



PROFESSIONAL SOLUTIONS

LIGHTING SOLUTIONS

The simple Würth LED power supply and control system

DECADES OF MASTERY | TRANSFORMATIONAL RESILIENCE



CONDUCTING SYMPHONIES OF **LIGHT**



Light, air, design language: the perfect trio for the right atmosphere. Understanding rooms, recognizing opportunities, breaking limits, that's your profession. You design interior fittings, furniture, entire scenarios; Würth lends system to your creative sparks. In the truest sense of the word. We know that light is more than brightness, light is a design element, the finish of an interior design masterpiece. With the new LED power supply and control system, we provide you with a means to bring light even into the most complex and diverse lighting concepts.

Learned boundaries and technical limitations no longer apply; new approaches are the new standard. Does that sound like your comfort zone? Then you're ready for Würth.



NO LIMITS TO CLEAR ARRANGEMENTS.

New approach to the minimax principle: the Würth LED power supply and control system EasyLux

It is typical of Würth to simplify complicated matters and add multiply possibilities. And this, of course, also applies to our new LED power supply and control system. The days of highly complicated circuits, meticulous differentiation between 12 volt and 24 volt connections and the search for hiding places for large components are over. With a height of just 16.5 mm, drivers, distributors and control modules can really be placed everywhere. Compact, versatile, self-explanatory: The new plug-in control system for any type of LED lighting can be integrated in interior design plans or furniture design without the help of an electrician. Less hassle, more creativity.

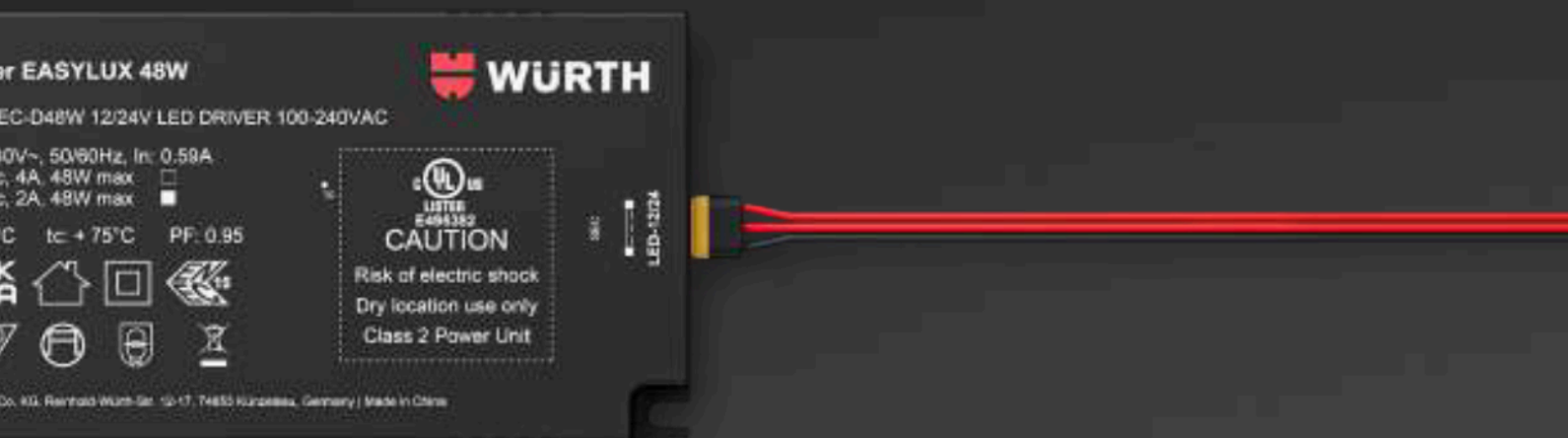
16.5 mm



ONE DEVICE, DUAL VOLTAGE, INFINITELY INDIVIDUAL.

One single driver for voltages of 12 and 24 volts and four or three control modules. One color code, a standardized plug-in system. Sounds easy. And it is. The LED power supply and control system automatically recognizes which voltage is required and transforms the input voltage accordingly. On top, it comes with a comprehensive range of accessories which are available with either a wired or wireless connection.

One driver for both voltages



24 V

24 volt control module

12 V

12 volt control module



PRECISE CONTROL



Colors

RED | **GREEN** | **BLUE**

RGB



WARM

COLD



Groups

1 | **2** | **3** | **4**



BRIGHT | **DARK**

ON  **OFF**

OFF timer

10 SEC – 24 H 

SERIAL CREATIVITY.



Drivers

Versions 18 W to 60 W are suitable for LED lights with 12 V and 24 V.

Versions 72 W to 120 W are suitable for LED lights with 24 V.

