

LT20 RGB+W

Special Series 20W

RGB + White 4 in 1 LED Tape



<390 LM PER/M	20W PER/M	24V PARALLEL
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RGB+W 4 in 1 LED Tape features an additional "White" Channel in 3000K Warm White or 4000K Natural White.

STANDARD

IP67



TECHNICAL

INPUT VOLTAGE	24V DC
WATTAGE	20W per/m
CURRENT DRAW	0.83A per/m
LIFESPAN	50,000 hours
BEAM ANGLE	120°
DRIVER	Not included, specify according to wattage/current
AVAILABLE IN	Standard IP20: RGB + 3000K Warm White or 4000K Natural IP67 Exterior / Wet Area: RGB + 3000K Warm White or 4000K Natural
WARRANTY	5 Year Warranty
APPLICATION	Interior and Exterior linear lighting

DIMENSIONS



Cut Increments

100mm (60 Diodes per/m)

Please Note:

Always calculate cut lengths according to minimum cut increments of LED tape.

Tape Width

Standard: 12mm

IP67: 14mm

Tape Height

Standard: 2.0mm

IP67: 4.8mm

IP67 Silicon End Cap 16mm
Can be trimmed.

Recommended Run Lengths

Single feed: 5m
Dual Feed: 5-10m

10m+: Split into 5m increments with invisible joins and use multiple drivers / repeaters for unlimited run lengths.

****Note: 10m length with a single feed will have slight voltage drop at the end of the tape. Best practice for long runs is to configure the circuit with dual power feeds (e.g. feed from both ends) for reduced voltage drop if possible. Do not power LED strip with two drivers, single power supply only.**

AVAILABLE IN IP20

CODE	COLOUR TEMP	LUMENS	DESCRIPTION
LT20 RGBW	3000K + RGB	R:100lm G:360lm B:90lm W:390lm	20W RGB+W LED tape (specify length when ordering)
LT20 RGBN	4000K + RGB	R:100lm G:360lm B:90lm W:390lm	20W RGB+W LED tape (specify length when ordering)

AVAILABLE IN IP67

CODE	COLOUR TEMP	LUMENS	DESCRIPTION
LT20 RGBWX	3000K + RGB	R:87lm G:342lm B:84lm W:360lm	IP67 20W RGB+W LED tape (specify length when ordering)
LT20 RGBNX	4000K + RGB	R:87lm G:342lm B:84lm W:360lm	IP67 20W RGB+W LED tape (specify length when ordering)

FEEDS IP20

CODE	DESCRIPTION
LTF-RGBW-STD	300mm Feed 5 Core Standard
LTF-RGBW-1000	1000mm Feed 5 Core Standard
LTF-RGBW-3000	3000mm Feed 5 Core Standard
LTF-RGBW-5000	5000mm Feed 5 Core Standard
LTF-RGBW-10000	10000mm Feed 5 Core Standard

JOINS IP20

CODE	DESCRIPTION
LTJ-RGBW-STD	50mm Join 5 Core Standard
LTJ-RGBW-100	100mm Join 5 Core Standard
LTJ-RGBW-1000	1000mm Join 5 Core Standard
LTJ-RGBW-3000	3000mm Join 5 Core Standard
LTJ-RGBW-5000	5000mm Join 5 Core Standard
LTJ-RGBW-10000	10000mm Join 5 Core Standard

FEEDS IP67

CODE	DESCRIPTION
LTFX-RGBW-STD	300mm IP67 Feed 5 Core
LTFX-RGBW-1000	1000mm IP67 Feed 5 Core
LTFX-RGBW-3000	3000mm IP67 Feed 5 Core
LTFX-RGBW-5000	5000mm IP67 Feed 5 Core
LTFX-RGBW-10000	10000mm IP67 Feed 5 Core

