TRULUX™

LIGHTING SYSTEMS

TAPE LIGHT CONTROLS POWER SUPPLIES EXTRUSIONS

AMERICAN LIGHTING

Modern lighting isn't just about illuminating a space.

IT'S ABOUT HOW A SPACE IS BEING **ILLUMINATED.**

Any number of lighting fixtures can create

ACCENT LIGHTING

TASK LIGHTING

AMBIENT LIGHTING

but only one kind of luminaire can do it all:

LINEAR LIGHTING.

Not only is linear lighting extremely versatile in the many ways it can be utilized, its low profile and discreet form-factor make it the perfect luminaire to infuse a subtle yet luxurious aesthetic to any room. Linear luminaires are extremely capable while also being simple and easy to control, making them the perfect lighting solution for any kind of end-user.

AMERICAN LIGHTING

TRULUX™ CONSIDERATIONS

Tape Light Considerations Page 9

LUMEN OUTPUT
Pay attention to the overall lumen output needed to ensure the correct tape light is being used.
More on page 9

CUTTABILITY
It's important to confirm that the cutting increments of a piece of tape light fall in line with the desired run length.
More on page 9

DIODE SPACING
Keep in mind diode spacing per tape light model as this will affect cutting lengths and the overall look.
More on page 9

Rating Considerations Page 9

IP54 RATING
Indicates that a model of tape light is sealed and protected enough to operate in damp environments.
More on page 9

IP68 RATING
Indicates that a model of tape light is sealed and protected enough to operate fully submerged underwater.
More on page 9

JA8 RATING
Indicates when a model of tape light meets the strict and rigorous guidelines for JA8 "high efficacy" rating.

IP65 RATING
Indicates that a model of tape light is sealed and protected enough to operate in wet environments.
More on page 9

CLOSET RATING
Indicates that a model of tape light is certified safe for installation inside of closets.

Power Supply Considerations Page 42

NEW CONSTRUCTION
Keep in mind that new construction projects allows for customized placement of power supplies.
More on page 42

CLASS-2 POWER SUPPLIES
Used mostly for residential projects, built within regulations limiting total system current.
More on page 42

REMODEL
With remodel projects, existing power supplies and outlets need to be utilized and planned for accordingly.
More on page 42

VOLTAGE DROP
Occurs when the voltage at the end of the run is lower than it is at the beginning, causing dimming towards the end.
More on page 43

Power Supply Considerations Page 42

DIMMING
Dimming is a popular option, but some situations don't require dimming. Keep this in mind when choosing power supplies.
More on page 43

DERATE POWER SUPPLY
Operating below the headline power rating of a fixture helps protect against failures.
More on page 43

NON DIMMING
Make sure to use the correct power supplies for lighting areas that don't require dimming.
More on page 43

24V DC
Tape light powered at 24V or 12V DC rather than 110V or 220V AC are known as low voltage and provide a number of benefits.
More on page 43

Controls Considerations White Light: Page 34 / Color Changing: Page 70

HARDWIRED CONTROLS
Simple to use and install, but lacking any sort of smart functionality.
More on page 34

DMX CONTROLS
A simple control for color-changing lights, easy to use but plentiful in features.
More on page 70

SPEKTRUM+ SMART LIGHTING CONTROLS
Gives users the ability to fully control lights throughout an entire home using smart apps and devices.
White Light: Page 36
Color Changing: Page 72

Extrusions Considerations White Light: Page 53 / Color Changing: Page 85

SURFACE MOUNT EXTRUSIONS
Consider using a surface mount extrusion when the ideal mounting location is directly on the surface of a wall or object.
White Light: Page 54
Color Changing: Page 86

DRYWALL EXTRUSIONS
Drywall extrusions are great for new construction and remodels where tape light needs to be installed directly into drywall.
White Light: Page 55
Color Changing: Page 87

RECESSED EXTRUSIONS
For a more subtle look, consider a recessed extrusion for mounting options where tape light needs to go inside a crevice or space.
White Light: Page 54
Color Changing: Page 86

45° EXTRUSIONS
In cases when a lighting design requires tape light mounted directly in a corner, consider a 45° extrusion.
White Light: Page 55
Color Changing: Page 87

Accessory Considerations White Light: Page 49 / Color Changing: Page 81

CONNECTORS
Consider what kind of connectors, jumpers, and splices will be needed based on the lighting design and placement.
White Light: Pages 49–51
Color Changing: Pages 81–82

BUILDING A TRULUX™ WHITE LIGHT SYSTEM

1 SPECIFY TAPE LIGHT — Accent, Task, & Ambient Lighting

Accent Lighting	Page 12
Task Lighting	Page 20
Ambient Lighting	Page 26
Compare Your Options	Pages 90–91
Tape Light Compatibility Chart	Pages 118–119

2 SPECIFY CONTROLS — Traditional 120V & Smart Lighting Controls

Hardwired Dimming Controls	Pages 34–35
Spektrum+ Smart Lighting Controls	Pages 36–39
Compare Your Options	Pages 96–97

3 SPECIFY POWER SUPPLIES — Dimming & Non-dimming Power Supplies

Dimmable Power Supplies	Pages 44–45
Non-dimmable Power Supplies	Pages 46–47
Voltage Considerations	Pages 92–93

4 SPECIFY ACCESSORIES — Connectors

Trulink Connector Block	Page 50
HD Connectors	Page 51
Connectors Compatibility Chart	Pages 118–119

5 SPECIFY EXTRUSIONS — Surface, Recessed, Drywall Mount & 45° Corner

Recommended Surface & Recessed	Page 54
Recommended Drywall & 45° Corner	Page 55
See All Your Options	Page 99–111
Surface & Recessed Bundles	Pages 113–115
Drywall & 45° Corner Bundles	Pages 116–117
Extrusions Capability Chart	Pages 118–119

BUILDING A TRULUX™ COLOR CHANGING SYSTEM

1 SPECIFY TAPE LIGHT — Color Changing & Tunable White Lighting

Color Changing Lighting	Page 60
Tunable White Lighting	Page 64
Compare Your Options	Pages 90–91
Tape Light Compatibility Chart	Pages 118–119

2 SPECIFY CONTROLS — Hardwired DMX & Smart Lighting Controls

DMX Lighting Controls	Pages 70–71
Spektrum+ Smart Lighting Controls	Pages 72–75
Compare Your Options	Pages 96–97

3 SPECIFY POWER SUPPLIES — Secondary Side Dimming Power Supplies

Secondary Side Dimming Power Supplies	Pages 78–79
Voltage Considerations	Pages 94–95

4 SPECIFY ACCESSORIES — Connectors

HD Connectors	Page 82
Connectors Compatibility Chart	Pages 118–119

5 SPECIFY EXTRUSIONS — Surface, Recessed, Drywall Mount & 45° Corner

Recommended Surface & Recessed	Page 86
Recommended Drywall & 45° Corner	Page 87
See All Your Options	Page 99–111
Surface & Recessed Bundles	Pages 113–115
Drywall & 45° Corner Bundles	Pages 116–117
Extrusions Capability Chart	Pages 118–119

STEP 1: SPECIFY TAPE LIGHT

Peeling Back the Layers of Illumination

LEARN MORE ON *Pages 90–91*

Beautiful design is often exhibited in layers. Whether it's interior design, architectural design, or even lighting design, the key to creating something truly captivating is in the depth and layers that are found within it. When it comes to lighting, American Lighting calls this designing approach "layers of light."

By adding multiple layers of light to each space, balance and even illumination can be achieved in a way that welcomes, invites, and comforts the people who will actually be occupying the space. Layers of light can help enhance and highlight architecture, provide room flow, as well as provide overall illumination in a space. Overall, there are three main types of lighting: accent lighting, task lighting, and ambient lighting. Within each of these categories, Trulux linear tape light can be used to achieve any kind of lighting layers desired. Each category includes various lumen output, CCT, power, and control options, so it's important to consider all the different aspects of a project when selecting and specifying tape light.

TRULUX WHITE LIGHT SYSTEM GUIDE

Tape Light Selection		Controller Selection		Power Supply Selection		Connectors Selection		Extrusion Selection
1	+	2	+	3	+	4	+	5

TRULUX™ TAPE LIGHT **SPECIFICATION CONSIDERATIONS**

LUMEN OUTPUT

How bright is too bright? What happens when a light isn't bright enough? Is this fixture being installed as an accent light, a task light, or an ambient light? These are all questions to consider when it comes to lumen output. Make sure to pay close attention to overall lumen output the ensure the correct tape light is being used.

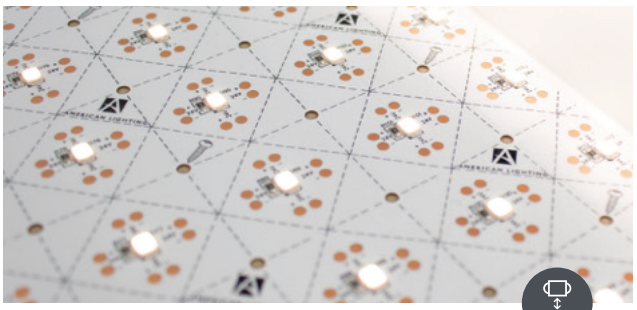
Low Output | Average Output | High Output

INGRESS PROTECTION RATING

IP ratings are used to determine how effectively a device is sealed to protect against foreign objects (i.e. sand, dirt, and dust), as well as moisture. Each model of light tape is rated on a two-tier scale, first testing for particulate protection and the second testing for moisture protection. Depending on where a fixture is being installed, think about how much overall protection will be needed to ensure optimum performance. Trulux offers three levels of IP ratings: IP54 (damp locations), IP65 (wet locations), and IP68 (submersible).

CUTTABILITY

Every model of tape light has a unique set of specifications, including where and how often it can be cut and reconnected. Before installing any kind of linear lighting, make sure the cutting increments fall in line with the desired run length, and adjust the design as needed. Custom cut lengths are also available for particular models of tape light.



