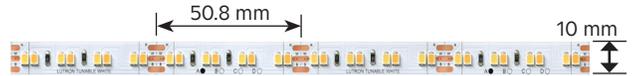


Lumaris Tape Light

PRODUCT DESCRIPTION

Lumaris tape light is the essential solution for offering a simple and seamless way to add accent lighting to virtually any low-profile application. A complete tape light solution consists of field-cutable LED tape, a wireless controller with integrated LED drivers, high-reliability punch connectors, dedicated wiring, and a power supply or interface. For an added level of quality, install the tape light inside Lutron LED tape extrusions.

Tape lights are offered in 5 m and 30 m spools to complete any lighting design project.



TUNABLE WHITE	
Delivered Lumens	656 lm/m
Delivered Output (Light Transmission)	100 lm/W
Power Consumption	6.3 W/m
Maximum Tape Length per 96 W Power Interface	15 m

FEATURES

- 1800 K – 4000 K tunable white light
- Continuous, flicker-free dimming from 100% down to 0.1% of measured light output
- Seamless integration with HomeWorks QSX, RadioRA 3¹, Athena, and myRoom XC systems
- User-programmable intensity and color temperature presets, including warm dim to mimic the dimming curve of an incandescent lamp
- Ability to automatically change color temperature based on time of day



RGB + TUNABLE WHITE	
Delivered Lumens	656 lm/m
Delivered Output (Light Transmission)	100 lm/W (whites)
Power Consumption	9.6 W/m
Maximum Tape Length per Power Interface	10 m

Note: All Lumaris tape lights have a max length of 5 m in a single series run, or 10 m with dual-ended wiring

LED TAPE EXTRUSIONS

SR1



Luxury diffusion with hidden mounting

SR2



Classic rectangular surface-mount

SR3²



Thin, low profile surface-mount

45S



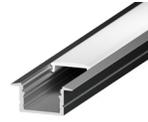
Classic 45° angled surface-mount

45T



Large 45° with premium diffusion

RR1²



Recessed mount with a clean finish

MI1



Mount into drywall for a flush light beam

Notes:

¹ Contact Lutron for regional availability.

² Extrusion will not fit the LU-CK1-6W connector in the extrusion channel (RGB + Tunable White connector). All profiles available in 2.44 m lengths. See page 10 for the [Extrusion Ordering Guide](#).

LED TAPE LIGHT SPECIFICATIONS

Optical Performance

CCT Range	1800 K - 4000 K
CRI R9	>90 from 1800 K to 4000 K (1800 K R9>60, 4000 K R9>90)
Lumen Maintenance	50,000 hours to L70 at 25 °C
Dimming Range	0.1% - 100%

Environmental

Ambient Temperature	0 °C to 40 °C
Humidity	0% to 95% non-condensing
Location	UL Indoor damp/dry location Wardrobe closet rated
Certification	CE, UKCA, cULus listed for USA & Canada, RoHS, FCC Class B, ICES-005, Title 24 [JA8]

Warranty

Limited Warranty	For warranty information, please visit www.lutron.com/europe/service-support The warranty will not cover issues caused by use of incompatible devices (including non-Lutron LED tape and/or power supplies).
------------------	--

Mechanical

Mounting Options	Strong VHB adhesive backing Lutron LED Tape Extrusions
------------------	---

Dimensions

Tape Length	All tapes available in 5 m and 30 m reels
Cuttable Section	Tunable White (TW): 50.8 mm RGB + TW: 101.6 mm
Tape Width	Tunable White: 10 mm RGB + TW: 12 mm
Tape Height	All: 1.53 mm

Electrical

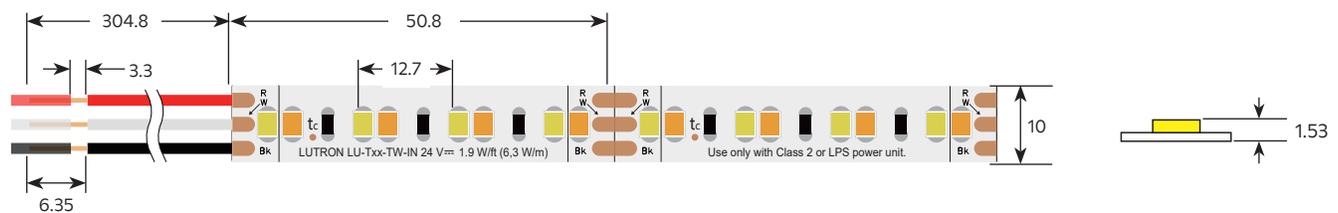
Voltage	24 V _{DC}
Power Consumption	Tunable White: 6.3 W/m RGB + TW: 9.6 W/m
Maximum Tape Length per 96 W Power Interface	Tunable White: 15 m* RGB + TW: 10 m*

* Must be split into parallel or dual-ended wiring runs. See the Wiring section for details.

