EN

Light that **follows** your **life**

HEP®
control systems

Light that carries responsibility

Human centered, Reduces complexity. Stays reliable.

HEP+ was born out of the conviction that precision serves humanity and that technology must be simple. We have developed a System that understands light not as a product, but as a structured connection between people, space and technology. Not as a showcase for technology, but as a precise, reliable system that provides orientation, reassurance and long-lasting functionality.

Radical simplicity as an HCL enabler

User guidance, scene control and scalable room logic make it possible to intuitively map circadian-effective lighting sequences – Human Centred Control becomes a matter of course, not a feature that requires explanation.

Precision as the basis for reliability

Technical features such as adjustable constant currents, tunable white, protective mechanisms and defined performance parameters form the stable basis on which Human Centred Control functions in a reproducible and standard-compliant manner.

Orientation through reduced complexity

The system platform organises lighting architecture holistically, reduces interfaces and minimises installation and planning effort – complexity is absorbed systemically and not passed on.

Light that respects human rhythm

Stays aligned from morning to night – without intervention

HEP control systems

A good day needs no intervention. Light follows the human rhythm – automatically, spectrally optimised in the 480 nm range, biologically effective in terms of melanopic illuminance and controlled in such a way that it is not brightness that matters, but the spectrum: activating during the day, promoting regeneration at night.

MORNING

You start your day. Stimuli fade, the body finds its rhythm. Light supports the transition – calmly and unobtrusively..

DAY

The day carries you – without demanding attention. Light remains even and stable, even as use, pace or daylight change.

EVENING

The day draws to a close. Light softens. Transitions remain gentle.

Light that defines space

One spatial logic – adaptive through invisible sensing

HEP control systems

Spaces such as lobbies, public authorities, schools or retail environments are used by many people — at different times, in different ways and for varying durations. To remain intuitive and coherent, lighting must follow a stable spatial logic and adapt automatically to presence, usage and activity through integrated sensors.

Changing use. automatic response

Spaces are used in different ways – alone, together, briefly for short or longer periods. Lighting detects presence and duration of use and adjusts intensity and scenes automatically.

Changing roles. Dynamic zoning

Work areas shift in function. Sensors and system logic subtly adapt lighting zones to activity and demand – without manual control.

Changing people. Autonomous orientation.

People change – the space responds autonomously. Light provides orientation through continuous, sensor-based adjustment in the background.

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Scalable by architecture

Consistent system logic. From single rooms to multi-network environments..

Scalability requires defined structural parameters. HEP+ expands through segmentation rather than uncontrolled network growth.

Defined capacity architecture

Each application supports up to 16 independent networks. Every network structures up to 16 rooms with up to 200 devices per room. This segmented framework enables large installations while maintaining predictable system

integration topology

Gateway interfaces enable interoperability with matter and additional ecosystem standards. HEP+ functions as a structured internal lighting infrastructure while remaining compatible with external control environments.

Engineered privacy

Closed system build for low costs and privacy

Local control integrity and Data secruity

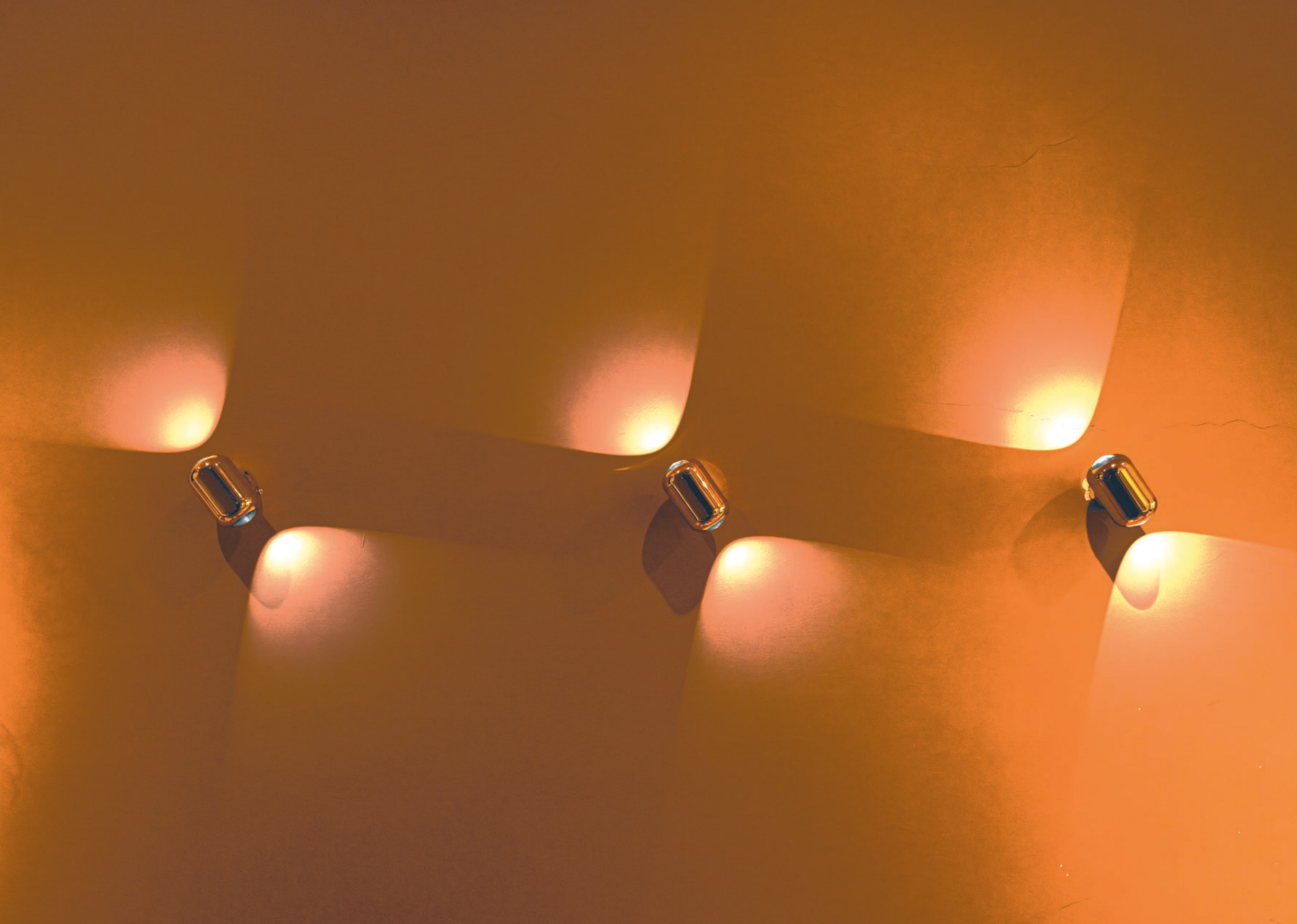
All core control logic operates within the installation. System functionality does not rely on remote servers or evolving ecosystem policies. Operational continuity remains in the hands of the building operator.

