

2026 CATALOG

Dimmers and Controllers

12 products



Updated October 4, 2026

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Dimmers and Controllers

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PHOTOS



THE SIMPLEST REMOTE CONTROL FOR AN LED STRIP

1-zone remotes supplied with their small controller, wired between the power supply and the strip. RF or infrared for single color white strips, an IP65 outdoor version for gardens and patios, and an RF 2.4 GHz touch remote for common anode RGB/RGBW strips.

FEATURES

- 1 zone, controller included
- RF: no line of sight needed
- Infrared: compact and light
- Outdoor: IP65 receiver, 8 A
- RGB/RGBW: touch screen, 20 modes
- Remembers last setting (RGB/RGBW)

RF · LCREMOTE-RF-1ZONE

Signal	Radio frequency
Voltage	5-24 V DC (label)
Peak current	12 A (label)
Strips	Single color white

INFRARED · LCREMOTE-IR-1ZONE

Signal	Infrared
Voltage	5-24 V DC (label)
Peak current	6 A (label)
Strips	Single color white

OUTDOOR · LCREMOTE-RECEIVER-EXT-IP65

Signal	RF
Voltage	12-24 V DC
Output current	Up to 8 A
Receiver	IP65

RGB/RGBW · LCRGBWCRTL-RF

Signal	RF 2.4 GHz, PWM
Voltage	12-24 V DC (label)
Strips	RGB / RGBW, common anode
Colors · modes	640,000 · 20 modes
Range	Nearly 30 m (packaging)

ORDERING

Build the product code

1 Code

LCREMOTE-RF-1ZONE RF, single color
LCREMOTE-IR-1ZONE infrared, single color
LCREMOTE-RECEIVER-EXT-IP65 outdoor IP65
LCRGBWCRTL-RF RGB/RGBW

EXAMPLE

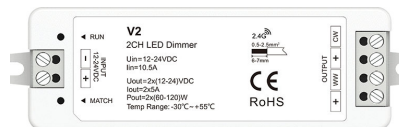
LCREMOTE-RF-1ZONE

1-zone RF remote

PRODUCT RANGE — ALL ACTIVE CODES

Code	Description
LCREMOTE-IR-1ZONE	1-zone infrared remote with connector, single color
LCREMOTE-RECEIVER-EXT-IP65	RF remote + outdoor IP65 receiver kit, 8 A
LCREMOTE-RF-1ZONE	1-zone RF remote with connector, single color
LCRGBWCRTL-RF	1-zone RF 2.4 GHz touch remote + controller, RGB/RGBW

Outdoor kit: preset levels 100%, 50%, 25%, Bright+ / Bright- keys, LIGHT and power.
 LCRGBWCRTL-RF: capacitive touch screen; keeps the last setting at each power-on.



MATCHING REMOTE: LCREMOTE-CCT-4ZONE



CCT RECEIVER FOR THE FOOD DISPLAY LED STRIP

2-channel RF 2.4 GHz receiver for two-color LED strips, designed for the 24 V 16 W/m IP66 food display LED strip (6000K + adjustable red). With the remote, it balances cool white and red to enhance meats, fruits, breads and pastries. It is wired between the 12-24 V power supply and the strip, with no prior setup.

FEATURES

- 2 CCT channels
- 12-24 V DC
- RF 2.4 GHz
- For the 6000K + red food strip
- Butcher, produce, bakery
- No prior setup

ELECTRICAL

Voltage	12-24 V DC
Channels	2 (CCT)
Current per channel	5 A (PI)
Max. power	12 V: < 120 W · 24 V: < 240 W
Signal	RF 2.4 GHz

PHYSICAL

Dimensions	97 × 33 × 18 mm
Operating temperature	-30 °C to +55 °C
Case (max.)	+85 °C
IP rating	IP20
Certification	CE, EMC, RED

COMPATIBILITY

Strip	Food display LED strip 24 V, 6000K + red
Remote	LCREMOTE-CCT-4ZONE (4 zones, 30 m)
Other remotes	LCR6-REMOTE-WH, LCLSACC-W21-CRTL-WH (single color)



2-CHANNEL LED RECEIVER 5 A - RF 2.4 GHZ CCT

LCLP-REC10A-CCT

ORDERING

Build the product code

1 Code

LCLP-REC10A-CCT

EXAMPLE

LCLP-REC10A-CCT

example

PRODUCT RANGE — ALL ACTIVE CODES

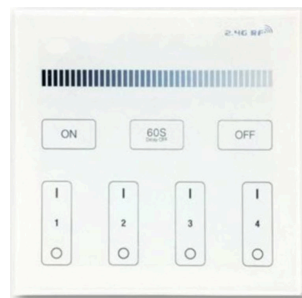
Code	Description
LCLP-REC10A-CCT	2-channel CCT receiver 12-24 V, RF 2.4 GHz

ACCESSORIES

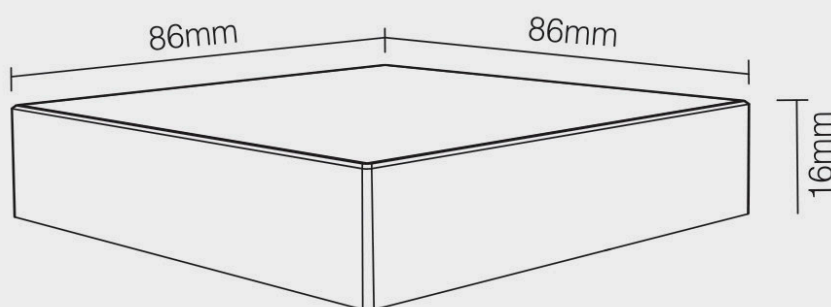
Code	Description	Sold
LCREMOTE-CCT-4ZONE	4-zone remote, CCT	each

Matching remote (PI): RF 2.4 GHz, 30 m range, 4 zones, 2 AAA batteries.

