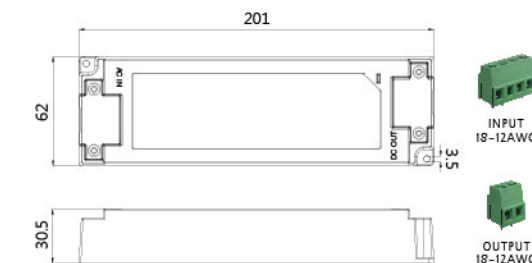
AC input operation voltage range	Ⓕ=90-264Vac . Ⓐ=90-305Vac			
MTBF	>43,000hrs @50°C			
Operating temperature	-40°C-60°C (refer to output derating curve)			
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	Immunity	IEC 61000-4-2-6/-8/-11		EN 61547

Specifications

Model	Constant Current	Tol.	Output Voltage Range	R&N (Vpeak-peak)	Efficiency
HEC-40LTA-28QSA Ⓕ	1400mA	±5%	16-28V	280mV	89%
HEC-40LTA-42QSA Ⓕ	960mA	±5%	25-42V	420mV	89%
HEC-45LTA-28QSA Ⓕ	1600mA	±5%	16-28V	300mV	87%
HEC-45LTA-36QSA Ⓕ	1200mA	±5%	21-36V	360mV	88%
HEC-45LTA-42QSA Ⓕ	1050mA	±5%	25-42V	420mV	88%
HEC-45LTA-48QSA Ⓕ	930mA	±5%	28-48V	480mV	88%
HEC-45LTA-54QSA Ⓕ	830mA	±5%	32-54V	540mV	88%
HEC-50LTA-28QSA Ⓕ	1920mA	±5%	16-28V	300mV	89%
HEC-55LTA-42QSA Ⓕ	1200mA	±5%	25-42V	420mV	90%
HEC-60LTA-24QSA Ⓕ	2500mA	±5%	14-24V	300mV	88%
HEC-60LTA-28QSA Ⓕ	2150mA	±5%	16-28V	300mV	89%
HEC-60LTA-36QSA Ⓕ	1600mA	±5%	21-36V	300mV	89%
HEC-60LTA-42QSA Ⓕ	1400mA	±5%	25-42V	300mV	89%
HEC-60LTA-48QSA Ⓕ	1250mA	±5%	28-48V	300mV	89%
HEC-60LTA-54QSA Ⓕ	1100mA	±5%	32-54V	540mV	88%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-40/45/50/60 LTA-Q Series	IP20	201x62x30.5xϕ3.5





HEC-30LTA-T
HEC-35LTA-T

Features

- Independent Type LED Driver
- 3 IN 1 dimming function (1-10Vdc, PWM signal, or resistance)
- Class 2 Power Supply
- Isolation Class II (Without grounding)
- Protection : OPP/OVP/SCP
- PF>0.92
- Fully isolated plastic case with IP20
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

AC input operation voltage range	ⓕ=90-264Vac . ⓐ=90-305Vac
MTBF	>43,000hrs @50°C
Operating temperature	ⓐ: IP20(60°C) ⓐ: IP67(-40°C-70°C) (refer to output derating curve)

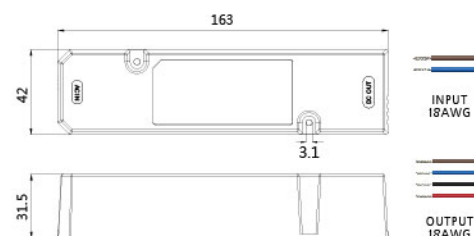
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13	
	North America	UL8750	UL1310	UL1012	UL60950-1
	China	GB19510.1-2009		GB19510.14-2009	
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)	
		GB17743-2007		GB17625.1-2003	
	Immunity	IEC 61000-4-2-6/-8/-11		EN 61547	

Specifications

Model (One channel output)	Output Voltage Range	Constant Current	Tol.	R&N (Vpeak-peak)	Efficiency
HEC-30LTA-42TS ⓐ ⓕ	36-42V	800mA	±5%	4.2V	85%
HEC-35LTA-36TS ⓐ ⓕ	28-36V	1000mA	±5%	3.6V	85%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-30/35LTA-T Series	IP20 IP67	163x42x31.5xψ3.1



HEC-75LTA-Q

HEC-100LTA-Q

HEC-150LTA-Q

HEC-200LTA-Q

Features

- Independent Type LED Driver
- 3 IN 1 dimming function (1-10Vdc, PWM signal, or resistance)
- Isolation Class I (With FG)
- Protection : OPP/OVP/SCP/OTP
- PF>0.92
- Fully isolated metal case
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

AC input operation voltage range	ⓕ=90-264Vac . ⓐ=90-305Vac
MTBF	>43,000hrs @50°C
Operating temperature	-40°C-70°C (refer to output derating curve)

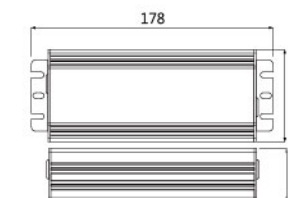
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13	
	North America	UL8750	UL1310	UL1012	UL60950-1
	China	GB19510.1-2009		GB19510.14-2009	
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)	
		GB17743-2007		GB17625.1-2003	
	Immunity	IEC 61000-4-2-6/-8/-11		EN 61547	

Specifications

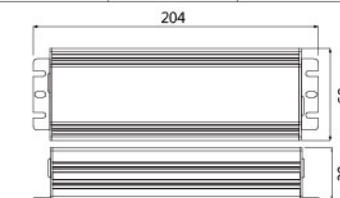
Model	Constant Current	Tol.	Output Voltage Range	R&N (Vpeak-peak)	Efficiency
HEC-75LTA-54QSC ⓕ	1400mA	±5%	32-54V	<1%	89%
HEC-75LTA-72QSC ⓕ	1050mA	±5%	43-72V	<1%	89%
HEC-75LTA-108QSC ⓕ	700mA	±5%	64-108V	<1%	89%
HEC-75LTA-214QSC ⓕ	350mA	±5%	128-214V	<1%	89%
HEC-100LTA-72QSC ⓕ	1400mA	±5%	43-72V	<1%	89%
HEC-100LTA-95QSC ⓕ	1050mA	±5%	57-95V	<1%	89%
HEC-100LTA-143QSC ⓕ	700mA	±5%	85-143V	<1%	89%
HEC-100LTA-286QSC ⓕ	350mA	±5%	171-286V	<1%	89%
HEC-150LTA-24QSC ⓕ	6250mA	±5%	14-24V	<1%	89%
HEC-150LTA-108QSC ⓕ	1400mA	±5%	64-108V	<1%	89%
HEC-150LTA-143QSC ⓕ	1050mA	±5%	85-143V	<1%	89%
HEC-150LTA-214QSC ⓕ	700mA	±5%	128-214V	<1%	89%
HEC-150LTA-428QSC ⓕ	350mA	±5%	256-428V	<1%	89%
HEC-200LTA-143QSC ⓕ	1400mA	±5%	85-143V	<1%	89%
HEC-200LTA-190QSC ⓕ	1050mA	±5%	114-190V	<1%	89%
HEC-200LTA-286QSC ⓕ	700mA	±5%	171-286V	<1%	89%