Predictable lifecycle behaviour or additional costs

HEP+ is deployed as infrastructure rather than as a service model. This ensures stable, long-term functionality without additional service costs or subscriptions.

25 Years Experience as the fundament

With more than 25 years of experience in LED driver technology and lighting control systems, HEP+ is built on proven engineering expertise. This long-standing technological foundation ensures reliability, performance stability, and future-proof system architecture.



A system that takes responsibility

Decisions handled in the background. Control when intervention needed.

Good systems fade into the background because they take responsibility:. They automate daily routines as standard, make decisions where they can be sensibly delegated, enable desired interventions via peripherals or sensors at any time, and remain freely programmable in every mode - HEP+ is not an operating concept, but a system logic that organises complexity and relieves people.

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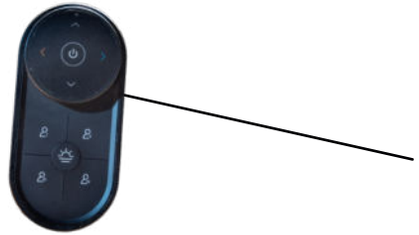
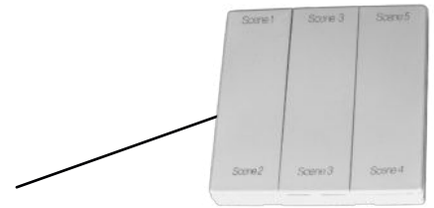


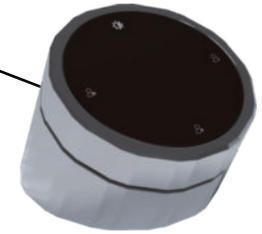
Situational intervention
no configuration



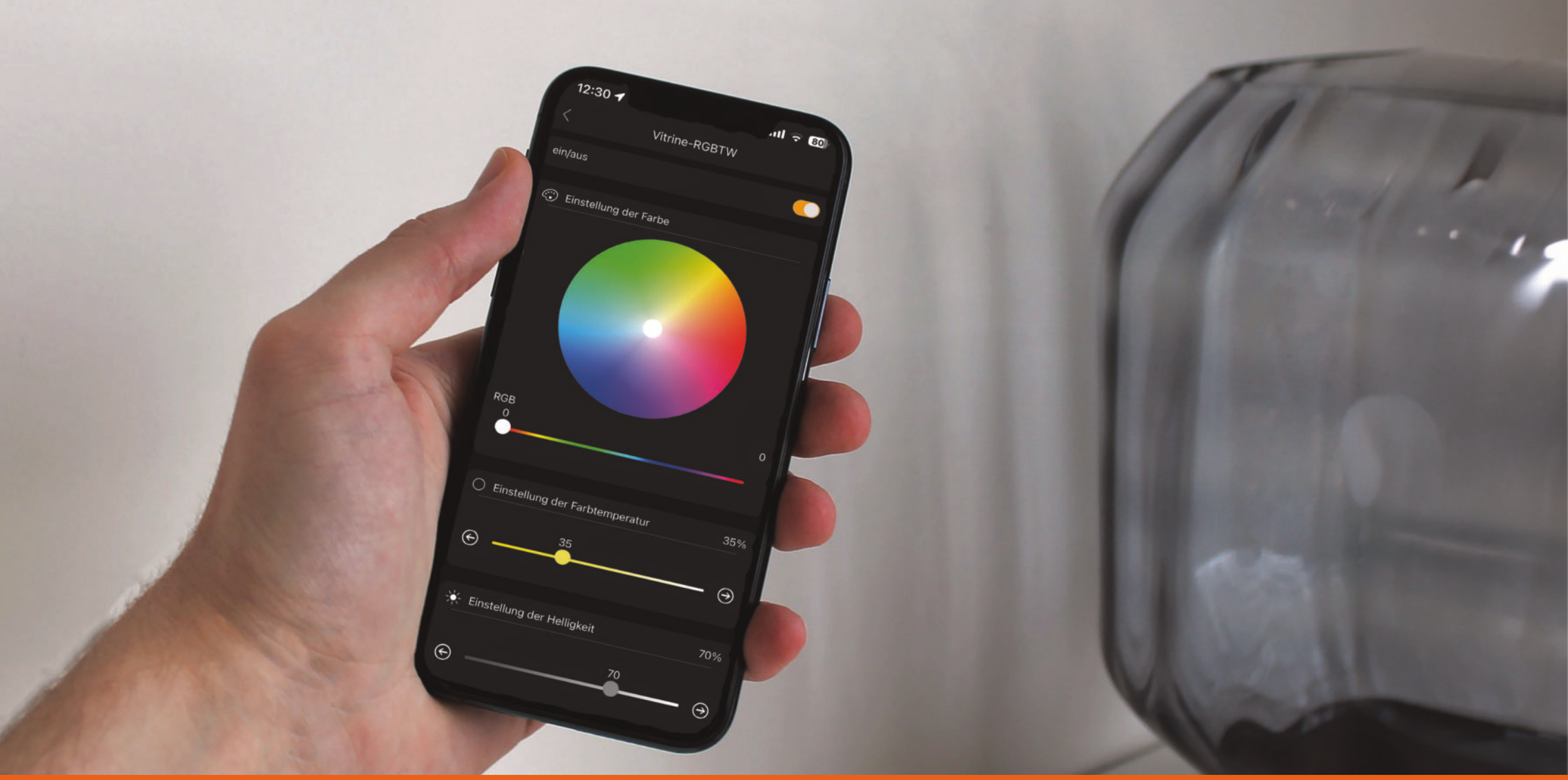
Immediate access
limited and intentional