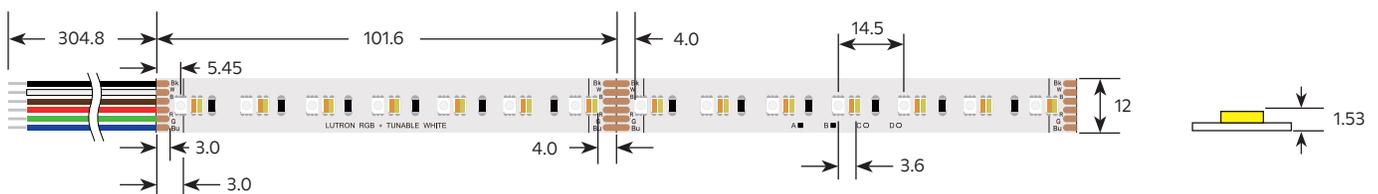
LED TAPE LIGHT DIMENSIONS

All dimensions shown as: mm

Lumaris Tunable White Tape Light: LU-Txx-TW-IN

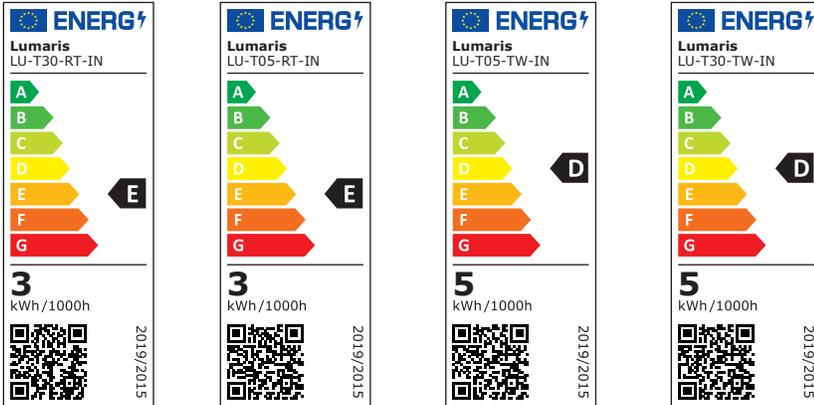


Lumaris RGB + Tunable White Tape Light: LU-Txx-RT-IN



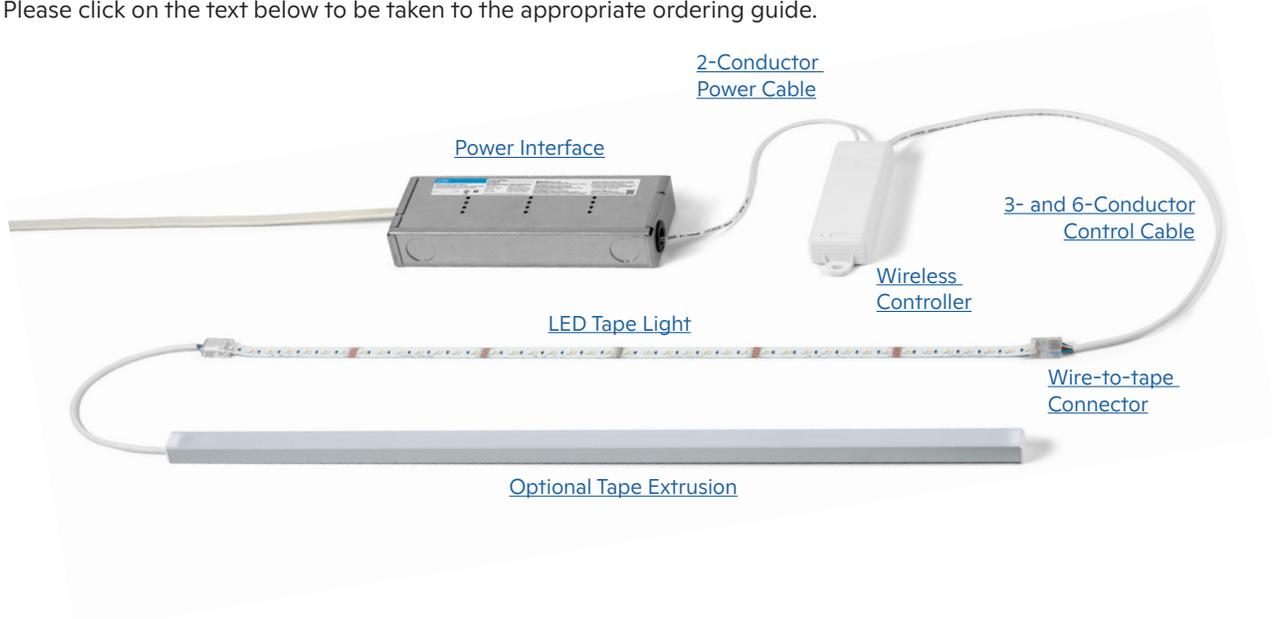
⚠ CAUTION: Overheating Risk. May result in moderate injury or product damage. Do not power the LED tape while coiled, on a spool, or directly to the power/line voltage. Unroll or install before applying power.

European Product Registry for Energy Labelling (EPREL)



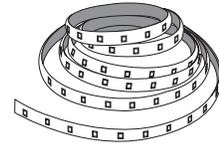
EXAMPLE SOLUTION DIAGRAM

Please click on the text below to be taken to the appropriate ordering guide.



LED TAPE LIGHT ORDERING GUIDE

Please download this PDF to use the interactive features of the ordering guide.