DIODE SPACING

The multiple diodes that make up the various models of tape light are sized and spaced at various distances for multiple reasons. CCT tunability, lumen output, and visual aesthetic all come into play when it comes to how far apart diodes are spaced on tape light. Diode spacing is also important to consider when it comes to cuttability, as the cutting increments will partly be determined by the space between diodes.

LAYERING WITH TAPE LIGHT

ACCENT LIGHTING

Recommended Lumens: 100–299Lm/ft

Accent lighting, as the name implies, is used to highlight and accent objects as well as architectural features throughout a space. When it comes to accent lighting, luminaires should be pointed directly at the object or structure being featured, as that is the primary goal for this category of lighting. To ensure the best illumination, without becoming intrusive to the overall lighting design, accent lighting fixtures should stay within a lumen output range of 100–299Lm per foot.

TASK LIGHTING

Recommended Lumens: 300–499Lm/ft

Task lighting is specifically designed to illuminate spaces being used for intricate task work such as cooking, sewing, reading, writing, grooming and more. The main goal of task lighting is to directly and completely illuminate a small area where these tasks are being accomplished, reducing eye strain and eliminating distracting shadows. For ideal task lighting results using linear luminaires, a range of 300–499Lm per foot is recommended.

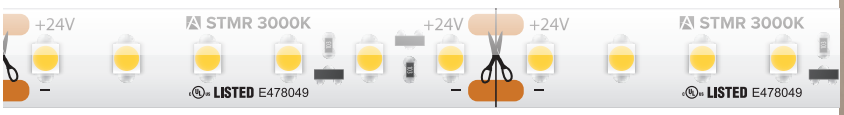
AMBIENT LIGHTING

Recommended Lumens: 450+ Lm/ft

Ambient lighting, also known as general lighting, is used as the primary source of light for a room or space. The main goal of ambient lighting is to provide general illumination throughout a space, but that isn't the only goal. While uniform light distribution is important in any given space, ambient lighting also provides an overall sense of comfort, warmth, and depth to its occupants. For linear tape light, this translates to luminaires that provide ample lumen output, while also reducing annoying visual glare and distractions. The ideal lumen output for ambient lighting should be 450Lm and higher, depending on the space.

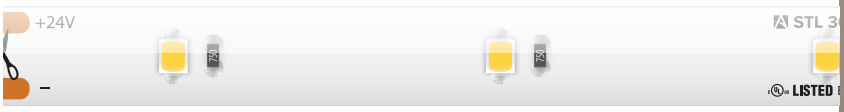
ACCENT LIGHTING

TRULUX™ MAX RUN — UP TO 110LM/FT



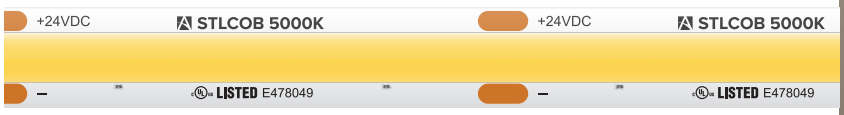
Page 14

TRULUX™ STANDARD GRADE — UP TO 155LM/FT



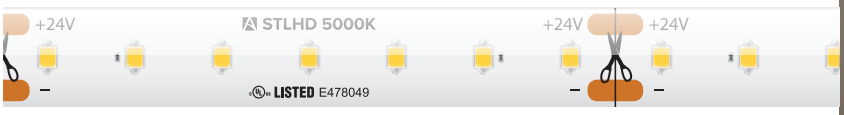
Page 15

TRULUX™ STANDARD GRADE COB — UP TO 220LM/FT



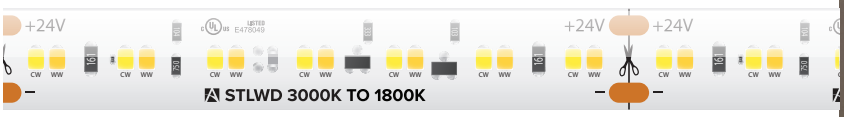
Page 16

TRULUX™ STANDARD GRADE HD — UP TO 235LM/FT



Page 17

TRULUX™ STANDARD WARM DIM — UP TO 262LM

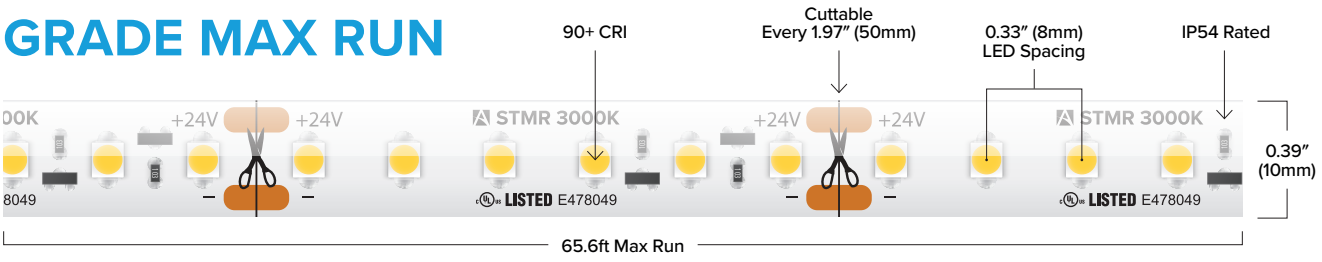


Page 18

BEST USED FOR:

- ✓ *Entertainment Center*
- ✓ *Toe Kicks*
- ✓ *Coves*
- ✓ *Furniture Underlighting*
- ✓ *Built-ins*
- ✓ *Mirror Backlighting*
- ✓ *Home Theaters*

TRULUX™ **STANDARD GRADE MAX RUN**



TRULUX STANDARD GRADE MAX RUN ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
STMR-30-65	65.6'	3000K	65.6ft	110Lm/ft	1.47W/ft	90+	1.97" (50mm)

STMR (IP54) 65.6' Reels include: Attached 6' lead wires (3) TL-BLKS / (3) TL-CONKITS / (3) TL-2PWR-HD

Going The Distance

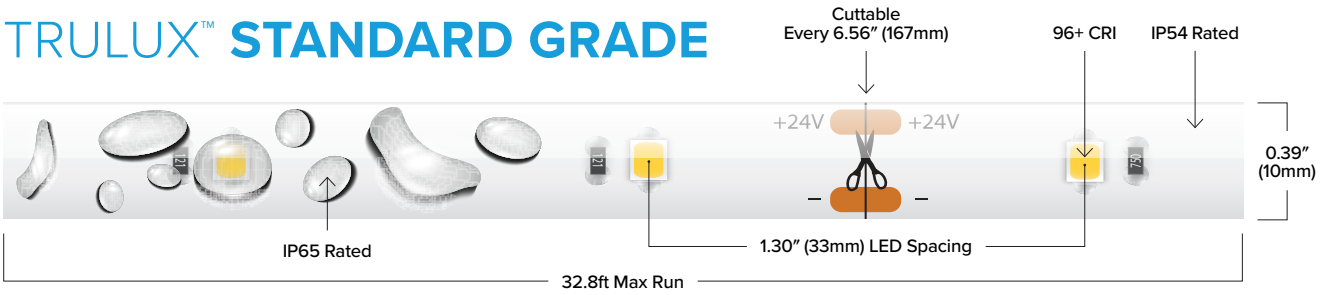
A CLOSER LOOK AT STANDARD GRADE MAX RUN

EXPANDED MAXIMUM RUN LENGTHS FOR EXPANDED POSSIBILITIES

The majority of tape light models have a max run of 16.4ft or less per section of tape light. This is mostly due to power constraints, as most LED power supplies are incapable of driving tape light at 100% in longer lengths. This usually isn't an issue, however, it can become a major inconvenience for bigger projects.

Trulux Standard Grade Max Run tape light is designed to go the distance. With a maximum run length of up to 65.6ft, the Max Run tape light is perfect for large coves, long corridors, or as seen here, spacious lobby areas.

TRULUX™ STANDARD GRADE



IP54 TRULUX STANDARD GRADE ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
STL-UWW	16.4′	2700K	32.8ft	146Lm/ft	2.19W/ft	96+	6.56″ (167mm)
STL-UWW-33	32.8′	2700K	32.8ft	146Lm/ft	2.19W/ft	96+	6.56″ (167mm)
STL-UWW-100	100′	2700K	32.8ft	146Lm/ft	2.19W/ft	96+	6.56″ (167mm)
STL-WW	16.4′	3000K	32.8ft	150Lm/ft	2.19W/ft	96+	6.56″ (167mm)
STL-WW-33	32.8′	3000K	32.8ft	150Lm/ft	2.19W/ft	96+	6.56″ (167mm)
STL-WW-100	100′	3000K	32.8ft	150Lm/ft	2.19W/ft	96+	6.56″ (167mm)
STL-WH	16.4′	4000K	32.8ft	155Lm/ft	2.19W/ft	96+	6.56″ (167mm)
STL-WH-33	32.8′	4000K	32.8ft	155Lm/ft	2.19W/ft	96+	6.56″ (167mm)
STL-WH-100	100′	4000K	32.8ft	155Lm/ft	2.19W/ft	96+	6.56″ (167mm)

STL (IP54) 16.4′ Reels include: Attached 6′ lead wire / (3) TL-CONKIT / (3) TL-BLKS / (3) TL-2PWR-HD
STL (IP54) 32.8′ Reels include: Attached 6′ lead wire / (3) TL-CONKIT / (3) TL-BLKS / (3) TL-2PWR-HD
STL (IP54) 100′ Reels include: Attached 6′ lead wire / (5) TL-CONKIT / (5) TL-BLKS / (5) TL-2PWR-HD

IP65 TRULUX STANDARD GRADE ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
STL65-UWW	16.4′	2700K	32.8ft	105Lm/ft	2.19W/ft	96+	6.56″ (167mm)
STL65-WW	16.4′	3000K	32.8ft	115Lm/ft	2.19W/ft	96+	6.56″ (167mm)
STL65-WH	16.4′	4000K	32.8ft	125Lm/ft	2.19W/ft	96+	6.56″ (167mm)