Dimension

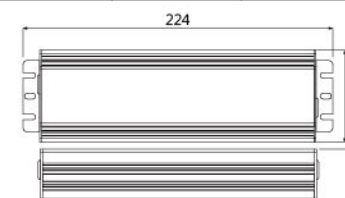
Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-75LTA-Q Series	IP67	178x68x39xψ4.2



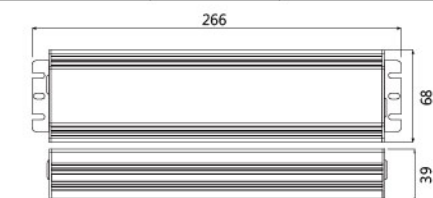
Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-100LTA-Q Series	IP67	204x68x39xψ4.2



Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-150LTA-Q Series	IP67	224x68x39xψ4.2



Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-200LTA-Q Series	IP67	244x68x39xψ4.2





HEC-12LTT-P

Features

- Independent Type LED Driver
- AC Phase-cut dimming work with leading edge and trailing edge TRIAC dimmers
- Class 2 Power Supply
- Isolation Class II (Without grounding)
- Protection : OPP/OVP/SCP
- PF>0.9
- Fully isolated plastic case with IP20
- Approved with complete standard for safety and EMC

AC input operation voltage range	S=180-264Vac			
MTBF	>43,000hrs @50°C			
Operating temperature	-40°C-50°C (refer to output derating curve)			
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13
	North America	UL8750	UL1310	UL1012 UL60950-1
	China	GB19510.1-2009		GB19510.14-2009
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)
		GB17743-2007		GB17625.1-2003
	Immunity	IEC 61000-4-2-6/-8/-11		EN 61547

Specifications

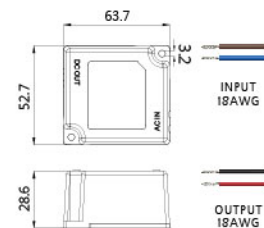
Model(One channel output)	Constant Current	Tol.	Output Voltage Range	R&N (Vpeak-peak)	Efficiency
HEC-12LTT-36PSAS	350mA	±7%	24-36V	3V	82%

Dimmer Recommendation

Brand	Dimmer Model
Berker	Tronic-Drehdimmer 286710 (230Vac / 50Hz)
Jung	Licht-Management 225 TDE (230Vac / 50Hz)
Clipsal	E1031V600 (220-240Vac / 50Hz)

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-12LTT-P Series	IP20	63.7x52.7x28.6φ3.2



HEC-08/12LTN-24PSAF



HEC-08/12LTN-24PSAF

Features

- Customization design for LED wall light
- Various driver appearances
- Class 2 Power Supply
- Isolation Class II (Without grounding)
- Protection : OPP/OVP/OCP/SCP
- PF>0.92
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

AC input operation voltage range	ⓕ=90-264Vac . ⓐ=90-305Vac			
MTBF	>43,000hrs @50°C			
Operation Temperature	-40°C-+50°C			
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13
	North America	UL8750	UL1310	UL1012 UL60950-1
	China	GB19510.1-2009		GB19510.14-2009
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)
		GB17743-2007		GB17625.1-2003
	Immunity	IEC 61000-4-2-6/-8/-11		EN 61547

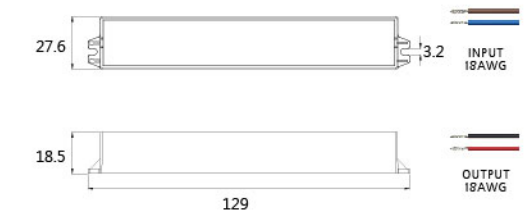
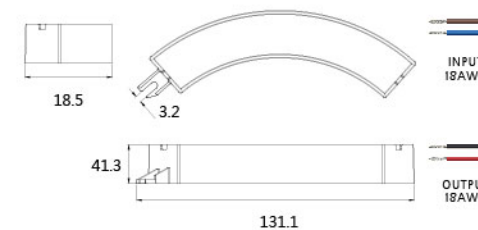
Specifications

Model	Constant Current	Tol.	Output Voltage Range	R&N (Vpeak-peak)	Efficiency
HEC-08LTN-24PSC ⓕ	360mA	±8%	12-24V	3V	80%
HEC-12LTN-24PSC ⓕ	550mA	±8%	12-24V	3V	80%

Dimension

Model	Dimension (LxWxHxScrew hole)mm
HEC-08/12LTN-24PSCF	131.1x41.3x18.5φ3.2

Model	Dimension (LxWxHxScrew hole)mm
HEC-08/12LTN-24PSCF	129x27.6x18.5xφ3.2





HEC-09LTN-P HEC-14LTN-P
HEC-12LTN-P HEC-15LTN-P



HEC-20LTN-P

Features

- Independent Type LED Driver
- Class 2 Power Supply
- Isolation Class II (Without grounding)
- Protection:OPP/OVP/SCP
- PF>0.9
- Fully isolated plastic case
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

AC input operation voltage range	(F)=90-264Vac .(A)=90-305Vac
MTBF	>43,000hrs @50°C
Operating temperature	-40°C-60°C (refer to output derating curve)



Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13	
	North America	UL8750	UL1310	UL1012	UL60950-1
	China	GB19510.1-2009		GB19510.14-2009	
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)	
		GB17743-2007		GB17625.1-2003	
	Immunity	IEC 61000-4-2-6/-8/-11		EN 61547	

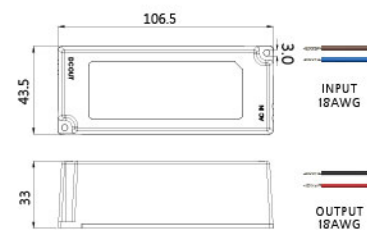
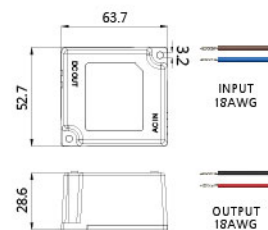
Specifications