Pairs with the single or dual color RF 2.4 GHz remotes of the same range (LCREMOTE-CCT-4ZONE, LCR6-REMOTE-WH, LCLSACC-W21-CRTL-WH); up to 10 remotes per receiver. RGB/RGBW remotes and the LCMILI battery wall panels do not pair with it.



DIMENSIONS B1 · B4: 86 × 86 × 16 MM



BATTERY TOUCH PANEL, WIRELESS, MAGNETIC MOUNTING

Tempered glass wall panel remotes with capacitive keys, RF 2.4 GHz, on 2 AAA batteries: no wiring. The bracket is fixed to the wall (adhesive or screws) and the panel sits on it magnetically. B1: brightness, 4 zones, with the LCMILI-REC10A-WH receiver. B4 (4 zones) and B8 (8 zones): RGB+CCT; the B8 is used with the LCMILI-REC15A-5IN1 5-in-1 receiver.

FEATURES

- No wiring: 2 AAA batteries
- Magnetic mounting, repositionable
- Tempered glass, capacitive keys
- RF 2.4 GHz, 30 m range
- 4 zones (B1, B4) or 8 zones (B8)
- 60 s delayed off

ELECTRICAL

Signal	RF 2.4 GHz (2400-2483.5 MHz), GFSK
Power	3 V (2 AAA batteries)
Standby consumption	20 µA (B1, B4) · 30 µA (B8)
Range	30 m
Zones	B1, B4: 4 · B8: 8
Dimming	1 to 100%
Delayed off	60 s

COMPATIBILITY

B1	Single color white strips 12 / 24 V · LCMILI-REC10A-WH receiver
B4 · B8	RGB+CCT; B8: LCMILI-REC15A-5IN1 receiver
Receivers	LCMILI series only (not LCLP-...)
Receivers per zone	Unlimited

PHYSICAL

Dimensions B1 · B4	86 × 86 × 16 mm
Dimensions B8	146 × 106 × 20 mm
Face	Tempered glass, capacitive keys
Mounting	Magnetic bracket, adhesive or screws
Operating temperature	-10 to +40 °C (B1, B4) · -20 to +60 °C (B8)

ORDERING

Build the product code

1 Code

LCMILI-CRTL-B1 4 zones, single color

LCMILI-CRTL-B4 4 zones, RGB+CCT

LCMILI-CRTL-B8 8 zones, RGB+CCT

LCMILI-WALLBRACK wall bracket

LCMILI-REC... series receivers

EXAMPLE **LCMILI-CRTL-B4**
4-zone wall remote, RGB+CCT

PRODUCT RANGE — ALL ACTIVE CODES

Code	Description
LCMILI-CRTL-B1	4-zone wall panel remote, single color white
LCMILI-CRTL-B4	4-zone wall panel remote, RGB+CCT
LCMILI-CRTL-B8	8-zone wall panel remote, RGB+CCT
LCMILI-REC10A-RGB	RF 4-zone receiver 10 A, RGB
LCMILI-REC10A-RGBW	RF 4-zone receiver 10 A, RGBW
LCMILI-REC10A-WH	RF 4-zone receiver 10 A, white / CCT
LCMILI-REC15A-5IN1	RF 5-in-1 receiver, 8 zones, 15 A
LCMILI-WALLBRACK	Wall bracket for handheld remote
LCREMOTE-MILI-WH-4Z	4-zone RF handheld remote, white
LCREMOTEMILI-RGBW-4Z	4-zone RF handheld remote, RGBW
LCREMOTEMILI-RGBW-8Z	8-zone RF handheld remote, RGBW

ACCESSORIES

Code	Description	Sold
LCMILI-REC10A-WH	RF 4-zone receiver 10 A, white / CCT	each
LCMILI-REC10A-RGBW	RF 4-zone receiver 10 A, RGBW	each
LCMILI-REC15A-5IN1	RF 5-in-1 receiver, 8 zones, 15 A	each

Pairing: switch the receiver off, wait 10 s, switch it on; within 3 s, press the zone button 3 times. Three slow flashes confirm. To delete: same procedure with a single press.

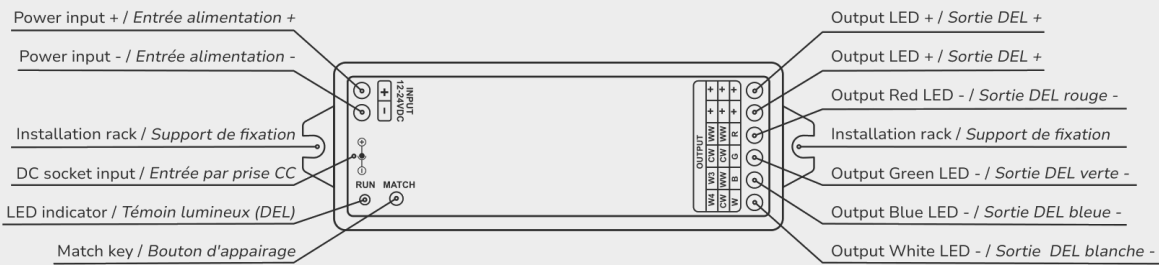
B4 / B8: color (slider on B4, ring on B8), color temperature in white mode or saturation in color mode, white button, dynamic modes and speed +/-.

LCMILI-WALLBRACK wall bracket: stores a handheld remote of the series on the wall.

Receivers and handheld remotes of the same series active in Zoho: see the range.



DIMENSIONS: 114 × 38 × 20 MM



THE UNIVERSAL RECEIVER FOR RF 2.4 GHZ REMOTES

4-channel constant voltage RF 2.4 GHz receiver, wired between the 12 V or 24 V power supply and the LED strip. It accepts single or multi-zone handheld and wall remotes for single color, CCT, RGB and RGBW strips. 0 to 100% dimming over 4096 levels without flicker; relay and synchronization between receivers.