STL65 (IP65) 16.4′ Reels include: Attached 2′ IP65 lead wire + 6″ Conkit / Attached 2′ IP65 tail wire + 6″ Conkit / (3) TL-2PWR-HD

CUSTOM CUT IP54 & IP65 TRULUX STANDARD GRADE ORDERING INFORMATION

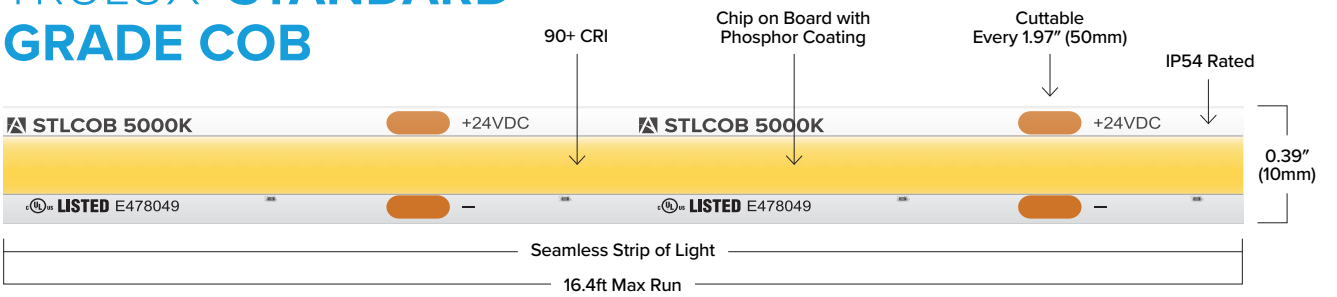
ITEM NUMBER	IP RATING	LENGTH	CUT INCREMENT
STL-UWW-CC	IP54	Custom	6.56″ (167mm)
STL-WW-CC	IP54	Custom	6.56″ (167mm)
STL-WH-CC	IP54	Custom	6.56″ (167mm)

ITEM NUMBER	IP RATING	LENGTH	CUT INCREMENT
STL65-UWW-CC	IP65	Custom	6.56″ (167mm)
STL65-WW-CC	IP65	Custom	6.56″ (167mm)
STL65-WH-CC	IP65	Custom	6.56″ (167mm)

Custom Cut: Order (1) CONKIT-CC Assembly Fee per length of tape; includes 3′ soldered lead wire and shrink tube cover; for additional wire, add (1) TL-WIRE per ft; IP65 includes 2′ IP65 lead wire + 6″ Conkit (no additional wire available for IP65 cuts)*

**Custom Cut Lengths must be calculated in 6.56″ increments (Min 1ft / Max. 32.8ft).*

TRULUX™ STANDARD GRADE COB



IP54 TRULUX STANDARD GRADE COB ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS / FT	WATTAGE / FT	CRI	CUT INCREMENT
STL-COB-UWW-16	16.4′	2700K	16.4ft	180Lm/ft	2.19W/ft	90+	1.97″ (50mm)
STL-COB-UWW-100	100′	2700K	16.4ft	180Lm/ft	2.19W/ft	90+	1.97″ (50mm)
STL-COB-WW-16	16.4′	3000K	16.4ft	200Lm/ft	2.19W/ft	90+	1.97″ (50mm)
STL-COB-WW-100	100′	3000K	16.4ft	200Lm/ft	2.19W/ft	90+	1.97″ (50mm)
STL-COB-NW-16	16.4′	3500K	16.4ft	200Lm/ft	2.19W/ft	90+	1.97″ (50mm)
STL-COB-NW-100	100′	3500K	16.4ft	200Lm/ft	2.19W/ft	90+	1.97″ (50mm)
STL-COB-WH-16	16.4′	4000K	16.4ft	220Lm/ft	2.19W/ft	90+	1.97″ (50mm)
STL-COB-WH-100	100′	4000K	16.4ft	220Lm/ft	2.19W/ft	90+	1.97″ (50mm)
STL-COB-CW-16	16.4′	5000K	16.4ft	220Lm/ft	2.19W/ft	90+	1.97″ (50mm)
STL-COB-CW-100	100′	5000K	16.4ft	220Lm/ft	2.19W/ft	90+	1.97″ (50mm)

STL-COB (IP54) 16.4′ Reels include: Attached 6′ lead wire / (3) TL-CONKIT / (3) TL-BLKS / (3) TL-2PWR-HD
STL-COB (IP54) 100′ Reels include: Attached 6′ lead wire / (5) TL-CONKIT / (5) TL-BLKS / (5) TL-2PWR-HD

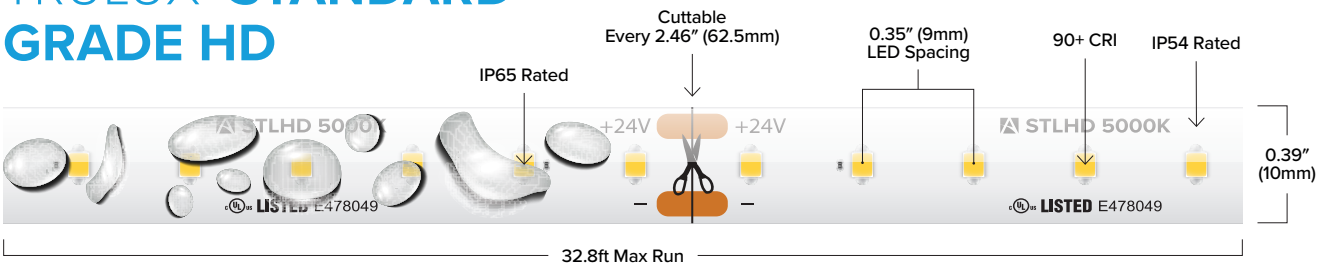
CUSTOM CUT IP54 TRULUX STANDARD GRADE COB ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS / FT	WATTAGE / FT	CRI	CUT INCREMENT
STL-COB-UWW-CC	Custom	2700K	16.4ft	180Lm/ft	2.19W/ft	90+	1.97″ (50mm)
STL-COB-WW-CC	Custom	3000K	16.4ft	200Lm/ft	2.19W/ft	90+	1.97″ (50mm)
STL-COB-NW-CC	Custom	3500K	16.4ft	200Lm/ft	2.19W/ft	90+	1.97″ (50mm)
STL-COB-WH-CC	Custom	4000K	16.4ft	220Lm/ft	2.19W/ft	90+	1.97″ (50mm)
STL-COB-CW-CC	Custom	5000K	16.4ft	220Lm/ft	2.19W/ft	90+	1.97″ (50mm)

Custom Cut: Order (1) CONKIT-CC Assembly Fee per length of tape; includes 6′ soldered lead wire and shrink tube cover; for additional wire add (1) TL-WIRE per ft*

**Custom Cut Lengths must be calculated in 1.97″ increments (Min 1ft / Max. 16.4ft).*

TRULUX™ STANDARD GRADE HD



IP54 TRULUX STANDARD GRADE HD ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
STLHD-UWW-16	16.4′	2700K	32.8ft	200Lm/ft	2.19W/ft	90+	2.46″ (62.5mm)
STLHD-UWW-100	100′	2700K	32.8ft	200Lm/ft	2.19W/ft	90+	2.46″ (62.5mm)
STLHD-WW-16	16.4′	3000K	32.8ft	210Lm/ft	2.19W/ft	90+	2.46″ (62.5mm)
STLHD-WW-100	100′	3000K	32.8ft	210Lm/ft	2.19W/ft	90+	2.46″ (62.5mm)
STLHD-NW-16	16.4′	3500K	32.8ft	220Lm/ft	2.19W/ft	90+	2.46″ (62.5mm)
STLHD-NW-100	100′	3500K	32.8ft	220Lm/ft	2.19W/ft	90+	2.46″ (62.5mm)
STLHD-WH-16	16.4′	4000K	32.8ft	235Lm/ft	2.19W/ft	90+	2.46″ (62.5mm)
STLHD-WH-100	100′	4000K	32.8ft	235Lm/ft	2.19W/ft	90+	2.46″ (62.5mm)
STLHD-CW-16	16.4′	5000K	32.8ft	230Lm/ft	2.19W/ft	90+	2.46″ (62.5mm)
STLHD-CW-100	100′	5000K	32.8ft	230Lm/ft	2.19W/ft	90+	2.46″ (62.5mm)

STLHD (IP54) 16.4′ Reels include: Attached 6′ lead wires / (3) TL-BLKS / (3) TL-CONKITS / (3) TL-2PWR-HD
STLHD (IP54) 100′ Reels include: Attached 6′ lead wires / (5) TL-BLKS / (5) TL-CONKITS / (5) TL-2PWR-HD

IP65 TRULUX STANDARD GRADE HD ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
STLHD65-UWW-16	16.4′	2700K	32.8ft	190Lm/ft	2.19W/ft	90+	2.46″ (62.5mm)
STLHD65-WW-16	16.4′	3000K	32.8ft	190Lm/ft	2.19W/ft	90+	2.46″ (62.5mm)
STLHD65-NW-16	16.4′	3500K	32.8ft	210Lm/ft	2.19W/ft	90+	2.46″ (62.5mm)
STLHD65-WH-16	16.4′	4000K	32.8ft	225Lm/ft	2.19W/ft	90+	2.46″ (62.5mm)
STLHD65-CW-16	16.4′	5000K	32.8ft	225Lm/ft	2.19W/ft	90+	2.46″ (62.5mm)

STLHD65 (IP65) 16.4′ Reels include: Attached 2′ IP65 lead wire + 6″ Conkit / Attached 2′ IP65 tail wire + 6″ Conkit / (3) TL-2PWR-HD