Model (One channel output)	Constant Current	Tol.	Output Voltage Range	R&N (Vpeak-peak)	Efficiency
HEC-09LTN-28PSA (F)	350mA	±5%	16-28V	3V	85%
HEC-09LTN-42PSA (F)	214mA	±5%	25-42V	4.2V	85%
HEC-12LTN-36PSA (F)	350mA	±5%	21-36V	3.6V	85%
HEC-12LTN-42PSA (F)	284mA	±5%	25-42V	4.2V	85%
HEC-14LTN-42PSA (F)	326mA	±5%	25-42V	4.2V	85%
HEC-15LTN-42PSA (F)	350mA	±5%	25-42V	4.2V	85%
HEC-20LTN-36PSA (F)	600mA	±5%	21-36V	3.6V	86%
HEC-20LTN-42PSA (F)	472/500mA	±5%	25-42V	4.2V	86%
HEC-20LTN-48PSA (F)	350mA	±5%	28-48V	4.8V	86%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-09/12/14/15LTN-P Series	IP20	106.5x43.5x33xφ3.0

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-20LTN-P Series	IP20	106.5x43.5x33xφ3.0



HEC-20/25/30LTN-P



HEC-40LTN-P HEC-55LTN-P
HEC-45LTN-P HEC-60LTN-P
HEC-50LTN-P

Features

- Independent Type LED Driver
- Class 2 Power Supply
- Isolation Class II (Without grounding)
- Protection : OPP/OVP/SCP/OTP(Optional)
- PF>0.92
- Fully isolated plastic case
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

AC input operation voltage range	(F)=90-264Vac .(A)=90-305Vac
MTBF	>43,000hrs @50°C
Operating temperature	-40°C-60°C (refer to output derating curve)



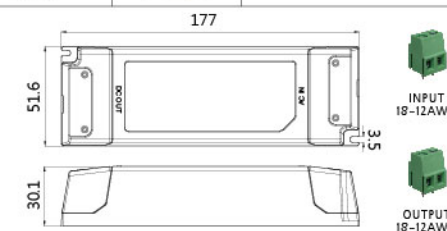
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13	
	North America	UL8750	UL1310	UL1012	UL60950-1
	China	GB19510.1-2009		GB19510.14-2009	
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)	
		GB17743-2007		GB17625.1-2003	
	Immunity	IEC 61000-4-2-6/-8/-11		EN 61547	

Specifications

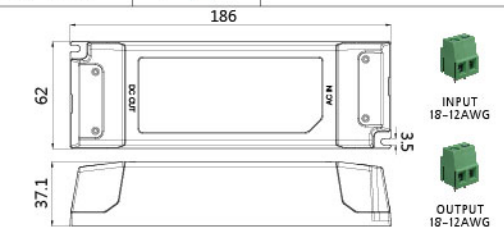
Model	Constant Current	Tol.	Output Voltage Range	R&N (Vpeak-peak)	Efficiency
HEC-20LTN-42PSA (F)	520mA	±5%	25-42V	4.2V	88%
HEC-20LTN-48PSA (F)	350mA	±5%	28-48V	4.8V	88%
HEC-25LTN-24PSA (F)	1100mA	±5%	14-24V	3V	86%
HEC-30LTN-24PSA (F)	1250mA	±5%	14-24V	3V	85%
HEC-30LTN-36PSA (F)	830mA	±5%	21-36V	3.6V	85%
HEC-30LTN-42PSA (F)	700mA	±5%	25-42V	4.2V	85%
HEC-30LTN-48PSA (F)	700mA	±5%	28-48V	4.8V	85%
HEC-40LTN-28PSA (F)	1400mA	±5%	16-28V	3V	89%
HEC-40LTN-36PSA (F)	1100mA	±5%	21-36V	3.6V	89%
HEC-40LTN-42PSA (F)	960mA	±5%	25-42V	4.2V	89%
HEC-45LTN-24PSA (F)	1875mA	±5%	14-24V	3V	87%
HEC-45LTN-28PSA (F)	1600mA	±5%	16-28V	3V	87%
HEC-45LTN-36PSA (F)	1200mA	±5%	21-36V	3.6V	88%
HEC-45LTN-42PSA (F)	1050mA	±5%	25-42V	4.2V	88%
HEC-45LTN-48PSA (F)	930mA	±5%	28-48V	4.8V	88%
HEC-45LTN-54PSA (F)	830mA	±5%	32-54V	5.4V	88%
HEC-50LTN-28PSA (F)	1920mA	±5%	16-28V	3V	89%
HEC-50LTN-36PSA (F)	1400mA	±5%	21-36V	3.6V	89%
HEC-50LTN-42PSA (F)	1200mA	±5%	25-42V	4.2V	89%
HEC-50LTN-48PSA (F)	1050mA	±5%	28-48V	4.8V	89%
HEC-55LTN-36PSA (F)	1500mA	±5%	21-36V	3.6V	89%
HEC-60LTN-24PSA (F)	2500mA	±5%	14-24V	3V	88%
HEC-60LTN-28PSA (F)	2150mA	±5%	16-28V	3V	89%
HEC-60LTN-36PSA (F)	1600mA	±5%	21-36V	3.6V	89%
HEC-60LTN-42PSA (F)	1400mA	±5%	25-42V	4.2V	89%
HEC-60LTN-48PSA (F)	1250mA	±5%	28-48V	4.8V	89%
HEC-60LTN-54PSA (F)	1100mA	±5%	32-54V	5.4V	88%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-20/25/30 LTN-P Series	IP20	177x51.6x30.1xφ3.5



Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-40/45/50/55/60LTN-P Series	IP20	186x62x37.1xφ3.5





HEC-30LTN-P HEC-45LTN-P
HEC-40LTN-P



HEC-50LTN-36P
HEC-60LTN-42/48/54P



HEC-50LTN-28P
HEC-55LTN-P
HEC-60LTN-24/28/36P

Features

- Independent Type LED Driver
- Class 2 Power Supply
- Isolation Class II (Without grounding)
- Protection : OPP/OVP/SCP
- PF>0.92
- Fully isolated plastic case
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

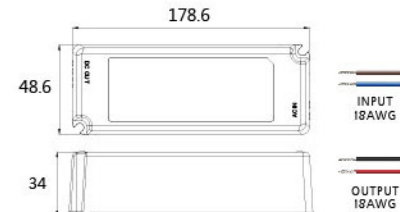
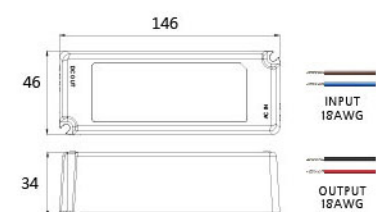
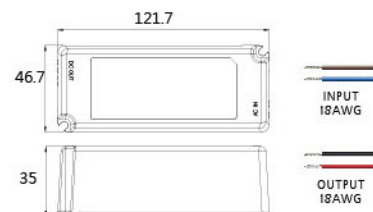
AC input operation voltage range	Ⓕ=90-264Vac . Ⓐ=90-305Vac			
MTBF	>43,000hrs @50°C			
Operating temperature	-40°C~70°C (refer to output derating curve)			
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13
	North America	UL8750	UL1310	UL1012 UL60950-1
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)
	Immunity	IEC 61000-4-2-6/-8/-11		EN 61547