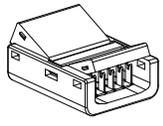
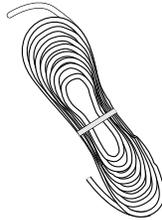
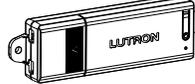
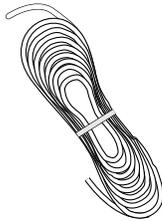
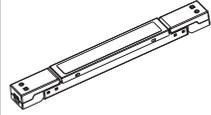
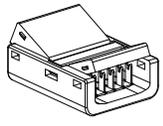
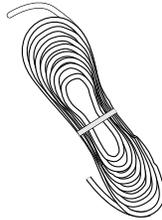


LED Tape

LU-			IN
Product	Tape Length	Product Line	Location
Order code: _____			

Product	Code	Product Line	Code	Location	Code
Lutron	LU-	Tunable White RGB + Tunable White	TW- RT-	Indoors	IN
Tape Length					
5 m	T05-				
30 m	T30-				

RESIDENTIAL Á LA CARTE SOLUTION FOR HWQSX AND RADIORA 3

Tape Light ¹	Wire-to-Tape Connectors ²	Control Cable ^{3,4}	Multi-Channel Wireless Controller	Power Cable ⁴	Power Interface
Tunable White - LU-T05-TW-IN - LU-T30-TW-IN 	Tunable White - LU-CK1-TW 	Tunable White - LU-WK1-3W-E 	- HWLE-MWCL-WH - RRLE-MWCL-WH ⁵ 	2-conductor cable, off-the-shelf, not sold by Lutron 	Surface-mounted - LU-PH3-B-E 
RGB + Tunable White - LU-T05-RT-IN - LU-T30-RT-IN 	RGB + Tunable White - LU-CK1-6W 	RGB + Tunable White - LU-WK1-6W-E 	See Controller Ordering Guide on page 8	See Power Interface Ordering Guide on page 8	
See Tape Light Ordering Guide on page 4	See Cable and Conector Ordering Guide on page 9	See Cable and Conector Ordering Guide on page 9	See Controller Ordering Guide on page 8	See Power Interface Ordering Guide on page 8	

Notes:

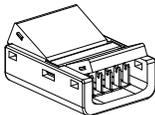
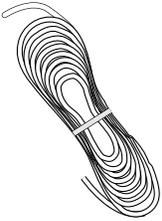
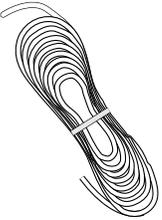
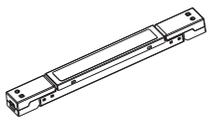
- ¹ Extrusions are optional, see extrusions ordering guide for details.
- ² LU-CK1-TW/LU-CK1-6W **MUST** be used to connect the control wire to cut tape segments.
- ³ Use LU-WK1-3W-E/LU-WK1-6W-E to guarantee proper electrical connection with LU-CK1-TW/LU-CK1-6W.
- ⁴ For acceptable wire gauges and lengths, see the wiring tables for Power and Control Cable section.
- ⁵ Contact Lutron for regional availability.

RESIDENTIAL RGB + TUNABLE WHITE KIT OPTIONS FOR HWQSX AND RADIORA 3

RGB + Tunable White Kit Model Numbers:

- HWLE-MTK-RT-IN ¹
- RRLE-MTK-RT-IN ¹

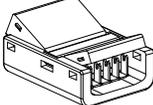
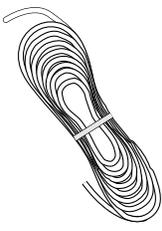
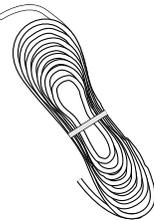
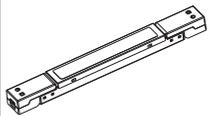
Table shows amount of items included in the kit.

Tape Light ²	Wire-to-Tape Connectors ³	Control Cable ^{4, 5}	Multi-Channel Wireless Controller	Power Cable ⁵	Power Interface
Two (2) pieces, 5 m reel; 10 m total  See Residential Kit Ordering Guide on page 9	Four (4) wire-to-tape connectors (LU-CK1-6W) 	6-conductor cable: Two (2) pieces, 3 m; 6 m total 	- HWLE-MWCL-WH ¹ OR - RRLE-MWCL-WH ¹ 	One (1) 2-conductor cable, 1.2 m 	One (1) LU-PH3-B-E 

Notes:

- ¹ Contact Lutron for regional availability.
- ² Extrusions are optional, see extrusions ordering guide for details.
- ³ LU-CK1-TW/LU-CK1-6W **MUST** be used to connect the control wire to cut tape segments.
- ⁴ Use LU-WK1-3W-E/LU-WK1-6W-E to guarantee proper electrical connection with LU-CK1-TW/LU-CK1-6W.
- ⁵ For acceptable wire lengths, see the Wiring Length Tables for Power and Control Cable section.

COMMERCIAL Á LA CARTE SOLUTION FOR MYROOM XC AND ATHENA

Tape Light ¹	Wire-to-Tape Connectors ²	Control Cable ^{3,4}	Multi-Channel Wireless Controller	Power Cable ⁴	Power Interface
<p>Tunable White - LU-T05-TW-IN - LU-T30-TW-IN</p>  <p>RGB + Tunable White - LU-T05-RT-IN - LU-T30-RT-IN</p> 	<p>Tunable White - LU-CK1-TW</p> <p>RGB + Tunable White - LU-CK1-6W</p> 	<p>Tunable White - LU-WK1-3W-E</p> <p>RGB + Tunable White - LU-WK1-6W-E</p> 	<p>- CME-MWCL-WH</p> 	<p>2-conductor cable, off-the-shelf, not sold by Lutron</p> 	<p>Surface-mounted - LU-PH3-B-E</p> 
<p>See Tape Light Ordering Guide on page 4</p>	<p>See Cable and Conector Ordering Guide on page 9</p>	<p>See Cable and Conector Ordering Guide on page 9</p>	<p>See Controller Ordering Guide on page 8</p>		<p>See Power Interface Ordering Guide on page 8</p>

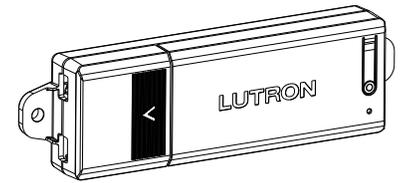
Notes:

- ¹ Extrusions are optional, see extrusions ordering guide for details.
- ² LU-CK1-TW/LU-CK1-6W **MUST** be used to connect the control wire to cut tape segments.
- ³ Use LU-WK1-3W-E/LU-WK1-6W-E to guarantee proper electrical connection with LU-CK1-TW/LU-CK1-6W.
- ⁴ For acceptable wire lengths, see the Wiring Length Tables for Power and Control Cable section.