CUSTOM CUT IP54 & IP65 TRULUX STANDARD GRADE HD ORDERING INFORMATION

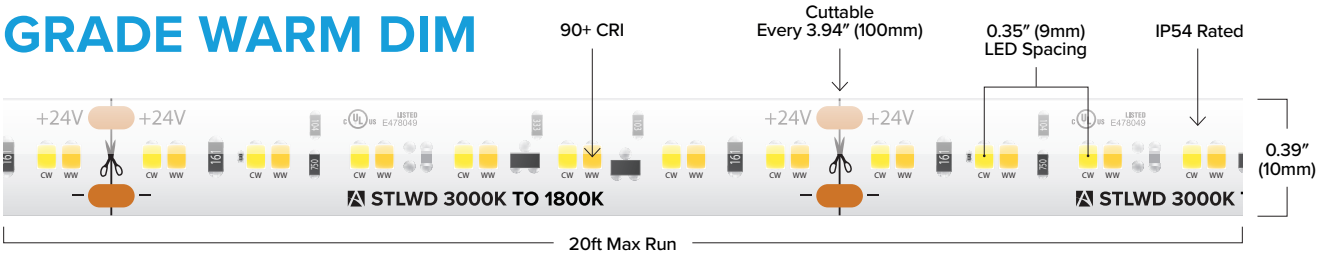
ITEM NUMBER	IP RATING	LENGTH	CUT INCREMENT
STLHD-UWW-CC	IP54	Custom	2.46″ (62.5mm)
STLHD-WW-CC	IP54	Custom	2.46″ (62.5mm)
STLHD-NW-CC	IP54	Custom	2.46″ (62.5mm)
STLHD-WH-CC	IP54	Custom	2.46″ (62.5mm)
STLHD-CW-CC	IP54	Custom	2.46″ (62.5mm)

ITEM NUMBER	IP RATING	LENGTH	CUT INCREMENT
STLHD65-UWW-CC	IP65	Custom	2.46″ (62.5mm)
STLHD65-WW-CC	IP65	Custom	2.46″ (62.5mm)
STLHD65-NW-CC	IP65	Custom	2.46″ (62.5mm)
STLHD65-WH-CC	IP65	Custom	2.46″ (62.5mm)
STLHD65-CW-CC	IP65	Custom	2.46″ (62.5mm)

*Custom Cut**: Order (1) CONKIT-CC Assembly Fee per length of tape; IP54 includes 3′ soldered lead wire and shrink tube cover—for additional wire, add (1) TL-WIRE per ft; IP65 includes 2′ IP65 lead wire + 6″ Conkit (no additional wire available for IP65 cuts)*

***Custom Cut Lengths must be calculated in 2.46″ increments (Min 1ft / Max. 32.8ft).*

TRULUX™ **STANDARD GRADE WARM DIM**



IP54 TRULUX STANDARD GRADE WARM DIM ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
STLWD-3018-16	16.4′	1800K–3000K	20ft	262Lm/ft	3W/ft	90+	3.94″ (100mm)

STLWD (IP54) 16.4′ Reels include: Attached 6′ lead wires / (3) TL-BLKS / (3) TL-CONKITS / (3) TL-2PWR-HD

CUSTOM CUT IP54 TRULUX STANDARD GRADE WARM DIM ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
STLWD-3018-CC	Custom	1800K–3000K	20ft	262Lm/ft	3W/ft	90+	3.94″ (100mm)

Custom Cut: Order (1) CONKIT-CC Assembly Fee per length of tape; includes 6′ soldered lead wire and shrink tube cover; for additional wire add (1) TL-WIRE per ft*

Nostalgic Ambiance

A DEEP DIVE INTO **WARM DIM TECHNOLOGY**

AN AGE-OLD TECHNOLOGY UPDATED FOR MODERN TIMES

When an incandescent lamp dims, the color temperature of that lamp naturally becomes warmer as the physical filament dims. It's a calming effect that has become almost subconscious to the human brain since the introduction of tungsten halogen lightbulbs. However, dimming a standard LED luminaire will not create this effect as the LEDs are set to a specific CCT, no matter how bright or dim they go.

Trulux Warm Dim tape light is specifically designed to create that same warm dimming effect with LED tape light. As the tape light dims, the CCT becomes warmer unlocking the potential for comforting ambiance and nostalgic vibes in any setting.

**Custom Cut Lengths must be calculated in 3.94″ increments (Min 1ft / Max. 20ft).*

TASK LIGHTING

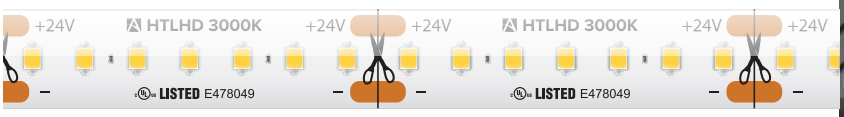
TRULUX™ HIGH OUTPUT — UP TO 310LM/FT

Page 22

TRULUX™ HIGH OUTPUT WARM DIM — UP TO 335LM/FT

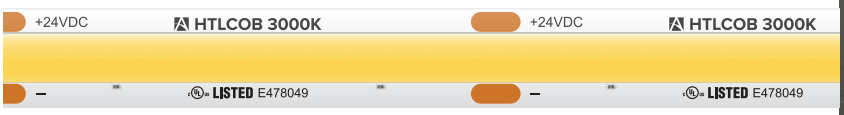
Page 23

TRULUX™ HIGH OUTPUT HD — UP TO 385LM/FT



Page 24

TRULUX™ HIGH OUTPUT COB — UP TO 460LM/FT

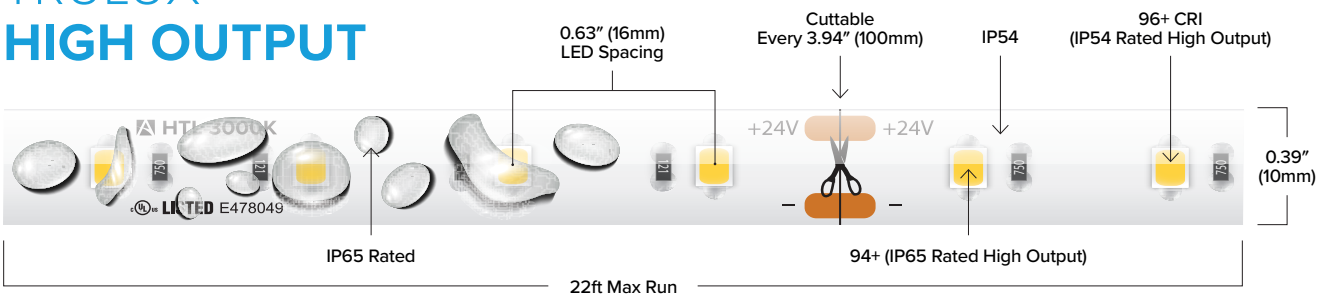


Page 25

BEST USED FOR:

- ✓ *Workstations*
- ✓ *Undercabinet Lighting*
- ✓ *Step Lighting*
- ✓ *Tool Benches*

TRULUX™
HIGH OUTPUT



IP54 TRULUX HIGH OUTPUT ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
HTL-UWW	16.4′	2700K	22ft	285Lm/ft	4.6W/ft	96+	3.94″ (100mm)
HTL-UWW-100	100′	2700K	22ft	285Lm/ft	4.6W/ft	96+	3.94″ (100mm)
HTL-WW	16.4′	3000K	22ft	300Lm/ft	4.6W/ft	96+	3.94″ (100mm)
HTL-WW-100	100′	3000K	22ft	300Lm/ft	4.6W/ft	96+	3.94″ (100mm)
HTL-WH	16.4′	4000K	22ft	310Lm/ft	4.6W/ft	96+	3.94″ (100mm)

HTL (IP54) 16.4′ Reels include: Attached 6′ lead wires / (3) TL-BLKS / (3) TL-CONKITS / (3) TL-2PWR-HD
HTL (IP54) 100′ Reels include: Attached 6′ lead wires / (5) TL-BLKS / (5) TL-CONKITS / (5) TL-2PWR-HD

IP65 TRULUX HIGH OUTPUT ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
HTL65-UWW	16.4′	2700K	22ft	260Lm/ft	4.6W/ft	94+	3.94″ (100mm)
HTL65-WW	16.4′	3000K	22ft	270Lm/ft	4.6W/ft	94+	3.94″ (100mm)

HTL65 (IP65) 16.4′ Reels include: Attached 2′ IP65 lead wire + 6″ Conkit / Attached 2′ IP65 tail wire + 6″ Conkit / (3) TL-2PWR-HD

CUSTOM CUT IP54 & IP65 TRULUX HIGH OUTPUT ORDERING INFORMATION

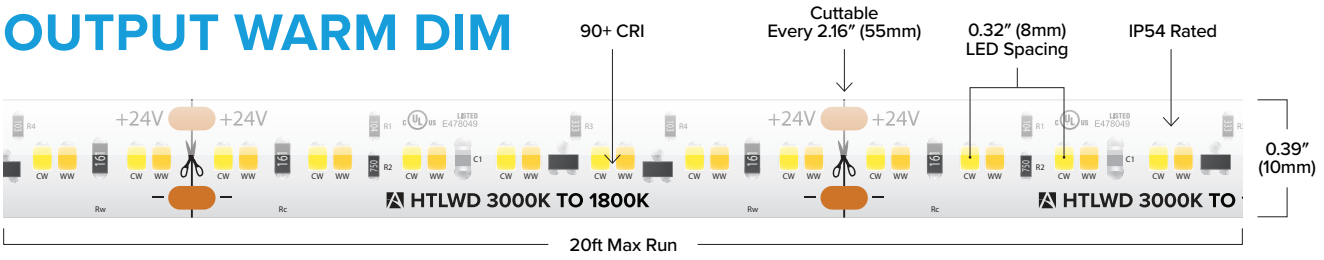
ITEM NUMBER	IP RATING	LENGTH	CUT INCREMENT
HTL-UWW-CC	IP54	Custom	3.94″ (100mm)
HTL-WW-CC	IP54	Custom	3.94″ (100mm)
HTL-WH-CC	IP54	Custom	3.94″ (100mm)