Specifications

Model	Constant Current	Tol.	Output Voltage Range	R&N (Vpeak-peak)	Efficiency
HEC-30LTN-24PSC Ⓕ	1250mA	±5%	14-24V	3V	85%
HEC-30LTN-36PSC Ⓕ	830mA	±5%	21-36V	3.6V	85%
HEC-30LTN-42PSC Ⓕ	700mA	±5%	25-42V	4.2V	88%
HEC-30LTN-48PSC Ⓕ	700mA	±5%	28-48V	4.8V	88%
HEC-40LTN-28PSC Ⓕ	1400mA	±5%	16-28V	3V	89%
HEC-40LTN-36PSC Ⓕ	1100mA	±5%	21-36V	3.6V	89%
HEC-40LTN-42PSC Ⓕ	960mA	±5%	25-42V	4.2V	89%
HEC-45LTN-24PSC Ⓕ	1875mA	±5%	14-24V	3V	87%
HEC-45LTN-28PSC Ⓕ	1600mA	±5%	16-28V	3V	87%
HEC-45LTN-36PSC Ⓕ	1200mA	±5%	21-36V	3.6V	88%
HEC-45LTN-42PSC Ⓕ	1050mA	±5%	25-42V	4.2V	88%
HEC-45LTN-48PSC Ⓕ	930mA	±5%	28-48V	4.8V	88%
HEC-45LTN-54PSC Ⓕ	830mA	±5%	32-54V	5.4V	88%
HEC-50LTN-28PSC Ⓕ	1920mA	±5%	16-28V	3V	89%
HEC-50LTN-36PSC Ⓕ	1400mA	±5%	21-36V	3.6V	89%
HEC-50LTN-42PSC Ⓕ	1200mA	±5%	25-42V	4.2V	89%
HEC-50LTN-48PSC Ⓕ	1050mA	±5%	28-48V	4.8V	89%
HEC-55LTN-36PSC Ⓕ	1500mA	±5%	21-36V	3.6V	89%
HEC-60LTN-24PSC Ⓕ	2500mA	±5%	14-24V	3V	88%
HEC-60LTN-28PSC Ⓕ	2150mA	±5%	16-28V	3V	89%
HEC-60LTN-36PSC Ⓕ	1600mA	±5%	21-36V	3.6V	89%
HEC-60LTN-42PSC Ⓕ	1400mA	±5%	25-42V	4.2V	89%
HEC-60LTN-48PSC Ⓕ	1250mA	±5%	28-48V	4.8V	89%
HEC-60LTN-54PSC Ⓕ	1100mA	±5%	32-54V	5.4V	88%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm	Model	IP Level	Dimension (LxWxHxScrew hole)mm	Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-30/40/45/ LTN-P Series HEC-50LTN-42/ 48P Series	IP67	121.7x46.7x35xφ3.5	HEC-50LTN-36P Series HEC-60LTN-42/ 48/54P Series	IP67	146x46x34xφ3.5	HEC-50LTN-28P HEC-55LTN-P HEC-60LTN-24/ 28/36P Series	IP67	178.6x48.6x34xφ3.5



HEC-40LTN-Q HEC-55LTN-Q
HEC-45LTN-Q HEC-60LTN-Q
HEC-50LTN-Q

Features

- Independent Type LED Driver
- Class 2 Power Supply
- Isolation Class II (Without grounding)
- Protection : OPP/OVP/SCP/OTP
- PF>0.92
- Fully isolated plastic case with IP20
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

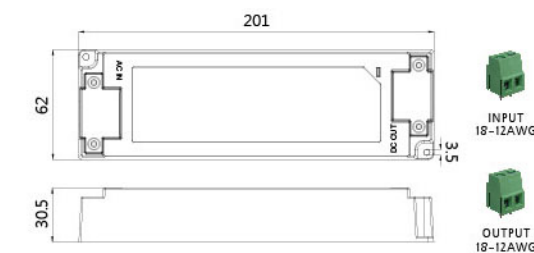
AC input operation voltage range	Ⓕ=90-264Vac . Ⓐ=90-305Vac			
MTBF	>43,000hrs @50°C			
Operating temperature	-40°C~60°C (refer to output derating curve)			
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13
	North America	UL8750	UL1310	UL1012 UL60950-1
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)
	Immunity	IEC 61000-4-2-6/-8/-11		EN 61547

Specifications

Model	Constant Current	Tol.	Output Voltage Range	R&N (Vpeak-peak)	Efficiency
HEC-40LTN-28QSA Ⓕ	1400mA	±5%	14-28V	300mV	89%
HEC-40LTN-42QSA Ⓕ	960mA	±5%	21-42V	300mV	89%
HEC-45LTN-28QSA Ⓕ	1600mA	±5%	14-28V	300mV	87%
HEC-45LTN-36QSA Ⓕ	1200mA	±5%	18-36V	360mV	88%
HEC-45LTN-42QSA Ⓕ	1050mA	±5%	21-42V	420mV	88%
HEC-45LTN-48QSA Ⓕ	930mA	±5%	24-48V	480mV	88%
HEC-45LTN-54QSA Ⓕ	830mA	±5%	27-54V	540mV	88%
HEC-50LTN-28QSA Ⓕ	1920mA	±5%	14-28V	300mV	89%
HEC-55LTN-36QSA Ⓕ	1500mA	±5%	18-36V	360mV	89%
HEC-60LTN-24QSA Ⓕ	2500mA	±5%	12-24V	300mV	88%
HEC-60LTN-28QSA Ⓕ	2150mA	±5%	14-28V	300mV	89%
HEC-60LTN-36QSA Ⓕ	1600mA	±5%	18-36V	360mV	89%
HEC-60LTN-42QSA Ⓕ	1400mA	±5%	21-42V	420mV	89%
HEC-60LTN-48QSA Ⓕ	1250mA	±5%	24-48V	480mV	89%
HEC-60LTN-54QSA Ⓕ	1100mA	±5%	27-54V	540mV	89%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-40/45/50/ 55/60LTN-Q Series	IP20	201x62x30.5φ3.5





Features

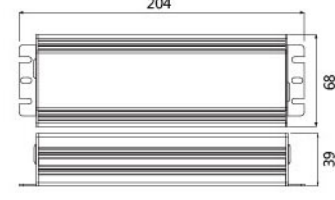
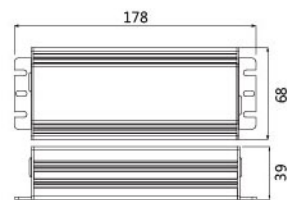
- Independent Type LED Drive
- Isolation Class I (With FG)
- Protection : OPP/OVP/SCP/OTP
- PF>0.92
- Fully isolated metal case
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