Status awareness
intervention when required

Movement provides context
the system responds autonomously.



Local precision
only where focus matters

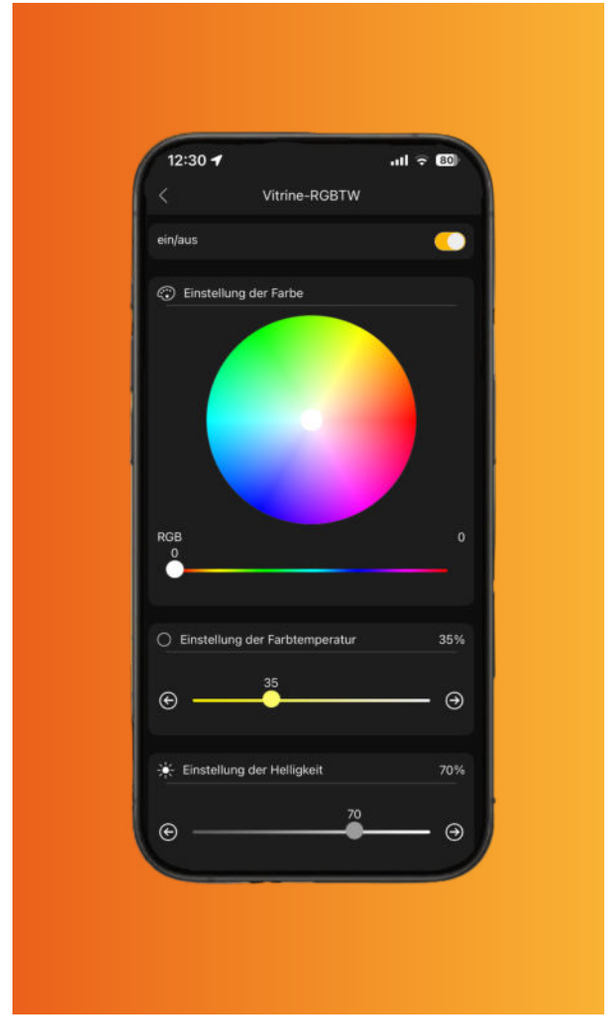


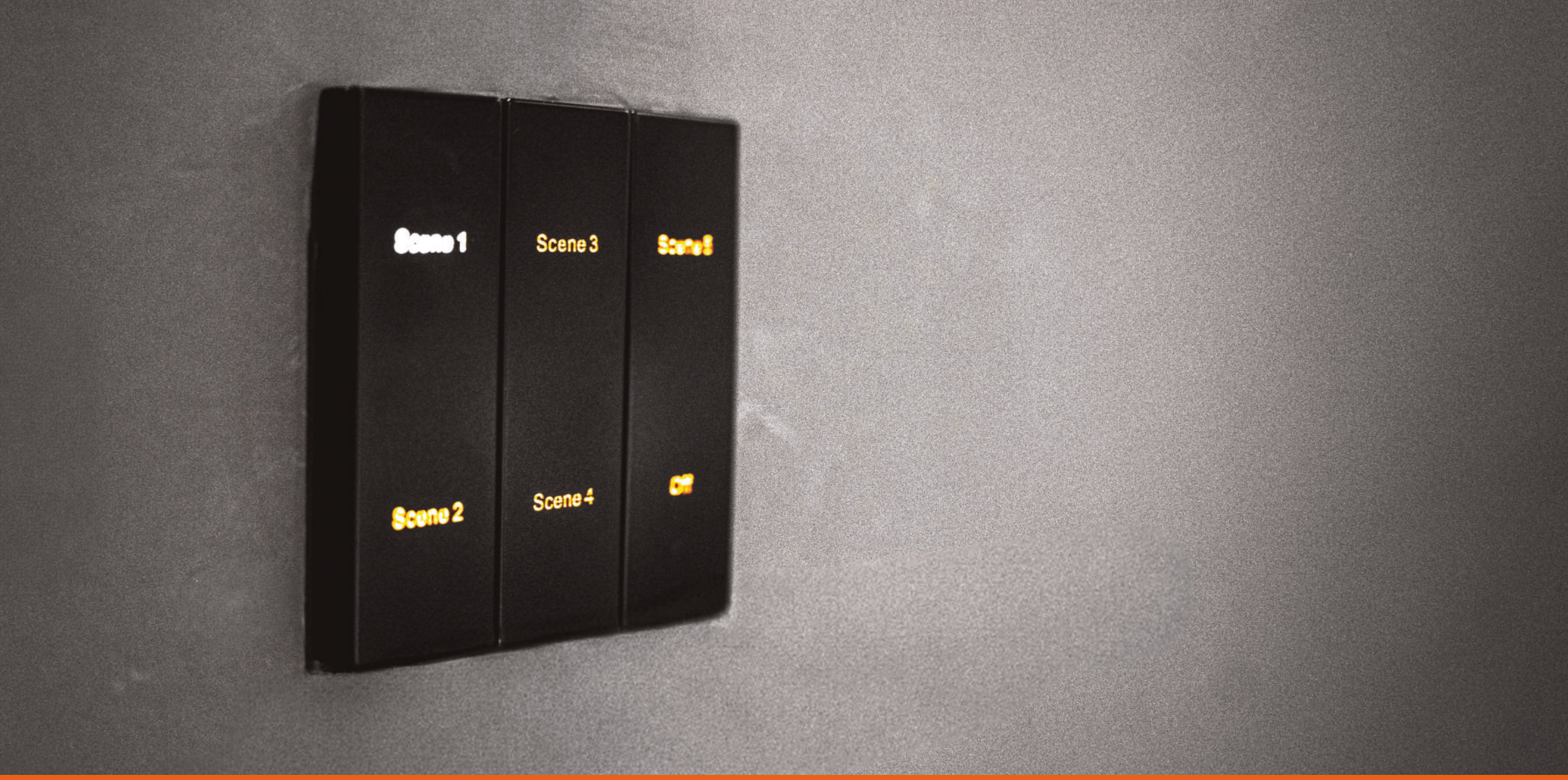
Application

HEP®
control systems

HEP+ CONTROL APP

Platform Compatibility	Apple IOS / Android 8.0 or higher
Communication Type	Bluetooth Mesh
Network Configuration	Multi-network support
Room Structuring	Up to 16 rooms per network
Device Capacity	Up to 200 devices per room
Commissioning Method	App-based pairing & configuration
UX Design	App-based user-centric interface
Wireless Control Interface	Serial Communication
Automation Setup	Presence detection, Day-cycle configuration
User Management	Project-based configuration
System Operation Mode	Local control, no mandatory cloud dependency
Gateway Compatibility	Our Gatesways enable the connection to other systems





Control & Sensors

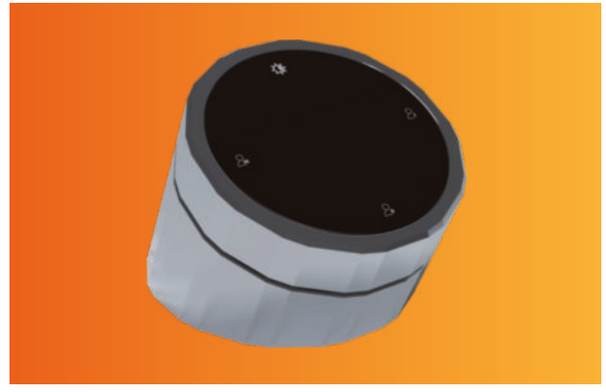
HEP®
control systems

HPS-W6K01

Rated supply voltage	220–240 V
AC voltage range	198–264 V
Mains frequency	50/60 Hz
Stand-By Power	< 0.5 W
Output Channels	2