ITEM NUMBER	IP RATING	LENGTH	CUT INCREMENT
HTL65-UWW-CC	IP65	Custom	3.94″ (100mm)
HTL65-WW-CC	IP65	Custom	3.94″ (100mm)

Custom Cut: Order (1) CONKIT-CC Assembly Fee per length of tape; IP54 includes 3′ soldered lead wire and shrink tube cover—for additional wire, add (1) TL-WIRE per ft; IP65 includes 2′ IP65 Lead Wire + 6″ Conkit (no additional wire available for IP65 cuts)*

**Custom Cut Lengths must be calculated in 3.94″ increments (Min 1ft / Max. 22ft).*

TRULUX™ HIGH OUTPUT WARM DIM



IP54 TRULUX HIGHT OUTPUT WARM DIM ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
HTLWD-3018-16	16.4′	1800K–3000K	20ft	335Lm/ft	4W/ft	90+	2.16″ (55mm)

HTLWD (IP54) 16.4′ Reels include: Attached 6′ lead wire / (3) TL-CONKIT / (3) TL-BLKS / (3) TL-2PWR-HD

CUSTOM CUT IP54 TRULUX HIGHT OUTPUT WARM DIM ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
HTLWD-3018-16	Custom	1800K–3000K	20ft	335Lm/ft	4W/ft	90+	2.16″ (55mm)

*Custom Cut**: Order (1) CONKIT-CC Assembly Fee per length of tape; includes 6′ soldered lead wire and shrink tube cover; for additional wire add (1) TL-WIRE per ft*

WARM DIMMING & YOU
A HOW-TO GUIDE

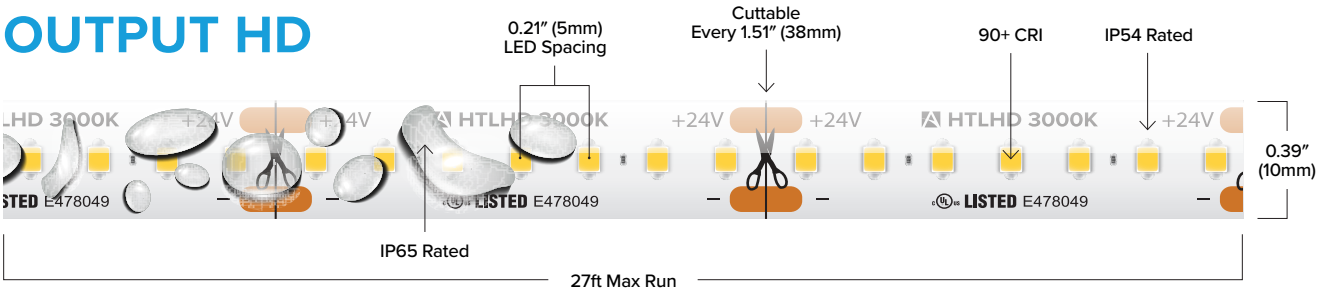
SIMPLE OPERATION FOR AN ADVANCED TECHNOLOGY

Trulux Warm Dim tape light creates a warm dimming effect that we are used to seeing from standard tungsten halogen lightbulbs. To do this, it utilizes multiple CCTs of white light LEDs and blends them accordingly as the light is dimmed. A process that might seem complicated to achieve.

However, this couldn't be further than the truth. The truth is, the tape light does most of the work. Warm Dim tape light works with any standard TRIAC dimmer and functions without any extra controls. Simple, exactly how it should be.

**Custom Cut Lengths must be calculated in 2.16" increments (Min 1ft / Max. 20ft).*

TRULUX™ HIGH OUTPUT HD



IP54 TRULUX HIGH OUTPUT HD ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
HTLHD-UWW-16	16.4′	2700K	27ft	310Lm/ft	3.65W/ft	90+	1.51″ (38mm)
HTLHD-UWW-100	100′	2700K	27ft	310Lm/ft	3.65W/ft	90+	1.51″ (38mm)
HTLHD-WW-16	16.4′	3000K	27ft	335Lm/ft	3.65W/ft	90+	1.51″ (38mm)
HTLHD-WW-100	100′	3000K	27ft	335Lm/ft	3.65W/ft	90+	1.51″ (38mm)
HTLHD-NW-16	16.4′	3500K	27ft	355Lm/ft	3.65W/ft	90+	1.51″ (38mm)
HTLHD-NW-100	100′	3500K	27ft	355Lm/ft	3.65W/ft	90+	1.51″ (38mm)
HTLHD-WH-16	16.4′	4000K	27ft	385Lm/ft	3.65W/ft	90+	1.51″ (38mm)
HTLHD-WH-100	100′	4000K	27ft	385Lm/ft	3.65W/ft	90+	1.51″ (38mm)
HTLHD-CW-16	16.4′	5000K	27ft	370Lm/ft	3.65W/ft	90+	1.51″ (38mm)
HTLHD-CW-100	100′	5000K	27ft	370Lm/ft	3.65W/ft	90+	1.51″ (38mm)

HTLHD (IP54) 16.4′ Reels include: Attached 6′ lead wires / (3) TL-BLKS / (3) TL-CONKITS / (3) TL-2PWR-HD
HTLHD (IP54) 100′ Reels include: Attached 6′ lead wires / (5) TL-BLKS / (5) TL-CONKITS / (5) TL-2PWR-HD

IP65 TRULUX HIGH OUTPUT HD ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
HTLHD65-UWW-16	16.4′	2700K	27ft	295Lm/ft	3.65W/ft	90+	1.51″ (38mm)
HTLHD65-WW-16	16.4′	3000K	27ft	320Lm/ft	3.65W/ft	90+	1.51″ (38mm)
HTLHD65-NW-16	16.4′	3500K	27ft	335Lm/ft	3.65W/ft	90+	1.51″ (38mm)
HTLHD65-WH-16	16.4′	4000K	27ft	365Lm/ft	3.65W/ft	90+	1.51″ (38mm)
HTLHD65-CW-16	16.4′	5000K	27ft	350Lm/ft	3.65W/ft	90+	1.51″ (38mm)

HTLHD65 (IP65) 16.4′ Reels include: Attached 2′ IP65 lead wire + 6″ Conkit / Attached 2′ IP65 tail wire + 6″ Conkit / (3) TL-2PWR-HD

CUSTOM CUT IP54 & IP65 TRULUX HIGH OUTPUT HD ORDERING INFORMATION

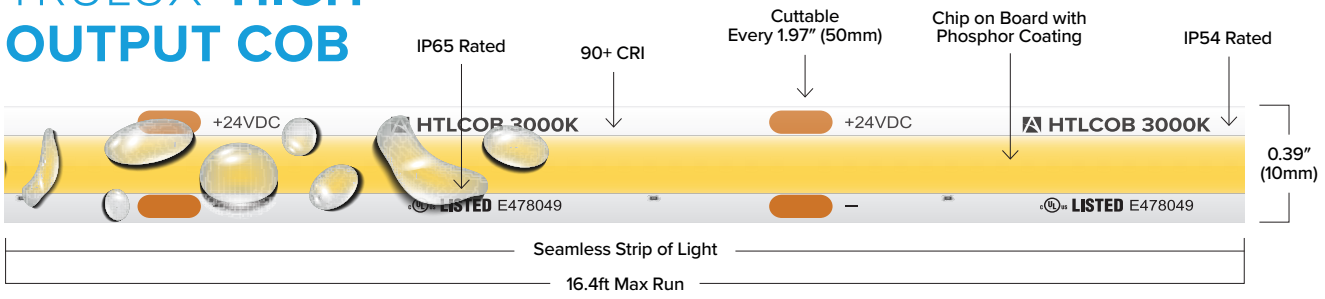
ITEM NUMBER	IP RATING	LENGTH	CUT INCREMENT
HTLHD-UWW-CC	IP54	Custom	1.51″ (38mm)
HTLHD-WW-CC	IP54	Custom	1.51″ (38mm)
HTLHD-NW-CC	IP54	Custom	1.51″ (38mm)
HTLHD-WH-CC	IP54	Custom	1.51″ (38mm)
HTLHD-CW-CC	IP54	Custom	1.51″ (38mm)

ITEM NUMBER	IP RATING	LENGTH	CUT INCREMENT
HTLHD-UWW-CC	IP65	Custom	1.51″ (38mm)
HTLHD-WW-CC	IP65	Custom	1.51″ (38mm)
HTLHD-NW-CC	IP65	Custom	1.51″ (38mm)
HTLHD-WH-CC	IP65	Custom	1.51″ (38mm)
HTLHD-CW-CC	IP65	Custom	1.51″ (38mm)

Custom Cut: Order (1) CONKIT-CC Assembly Fee per length of tape; includes 6′ soldered lead wire and shrink tube cover; for additional wire add (1) TL-WIRE per ft*

**Custom Cut Lengths must be calculated in 1.51″ increments (Min 1ft / Max. 27ft).*

TRULUX™ HIGH OUTPUT COB



IP54 TRULUX HIGH OUTPUT COB ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
HTL-COB-UWW-16	16.4′	2700K	16.4ft	369Lm/ft	4.5W/ft	90+	1.97″ (50mm)
HTL-COB-UWW-100	100′	2700K	16.4ft	369Lm/ft	4.5W/ft	90+	1.97″ (50mm)
HTL-COB-WW-16	16.4′	3000K	16.4ft	409Lm/ft	4.5W/ft	90+	1.97″ (50mm)
HTL-COB-WW-100	100′	3000K	16.4ft	409Lm/ft	4.5W/ft	90+	1.97″ (50mm)
HTL-COB-NW-16	16.4′	3500K	16.4ft	413Lm/ft	4.5W/ft	90+	1.97″ (50mm)
HTL-COB-NW-100	100′	3500K	16.4ft	413Lm/ft	4.5W/ft	90+	1.97″ (50mm)
HTL-COB-WH-16	16.4′	4000K	16.4ft	460Lm/ft	4.5W/ft	90+	1.97″ (50mm)
HTL-COB-WH-100	100′	4000K	16.4ft	460Lm/ft	4.5W/ft	90+	1.97″ (50mm)
HTL-COB-CW-16	16.4′	5000K	16.4ft	448Lm/ft	4.5W/ft	90+	1.97″ (50mm)
HTL-COB-CW-100	100′	5000K	16.4ft	448Lm/ft	4.5W/ft	90+	1.97″ (50mm)