FEATURES

- 4 channels, constant voltage 12-24 V
- Single color, CCT, RGB and RGBW; 10 dynamic modes
- Up to 10 remotes
- 4096 levels, logarithmic curve
- Relay and sync up to 30 m
- Selectable 3 s fade

ELECTRICAL

Input voltage	12-24 V DC
Input current	16.5 A
Output	4 × (12-24) V DC, constant voltage
Current per channel	4 A (6 A max.)
Power per channel	48-96 W
Signal	RF 2.4 GHz
Range	30 m (open space)
Dimming	0-100%, 4096 levels, logarithmic
PWM frequency	1000 Hz (default)

PHYSICAL

Dimensions	114 × 38 × 20 mm
Input	Terminals or DC socket
Strips	Single color, CCT, RGB, RGBW
Remotes	Up to 10 per receiver
Operating temperature	-30 °C to +55 °C
Case (max.)	+85 °C
Protection	Reverse polarity, short circuit
Certification	CE, RoHS, FCC
Warranty	3 years

ORDERING

Build the product code

1 Code

LCLP-REC12A-UNI

EXAMPLE

LCLP-REC12A-UNI

example

PRODUCT RANGE — ALL ACTIVE CODES

Code	Description
LCLP-REC12A-UNI	4-channel receiver 12-24 V, RF 2.4 GHz

ACCESSORIES

Code	Description	Sold
LCLSACC-AMPLIFIER-20A-4CH	4-channel amplifier 5 A, PWM	each
LCR6-REMOTE-WH	4-zone handheld remote, single color	each
LCR8-REMOTE-RGBW	4-zone handheld remote, RGB/RGBW	each
LCLSACC-W21-CRTL-WH	4-zone wall panel remote, single color	each
LCLSACC-W24-CRTL-RGBW	4-zone wall panel remote, RGB/RGBW	each

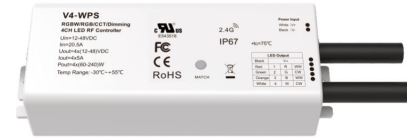
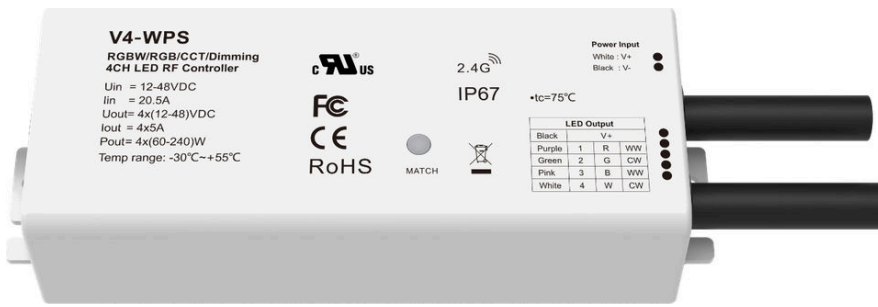
Pairing: short press MATCH, then immediately the on/off or zone button of the remote; the RUN light flashes. Holding MATCH 5 s deletes the pairings.

RGB strip (no white): hold MATCH 15 s to switch to RGB mode.

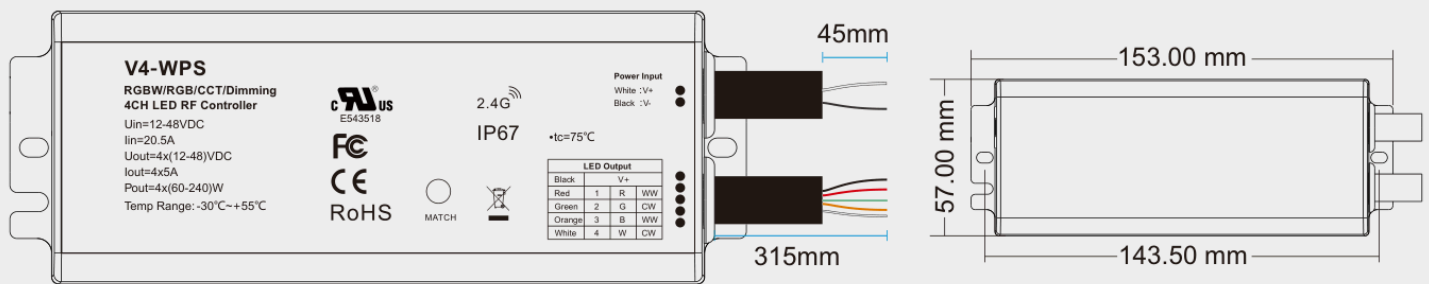
3 s fade: hold MATCH 5 s then press 3 times; back to factory setting (0.5 s): hold MATCH 10 s.

Several receivers: each relays the signal up to 30 m; 15 m max. between receivers indoors. Metal, WiFi routers and microwave ovens reduce the range.

Sold alone; one receiver is included in each R21 and R24 kit. Beyond 4 A per channel (48 W at 12 V, 96 W at 24 V), add the LCLSACC-AMPLIFIER-20A-4CH amplifier.



DIMENSIONS: 153 × 57 × 34 MM · 315 MM CABLES



WATERPROOF RECEIVER FOR OUTDOOR INSTALLATIONS

IP67 waterproof RF 2.4 GHz receiver, 4 constant voltage channels from 12 to 48 V, for outdoor and damp locations. It drives single color, CCT, RGB and RGBW strips with RF 2.4 GHz handheld and wall remotes. Up to 240 W per channel; 0 to 100% dimming over 4096 levels, relay and synchronization between receivers.