Output voltage	220–240 V
Switching capacity	300 W per Channel 300 W pro Kanal
Screw terminal	0.75–2.5 mm² / 6-8 mm
Control type	Wireless HEP+
Radio transceiver operating freq.	2.402–2.480 GHz
Max. outp. power radio trans.	< +7 dBm
Operating ambient temp.	0 – +50 °C
Proximity sensor	5.8 GHz
Detection range	< 30 cm - Hand < 80 cm - Body
Operating ambient temp.	0 – +50 °C
Max. case temp. (tc)	70 °C
Operating humidity	10–95 %
Storage temperature range	-20 – +60 °C
Max. number of switching cycles	> 100.000
Type of protection	IP20
Environmental rating	Indoor
Surge transient protection Stoßspannungsfestigkeit	1.0 kV (L–N)
Dimension (L x W x H)	86 x 86 x 33.5 mm

HPS-RCR01S

Power supply	Li-battery USB-Type-C Charqinq port
Control method	Wireless Remote Bluetooth
Control options	Color Temperature, Brightness, Multi-Scene Buttons
Dimensions	Ø 60 x 60 mm



HPS-RCR02F

Power supply	CR 2450
Control method	Wireless Remote Bluetooth
Control options	Color Temperature, Brightness, Multi-Scene Buttons
Dimensions	Ø 60 x 25 mm

Note:
The above specifications are for reference only. Actual product specifications and on-site data shall prevail.