JOINS IP67

CODE	DESCRIPTION
LTJX-RGBW-STD	50mm IP67 Join 5 Core
LTJX-RGBW-100	100mm IP67 Join 5 Core
LTJX-RGBW-1000	1000mm IP67 Join 5 Core
LTJX-RGBW-3000	3000mm IP67 Join 5 Core
LTJX-RGBW-5000	5000mm IP67 Join 5 Core
LTJX-RGBW-10000	10000mm IP67 Join 5 Core

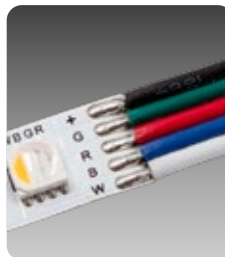
INSTALLATION NOTES

- 1/ Always check LED Tape wattage and current draw is well within the driver parameters, if in doubt increase driver size. Allow for a minimum of 20% headroom e.g. if you have 19W of LED tape, use a 40W driver, not a 20W.
- 2/ LT20 RGB+W is supplied complete with 3M Adhesive backing.
- 3/ Our LED tape is tested and QC checked prior to delivery, custom cut lengths are non returnable.
- 4/ LED tape is fragile, take care during transport and installation. Bending or shaping beyond format supplied is to be avoided at all times. 90 degree bends will damage tape and cause failure.

Please Note: Wire colour does not always correlate to light colour. Check tape solder point for symbol.

Isolating the White Channel for RGB + W Lighting

To operate only the "White" Channel press the W button in the centre of the colour wheel for the HL2819 remote control or the White channel button on the HL2820 wall controller. The colours will then appear desaturated indicating the white channel is turned on. Now adjust the brightness button (*) downwards. This will dim the Red, Green and Blue channels so only the White is operating.



RGB+ Feed cable

Black Cable = 24V DC (+)
Green Cable = Green (-)
Red Cable = Red (-)
Blue Cable = Blue (-)
White Cable = White (-)

(Note in some models White Cable=24V and Yellow Cable=White Channel, always check solder point symbols before powering up)

Please Note: RGB+W LED tape requires additional control gear to operate, see specifications. Wireless Casambi Bluetooth or RF options available see pages 482-536.

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STANDARD

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CASAMBI

BASIC RF CONTROL



*Casambi Mini Bluetooth
12-24V Constant Voltage
4 Channel Controller*



*Casambi Bluetooth
Xpress Switch*



*Bluetooth or RF Receiver
(Receives and sends
signal from wireless
controls to RGB Tape)*



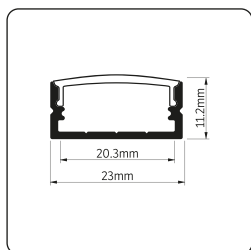
*Repeater / Amplifier,
for extending infinite
circuits from one
HL1009 Controller.*



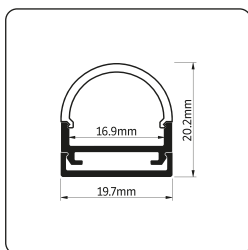
*RGB+W RF Wall and
Remote Controls*

COMPATIBLE PROFILE EXAMPLES

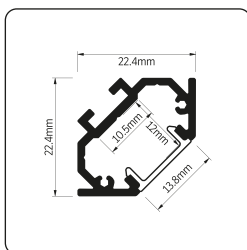
See separate Surface Mount and Recessed profile specification sheets for our complete range of Aluminium Profiles.



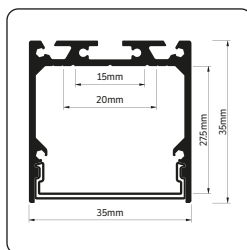
XS2311
Medium Standard
Shallow
Surface Mount or Recess
installation for a wide
range of applications.



XS2020
Curved Surface Mount
c/w Cable Tray
Surface Mount
installation with cable
tray for easy installs.



XS2222
Corner Mount
Multi-Purpose
Angled Surface
Mount installation for
directional applications.



XS3535
Large Standard
Suitable for Surface
Mount installation
or suspension using
pendant kit.