CONTROLLER ORDERING GUIDE

_____ **MWCL-** _____ **WH**
 Product Line Model Finish

Order code: _____

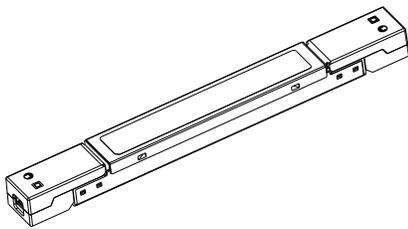


Multi-Channel Wireless Controller

Product Line	Code	Finish	Code
Athena/myRoom XC	CME-	White	WH
HomeWorks QSX	HWLE-		
RadioRA 3	RRLE-		
Model			
Multi-Channel Wireless Controller	MWCL-		

POWER INTERFACE ORDERING GUIDE

Power Interface **LU-PH3-B-E**



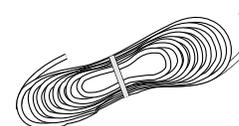
LU-PH3-B-E

RESIDENTIAL KIT ORDERING GUIDE

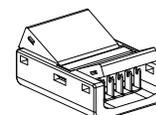
Model Number		Description
HomeWorks QSX	RadioRA 3	
HWLE-MTK-RT-IN ¹	RRLE-MTK-RT-IN ¹	RGB + Tunable White Kit <ul style="list-style-type: none"> • Wireless controller (with power interface LU-PH3-B-E) • RGB + Tunable White LED Tape - 2pc. 5 m reel; 10 m total • Wire-to-tape connectors (qty. 4) • 2-conductor cable - 1.2 m • 6-conductor cable - 2 pc. 3 m; 6 m total

CABLE AND CONNECTOR ACCESSORIES ORDERING GUIDE

Model Number	Description	Compatible LED Tapes	
		Tunable White LU-Txx-TW-IN	RGB + Tunable White LU-Txx-RT-IN
LU-CK1-TW ²	3-pin wire-to-tape connectors (qty. 10)	X	
LU-CK1-6W ²	6-pin wire-to-tape connectors (qty. 10)		X
LU-WK1-3W-E	3 × 0.50 mm ² (22 AWG) cable - 15.2 m	X	
LU-WK1-6W-E	6 × 0.50 mm ² (22 AWG) cable - 15.2 m		X



Cable



Connectors

Notes:

¹ Contact Lutron for regional availability.

² LU-CK1-6W/LU-CK1-TW MUST be used to connect the wire to the cut tape segments. Use LU-WK1-6W-E/LU-WK1-3W-E to guarantee proper electrical connection with LU-CK1-6W/LU-CK1-TW.

EXTRUSIONS ORDERING GUIDE

Please download this PDF to use the interactive features of the ordering guide.

LU-

Product _____ Model _____ Type _____

Order code: _____

Product	Code	Model	Code	Type	Code
Lutron	LU-	SR1 extrusion bundle	SR1-	Kit ¹	K
		SR2 extrusion bundle	SR2-	Accessory Pack ²	ACS
		SR3 extrusion bundle	SR3-		
		45S extrusion bundle	45S-		
		45T extrusion bundle	45T-		
		RR1 extrusion bundle	RR1-		
		MI1 extrusion bundle	MI1-		

Notes:

¹ The kit includes (1) 2.44 m aluminum channel and frosted lens and (1) accessory pack that matches the extrusion type.

² The accessory pack includes (2) open end caps, (2) closed end caps, (6) mounting clips and (6) mounting screws.