FEATURES

- IP67 waterproof, outdoor and damp
- 4 channels, 12-48 V, 5 A per channel
- Single color, CCT, RGB and RGBW
- Up to 10 remotes
- 10 RGB / RGBW dynamic modes
- 5-year warranty

ELECTRICAL

Input voltage	12-48 V DC
Input current	20.5 A
Output	4 × (12-48) V DC, constant voltage
Current per channel	5 A
Power per channel	60-240 W
Signal	RF 2.4 GHz
Range	30 m (open space)
Dimming	0-100%, 4096 levels, logarithmic
PWM frequency	1000 Hz (default) · 1, 2, 4 or 8 kHz

PHYSICAL

Dimensions	153 × 57 × 34 mm
IP rating	IP67
Input wires	White V+ · black V-, 2 × 1.5 mm ² , 315 mm
Output wires	Black V+ · 4 channel wires (1 to 4), 5 × 0.75 mm ² , 315 mm
Operating temperature	-30 °C to +55 °C
Case (max.)	+75 °C
Certification	CE, RoHS, FCC, cURus (E543518)
Warranty	5 years



4-CHANNEL LED RECEIVER 5 A IP67 - RF 2.4 GHZ

LCLP-REC20A-UNI-IP67

ORDERING

Build the product code

1

Code

LCLP-REC20A-UNI-IP67

EXAMPLE

LCLP-REC20A-UNI-IP67

example

PRODUCT RANGE — ALL ACTIVE CODES

Code	Description
LCLP-REC20A-UNI-IP67	Outdoor 4-channel receiver 12-48 V, IP67

ACCESSORIES

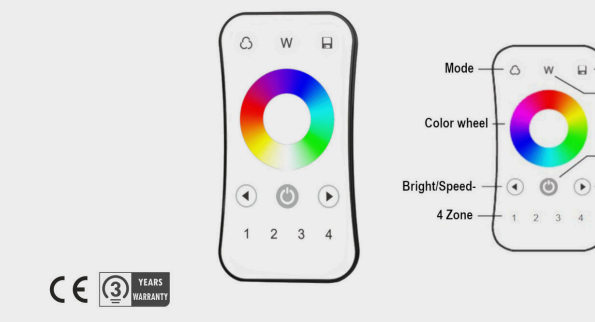
Code	Description	Sold
LCLSACC-AMPLIFIER-20A-4CH	4-channel amplifier 5 A, PWM, 12-36 V (indoor, IP20)	each
LCR6-REMOTE-WH	4-zone handheld remote, single color	each
LCR8-REMOTE-RGBW	4-zone handheld remote, RGB/RGBW	each
LCLSACC-W21-CRTL-WH	4-zone wall panel remote, single color	each
LCLSACC-W24-CRTL-RGBW	4-zone wall panel remote, RGB/RGBW	each

RGB strip (no white): hold MATCH 15 s to switch to RGB mode.
Outputs: channel 1 = R or warm white, 2 = G or cool white, 3 = B or warm white, 4 = W or cool white, depending on the strip type.
Compatible remotes (single color, dual color or RGB/RGBW of the same range): LCR6-REMOTE-WH, LCR8-REMOTE-RGBW, LCREMOTE-CCT-4ZONE, LCLSACC-W21-CRTL-WH, LCLSACC-W24-CRTL-RGBW.





RGB/RGBW REMOTE: 107 × 58.5 × 9 MM



RF 2.4 GHZ WIRELESS CONTROL OF LED STRIPS, ZONE BY ZONE

Handheld RF 2.4 GHz remotes for 12 V or 24 V LED strips: single color white (R6, R21), RGB/RGBW (R8, R24), CCT and 8-zone RGBW. Each zone drives one or more receivers, up to 30 m. The R21 and R24 kits ship with one LCLP-REC12A-UNI 4-channel receiver already paired (one zone); the other remotes are added to an existing receiver.

FEATURES

- RF 2.4 GHz, 30 m range
- 4 independent zones (8 for the 8-zone RGBW)
- Touch wheel: brightness or color
- Scenes saved across all 4 zones
- R21 / R24 kits: paired receiver
- CR2032 or 2 AAA battery, 1 year standby

ELECTRICAL

Signal	RF 2.4 GHz
Power	3 V: CR2032 battery (R6, R8, R21, R24) · 2 AAA batteries (CCT 4 zones, RGBW 8 zones)
Working current	< 5 mA
Standby current	< 10 µA
Standby time	1 year
Range	30 m (open space)
Zones	4 (8: LCREMOTE-RGBW-8ZONE)
Brightness	10 steps or 256 levels

COMPATIBILITY

R6 · R21	Single color white strips 12 / 24 V
R8 · R24	RGB and RGBW strips 12 / 24 V
CCT 4 zones	CCT strips
RGBW 8 zones	RGB / RGBW receivers; magnet on the back
Receivers	LCLP-REC12A-UNI, LCRECEPTWIFI-LC, LCLP-REC20A-UNI-IP67; CCT: also LCLP-REC10A-CCT

ORDERING

Build the product code

1 Code

LCR6-REMOTE-WH single color, remote only
LCR8-REMOTE-RGBW RGB/RGBW, remote only
LCR21-REMOTE-WH single color kit
LCR24-REMOTE-RGBW RGB/RGBW kit
LCREMOTE-CCT-4ZONE CCT 4 zones
LCREMOTE-RGBW-8ZONE RGBW 8 zones

EXAMPLE

LCR24-REMOTE-RGBW

RGB/RGBW remote + receiver kit

PHYSICAL

Dimensions R6 / R8	107 × 58.5 × 9 mm
Dimensions CCT 4 zones	122 × 53 × 17.5 mm
Dimensions RGBW 8 zones	141 × 50 × 17.5 mm
Operating temperature	-30 °C to +55 °C
IP rating	IP20
Certification	CE, EMC, LVD, RED (R6, R8)
Warranty	3 years