18 W

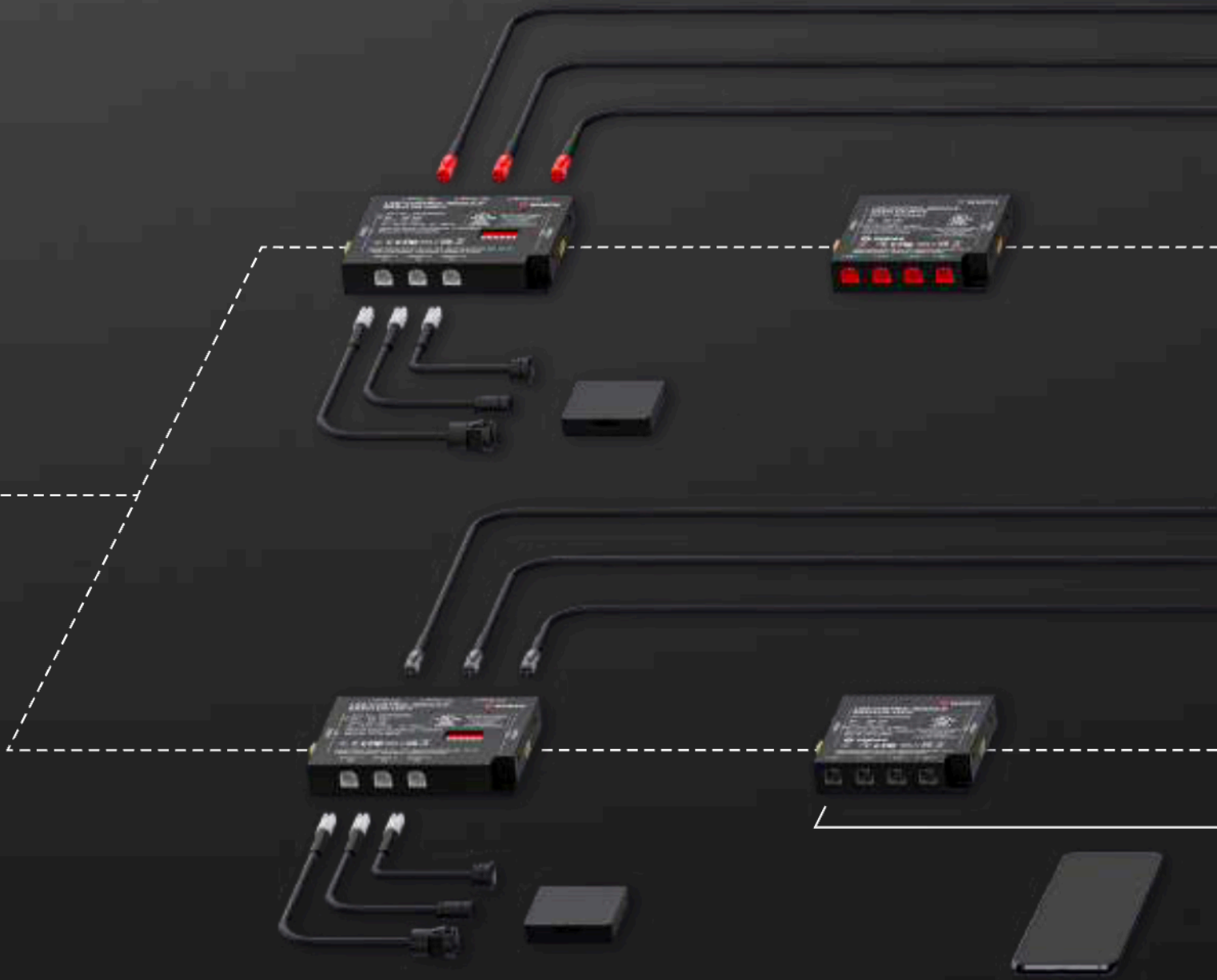
36/48/60 W

72/90/120 W

The logic of beauty

Designed, selected, plugged in. The easy assignment of lighting and control modules by color code and polarity makes the implementation of atmospheric room lighting simple and safe.

The greatest possible freedom of light and design requires the greatest possible freedom of installation. Our "simple and modular" principle not only applies to lights and light strips, but also to necessary accessories such as switches and remote controls. Wired and wireless controllers can be combined with each other and integrated at any point in the lighting system.