SR1



Luxury diffusion with hidden mounting

SR2



Classic rectangular surface-mount

SR3



Thin, low profile surface-mount

45S



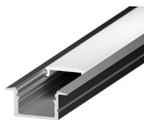
Classic 45° angled surface-mount

45T



Large 45° with premium diffusion

RR1

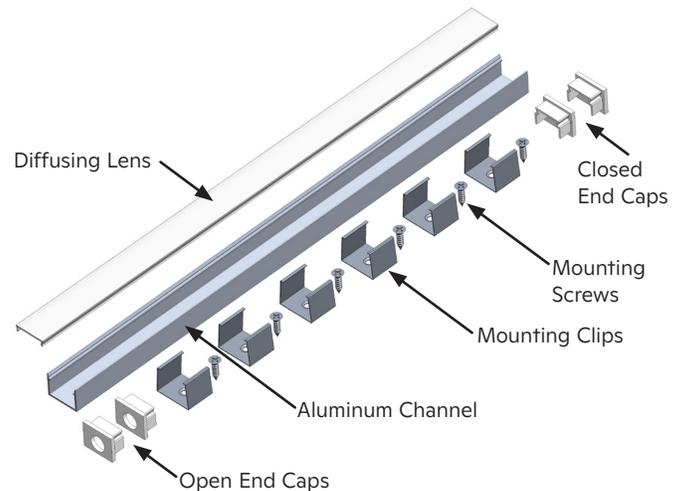


Recessed mount with a clean finish

MI1



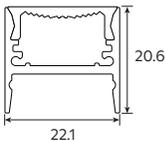
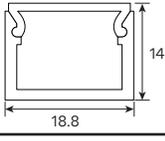
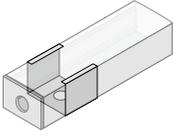
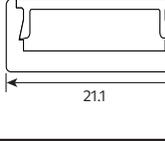
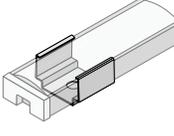
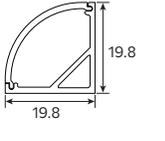
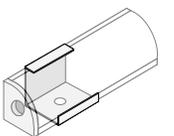
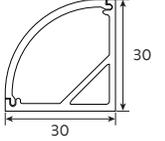
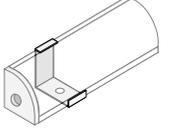
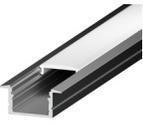
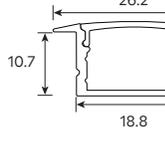
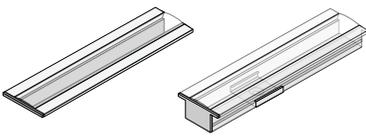
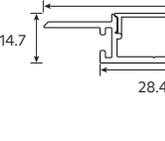
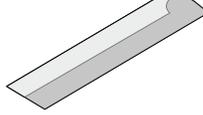
Mount into drywall for a flush light beam



LED Tape Extrusion (SR2 shown)

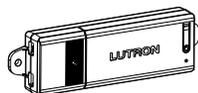
EXTRUSION OPTIONS

Measurements shown as: mm

Model	Dimensions	Mounting	Lens Rating	Diffusion
 <p>SR1</p>		 <p>Height with mounting clip: 20.6</p>	<p>Light loss: 45% CCT shift: -100K</p>	<p>Semi-diffused</p> 
 <p>SR2</p>		 <p>Height with mounting clip: 16.5</p>	<p>Light loss: 40% CCT shift: -100K</p>	<p>Semi-diffused</p> 
 <p>SR3</p>		 <p>Height with mounting clip: 13.5</p>	<p>Light loss: 10% CCT shift: -100K</p>	<p>Hot-spotted</p> 
 <p>45S</p>		 <p>Height with mounting clip: 22.6</p>	<p>Light loss: 25% CCT shift: -100K</p>	<p>Semi-diffused</p> 
 <p>45T</p>		 <p>Height with mounting clip: 31.7</p>	<p>Light loss: 30% CCT shift: -65K</p>	<p>Uniform</p> 
 <p>RR1</p>		 <p>Height with mounting clip: 16</p>	<p>Light loss: 25% CCT shift: -85K</p>	<p>Semi-diffused</p> 
 <p>M11</p>		 <p>Height with mounting clip: Not applicable</p>	<p>Light loss: 65% CCT shift: -275K</p>	<p>Uniform</p> 

COMPONENT SPECIFICATIONS

MULTI-CHANNEL WIRELESS CONTROLLERS (HWLE-MWCL-WH, RRLE-MWCL-WH, CME-MWCL-WH)



Regulatory Approvals

Certification Lutron Quality Systems registered to ISO 9001:2015, CE and UKCA certified, RoHS and REACH compliant

Electrical

Input 24 V $\overline{=}$ 4 A

Output 24 V $\overline{=}$ 96 W max

Electrical Protection Output short-circuit and overload protection

Wiring Clear Connect - Type X (CCX) devices require continuous power for optimal mesh performance, and must be wired such that their power cannot be inadvertently or frequently interrupted. Bypass any dimmer or switch in between the breaker and the CCX device

Environmental

Ambient Temperature 0 °C to 40 °C

Humidity 0% to 95% non-condensing

Location Indoor use only

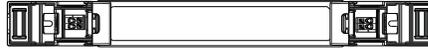
Communication

Radio Frequency for
Wireless Communication 2.4 GHz Wireless RF, Lutron Clear Connect-Type X (CCX)

- Range
- All CCX devices must be within 23 m of their assigned processor or gateway
 - Each CCX device must have at least two (2) other non-battery powered CCX devices within 6 m
 - Groups or clusters of CCX devices assigned to the same processor or gateway must not be separated by more than 6 m
 - It is recommended that the wireless processor or gateway and the CCX devices assigned to it are located on the same floor
 - CCX devices must be placed a minimum of 1.5 m from 2.4 GHz interference sources such as wireless access points, microwave ovens, Vive hubs
 - Radio Power Savr occupancy/vacancy sensors (LRFx) must be mounted at least 0.6 m away from CCX devices

Warranty

Limited Warranty For warranty information, please visit www.lutron.com/europe/service-support
The warranty will not cover issues caused by use of incompatible devices (including non-Lutron LED tape and/or power supplies).