PRODUCT RANGE — ALL ACTIVE CODES

Code	Description
LCR21-REMOTE-WH	Remote + receiver kit, single color white
LCR24-REMOTE-RGBW	Remote + receiver kit, RGB/RGBW
LCR6-REMOTE-WH	4-zone remote, single color white (remote only)
LCR8-REMOTE-RGBW	4-zone remote, RGB/RGBW (remote only)
LCREMOTE-CCT-4ZONE	4-zone remote, CCT (tunable white)
LCREMOTE-RGBW-8ZONE	8-zone remote, RGBW

ACCESSORIES

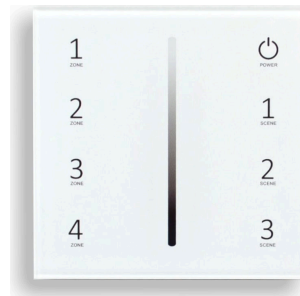
Code	Description	Sold
LCLP-REC12A-UNI	4-channel receiver 12-24 V, RF 2.4 GHz	each
LCLP-REC20A-UNI-IP67	Outdoor 4-channel receiver 12-48 V, IP67	each
LCRECEPTWIFI-LC	5-channel WiFi controller (WiFi-RF bridge)	each
LCLSACC-AMPLIFIER-20A-4CH	4-channel amplifier 5 A, PWM	each
LCLSACC-W21-CRTL-WH	4-zone wall panel remote, single color	each
LCLSACC-W24-CRTL-RGBW	4-zone wall panel remote, RGB/RGBW	each

Pairing: connect the power supply and the strip to the receiver, press MATCH (the RUN light flashes), then a zone button on the remote; a second flash confirms. Holding MATCH 5 s deletes all pairings.

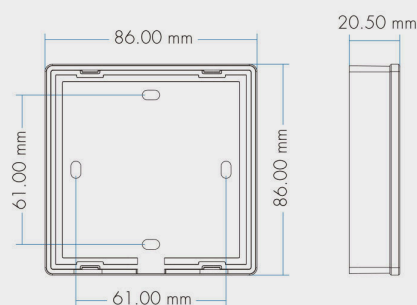
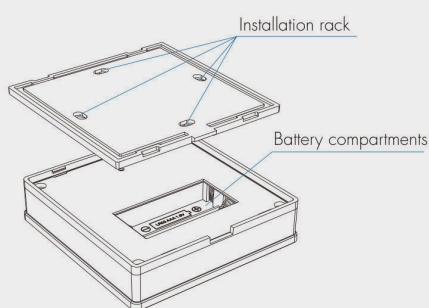
Zone: short press = turn on and select; hold 2 s = turn off; several zones can be selected together. Scene: hold 2 s = save, short press = recall.

W button (R8, R24): on an RGBW strip, turns the white channel on or off and sets its brightness; on an RGB strip, blends the color toward white.

More zones or one more zone: add one LCLP-REC12A-UNI receiver per zone; beyond one receiver's load, add an LCLSACC-AMPLIFIER-20A-4CH amplifier.



DIMENSIONS: 86 × 86 × 20.5 MM · WALL MOUNTING, 2 SCREWS (61 MM SPACING)



WIRELESS GLASS TOUCH PANEL FOR 4 ZONES OF LED STRIPS

Glass touch panel wall remote, RF 2.4 GHz, controlling up to 4 zones of LED strips like a wall switch. W21: brightness of single color white strips. W24: RGB color and white channel of RGB/RGBW strips. Powered by 2 AAA batteries, no wiring; it controls one or more receivers per zone, up to 30 m.

FEATURES

- Glass touch panel
- 4 independent zones
- RF 2.4 GHz, 30 m range
- No wiring, removable
- Scene recall per zone
- Surface mounting: screws or adhesive

ELECTRICAL

Signal	RF 2.4 GHz
Power	3 V DC (2 AAA batteries)
Working current	< 5 mA (< 20 mA when adjusting)
Standby current	< 20 µA
Standby time	1 year
Range	30 m (open space)
Zones	4

COMPATIBILITY

W21	Single color white strips 12 / 24 V
W24	RGB and RGBW strips 12 / 24 V
Not compatible	Pixel strips
Receivers	LCLP-REC12A-UNI, LCLP-REC20A-UNI-IP67, LCRECEPTWIFI-LC

ORDERING

Build the product code

1 Code

LCLSACC-W21-CRTL-WH single color white

LCLSACC-W24-CRTL-RGBW RGB / RGBW

EXAMPLE

LCLSACC-W24-CRTL-RGBW

4-zone RGB/RGBW wall remote

PHYSICAL

Dimensions	86 × 86 × 20.5 mm
Face	Glass touch panel
Mounting	On the wall, 2 screws or adhesive; removable
Operating temperature	-20 °C to +55 °C
Case (max.)	+65 °C
IP rating	IP20
Certification	CE, RoHS
Warranty	3 years

PRODUCT RANGE — ALL ACTIVE CODES

Code	Description
LCLSACC-W21-CRTL-WH	4-zone wall panel remote, single color white
LCLSACC-W24-CRTL-RGBW	4-zone wall panel remote, RGB/RGBW

ACCESSORIES

Code	Description	Sold
LCLP-REC12A-UNI	4-channel receiver 12-24 V, RF 2.4 GHz	each
LCRECEPTWIFI-LC	5-channel WiFi controller (WiFi-RF bridge)	each
LCLSACC-AMPLIFIER-20A-4CH	4-channel amplifier 5 A, PWM	each
LCR6-REMOTE-WH	4-zone handheld remote, single color	each
LCR8-REMOTE-RGBW	4-zone handheld remote, RGB/RGBW	each

Pairing: press MATCH on the receiver (the RUN light flashes), then one of the 4 zone buttons; a second flash confirms. Holding MATCH 5 s deletes all pairings.

W21: +/- keys in steps or continuously over 256 levels. W24: color wheel, W button (white channel of RGBW strips), effect speed +/- over 10 levels.

Zone: short press = on; hold 2 s = off.