HPS-RCL01B

Operating voltage	3 Vdc
Battery type	CR 2032
Control method	Wireless Remote
Control options	Color Temperature, Brightness, Multi-Scene Buttons
Dimensions	120 x 60 mm

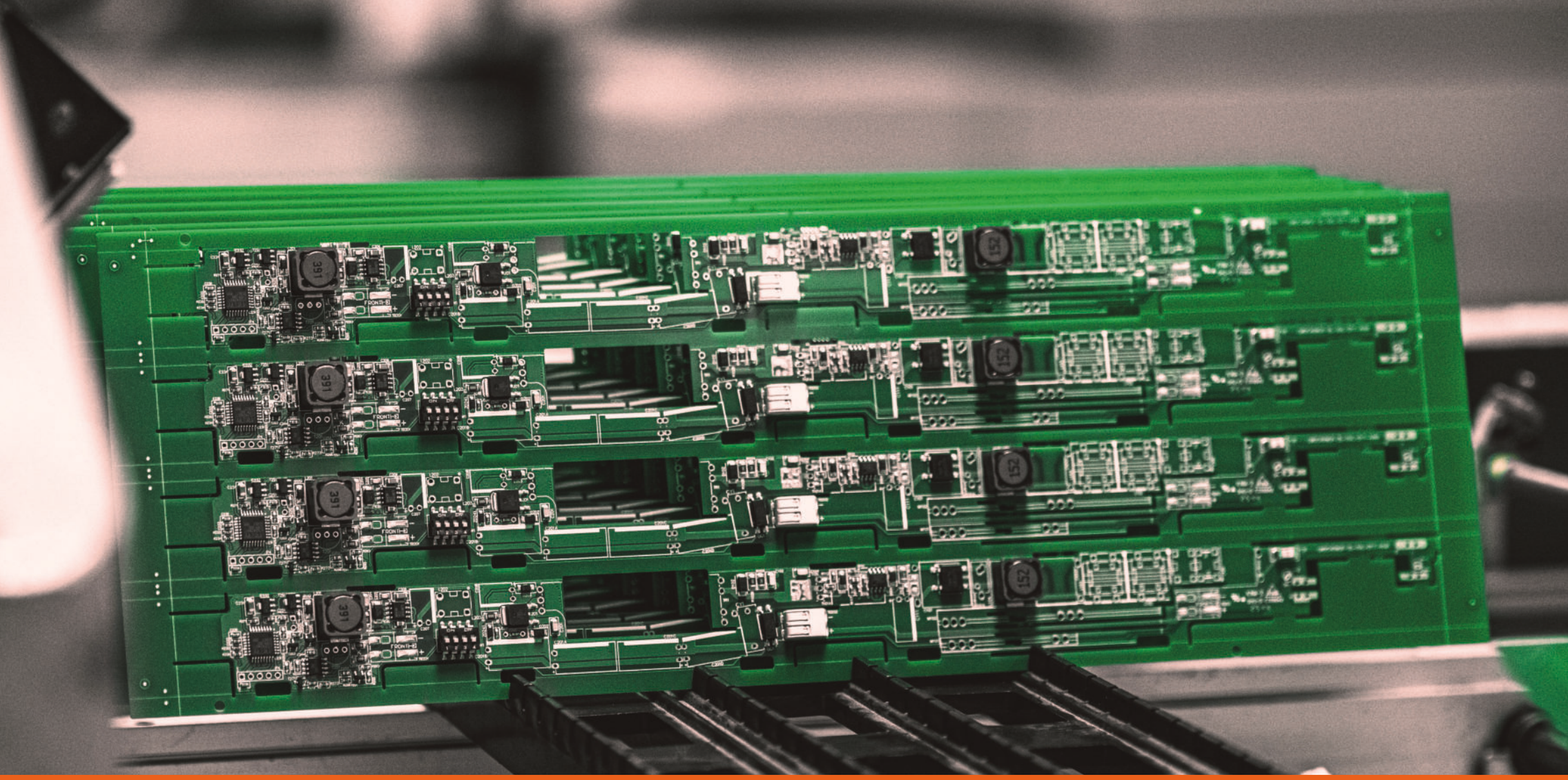
Note:
The above specifications are for reference only. Actual product specifications and on-site data shall prevail.

HPS-MWR01W

Power supply	220−240 Vac, 50/60 Hz
Operating Power Consumption	≤0,5 W (230Vac)
Operating ambient temp.	0 − +50 °C
Storage temperature range	-25 − +80 °C
Type of protection	IP20
Communication type	HEP+ Bluetooth Communication
Sensor Type	active presence microwave detector
RF Operating Frequency	24−24.25 GHz (ISM Band)
Transmitting Power	5 mW max.
Timeout option	20−300 s (Adjustable via APP)
Detection Range	20−100 % (Adjustable via APP)
Illuminance Setting (Environment light Sensor)	When the environmental illuminance change meets the preset illuminance difference value, the sensor immediately reports the environmental illuminance value.
Maximum Sensing Distance	3,5 m (Radius)
Installation Height	recommended height 2−4 m
Dimensions	Ø 65 x 57 mm