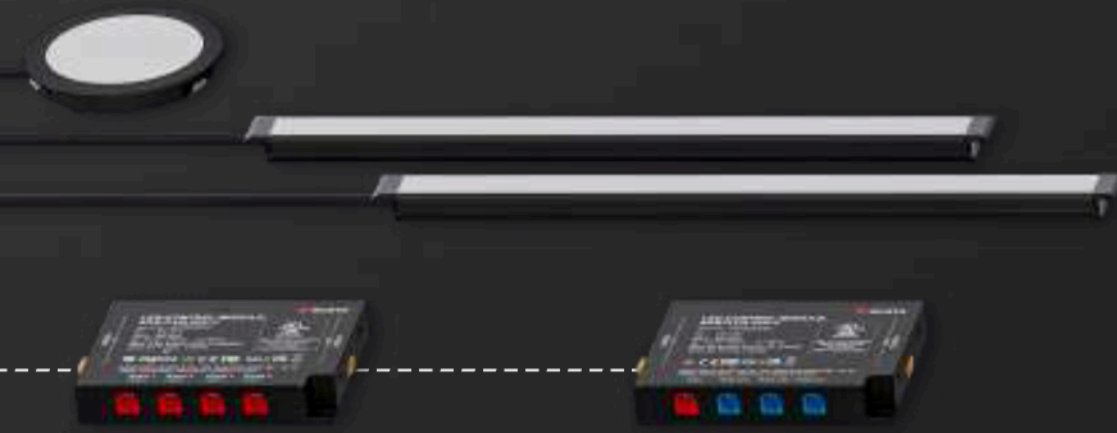
Modules for wired and wireless switches

Almost limitless switching. By operating a simple key switch, IR sensor, door contact or motion sensor. Via radio or cable connection. Via combination or crossover circuits. This module makes everything possible. You can even choose the color temperature and the right time for darkness with the help of the OFF timer.

1-channel wireless modules

One click, many options: The remote control dims, turns lights on and off, and varies the color temperature. Also on several interconnected modules or on modules split into up to four channels. ZigBee is a standard at the smart home? Perfect.