PHOTOS



CONTROL A LOW-VOLTAGE LED STRIP RIGHT ON THE WIRE

In-line controls for low-voltage LED strips and fixtures, wired between the power supply and the load: 9-24 V rotary dimmer, 12/24 V rocker and touch switches, touch sensor and infrared motion sensor. They turn a circuit on, off or dim it without a remote or receiver.

FEATURES

- Rotary dimmer 0-100%, 2 A
- Rocker and touch switches, 3 A
- Touch sensor: on, off, brightness
- Infrared motion sensor
- 12 V and 24 V DC
- Black or white

ROTARY DIMMER · LCDIM-ROUL

Voltage	9-24 V DC
Max. current	2 A, 1 channel
Dimming	0-100%, rotary
Standby consumption	1 W
Temperature	-20 °C to +60 °C

SWITCHES · SWITCH / TOUCH

Voltage	12 / 24 V DC
Max. current	3 A (36 W at 12 V, 72 W at 24 V)
Function	On / off
Connection	Male and female connectors (touch)

TOUCH SENSOR · BLUE-TOUCH

Voltage	12 / 24 V DC
Max. current	3 A
Function	On, off, brightness

MOTION SENSOR · V1

Voltage	12-24 V DC
Detection	Infrared
Max. current	6 A

ORDERING

Build the product code

1 Code

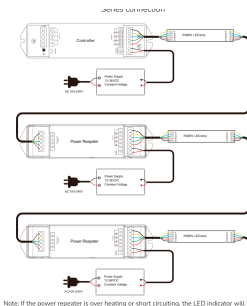
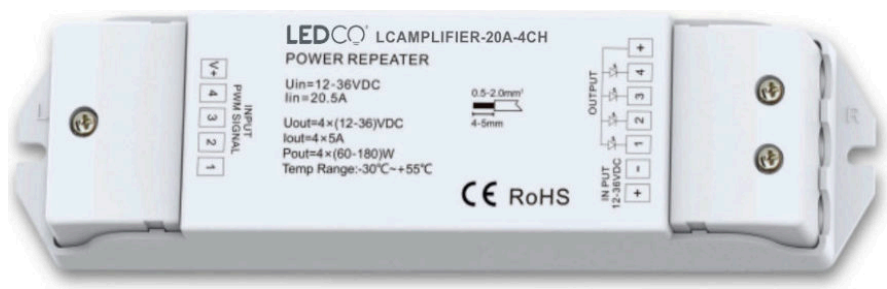
LCDIM-ROUL-9V24V-BK / -WH rotary
 LCLSACC-SWITCH-ON-OFF-BK / -WH rocker
 LCLSACC-TOUCH-ON-OFF-BK / -WH touch
 LCLSACC-BLUE-TOUCH touch sensor
 LCMOTIONDECT-V1 motion

EXAMPLE **LCDIM-ROUL-9V24V-BK**
 black rotary dimmer

PRODUCT RANGE — ALL ACTIVE CODES

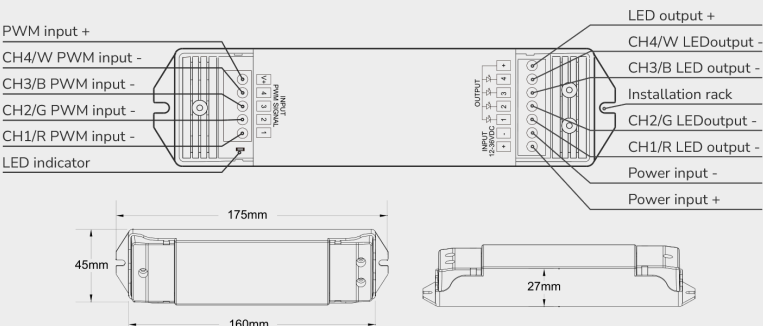
Code	Description
LCDIM-ROUL-9V24V-BK	Rotary dimmer 9-24 V, 2 A, black
LCDIM-ROUL-9V24V-WH	Rotary dimmer 9-24 V, 2 A, white
LCLSACC-BLUE-TOUCH	Touch sensor 12/24 V, 3 A
LCLSACC-SWITCH-ON-OFF-BK	Rocker switch 12/24 V, 3 A, black
LCLSACC-SWITCH-ON-OFF-WH	Rocker switch 12/24 V, 3 A, white
LCLSACC-TOUCH-ON-OFF-BK	Touch switch 12/24 V, 3 A, black
LCLSACC-TOUCH-ON-OFF-WH	Touch switch 12/24 V, 3 A, white
LCMOTIONDECT-V1	Infrared motion sensor 12-24 V

Rotary dimmer: turn right to increase, left to decrease. Wire between the power supply and the load without any short circuit.
 Motion sensor: for stairs, hallways, closets and storage; it turns the lighting on when someone passes.



Note: If the power repeater is over heating or short circuiting, the LED indicator will blink.

DIMENSIONS: 175 × 45 × 27 MM



EXTEND AN INSTALLATION BEYOND THE RECEIVER'S LOAD

4-channel power repeater: it takes the PWM signal from a receiver output and sends it to a new section of strip, powered by its own 12-36 V power supply. The strip answers the same remote, with the same brightness, colors and effects, with no pairing. Series or parallel connection, unlimited chaining.