Specifications

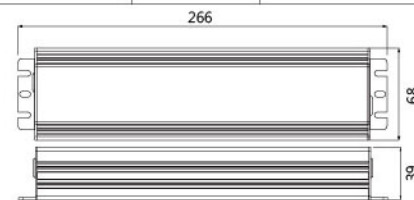
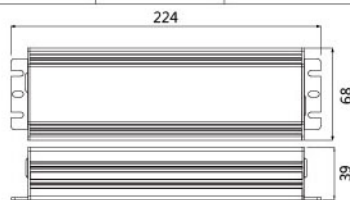
Model	Constant Current	Tol.	Output Voltage Range	R&N (Vpeak-peak)	Efficiency
HEC-75LTN-54QSC (F)	1400mA	±5%	27-54V	<1%	89%
HEC-75LTN-72QSC (F)	1050mA	±5%	36-72V	<1%	89%
HEC-75LTN-108QSC (F)	700mA	±5%	54-108V	<1%	89%
HEC-75LTN-214QSC (F)	350mA	±5%	107-214V	<1%	89%
HEC-100LTN-72QSC (F)	1400mA	±5%	36-72V	<1%	89%
HEC-100LTN-95QSC (F)	1050mA	±5%	47-95V	<1%	89%
HEC-100LTN-143QSC (F)	700mA	±5%	71-143V	<1%	89%
HEC-100LTN-286QSC (F)	350mA	±5%	143-286V	<1%	89%
HEC-150LTN-24QSC (F)	6250mA	±5%	12-24V	<1%	89%
HEC-150LTN-108QSC (F)	1400mA	±5%	54-108V	<1%	89%
HEC-150LTN-143QSC (F)	1050mA	±5%	71-143V	<1%	89%
HEC-150LTN-214QSC (F)	700mA	±5%	107-214V	<3%	89%
HEC-150LTN-428QSC (F)	350mA	±5%	214-428V	<3%	89%
HEC-200LTN-143QSC (F)	1400mA	±5%	71-143V	<1%	89%
HEC-200LTN-190QSC (F)	1050mA	±5%	95-190V	<1%	89%
HEC-200LTN-286QSC (F)	700mA	±5%	143-286V	<3%	89%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-75LTN-Q Series	IP67	178x68x39xψ4.2
HEC-100LTN-Q Series	IP67	204x68x39xψ4.2



Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-150LTN-Q Series	IP67	224x68x39xψ4.2
HEC-200LTN-Q Series	IP67	266x68x39xψ4.2



Features

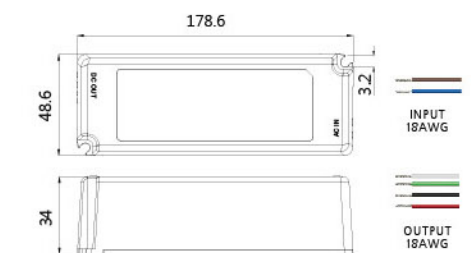
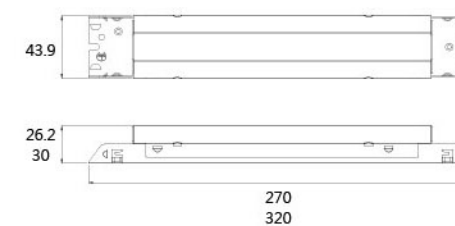
- Customization design for LED Tube
- Up to 2 independent output channels
- Independent Type LED Driver
- Class 2 Power Supply
- Isolation Class II (Without grounding)
- Protection : OPP/OVP/SCP
- PF>0.92
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

Specifications

Model	Constant Current	Tol.	Output Voltage Range	R&N (Vpeak-peak)	Efficiency
HEC-10LTN-42TD (A) (F)	140mA x 2 output channels	±8%	36-42V	500mV	84%
HEC-20LTN-42TD (A) (F)	280mA x 2 output channels	±8%	36-42V	500mV	87%
HEC-25LTN-42TD (A) (F)	340mA x 2 output channels	±8%	36-42V	500mV	88%
HEC-LTL15D-F	260mA x 2 output channels	±8%	38-42V	200mV	82%
HEC-LTL20D-F	520mA x 2 output channels	±8%	38-42V	200mV	82%
HEC-35LCN-350PSA (F)	350mA	±5%	45-95V	<1%	87%
HEC-70LCN-350TDA (F)	350mA x 2	±5%	45-95V	<1%	90%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-35LCN-350PSA (F)	IP20	270x43.9x26.2xψ4.9
HEC-70LCN-350TDA (F)		320x43.9x30xψ4.9
HEC-10/20/25LTN-T Series	IP67	178.6x48.6x34xψ3.2





HEC-30/35/45/55/70LTA-T Series

Features

- Up to 4 output channels
- 3 IN 1 dimming function (1-10Vdc, PWM signal, or resistance)
- Independent Type LED Driver
- Class 2 Power Supply
- Isolation Class II (Without grounding)
- Protection : OPP/OVP/SCP
- PF>0.92
- Fully isolated metal case
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

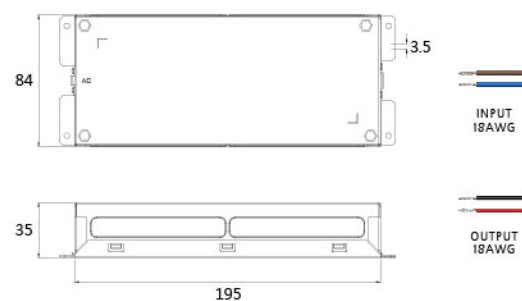
AC input operation voltage range	90-305Vac			
MTBF	>43,000hrs @50°C			
Operating temperature	-40°C-60°C (refer to output derating curve)			
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13
	North America	UL8750	UL1310	UL1012 UL60950-1
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)
	Immunity	IEC 61000-4-2-6/-8/-11		EN 61547

Specifications

Model	Constant Current	Tol.	Output Voltage Range	R&N (Vpeak-peak)	Efficiency
HEC-30LTA-33TDAA	450mA x 2	±5%	24V - 33V	<1%	85%
HEC-35LTA-33TDAA	550mA x 2	±5%	24V - 33V	<1%	85%
HEC-45LTA-33TTAA	400mA x 2	±5%	24V - 33V	<1%	85%
HEC-55LTA-33TTAA	550mA x 3	±5%	24V - 33V	<1%	85%
HEC-55LTA-33TQAA	400mA x 4	±5%	24V - 33V	<1%	85%
HEC-70LTA-33TQAA	525mA x 4	±5%	24V - 33V	<1%	85%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-30/35/45/55/70LTA-T Series	IP20	195x84x35xΦ3.5