HPS-IRB01W

Operation voltage	3 Vdc
Low Voltage Alarm Threshold	2.7 V (± 0.1 V)
Operating Current	≤25 mA
Standby Current	≤15 μA
Operating ambient temp.	-10 ~ +55 °C
Battery Type	CR123A
	> 1 year (based on 20 activations/day)
Communication Type	HEP+ Bluetooth Communication
Sensor Type	passive infrared detection
Transmitting Power	≤15 dBm
Detection Range	4.5 m
Detection Angle	90 °
Installation Method	self-adhesive
Installation Height	recommended height 2.2 m
Dimensions	Ø 48.4 x 53.4 mm



LED Driver

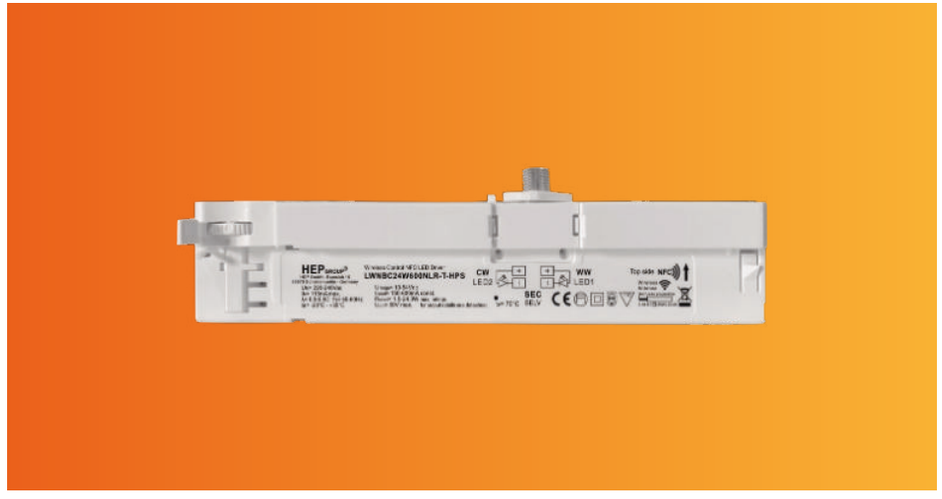
HEP®
control systems

IN-TRACK ADAPTOR

Available in white or black

220–240 V 230.5 x 31x 45.9 mm

Model	Irated	Prated	Urange	PF	Ripple
LWIBC24W600NLR-T-HPS	150 mA	1.5–6.7 W	10–45 Vdc	0.5–0.9C	±5 %
	200 mA	2–9 W	10–45 Vdc		
	250 mA	2.5–11.2W	10–45 Vdc		
	300 mA	3–13.5 W	10–45 Vdc		
	350 mA	3.5–15.7W	10–45 Vdc		
	400 mA	4–18 W	10–45 Vdc		
	450 mA	4.5–20.2 W	10–45 Vdc		
	500 mA	5–22.5 W	10–45 Vdc		
	550 mA	5.5–24.2 W	10–44 Vdc		
	600 mA	6–24 W	10–40 Vdc		



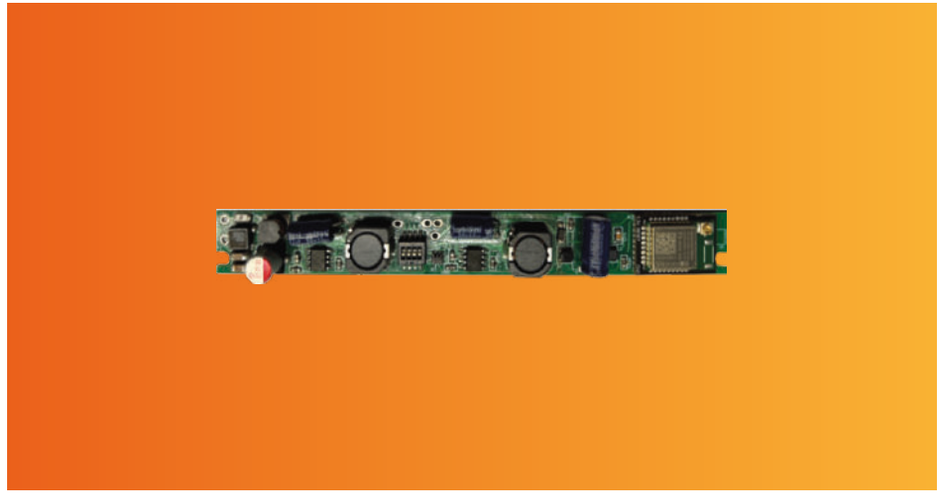
220–240 V 230.5 x 31x 45.9 mm

Model	Irated	Prated	Urange	PF	Ripple
LWIBC40W1000NLR-T-HPS	600 mA	6–27 W	10–45 Vdc	0.5–0.9C	±5 %
	700 mA	7–31.5W	10–45 Vdc		
	800 mA	8–36 W	10–45 Vdc		
	900 mA	9–39.6 W	10–44 Vdc		
	1000 mA	10–40 W	10–40 Vdc		

LV-DC LED DRIVER 48V

220–240 V | 125 x 14.5 x 10.2 mm

Model	Irated	Prated	Urange	Efficiency
G6DIBC28W700CA-T-HPS	100 mA	0.3–4 W	3–40 Vdc	> 90 %
	150 mA	0.5–6 W		
	200 mA	0.6–8 W		
	250 mA	0.8–10 W		
	300 mA	0.9–12 W		
	350 mA	1.1–14 W		
	400 mA	1.2–16 W		
	450 mA	1.4–18 W		
	500 mA	1.5–20 W		
	550 mA	1.7–22 W		
	600 mA	1.8–24 W		
	650 mA	2.0–26 W		
	700 mA	2.1–28 W		