FEATURES

- PWM signal input, no pairing
- 4 channels × 5 A, 60-180 W per channel
- 3 kV optoelectronic isolation
- Series or parallel, unlimited chaining
- Single color, CCT, RGB and RGBW
- 12, 24 or 36 V DC

ELECTRICAL

Input voltage	12-36 V DC
Input current	20.5 A
Input signal	PWM
Output	4 × (12-36) V DC, constant voltage
Current per channel	5 A
Power per channel	60-180 W
Isolation	3 kV optoelectronic
Strips	Single color, CCT, RGB, RGBW

PHYSICAL

Dimensions	175 × 45 × 27 mm
Weight	0.120 kg
IP rating	IP20
Operating temperature	-30 °C to +55 °C
Case (max.)	+85 °C
Protection	Reverse polarity, over-heat, short circuit
Certification	CE, RoHS, FCC
Warranty	3 years

ORDERING

Build the product code

1 Code

LCLSACC-AMPLIFIER-20A-4CH

EXAMPLE

LCLSACC-AMPLIFIER-20A-4CH

example

PRODUCT RANGE — ALL ACTIVE CODES

Code	Description
LCLSACC-AMPLIFIER-20A-4CH	4-channel amplifier 12-36 V, 5 A per channel, PWM

ACCESSORIES

Code	Description	Sold
LCLP-REC12A-UNI	4-channel receiver 12-24 V, RF 2.4 GHz	each
LCLP-REC20A-UNI-IP67	Outdoor 4-channel receiver 12-48 V, IP67	each
LCRECEPTWIFI-LC	5-channel WiFi controller	each

Wiring: PWM signal input on the receiver output, power input on a dedicated power supply, output to the strip.

Flashing light: check for a short circuit or over-heating on the powered section.

Power by voltage: 60 W per channel at 12 V, 120 W at 24 V, 180 W at 36 V (5 A per channel).

When to add the amplifier: as soon as one channel exceeds the receiver's load, i.e. 4 A per channel for LCLP-REC12A-UNI (48 W at 12 V, 96 W at 24 V), 3 A for LCRECEPTWIFI-LC, 5 A for LCLP-REC20A-UNI-IP67.



SPI RECEIVER: DATA / CLK OUTPUT



ANIMATED EFFECTS PIXEL BY PIXEL

Remote and receiver kit dedicated to LEDCO RGBW Pixel LED strips. The receiver drives each addressable segment of the strip: color waves, moving rainbow, twinkle, progressive fill, strobe, or dimmable static color. It is wired between the power supply and the Pixel strip, following the signal direction marked on the board.

FEATURES

- For RGBW Pixel LED strips only
- Addressable animated effects
- RF 2.4 GHz remote
- SPI output (DATA, CLK)
- Dimmable static color
- Ceilings, bars, showcases, stage

ELECTRICAL

Input voltage	5-24 V DC
Input current	8 A max.
Output	SPI signal (DATA, CLK)
Remote signal	RF 2.4 GHz
Pixels	Up to 1024
IC chips	49 types, R/G/B/W order adjustable
Effects	40 dynamic modes

COMPATIBILITY

Strips	LED CO RGBW Pixel LED only
Not compatible	White, CCT, COB, Dim-to-Warm, standard RGB/RGBW
Operating temperature	-30 °C to +55 °C

PHYSICAL

Receiver	97 × 33 × 18 mm
Case (max.)	+65 °C
IP rating	IP20
Certification	CE, RED

ORDERING

Build the product code

1 Code

LCREMOTE-RGBW-PIXEL

EXAMPLE

LCREMOTE-RGBW-PIXEL

example

PRODUCT RANGE — ALL ACTIVE CODES

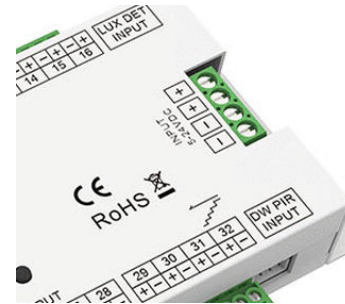
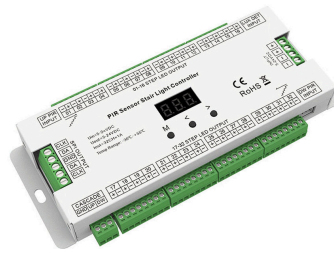
Code	Description
LCREMOTE-RGBW-PIXEL	Remote + SPI receiver kit for RGBW Pixel strip

Supported IC chips include WS2811, WS2812, WS2813, WS2815, SK6812 (RGBW), SK9822, UCS1903, TM1814B (RGBW), UCS8904B (RGBW), SM16703P.

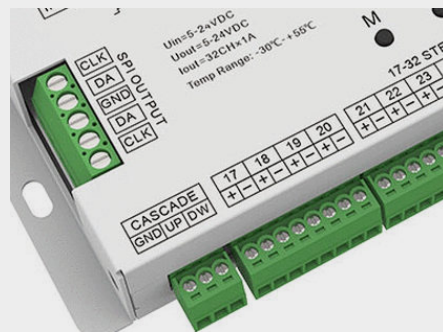
Standard strips: use the W21 / R21 (white) or W24 / R24 (RGB and RGBW) remotes.

Size the power supply for the total strip power and follow the IC signal direction marked on the board.

32 Channels / Dual Sensor
 (5-24V DC) / (1A per channel)



HOUSING: 186 × 86 × 25.5 MM



STEPS LIGHT UP ONE BY ONE AS YOU PASS

32-channel constant voltage stair controller, 5-24 V DC, 1 A per channel: one white strip per step, up to 32 steps. Two motion sensors (top and bottom) start the sequence, a light sensor prevents it in daylight. Two SPI outputs also drive addressable digital strips, and two controllers can be chained for more than 32 steps.