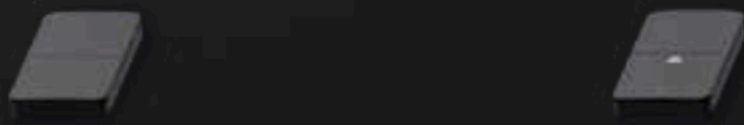




24 V



12 V

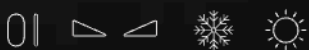


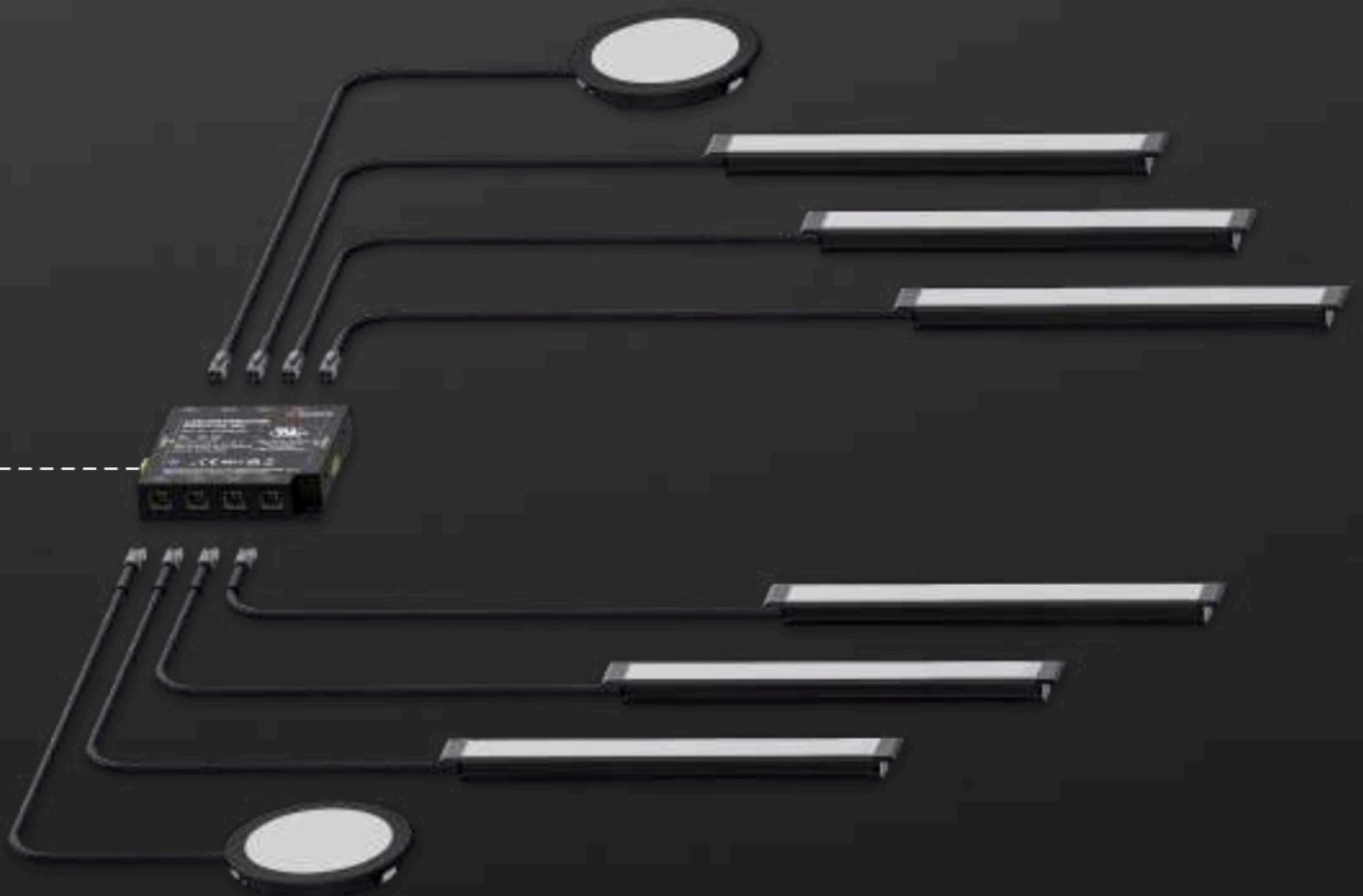
4-channel wireless modules

Very easy, very versatile. Via remote control, you can dim the LED lights individually or jointly, switch them on or off or modulate their color temperature. ZigBee is also a standard in this control module.

RGB (W) wireless module

One module for many purposes. With three outlets for RGB and one for multicolor lights. Dimming, switching on and off as well as adjusting the light colors (RGB) or the color temperature (multicolor) is done via the remote control.





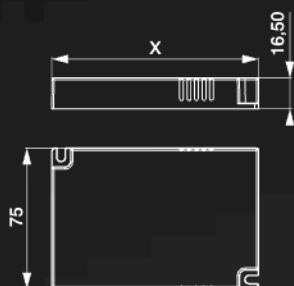
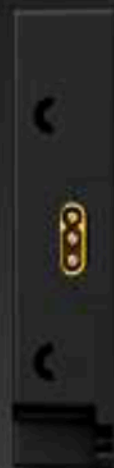
More lights, better distributed

The distributor modules give you eight connection options for your light sources in next to no time. The distributor module is either connected directly to the driver or, if used as a wired distributor module, it can be connected to any control module.

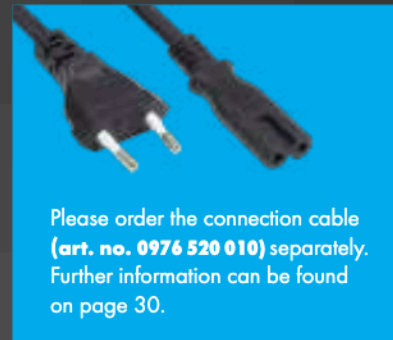
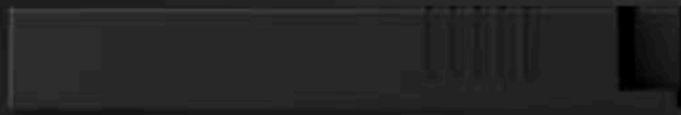
More details about the distributor modules on page 16

EASYLUX

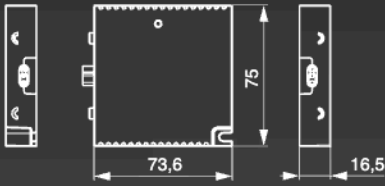
LED DRIVERS



	LED driver 18 W	LED driver 36 W	LED driver 48 W
Art. no.	0976 520 000	0976 520 001	0976 520 002
Input voltage	100-240 V	100-240 V	100-240 V
Output voltage	12 V/DC, 24 V/DC	12 V/DC, 24 V/DC	12 V/DC, 24 V/DC
Output power	18 W	36 W	48 W
Primary type of connection	C8 plug	C8 plug	C8 plug
Secondary type of connection	Amass MR-30-M	Amass MR-30-M	Amass MR-30-M
Number of connections	1	1	1
Housing material	plastic	plastic	plastic
Color of housing	black	black	black
Length (x)	110 mm	160 mm	160 mm
Width	75 mm	75 mm	75 mm
Height	16.5 mm	16.5 mm	16.5 mm
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Protection rating	IP20	IP20	IP20
Protection class	II	II	II
Includes	1 x driver without connection cable	1 x driver without connection cable	1 x driver without connection cable