COMPONENT SPECIFICATIONS (cont.)**POWER INTERFACES
(LU-PH3-B-E)****Regulatory Approvals**

Certification	Lutron Quality Systems registered to ISO 9001:2015 CE and UKCA certified RoHS and REACH compliant
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Electrical

Input	240 V~ 50/60 Hz
Output	24 V= constant voltage, Class II per IEC61347
Electrical Protection	Output open-circuit, short-circuit and overload protection

Environmental

Ambient Temperature	0 °C to 40 °C
Humidity	5% to 95% non-condensing
Location	Indoor use only
IP rating	IP20

Warranty

Limited Warranty	For warranty information, please visit www.lutron.com/europe/service-support The warranty will not cover issues caused by use of incompatible devices (including non-Lutron LED tape and/or power supplies).
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Features

- Powers up to three wireless controllers and a total of 96 W of tape
- Class III separation

WIRING

POWER INTERFACES (LU-PH3-B-E)

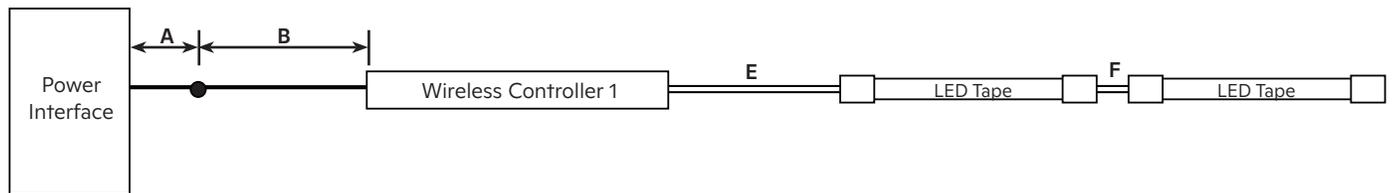
- Power up to three wireless controllers and 96 W of LED tape.
- LU-PH3-A: Terminals on the power interface accept 4.0 mm² to 0.75 mm² (12 AWG to 20 AWG).
 - Each screw terminal may only accept one wire.
 - LU-PH3-A is grounded by a terminal connection. LU-PH3-B is grounded by a grounding screw.
- LU-PH3-B: Use provided wire connectors to connect flying leads to wire per instructions printed on the connector bag.

The wiring diagrams and wiring tables on the next pages demonstrate how power wire and control wire lengths can be varied to increase installation flexibility and maintain optimum performance.

WIRING DIAGRAM 1: Lumaris Tape Light Installation

For a single wireless controller:

- Power Cable = A + B Control Cable = E + F



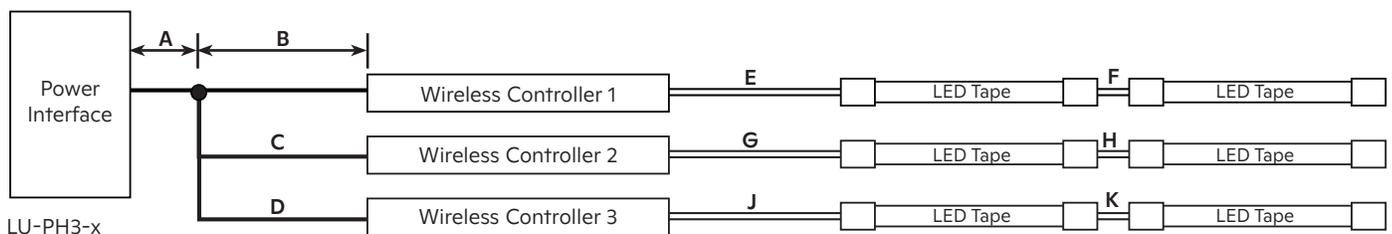
LU-PH3-x
 - Power wire
 - Control wire

WIRING DIAGRAM 2: Lumaris Tape Light Installation with Multiple Controllers

For a multiple wireless controllers:

Each wireless controller cable lengths should be calculated by each controller using the below table.

- Wireless Controller 1: Power Cable = A + B Control Cable = E + F
- Wireless Controller 2: Power Cable = A + C Control Cable = G + H
- Wireless Controller 3: Power Cable = A + D Control Cable = J + K



LU-PH3-x
 - Power wire
 - Control wire

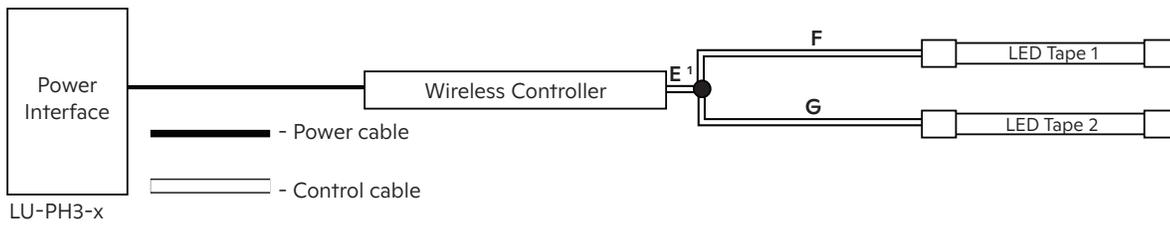
WIRING (cont.)