FEATURES

- 32 channels × 1 A, 5-24 V DC
- 2 motion sensors, 5 m extensions
- Light sensor included
- 2 SPI outputs for addressable strips
- 4 modes, speed and brightness in 8 steps
- Chain 2 controllers

ELECTRICAL

Input and output voltage	5-24 V DC
Outputs	32 channels × 1 A, constant voltage
Power per channel	5-24 W
Digital outputs	2 × SPI (TTL)
Detection	Up to 3 m, 20 to 40° angle
Power supply needed	≥ 1.25 × strip power

PHYSICAL

Housing	186 × 86 × 25.5 mm
IP rating	IP20
Operating temperature	-30 °C to +55 °C
Case (max.)	+85 °C
Protection	Over-heat, short circuit
Certification	CE, EMC, LVD
Warranty	5 years



ORDERING

Build the product code

1 Code

LCCTRL-ESC-32CH-PIR

EXAMPLE

LCCTRL-ESC-32CH-PIR

example

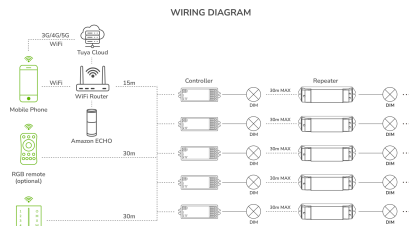
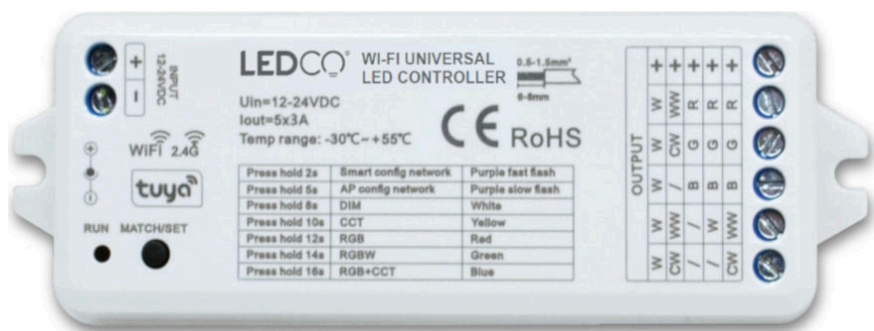
PRODUCT RANGE — ALL ACTIVE CODES

Code	Description
LCCTRL-ESC-32CH-PIR	32-channel stair controller, 2 motion sensors + light sensor

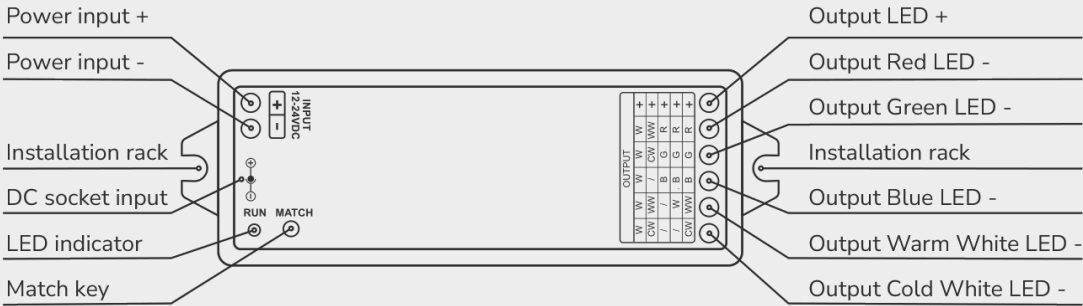
Included: the controller with display and 3 buttons, 2 motion sensors with 5 m extensions, 1 light sensor.

Settings: 4 modes, speed and brightness in 8 steps, self-test, disabling of a damaged channel.

Order separately: the power supply and the strip.



DIMENSIONS: 114 × 38 × 20 MM



LED STRIPS CONTROLLED BY PHONE, VOICE OR REMOTE

5-in-1 controller with 5 constant voltage channels, 12-24 V, for single color, CCT, RGB, RGBW and RGB+CCT strips. It is controlled with the Tuya Smart mobile app (2.4 GHz WiFi), by voice, or with RF 2.4 GHz remotes. It also works as a WiFi-RF bridge: the app controls other RF receivers of the installation.

FEATURES

- 5-in-1: single color, CCT, RGB, RGBW, RGB+CCT
- Tuya Smart app, 2.4 GHz WiFi
- Voice control
- Optional RF 2.4 GHz remotes
- WiFi-RF bridge to other receivers
- Timer, delay, scenes

ELECTRICAL

Input voltage	12-24 V DC
Input current	15.5 A
Output	5 × (12-24) V DC, constant voltage
Current per channel	3 A
Power per channel	36-72 W
Control	Tuya app + RF 2.4 GHz
RF range	30 m (open space)
Dimming	0-100%, 4096 levels, logarithmic
PWM frequency	1000 Hz (default)

PHYSICAL

Dimensions	114 × 38 × 20 mm
Input	Terminals or DC socket
WiFi	2.4 GHz only (no 5 GHz)
Operating temperature	-30 °C to +55 °C
Case (max.)	+85 °C
Protection	Reverse polarity, over-heat, short circuit
Certification	CE, RoHS
Warranty	3 years

ORDERING

Build the product code

1

Code

LCRECEPTWIFI-LC

EXAMPLE

LCRECEPTWIFI-LC

example

PRODUCT RANGE — ALL ACTIVE CODES

Code	Description
LCRECEPTWIFI-LC	5-channel WiFi controller 12-24 V, WiFi + RF 2.4 GHz

ACCESSORIES

Code	Description	Sold
LCR6-REMOTE-WH	4-zone handheld remote, single color	each
LCR8-REMOTE-RGBW	4-zone handheld remote, RGB/RGBW	each
LCLSACC-W21-CRTL-WH	4-zone wall panel remote, single color	each
LCLSACC-W24-CRTL-RGBW	4-zone wall panel remote, RGB/RGBW	each
LCLP-REC12A-UNI	4-channel RF 2.4 GHz receiver (driven by the bridge)	each
LCLSACC-AMPLIFIER-20A-4CH	4-channel amplifier 5 A, PWM	each

The strip type is set with the SET key before connecting the app and the remote.
App: on/off, RGB color, color temperature, brightness, delay, timer, scenes and music mode. Voice control: Amazon Alexa, Google Assistant.
Keep the controller close to the router; the router must broadcast on 2.4 GHz and the network must not be hidden.
3 s fade: hold MATCH 5 s then press 3 times; back to factory setting (0.5 s): hold MATCH 10 s.