LED driver 60/72 W	LED driver 90 W	LED driver 120 W
0976 520 003	0976 520 004	0976 520 005
100-240 V	100-240 V	100-240 V
12 V/DC, 24 V/DC	24 V/DC	24 V/DC
60/72 W	90 W	120 W
C8 plug	C8 plug	C8 plug
Amass MR-30-M	Amass MR-30-M	Amass MR-30-M
1	1	1
plastic	plastic	plastic
black	black	black
210 mm	210 mm	210 mm
75 mm	75 mm	75 mm
16.5 mm	16.5 mm	16.5 mm
50/60 Hz	50/60 Hz	50/60 Hz
IP20	IP20	IP20
II	II	II
1 x driver without connection cable	1 x driver without connection cable	1 x driver without connection cable



EASYLUX 12 V, 24 V

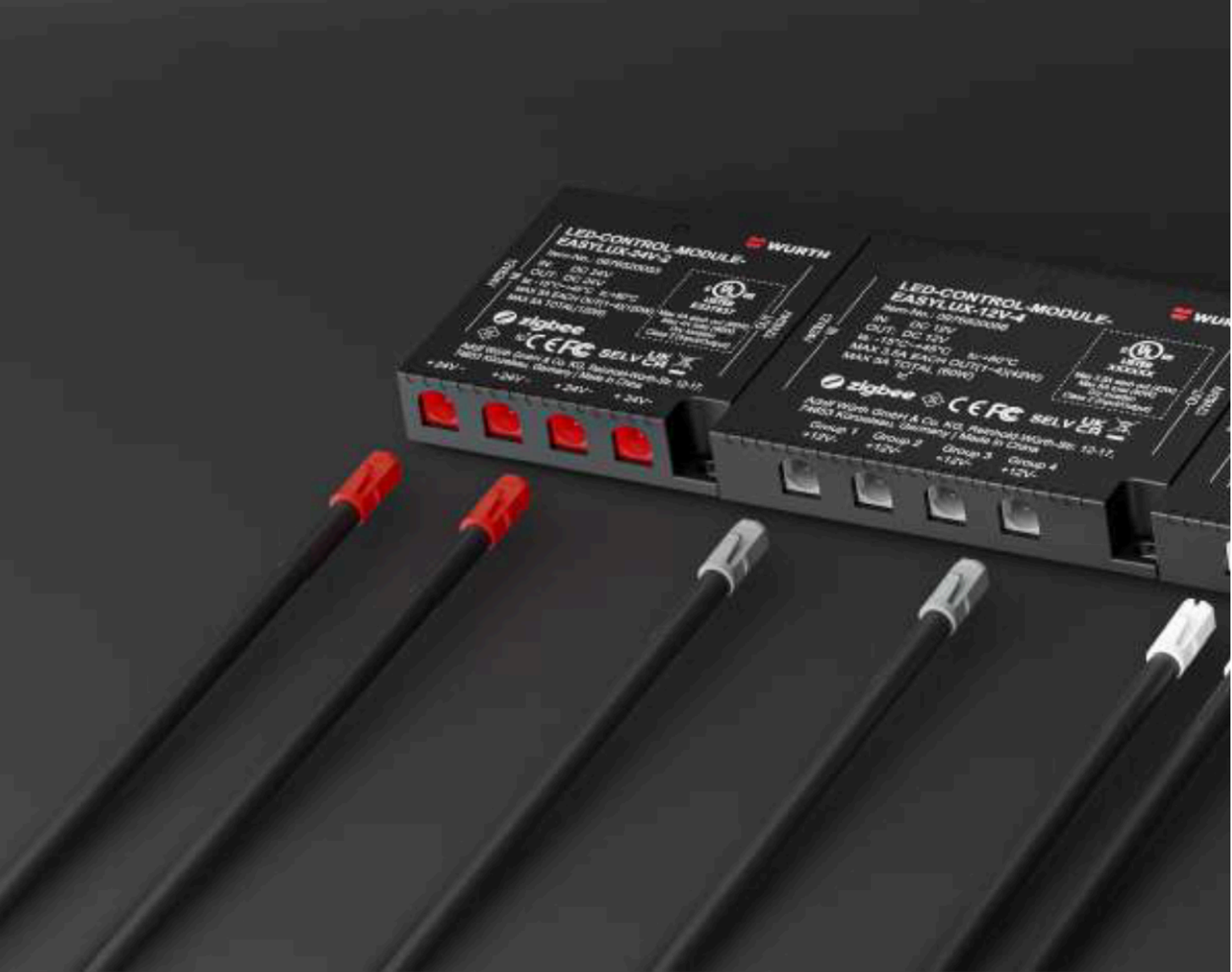
DISTRIBUTOR

MODULES

The EasyLux distributor modules have eight light outlets and are connected with the driver either directly or via a connection cable. The wired distributor modules, too, have eight light outlets each and are intended for the light distribution on the control modules should the light outlets available there not be sufficient.