All Lumaris tape light installations > 5.0 m should implement one of the following wiring techniques:

WIRING DIAGRAM 3: Lumaris Tape Installation - Split into Parallel Runs, Each No More Than 5 m

Total control cable length for each tape includes the following:

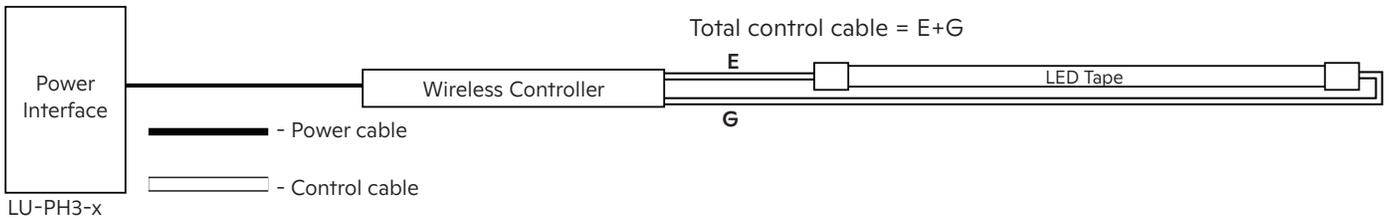
- Control Cable 1 = E + F
- Control Cable 2 = E + G
- Total Control Cable = (E + F) + (E + G)



Note:

- 1 It is recommended to keep cable length (E) as short as possible, less than 0.3 m is ideal, to maintain optimum performance.

WIRING DIAGRAM 4: Lumaris Tape Installation with Connection to Both Ends of the Tape (Dual-Ended); Total LED Tape Must be Less Than 10 m



WIRING (cont.)

TABLE 1: Tunable White Installation Cable Lengths for Power and Control Cable

The below table values apply to a tunable white tape light solution with one (1) power interface and one (1) multi-channel wireless controller (Wiring diagrams 1, 3, and 4) or one (1) power interface and up to three (3) multi-channel wireless controllers (wiring diagram 2). If parallel power wiring exists, the table values assume that the power cable connections are in the homerun configuration to the power interface (spliced closest to the power interface) and the tape lengths are similar. The displayed values allow for up to 25% lumen drop at the beginning of the LED tape.

Tape Length (m)	Power Cable		Total Control Cable Length (m)				
	Wire Gauge mm ² (AWG)	Total Cable Length (m)	4.0 mm ² (12 AWG)	2.5 mm ² (14 AWG)	1.5 mm ² (16 AWG)	1.0 mm ² (18 AWG)	0.5 mm ² (22 AWG)
0-1.2	0.75 (20)	7.3	208.5	131.1	82.3	51.5	20.4
	1.5 (16)	19.8					
	2.5 (14)	31.4					
	4.0 (12)	50.0					
1.3-2.4	0.75 (20)	3.7	104.2	65.5	41.1	26.0	10.1
	1.5 (16)	10.1					
	2.5 (14)	15.8					
	4.0 (12)	25.3					
2.5-3.7	0.75 (20)	2.4	69.5	43.6	27.4	17.1	6.7
	1.5 (16)	6.7					
	2.5 (14)	10.7					
	4.0 (12)	17.1					
3.8-5.0	0.75 (20)	1.8	52.1	32.6	20.4	12.8	4.9
	1.5 (16)	4.9					
	2.5 (14)	7.9					
	4.0 (12)	12.8					
5.1-6.2 ¹	0.75 (20)	1.5	83.2	52.4	33.0	20.7	7.9
	1.5 (16)	4.0					
	2.5 (14)	6.4					
	4.0 (12)	10.1					
6.3-7.4 ¹	0.75 (20)	1.2	69.5	43.6	27.4	17.1	6.7
	1.5 (16)	3.4					
	2.5 (14)	5.2					
	4.0 (12)	8.5					
7.5-8.7 ¹	0.75 (20)	0.9	59.4	37.2	23.5	14.6	5.8
	1.5 (16)	2.7					
	2.5 (14)	4.6					
	4.0 (12)	7.3					
8.8-10.0 ¹	0.75 (20)	0.9	52.1	32.6	20.4	12.8	4.9
	1.5 (16)	2.4					
	2.5 (14)	4.0					
	4.0 (12)	6.4					
10.1-11.2 ²	0.75 (20)	0.6	70.1	43.9	27.7	17.4	6.7
	1.5 (16)	2.1					
	2.5 (14)	3.4					
	4.0 (12)	5.5					
11.3-12.4 ²	0.75 (20)	0.6	62.5	39.0	24.7	15.2	6.1
	1.5 (16)	1.8					
	2.5 (14)	3.0					
	4.0 (12)	5.2					
12.5-13.7 ²	0.75 (20)	0.6	57.0	36.0	22.6	14.0	5.5
	1.5 (16)	1.8					
	2.5 (14)	2.7					
	4.0 (12)	4.6					
13.8-14.9 ²	0.75 (20)	0.6	52.1	32.6	0.4	12.8	4.9
	1.5 (16)	1.5					
	2.5 (14)	2.4					
	4.0 (12)	4.3					

Notes:

¹ Lengths 5.1 m - 10.0 m assumes the cable runs split into equal parallel runs (wiring diagram 3) or a connection on both ends of the tape (wiring diagram 3).

² Lengths over 10.0 m assumes the cable runs are split into equal parallel runs with similar wire and tape lengths (wiring diagram 3) or a combination of parallel and runs with connections on both ends (combination of wiring diagram 3 and 4).

WIRING (cont.)

TABLE 2: RGB + Tunable White Installation Wire Lengths for Power and Control Wire

The below table values apply to RGB + tunable white tape light solution with one (1) power interface and one (1) multi-channel wireless controller (Wiring diagrams 1, 3, and 4) or one (1) power interface and up to three (3) multi-channel wireless controllers (wiring diagram 2). If parallel power wiring exists, the table values assume that the power cable connections are in the homerun configuration to the power interface (spliced closest to the power interface) and the tape lengths are similar. The displayed values allow for up to 25% lumen drop at the beginning of the LED tape.