HTL-COB (IP54) 16.4′ Reels include: Attached 6′ lead wires / (3) TL-BLKS / (3) TL-CONKITS / (3) TL-2PWR-HD
HTL-COB (IP54) 100′ Reels include: Attached 6′ lead wires / (5) TL-BLKS / (5) TL-CONKITS / (5) TL-2PWR-HD

IP65 TRULUX HIGH OUTPUT COB ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
HTL65-COB-UWW-16	16.4′	2700K	16.4ft	349Lm/ft	4.5W/ft	90+	1.97″ (50mm)
HTL65-COB-WW-16	16.4′	3000K	16.4ft	379Lm/ft	4.5W/ft	90+	1.97″ (50mm)
HTL65-COB-NW-16	16.4′	3500K	16.4ft	387Lm/ft	4.5W/ft	90+	1.97″ (50mm)
HTL65-COB-WH-16	16.4′	4000K	16.4ft	415Lm/ft	4.5W/ft	90+	1.97″ (50mm)
HTL65-COB-CW-16	16.4′	5000K	16.4ft	434Lm/ft	4.5W/ft	90+	1.97″ (50mm)

HTL65-COB (IP65) 16.4′ Reels include: Attached 2′ IP65 lead wire + 6″ Conkit / Attached 2′ IP65 tail wire + 6″ Conkit / (3) TL-2PWR-HD

CUSTOM CUT IP54 & IP65 TRULUX HIGH OUTPUT COB ORDERING INFORMATION

ITEM NUMBER	IP RATING	LENGTH	CUT INCREMENT
HTL-COB-UWW-CC	IP54	Custom	1.97″ (50mm)
HTL-COB-WW-CC	IP54	Custom	1.97″ (50mm)
HTL-COB-NW-CC	IP54	Custom	1.97″ (50mm)
HTL-COB-WH-CC	IP54	Custom	1.97″ (50mm)
HTL-COB-CW-CC	IP54	Custom	1.97″ (50mm)

ITEM NUMBER	IP RATING	LENGTH	CUT INCREMENT
HTL65-COB-UWW-CC	IP65	Custom	1.97″ (50mm)
HTL65-COB-WW-CC	IP65	Custom	1.97″ (50mm)
HTL65-COB-NW-CC	IP65	Custom	1.97″ (50mm)
HTL65-COB-WH-CC	IP65	Custom	1.97″ (50mm)
HTL65-COB-CW-CC	IP65	Custom	1.97″ (50mm)

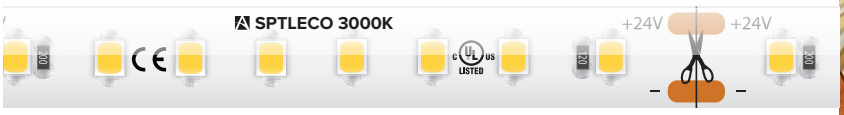
*Custom Cut**: Order (1) CONKIT-CC Assembly Fee per length of tape; IP54 includes 3′ soldered lead wire and shrink tube cover—for additional wire, add (1) TL-WIRE per ft; IP65 includes 2′ IP65 lead wire + 6″ Conkit (no additional wire available for IP65 cuts)*

***Custom Cut Lengths must be calculated in 1.97″ increments (Min 1ft / Max. 16.4ft).*

AMBIENT LIGHTING

TRULUX™ SPEC ECO

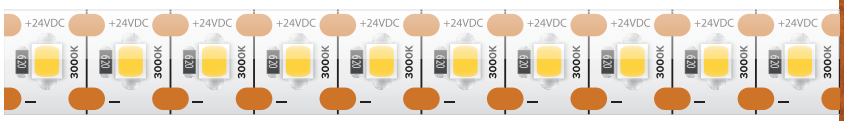
UP TO 640LM/FT



Page 29

TRULUX™ SPEC GRADE ULTRA

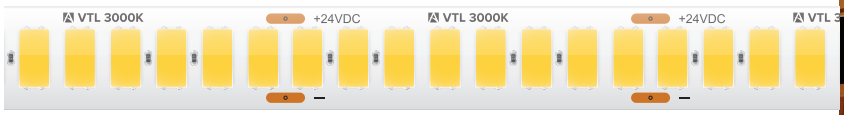
UP TO 650LM/FT



Page 30

TRULUX™ VEGA

UP TO 1163LM/FT

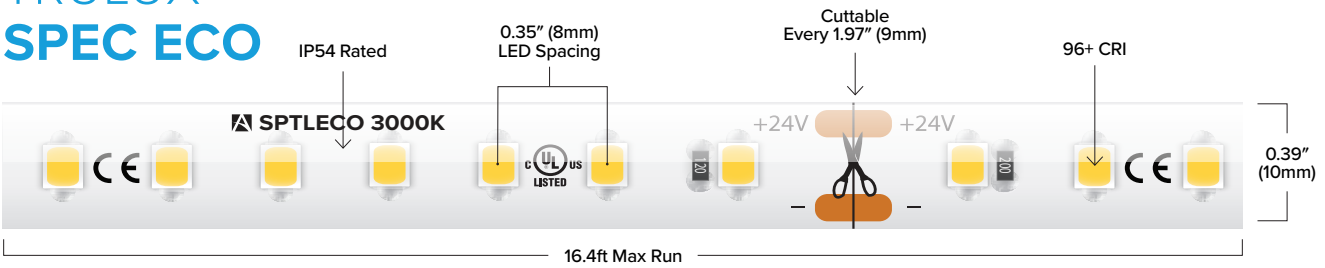


Page 31

BEST USED FOR:

- ✓ *Performance Coves*
- ✓ *Security Lighting*
- ✓ *In-wall Applications*
- ✓ *Exposed Beams*

TRULUX™
SPEC ECO



IP54 TRULUX SPEC ECO ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
SPTLECO-UWW	16.4′	2700K	16.4ft	556Lm/ft	5.8W/ft*	96+	2.8″ (71mm)
SPTLECO-WW	16.4′	3000K	16.4ft	585Lm/ft	5.8W/ft*	96+	2.8″ (71mm)
SPTLECO-NW	16.4′	3500K	16.4ft	615Lm/ft	5.8W/ft*	96+	2.8″ (71mm)
SPTLECO-WW	16.4′	4000K	16.4ft	640Lm/ft	5.8W/ft*	96+	2.8″ (71mm)

SPTLECO (IP54) 16.4′ Reels include: Attached 6′ lead wires / (3) TL-BLKS / (3) TL-CONKITS / (3) TL-2PWR-HD

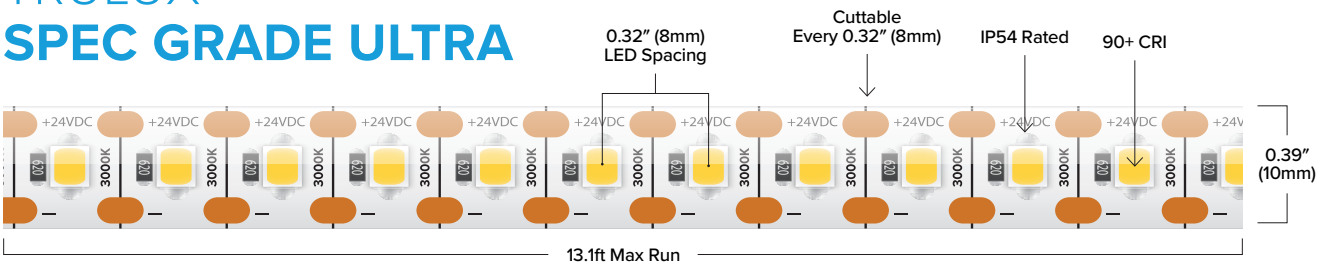
CUSTOM CUT IP54 TRULUX SPEC ECO ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
SPTLECO-UWW-CC	Custom	2700K	16.4ft	556Lm/ft	5.8W/ft*	96+	2.8″ (71mm)
SPTLECO-WW-CC	Custom	3000K	16.4ft	585Lm/ft	5.8W/ft*	96+	2.8″ (71mm)
SPTLECO-NW-CC	Custom	3500K	16.4ft	615Lm/ft	5.8W/ft*	96+	2.8″ (71mm)
SPTLECO-WW-CC	Custom	4000K	16.4ft	640Lm/ft	5.8W/ft*	96+	2.8″ (71mm)

*Custom Cut**: Order (1) CONKIT-CC Assembly Fee per length of tape; includes 6′ soldered lead wire and shrink tube cover; for additional wire add (1) TL-WIRE per ft*

*For tape light greater than 5W/ft, ALWAYS mount via an aluminum extrusion to allow proper dissipation of heat.
**Custom Cut Lengths must be calculated in 2.8" increments (Min 1ft / Max. 16.4ft).