	Distributor module 12 V	Distributor module 24 V	Wired distributor module 12 V	Wired distributor module 24 V
Art. no.	0976 520 020	0976 520 021	0976 520 040	0976 520 041
Input voltage	12 V/DC	24 V/DC	12 V/DC	24 V/DC
Output voltage	12 V/DC	24 V/DC	12 V/DC	24 V/DC
Maximum intensity of current	5 A	5 A	5 A	5 A
Primary type of connection	Amass MR30-M	Amass MR30-M	plug-in system WPS-12	plug-in system WPS-24
Secondary type of connection	8 x LED output WPS-12	8 x LED output WPS-24	8 x LED output WPS-12	8 x LED output WPS-24
Number of outlets	8	8	8	8
Housing material	plastic	plastic	plastic	plastic
Color of housing	black	black	black	black
Length	73.6 mm	73.6 mm	73.6 mm	73.6 mm
Width	75 mm	75 mm	75 mm	75 mm
Height	16.5 mm	16.5 mm	16.5 mm	16.5 mm
Cable length	–	–	100 mm	100 mm
Protection rating	IP20	IP20	IP20	IP20
Protection class	III	III	III	III





EASYLUX 12 V, 24 V CONTROL MODULES

Easy as pie. Seven control modules simply switch the lights as desired and required.

EASYLUX 12 V, 24 V CONTROL MODULES



	Module 12 V-1	Module 24 V-1	Module 12 V-2
Art. no.	0976 520 050	0976 520 051	0976 520 052
Input voltage	12 V/DC	24 V/DC	12 V/DC
Output voltage	12 V/DC	24 V/DC	12 V/DC
Output power	60 W	120 W	60 W
Maximum intensity of current	5 A	5 A	5 A
Primary type of connection	Amass MR30-FB	Amass MR30-FB	Amass MR30-FB
Secondary type of connection	1 x Amass MR-30M, 6 x LED outlet WPS-12, 3 x switch inlet WPS-WS	1 x Amass MR-30M, 6 x LED outlet WPS-24, 3 x switch inlet WPS-WS	1 x Amass MR-30M 4 x LED outlet WPS-12
Number of outlets	9	9	4
Number of channels	3	3	1
Housing material	plastic	plastic	plastic
Color of housing	black	black	black
Length	98.3 mm	98.3 mm	73.6 mm
Width	75 mm	75 mm	75 mm
Height	16.5 mm	16.5 mm	16.5 mm
Protection rating	IP20	IP20	IP20
Protection class	III	III	III
Wired EasyLux IR/ door contact switch	yes	yes	no
Wired EasyLux PIR sensor	yes	yes	no
Wired EasyLux CAP sensor	yes	yes	no
Wired EasyLux key switch	yes	yes	no
Wireless EasyLux IR sensor	yes	yes	no
Wireless EasyLux door contact sensor	yes	yes	no
Wireless EasyLux motion sensor	yes	yes	no
EasyLux remote control	no	no	yes
ZigBee wireless standard	no	no	yes
Combination circuit	yes	yes	no
OR-circuit	yes	yes	no
Crossover circuit	yes	yes	no
Individual adjustment of color temperature	no	no	yes
4-stage adjustment of color temperature	yes	yes	no
Adjustment of light color (RGB)	no	no	no
OFF timer motion sensor	yes	yes	no
OFF timer door contact switch	yes	yes	no



Module 24 V-2	Module 24 V-3	Module 12 V-4	Module 24 V-4
0976 520 053	0976 520 055	0976 520 056	0976 520 057
24 V/DC	24 V/DC	12 V/DC	24 V/DC
24 V/DC	24 V/DC	12 V/DC	24 V/DC
120 W	120 W	60 W	120 W
5 A	5 A	5 A	5 A
Amass MR30-FB	Amass MR30-FB	Amass MR30-FB	Amass MR30-FB
1 x Amass MR-30M 4 x LED outlet WPS-24	1 x Amass MR-30M, 3 x LED outlet WPS-RGB, 1 x LED outlet WPS-24	1 x Amass MR-30M, 4 x LED outlet WPS-12	1 x Amass MR-30M, 4 x LED outlet WPS-24
4	4	4	4
1	1	4	4
plastic	plastic	plastic	plastic
black	black	black	black
73.6 mm	98.3 mm	98.3 mm	98.3 mm
75 mm	75 mm	75 mm	75 mm
16.5 mm	16.5 mm	16.5 mm	16.5 mm
IP20	IP20	IP20	IP20
III	III	III	III
no	no	no	no
no	no	no	no
no	no	no	no
no	no	no	no
no	no	no	no
no	no	no	no
no	no	no	no
yes	yes	yes	yes
yes	no	yes	yes
no	no	no	no
no	no	no	no
no	no	no	no
yes	yes	yes	yes
no	no	no	no
no	yes	no	no
no	no	no	no
no	no	no	no



LIGHT DESIGN.
MADE EASY.