CV DIMMABLE PWM DIMMER

RGBCW |5 channel PWM dimmer

12–48 V | 94 (117.2)x 31x 21mm

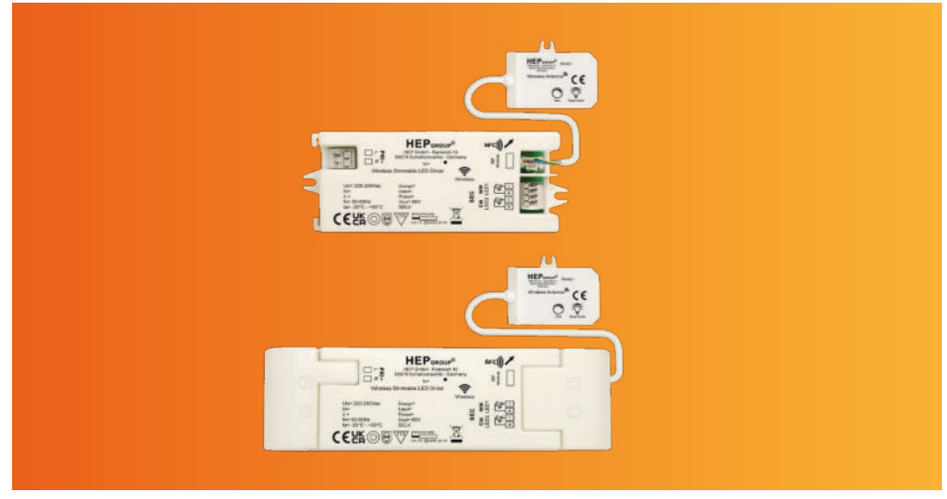
Model	Output voltage	Output power	Output current
LLIBV-F-HPS	12Vdc	0–60 W	5 A max.
	24 Vdc	0–120 W	
	48 Vdc	0 -240 W	

CC DIMMABLE LED DRIVER

built-in or independet | Current adjust via NFC

220–240 V 112.8(141.8)x 43.8 x 30 mm

Model	Irated	Prated	Urange	PF	Ripple
LTWC24W600NLR-T-HPS	150 mA	1.5–6 W	10–40 Vdc	0.6C–0.95	±5 %
	200 mA	2–8 W			
	250 mA	2.5–10 W			
	300 mA	3–12 W			
	350 mA	3.5–14 W			
	400 mA	4–16 W			
	450 mA	4.5–18 W			
	500 mA	5–20 W			
	550 mA	5.5–22 W			
	600 mA	6–24 W			



220–240 V 103.5 (123)x 79 x 30 mm

Model	Irated	Prated	Urange	PF	Ripple
LTWC42W1050NLR-T-HPS	500 mA	5–21W	10–42 Vdc	0.6C–0.95	±5 %
	550 mA	5.5–23.1W			
	600 mA	6–25.2W			
	650 mA	6.5–27.3W			
	700 mA	7–29.4W			
	750 mA	7.5–31.5W			
	800 mA	8–33.6W			
	850 mA	8.5–35.7W			
	900 mA	9–37.8W			
	950 mA	9.5–39.9W			
	1000 mA	10–42W			
	1050 mA	10.5–42W	10–40 Vdc		

CC DIMMABLE LED DRIVER

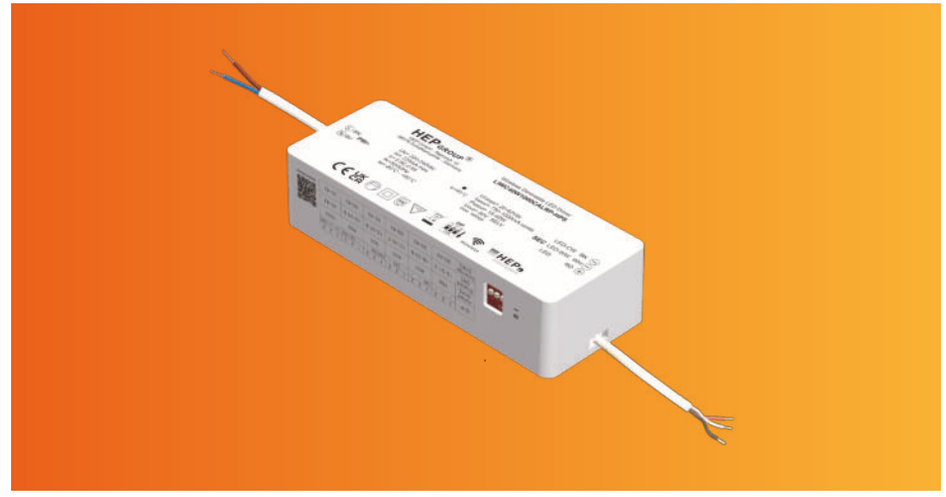
built-in with leads ou | Current adjust via DIP-Switch