HEC-45/50LTN-PF Series

Features

- Build-in 12V auxiliary fan output
- Independent Type LED Driver
- Class 2 Power Supply
- Isolation Class II(Without grounding)
- Protection : OPP/OVP/SCP
- PF>0.92
- Fully isolated plastic case
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

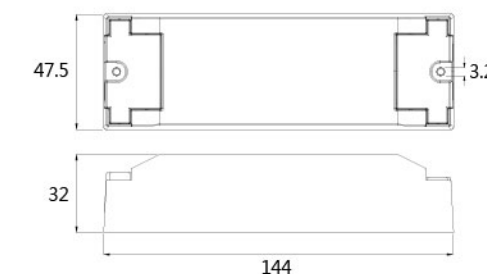
AC input operation voltage range	Ⓕ=90-264Vac . Ⓐ=90-305Vac			
MTBF	>43,000hrs @50°C			
Operating temperature	-40°C-60°C (refer to output derating curve)			
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13
	North America	UL8750	UL1310	UL1012 UL60950-1
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)
	Immunity	IEC 61000-4-2-6/-8/-11		EN 61547

Specifications

Model	Constant Current	Tol.	Output Voltage Range	R&N (Vpeak-peak)	Efficiency
HEC-45LTN-45PFAⒶ	1000mA	±5%	27-45V	4.5V	85%
HEC-50LTN-48PFAⒶ	1050mA	±5%	30-48V	4.8V	85%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-45/50LTN-P Series	IP20	144x47.5x32xΦ3.2





HEC-45/60LVA-Q Series

Features

- Independent Type LED Driver
- 3 IN 1 dimming function (1-10Vdc, PWM signal, or resistance)
- Class 2 Power Supply
- Isolation Class II (Without grounding)
- Protection : OPP/OCP/SCP/OTP
- PF>0.92
- Fully isolated plastic case
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

AC input operation voltage range	ⓕ=90-264Vac . ⓐ=90-305Vac
MTBF	>43,000hrs @50°C
Operating temperature	-40°C-60°C (refer to output derating curve)

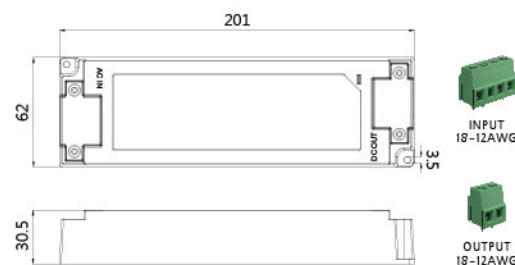
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13	
	North America	UL8750	UL1310	UL1012	UL60950-1
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)	
	Immunity	IEC 61000-4-2-6/-8/-11		EN 61547	

Specifications

Model	Constant Voltage	Tol.	Max Load Current	R&N (Vpeak-peak)	Efficiency
HEC-45LVA-24Q5Aⓕ	24V	±5%	1.875A	300mV	88%
HEC-45LVA-48Q5Aⓕ	48V	±5%	0.93A	480mV	88%
HEC-60LVA-24Q5Aⓕ	24V	±5%	2.5A	300mV	88%
HEC-60LVA-48Q5Aⓕ	48V	±5%	1.25A	300mV	89%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-45/60 LVA-Q Series	IP20	201x62x30.5φ3.5



HEC-400LVN-48TEAA

Features

- Up to 12 output channels
- Easy-installation with standard Cat5 cable and RJ45 connector.
- 100ft Cat5 of max cable Length
- Protection : OPP/OVP/OVP/SCP
- PF>0.9
- IP20 design for indoor use.
- THD<20%
- 6 levels of OPP switching function

AC input operation voltage range	114-305Vac
MTBF	>200,000hrs @50°C
Operating temperature	-20°C-40°C

Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13	
	North America	UL8750	UL1310	UL1012	UL60950-1
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)	
	Immunity	IEC 61000-4-2-6/-8/-11		EN 61547	

Specifications

Model	Constant Voltage	Tol.	Max. Load Current	R&N (Vpeak-peak)	Efficiency
HEC-400LVN-48TSAA	48V	±5%	2A (each channel)	480mV	91%

Remark : Total power consumption can't exceed 400W. (Tol. Output Current <8.3A)

Dimension

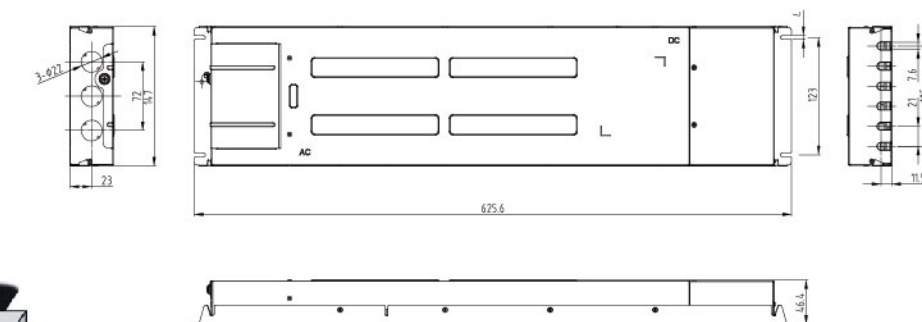
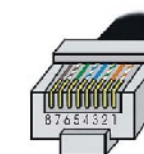
Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-400LVN-48TSAA	IP20	625.6x146.5x45.4 Φ4.0

6 levels of OPP switching function

Current Switch	Output Power
1	80W
2	120W
3	160W
4	240W
5	320W
6	400W

PIN function defines for RJ45

Pin 1	48V (LED +)
Pin 2	48V (LED +)
Pin 3	N/A
Pin 4	N/A
Pin 5	N/A
Pin 6	Ground
Pin 7	Ground
Pin 8	Ground





HEC-100LVN-Q



HEC-150LVN-Q



HEC-200LVN-Q

Features

- Independent Type LED Driver
- Isolation Class I (with FG)
- Protection : OCP/OPP/OVP/SCP/OTP
- PF>0.92
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

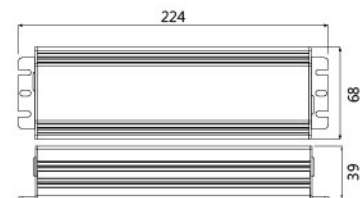
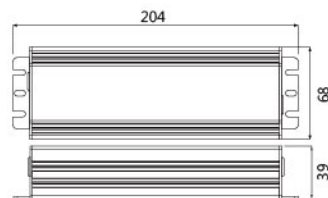
AC input operation voltage range	Ⓕ=90-264Vac . Ⓐ=90-305Vac			
MTBF	>40,000hrs @50°C			
Operating temperature	-40°C~70°C (refer to output derating curve)			
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13
	North America	UL8750	UL1310	UL1012 UL60950-1
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)
	Immunity	IEC 61000-4-2-6/-8/-11 EN 61547		