EASYLUX

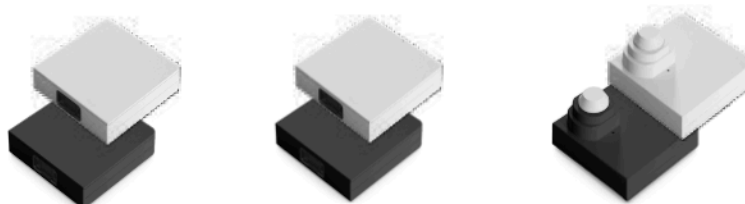
WIRED SWITCHES



	Wired IR sensor	Wired PIR sensor	Wired CAP sensor	Wired key switch
Art. no.	0976 520 070	0976 520 071	0976 520 072	0976 520 073
Type of assembly	to insert	to insert	to screw on	to insert
Input voltage	3.3 V/DC	3.3 V/DC	3.3 V/DC	3.3 V/DC
Connection type	plug-in system WPS-WS	plug-in system WPS-WS	plug-in system WPS-WS	plug-in system WPS-WS
Number of sensors	1	1	1	–
Range	120 mm	3000 mm	30 mm	–
Housing material	plastic	plastic	plastic	plastic
Color of housing	black	black	black	black
Length	16.6 mm	9.8 mm	35.2 mm	21.5 mm
Width	–	–	35.2 mm	–
Height	–	–	7 mm	–
Outer diameter	11.8 mm	15.7 mm	–	16.3 mm
Recess diameter	10 mm	13 mm	–	15 mm
Installation depth	15.6 mm	8.25 mm	–	20 mm
Cable length	2000 mm	2000 mm	2000 mm	2000 mm
Protection rating	IP20	IP20	IP20	IP20
Protection class	III	III	III	III
Switching	yes	yes	yes	yes
Dimming	yes	no	yes	no
Adjusting color temperature	no	no	no	no
Adjusting light color (RGB)	no	no	no	no

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WIRELESS SWITCHES

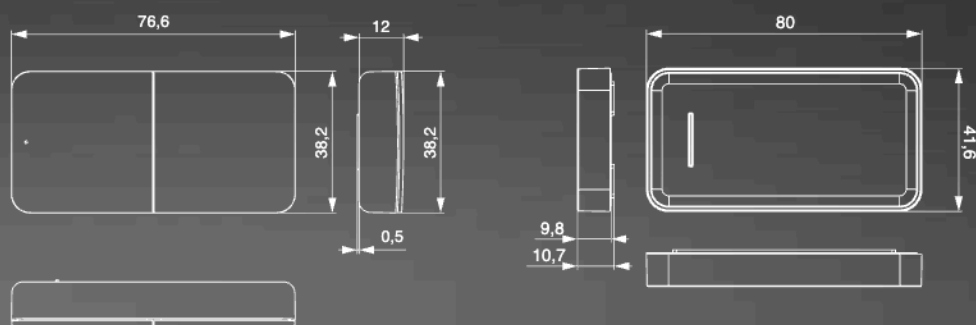


	Wireless IR sensor	Wireless door contact sensor	Wireless motion sensor
Art. no.	white: 0976 520 076 black: 0976 520 075	white: 0976 520 078 black: 0976 520 077	white: 0976 520 080 black: 0976 520 079
Type of assembly	to insert	to insert	to insert
Input voltage	3 V	3 V	3 V
Connection type	wireless	wireless	wireless
Battery type	lithium	lithium	lithium
Radio frequency	2.4 GHz	2.4 GHz	2.4 GHz
Range	120 mm	120 mm	3 m
Housing material	plastic	plastic	plastic
Color of housing	black or white	black or white	black or white
Length	42.8 mm	42.8 mm	42.8 mm
Width	43 mm	43 mm	43 mm
Height	10 mm	10 mm	23 mm
Protection rating	IP20	IP20	IP20
Protection class	III	III	III
Switching	yes	yes	yes
Dimming	yes	no	no
Adjusting color temperature	no	no	no
Adjusting light color (RGB)	no	no	no
Includes	1 x sensor with recessed housing and fastening material	1 x sensor with recessed housing and fastening material	1 x sensor with recessed housing and fastening material

Includes 1 x sensor with fastening material

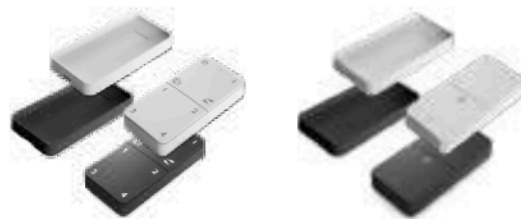
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WIRELESS REMOTE CONTROLS



SIMPLY WIRELESS.