Tape Length (m)	Power Cable		Total Control Cable Length (m)				
	Wire Gauge mm ² (AWG)	Total Cable Length (m)	4.0 mm ² (12 AWG)	2.5 mm ² (14 AWG)	1.5 mm ² (16 AWG)	1.0 mm ² (18 AWG)	0.5 mm ² (22 AWG)
0-1.2	0.75 (20)	11.0	306.0	192.9	121.0	76.5	30.2
	1.5 (16)	29.3					
	2.5 (14)	46.6					
	4.0 (12)	74.4					
1.3-2.4	0.75 (20)	5.5	153.6	96.6	60.7	38.1	14.9
	1.5 (16)	14.6					
	2.5 (14)	23.5					
	4.0 (12)	37.5					
2.5-3.7	0.75 (20)	3.7	102.1	64.3	40.2	25.3	10.1
	1.5 (16)	9.8					
	2.5 (14)	15.8					
	4.0 (12)	25.3					
3.8-5.0	0.75 (20)	2.7	76.8	48.2	30.2	18.9	7.3
	1.5 (16)	7.3					
	2.5 (14)	11.9					
	4.0 (12)	18.9					
5.1-6.2 ¹	0.75 (20)	1.5	83.2	52.4	32.9	20.7	7.9
	1.5 (16)	4.0					
	2.5 (14)	6.4					
	4.0 (12)	10.1					
6.3-7.4 ¹	0.75 (20)	1.2	69.5	43.6	27.4	17.1	6.7
	1.5 (16)	3.4					
	2.5 (14)	5.2					
	4.0 (12)	8.5					
7.5-8.7 ¹	0.75 (20)	0.9	59.4	37.2	23.5	14.6	5.8
	1.5 (16)	2.7					
	2.5 (14)	4.6					
	4.0 (12)	7.3					
8.8-10.0 ¹	0.75 (20)	0.9	52.1	32.6	20.4	12.8	4.9
	1.5 (16)	2.4					
	2.5 (14)	4.0					
	4.0 (12)	6.4					

Notes:

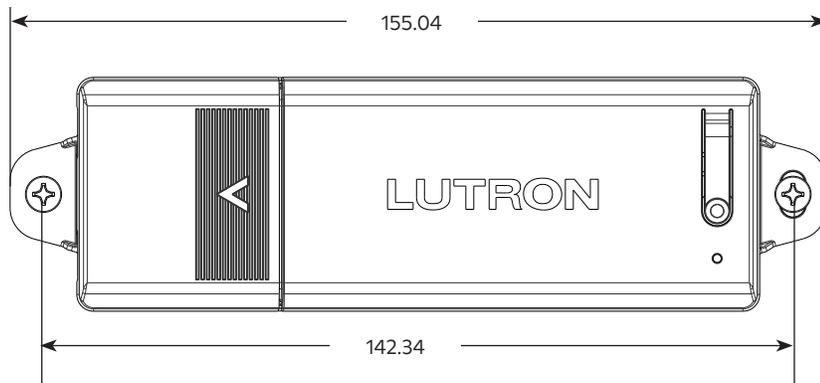
¹ Lengths over 5.1 m assumes that control cable runs are split into equal parallel or dual-ended wiring runs and identical tape lengths (wiring diagrams 3 and 4).

DIMENSIONS

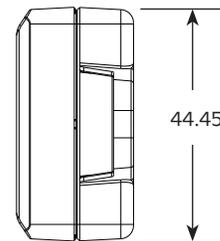
All dimensions shown as: mm

MULTI-CHANNEL WIRELESS CONTROLLER (HWLE-MWCL-WH, RRLE-MWCL-WH, CME-MWCL-WH)

Top View



End View



Side View



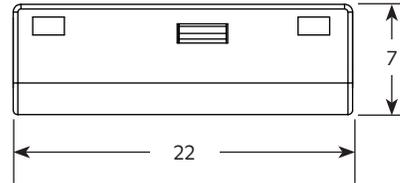
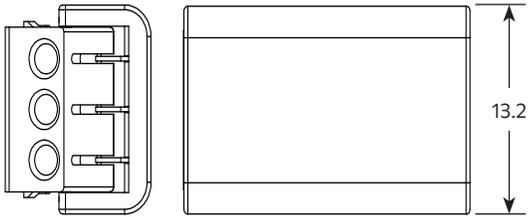
NOTE: The location of the wireless controller must be considered when laying out the Clear Connect - Type X network. See the communication section of the wireless controller for Clear Connect - Type X spacing details.

NOTE: Do not mount wireless controllers in or on metal enclosures or cabinets.

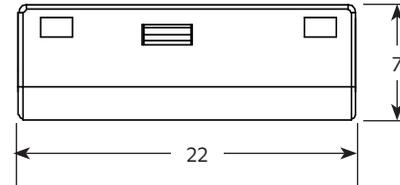
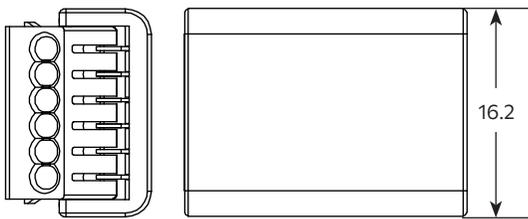
DIMENSIONS (cont.)

All dimensions shown as: mm

3-PIN WIRE-TO-TAPE CONNECTOR (LU-CK1-TW)



6-PIN WIRE-TO-TAPE CONNECTOR (LU-CK1-6W)



DIMENSIONS (cont.)

All dimensions shown as: mm

POWER INTERFACE ENCLOSURE (LU-PH3-B-E)