Specifications

Model	Constant Voltage	Tol.	Max. Load Current	R&N (Vpeak-peak)	Efficiency
HEC-100LVN-12QSC Ⓕ	12V	±5%	8.33A	<1%	86%
HEC-100LVN-24QSC Ⓕ	24V	±5%	4.17A	<1%	88%
HEC-150LVN-12QSC Ⓕ	12V	±5%	12.5A	<1%	86%
HEC-150LVN-24QSC Ⓕ	24V	±5%	6.25A	<1%	88%
HEC-200LVN-12QSC Ⓕ	12V	±5%	15A	<1%	86%
HEC-200LVN-24QSC Ⓕ	24V	±5%	8.33A	<1%	88%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm	Model	IP Level	Dimension (LxWxHxScrew hole)mm	Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-100LVN-Q Series	IP67	204x68x39xψ4.2	HEC-150LVN-Q Series	IP67	224x68x39xψ4.2	HEC-200LVN-Q Series	IP67	266x68x39xψ4.2



HEC-100LVN-T

Features

- Isolation Class I (with FG)
- Protection : OCP/OVP/SCP/OPP/OTP
- PF>0.92
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

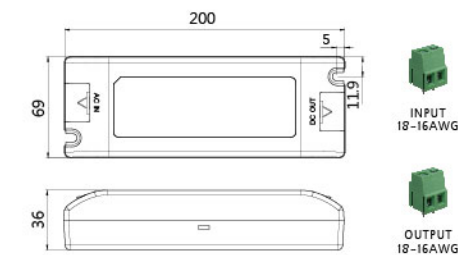
AC input operation voltage range	Ⓕ=90-264Vac . Ⓐ=90-305Vac			
MTBF	>40,000hrs @50°C			
Operating temperature	A:IP20 (60°C) C:IP67 (-40°C~70°C) (refer to output derating curve)			
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13
	North America	UL8750	UL1310	UL1012 UL60950-1
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)
	Immunity	IEC 61000-4-2-6/-8/-11 EN 61547		

Specifications

Model	Constant Voltage	Tol.	Max. Load Current	R&N (Vpeak-peak)	Efficiency
HEC-100LVN-12TSA Ⓕ	12V	±5%	8.33A	<1%	91%
HEC-100LVN-13TSA Ⓕ	13V	±5%	7.69A	<1%	91%
HEC-100LVN-24TSA Ⓕ	24V	±5%	4.16A	<1%	91%
HEC-100LVN-26TSA Ⓕ	26V	±5%	3.85A	<1%	91%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-100LVN-T Series	IP20	200x69x36xψ3.5





HEC-30LVN-P HEC-45LVN-P
HEC-40LVN-P HEC-60LVN-P



HEC-45LVN-13/25P

Features

- Independent Type LED Driver
- Class 2 Power Supply
- Isolation Class II (Without grounding)
- Protection : OCP/OPP/SCP/OTP(Optional)
- PF>0.92
- Fully isolated plastic case
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

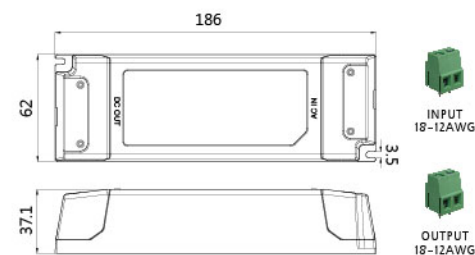
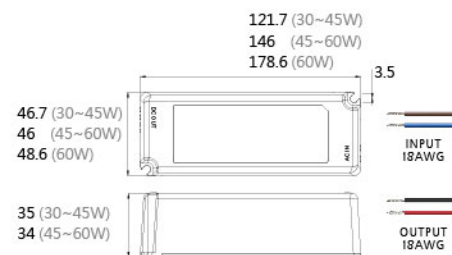
Specifications

Model	Constant Voltage	Tol.	Max. Load Current	R&N (Vpeak-peak)	Efficiency
HEC-30LVN-12PS \AA $\text{\textcircled{F}}$	12V	±5%	2.5A	3V	86%
HEC-30LVN-24PS \AA $\text{\textcircled{F}}$	24V	±5%	1.25A	3V	86%
HEC-40LVN-26PS \AA $\text{\textcircled{F}}$	26V	±5%	1.54A	3V	88%
HEC-45LVN-12PS \AA $\text{\textcircled{F}}$	12V	±5%	3.75A	3V	88%
HEC-45LVN-13PS \AA $\text{\textcircled{F}}$	13V	±5%	3.46A	3V	80%
HEC-45LVN-24PS \AA $\text{\textcircled{F}}$	24V	±5%	1.875A	3V	88%
HEC-45LVN-25PS \AA $\text{\textcircled{F}}$	25V	±5%	1.8A	3V	85%
HEC-60LVN-12PS \AA $\text{\textcircled{F}}$	12V	±5%	5A	3V	88%
HEC-60LVN-24PS \AA $\text{\textcircled{F}}$	24V	±5%	2.5A	3V	88%

Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-30LVN-P Series		121.7x46.7x35xψ3.5
HEC-40LVN-26P Series		146x46x34xψ3.5
HEC-45LVN-24P Series		178.6x48.6x34xψ3.5
HEC-45LVN-12P Series		146x46x34xψ3.5
HEC-60LVN-24P Series		178.6x48.6x34xψ3.5

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-45LVN-13P Series		186x62x37.1xψ3.5
HEC-45LVN-25P Series		186x62x37.1xψ3.5



HEC-20LVN-24PSAF



HEC-20LVN-24PSAF



HEC-20LVN-24PSAF

Features

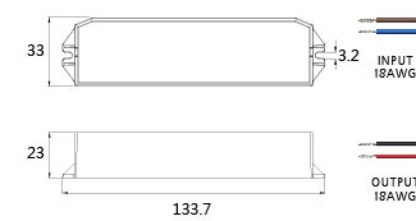
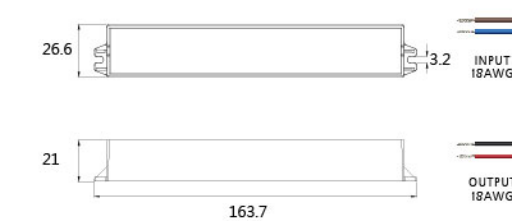
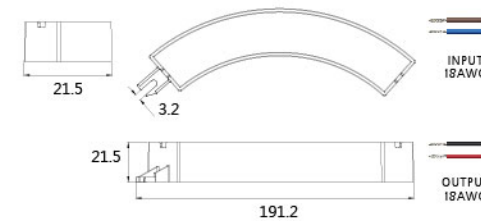
- Customization design for LED wall light
- Various driver appearances
- Class 2 Power Supply
- Isolation Class II (Without grounding)
- PF>0.92
- Protection : OPP/OVP/OCP/SCP
- Universal AC input : Up to 305Vac
- Approved with complete standard for safety and EMC