The 12 V-2, 24 V-2, 12 V-4 and 24 V-4 modules can be controlled with the wireless remote controls which can be used as a 1- or 4-channel remote control. The other wireless remote controls operate the 24 V-3 module and adjust the color of RGB lights or the color temperature of multicolor lights.



	Wireless remote control	Wireless remote control RGBW
Art. no.	white: 0976 520 082 black: 0976 520 081	white: 0976 520 088 black: 0976 520 087
Input voltage	3 V	3 V
Connection type	wireless	wireless
Battery type	lithium	lithium
Radio frequency	2.4 GHz	2.4 GHz
Housing material	plastic	plastic
Color of housing	black or white	black or white
Length	76.6 mm	76.6 mm
Width	38.2 mm	38.2 mm
Height	12 mm	12 mm
Protection rating	IP20	IP20
Protection class	III	III
Switching	yes	yes
Dimming	yes	yes
Adjusting color temperature	yes	yes
Adjusting light color (RGB)	no	yes
Includes	1 x remote control incl. mounting plate and fastening material	1 x remote control incl. mounting plate and fastening material

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ACCESSORIES: MODULES AND SWITCHES



	Connection cable between driver and modules	Connection cable between driver and modules	Connection cable between driver and modules	Housing for wired IR/door contact sensor
Art. no.	0976 520 030	0976 520 031	0976 520 032	0976 520 074
Nominal voltage	–	–	–	–
Maximum intensity of current	5 A	5 A	5 A	–
Primary type of connection	Amass MR-30-FB	Amass MR-30-FB	Amass MR-30-FB	–
Secondary type of connection	Amass MR-30-M	Amass MR-30-M	Amass MR-30-M	–
Housing material	plastic	plastic	plastic	plastic
Color	black	black	black	black
Length	–	–	–	24 mm
Width	–	–	–	12.6 mm
Height	–	–	–	12.4 mm
Diameter	–	–	–	–
Cable length	100 mm	500 mm	1000 mm	–
Protection rating	IP20	IP20	IP20	–
Protection class	II	II	II	–
Includes	–	–	–	1 x assembly housing with fastening material



Housing for PIR sensor	Twin mounting plate for wireless remote controls	Blind cover for twin mounting plate
0976 520 089	white: 0976 520 084 black: 0976 520 083	white: 0976 520 086 black: 0976 520 085
–	–	–
–	–	–
–	–	–
–	–	–
plastic	plastic	plastic
black	black or white	black or white
–	80 mm	76.4 mm
–	80 mm	37.9 mm
19.85 mm	9.5 mm	11.8 mm
15.7 mm	–	–
–	–	–
–	–	–
–	–	–
1 x assembly housing with fastening material	1 x mounting plate with fastening material	–

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ACCESSORIES: MODULES AND SWITCHES



	LED connection cable 12 V	LED connection cable 24 V	LED connection cable RGB	LED connection cable WS	
Art. no.	0976 520 095	0976 520 096	0976 520 097	0976 520 098	
Nominal voltage	12 V/DC	24 V/DC	24 V/DC	12 V/DC, 24 V/DC	
Maximum intensity of current	5 A	5 A	5 A	5 A	
Primary type of connection	plug-in system WPS-12	push-fit system WPS-24	plug-in system WPS-RGB	plug-in system WPS-WS	
Secondary type of connection	plug-in system WPS-12	plug-in system WPS-24	plug-in system WPS-RGB	plug-in system WPS-WS	
Housing material	plastic	plastic	plastic	plastic	
Color	black, gray	black, red	black, blue	black, gray	
Length	–	–	–	–	
Width	–	–	–	–	
Height	–	–	–	–	
Cable length	2000 mm	2000 mm	2000 mm	2000 mm	
Protection rating	IP20	IP20	IP20	IP20	
Protection class	III	III	III	III	

EASYLUX

ACCESSORIES

FOR LED DRIVER



	LED adapter, 12 V	LED adapter, 24 V
	0976 520 100	0976 520 101
	12 V/DC	24 V/DC
	3A	3 A
	plug-in system WPS-12	plug-in system WPS-24
	plug-in system LD1	plug-in system LD2
	plastic	plastic
	gray	red
	25.7 mm	25.7 mm
	7.9 mm	7.9 mm
	9.3 mm	8.9 mm
	–	–
	IP20	IP20
	III	III

	Connection cable
Art. no.	0976 520 010
Input voltage	230V
Ausgangsspannung	230V
Maximum intensity of current	2.5 A
Primary type of connection	Europlug
Secondary type of connection	C7 connector
Housing material	Plastic
Color of housing	black
Cable length	2000 mm
Protection rating	IP20
Protection class	II

**CREATIVITY
IN THE SPOTLIGHT.**







LIGHTING SOLUTIONS

The simple Würth LED power supply and control system

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