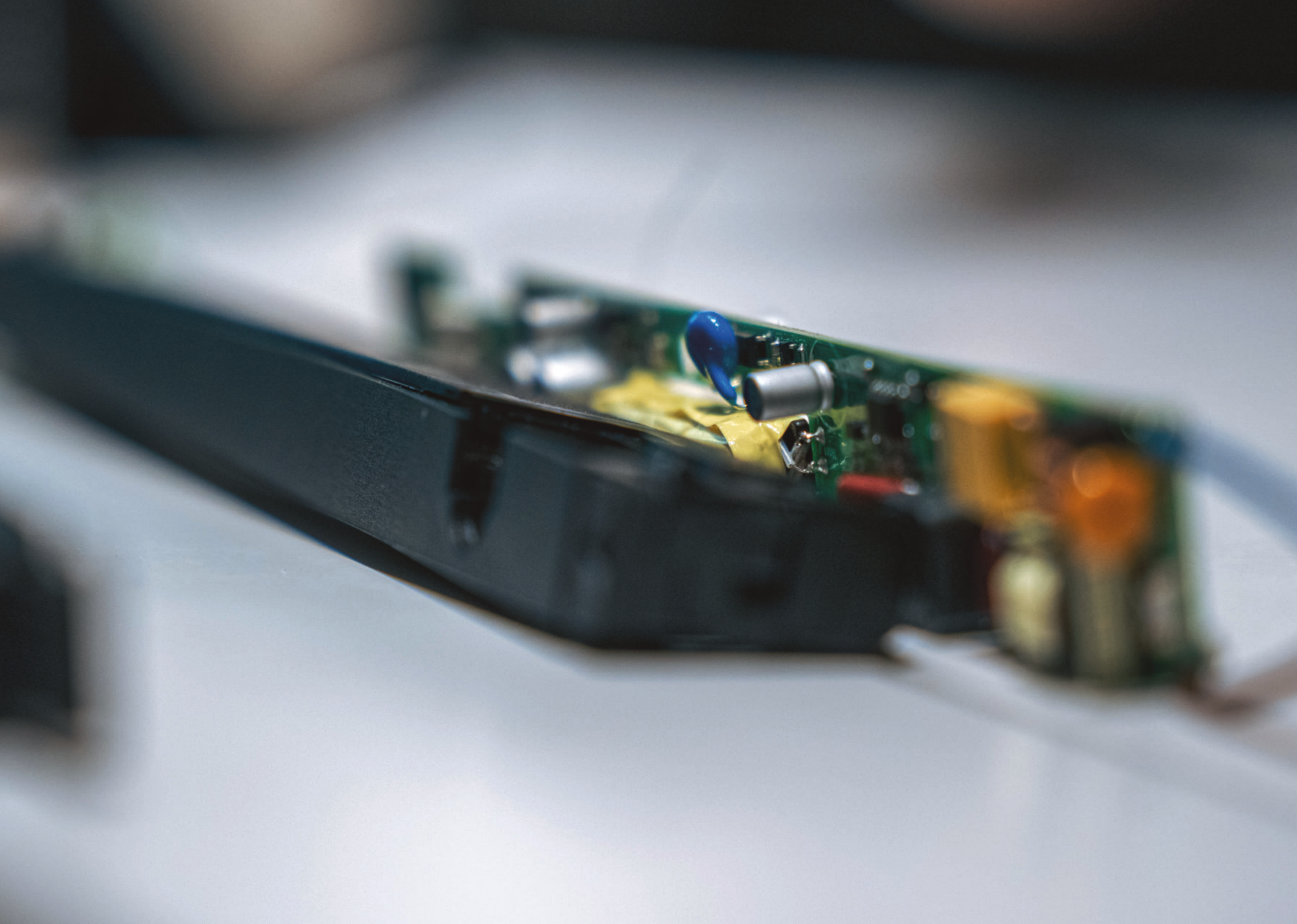
220–240 V 82 x 30 x 20 mm

Model	Irated	Prated	Urange	PF	Ripple
LIWC15W400CALRP-HPS	150 mA	2.3-6.3 W	15 - 42 Vdc	0.9C–0.95	±5 %
	200 mA	3-8.4 W			
	250 mA	3.8-10.5 W			
	300 mA	4.5-12.6 W			
	350 mA	5.3-14.7 W			
	400 mA	6-15.2 W	15 - 38 Vdc		

220–240 V 120 x 45 x 28.50 mm

Model	Irated	Prated	Urange	PF	Ripple
LIWC40W1000CALRP-HPS	150 mA	15-31.5 W	20 - 42 Vdc	0.9C–0.95	±5 %
	200 mA	16-33.6 W			
	250 mA	17-35.6 W			
	300 mA	18-37,8 W			
	350 mA	19-39.9 W			
	400 mA	20-40 W	20 - 40 Vdc		





Accessories

HEP®
control systems

HPS-GW01

Operating voltage	5 Vdc (2 A)
Wireless Standard	HEP+ Bluetooth Mesh
Communication Distance	8–16 m
Operating Temperature Range	-20'C… +45'C
Operating Humidity	0~...80%
Network Type	RJ45
Wi-Fi	Supports 2.4GHz & 5GHz


BRABUS

Notes


Campbell's
CONDENSED
NET WT. 10¼ OZ.
Important! Add whole milk
OYSTER STEW
(WITH GRADE AA BUTTER)
SOUP
Campbell's
CONDENSED
THE ALPHABET SOUP
A B C
VEGETARIAN VEGETABLE
SOUP
Campbell's
CONDENSED
one of the Manhandlers
SCOTCH BROTH
(A HEARTY SOUP)
SOUP
Campbell's
CONDENSED
Tomato-Beef
NOODLE O's
SOUP
Campbell's
CONDENSED
HOT DOG BEAN
SOUP

Notes

HEP easy to light

HEP control systems

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Unsere Vertretungen

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