Specifications

Model	Constant Voltage	Tol.	Max. Load Current	R&N (Vpeak-peak)	Efficiency
HEC-20LVN-24PSC $\text{\textcircled{F}}$	24V	±5%	870mA	3V	80%

Dimension

Model	Dimension (LxWxHxScrew hole)mm
HEC-20LVN-24PSCF	191.2x21.5x21.5xΦ3.2
HEC-20LVN-24PSCF	163.7x26.6x21xΦ3.2
HEC-20LVN-24PSCF	133.7x33x23Φ3.2





HEC-30LVN-12NSAF



HEC-50LVN-12NSAF

Features

- Independent Type LED Driver
- Ultra Slim for 50LVN-12NSAF
- Fully isolated plastic case
- Isolation Class II
- Protection : OCP/OVP/SCP
- Approved with complete standard for safety and EMC

AC input operation voltage range	90-264Vac
MTBF	>43,000hrs @50°C
Operating temperature	A:IP 20 =0°C-40°C, C:IP 67 =0°C-50°C) for 30W A:IP 20 =0°C-50°C) for 50W

CE		FC		SELV	
Safety	Europe	IEC/EN 61347-1		IEC/EN 61347-2-13	
	North America	UL8750	UL1310	UL1012	UL60950-1
EMC	Emission	EN 55015 Class B	EN 61000-3-2/-3-3	FCC 47 Part 15 (Subpart B)	
	Immunity	IEC 61000-4-2-6/-8/-11		EN 61547	

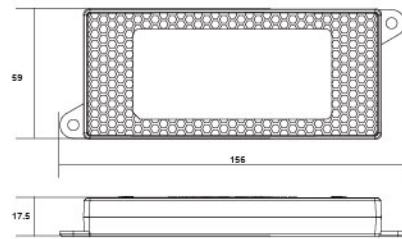
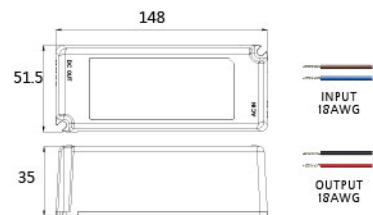
Specifications

Model	Constant Voltage	Tol.	Max Load Current	R&N (Vpeak-peak)	Efficiency
HEC-30LVN-12NSAF	12V	±5%	3A	120mV	85%
HEC-50LVN-12NSAF	12V	±5%	4A	300mV	85%

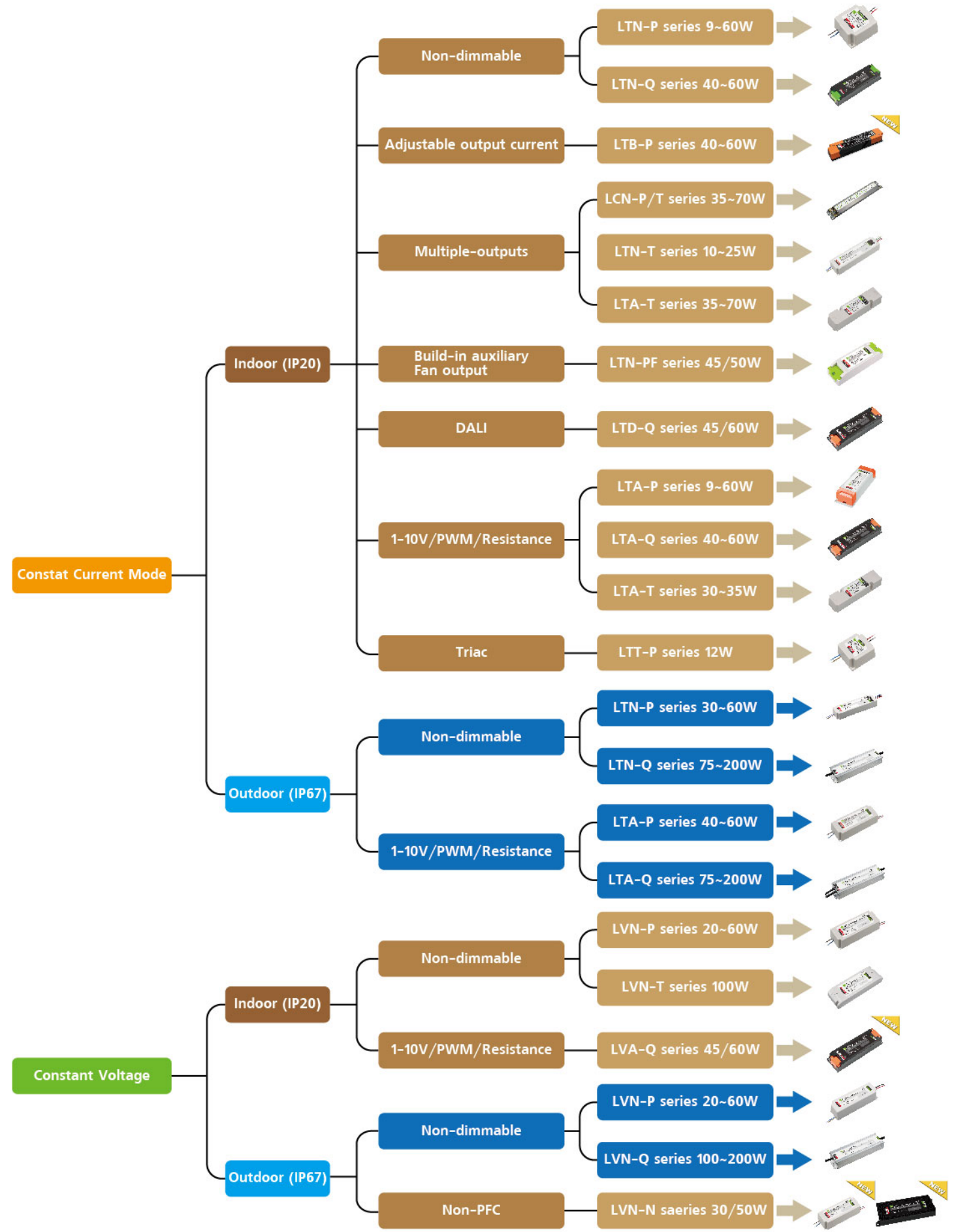
Dimension

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-30LVN-12NSAF Series	IP20 IP67	148x51.5x35mm

Model	IP Level	Dimension (LxWxHxScrew hole)mm
HEC-50LVN-12NSAF Series	IP20	156x59x17.5mm



Product Selection Map





Compucase Enterprise Co.,Ltd.

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Specifications subject change without prior notice.

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