TRULUX™
SPEC GRADE ULTRA



IP54 TRULUX SPEC GRADE ULTRA ORDERING INFORMATION

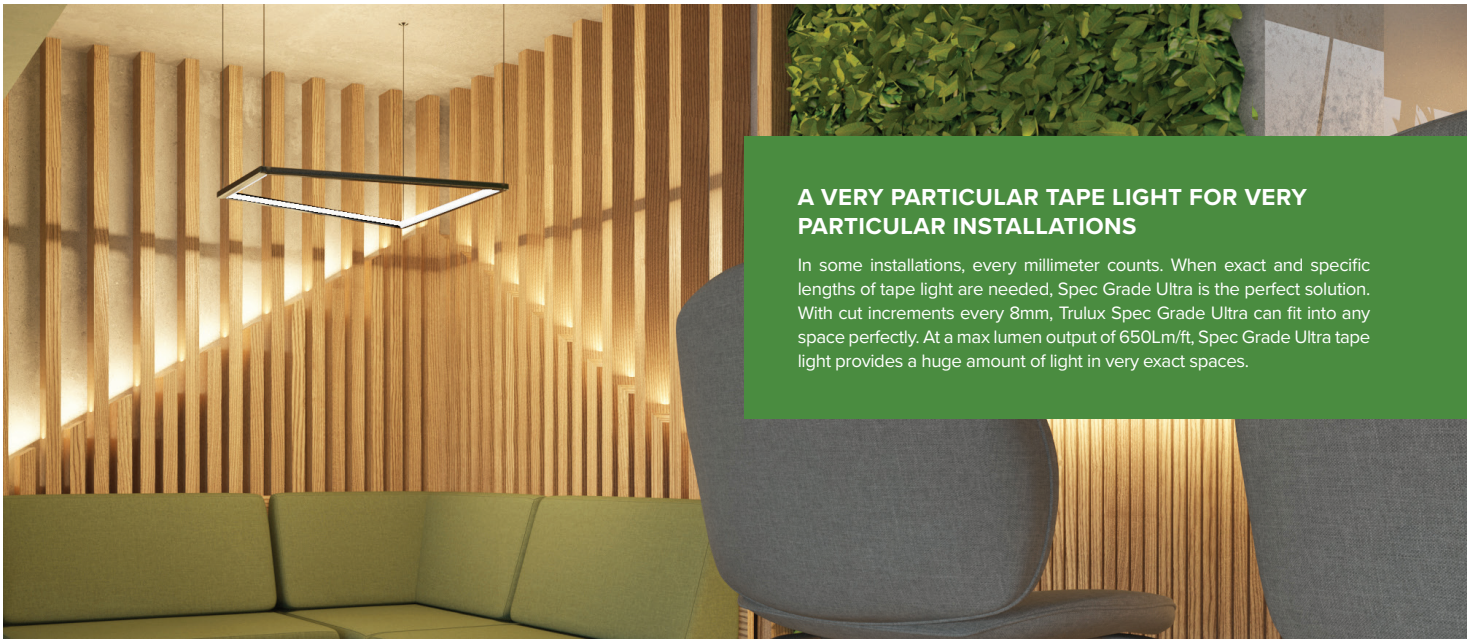
ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
SPTLX-UWW-13	13.1′	2700K	13.1ft	550Lm/ft	7W/ft*	90+	0.32″ (8mm)
SPTLX-WW-13	13.1′	3000K	13.1ft	600Lm/ft	7W/ft*	90+	0.32″ (8mm)
SPTLX-NW-13	13.1′	3500K	13.1ft	620Lm/ft	7W/ft*	90+	0.32″ (8mm)
SPTLX-WH-13	13.1′	4000K	13.1ft	650Lm/ft	7W/ft*	90+	0.32″ (8mm)

SPTLX (IP54) 13.1′ Reels include: Attached 6′ lead wires / (3) TL-BLKS / (3) TL-CONKITS / (3) TL-2PWR-HD

CUSTOM CUT IP54 TRULUX SPEC GRADE ULTRA ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
SPTLX-UWW-CC	Custom	2700K	13.1ft	550Lm/ft	7W/ft*	90+	0.32″ (8mm)
SPTLX-WW-CC	Custom	3000K	13.1ft	600Lm/ft	7W/ft*	90+	0.32″ (8mm)
SPTLX-NW-CC	Custom	3500K	13.1ft	620Lm/ft	7W/ft*	90+	0.32″ (8mm)
SPTLX-WH-CC	Custom	4000K	13.1ft	650Lm/ft	7W/ft*	90+	0.32″ (8mm)

*Custom Cut**: Order (1) CONKIT-CC Assembly Fee per length of tape; includes 6′ soldered lead wire and shrink tube cover; for additional wire add (1) TL-WIRE per ft*

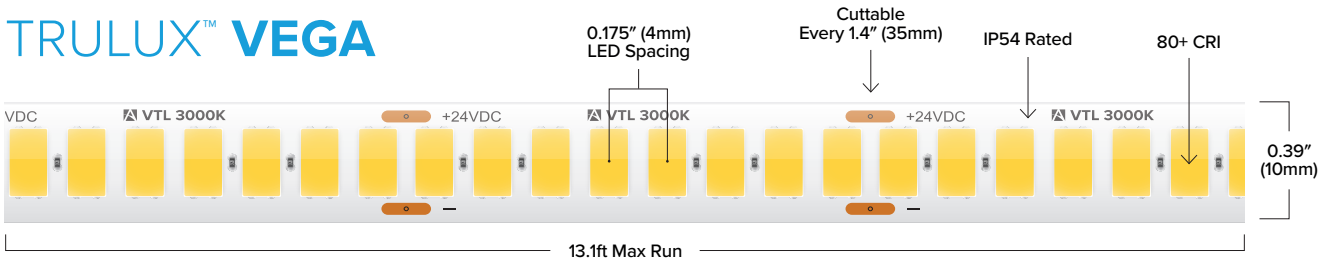


A VERY PARTICULAR TAPE LIGHT FOR VERY PARTICULAR INSTALLATIONS

In some installations, every millimeter counts. When exact and specific lengths of tape light are needed, Spec Grade Ultra is the perfect solution. With cut increments every 8mm, Trulux Spec Grade Ultra can fit into any space perfectly. At a max lumen output of 650Lm/ft, Spec Grade Ultra tape light provides a huge amount of light in very exact spaces.

*For tape light greater than 5W/ft, ALWAYS mount via an aluminum extrusion to allow proper dissipation of heat.
**Custom Cut Lengths must be calculated in 0.32″ increments (Min 1ft / Max. 13.1ft).

TRULUX™ VEGA



IP54 TRULUX VEGA ORDERING INFORMATION

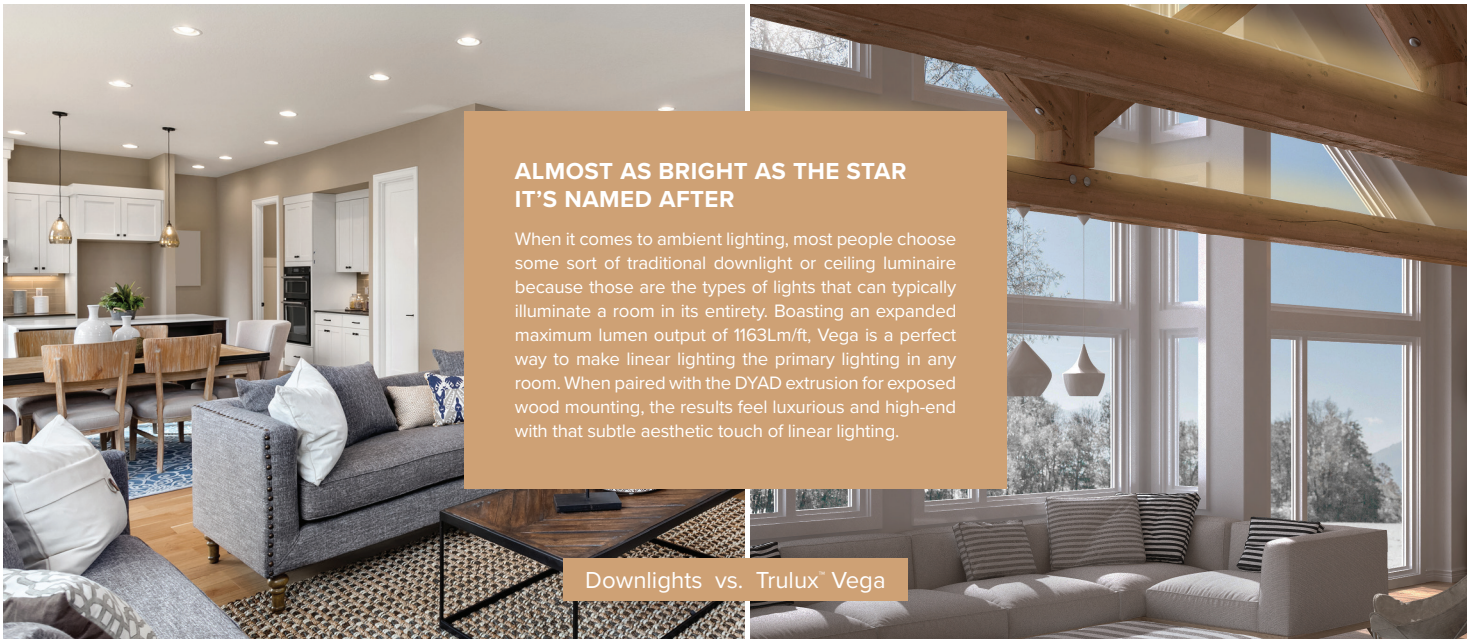
ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
VTL-UWW-13	13.1′	2700K	13.1ft	1030Lm/ft	7W/ft†	80+	1.4″ (35mm)
VTL-WW-13	13.1′	3000K	13.1ft	1090Lm/ft	7W/ft†	80+	1.4″ (35mm)
VTL-NW-13	13.1′	3500K	13.1ft	1140Lm/ft	7W/ft†	80+	1.4″ (35mm)
VTL-WH-13	13.1′	4000K	13.1ft	1163Lm/ft	7W/ft†	80+	1.4″ (35mm)

VTL (IP54) 13.1′ Reels include: Attached 6′ lead wires / (3) TL-BLKS / (3) TL-CONKITS / (3) TL-2PWR-HD

CUSTOM CUT IP54 TRULUX VEGA ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
VTL-UWW-CC	Custom	2700K	13.1ft	1030Lm/ft	7W/ft†	80+	1.4″ (35mm)
VTL-WW-CC	Custom	3000K	13.1ft	1090Lm/ft	7W/ft†	80+	1.4″ (35mm)
VTL-NW-CC	Custom	3500K	13.1ft	1140Lm/ft	7W/ft†	80+	1.4″ (35mm)
VTL-WH-CC	Custom	4000K	13.1ft	1163Lm/ft	7W/ft†	80+	1.4″ (35mm)

Custom Cut‡: Order (1) CONKIT-CC Assembly Fee per length of tape; includes 6′ soldered lead wire and shrink tube cover; for additional wire add (1) TL-WIRE per ft

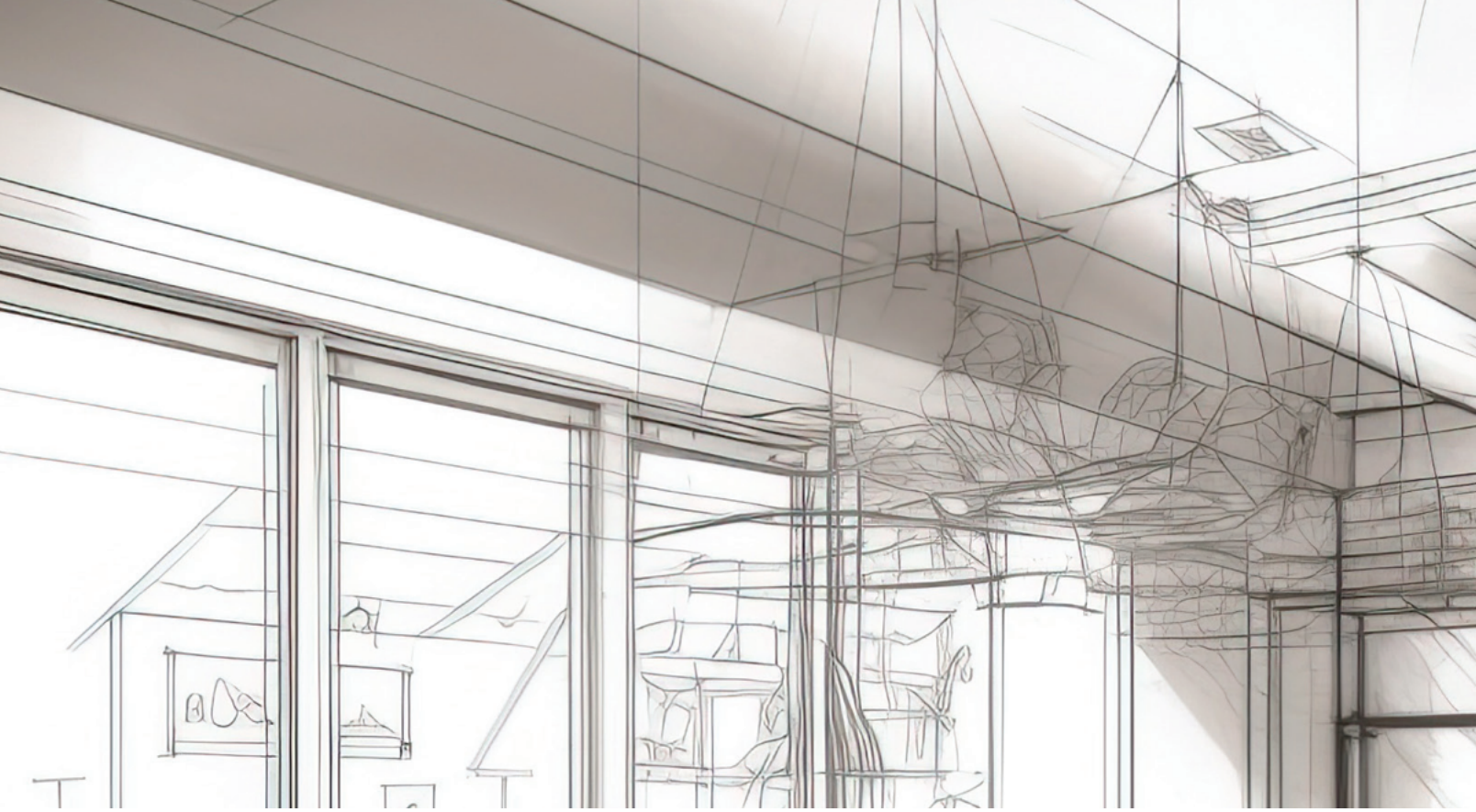


ALMOST AS BRIGHT AS THE STAR IT'S NAMED AFTER

When it comes to ambient lighting, most people choose some sort of traditional downlight or ceiling luminaire because those are the types of lights that can typically illuminate a room in its entirety. Boasting an expanded maximum lumen output of 1163Lm/ft, Vega is a perfect way to make linear lighting the primary lighting in any room. When paired with the DYAD extrusion for exposed wood mounting, the results feel luxurious and high-end with that subtle aesthetic touch of linear lighting.

Downlights vs. Trulux™ Vega

†For tape light greater than 5W/ft, ALWAYS mount via an aluminum extrusion to allow proper dissipation of heat.
‡Custom Cut Lengths must be calculated in 1.4″ increments (Min 1ft / Max. 13.1ft).



STEP 2: SPECIFY CONTROLS

Feel Free to Be Controlling

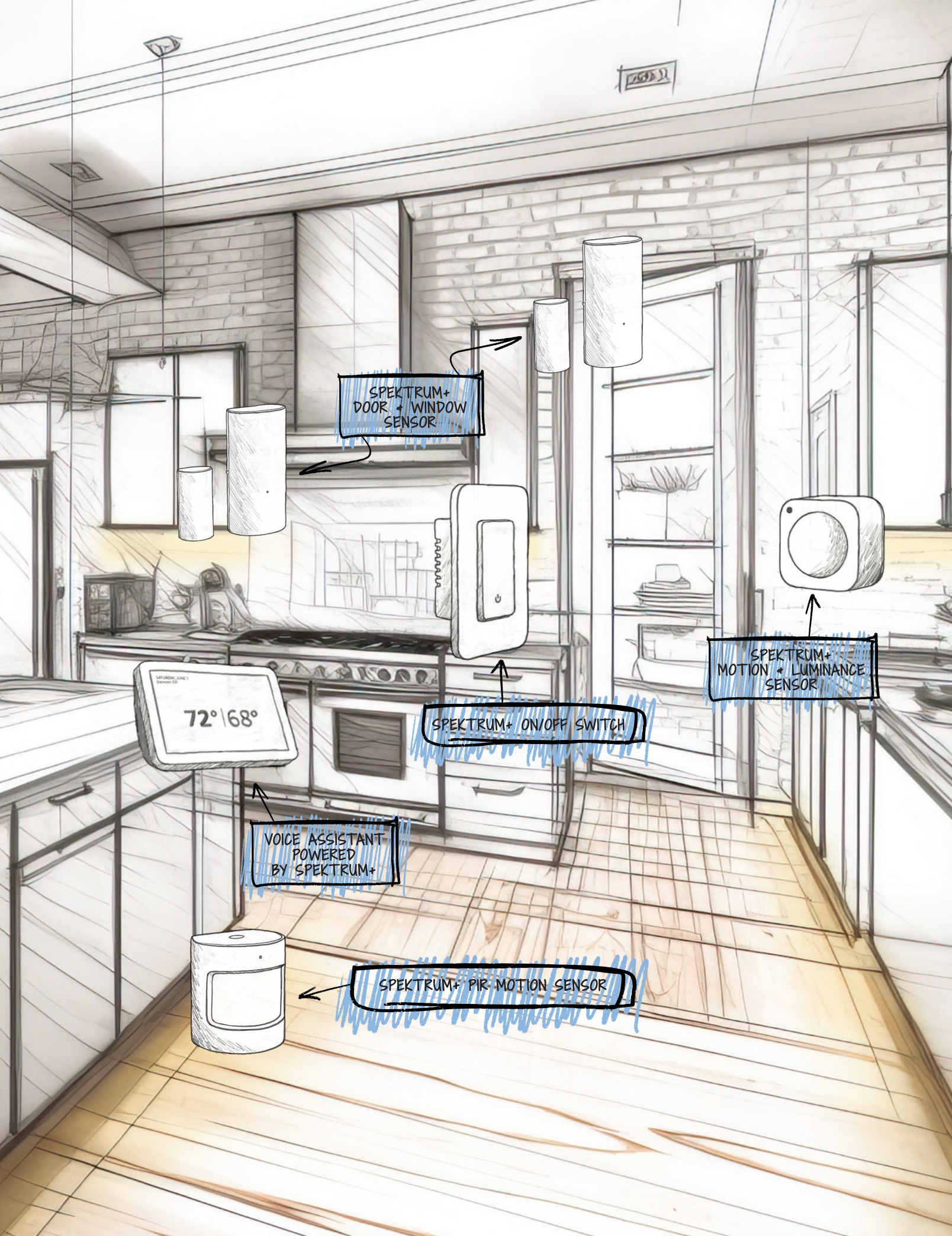
LEARN MORE ON *Pages 96–97*

Lighting controls are needed for a lighting system in order to, you guessed it, control everything. Beyond the actual controlling of a system, lighting controls are a necessity to create perfect ambiance and set whatever mood the end-user is feeling. It's easy to get caught up in the technicalities of lighting controls and forget that the end goal of a lighting system is to enhance the lives of the people using it.

Trulux tape light is available in three different kinds of white light varieties: Static White, Warm Dim, and Tunable White (see color changing tape light for more info on Tunable White). Each type fits different scenarios and can be controlled in multiple ways per type of light. To create the ideal mood and atmosphere in a space, choosing the best control method and controller is essential. Depending on what type of tape light is being used, either a traditional 120V switch/dimmer or a Spektrum+ Bluetooth-controlled Smart switch/dimmer can be utilized to control a system. It all comes down to how the end-user wants to control the light in a room.

TRULUX WHITE LIGHT SYSTEM GUIDE

Tape Light Selection		Controller Selection		Power Supply Selection		Connectors Selection		Extrusion Selection
1	+	2	+	3	+	4	+	5


SPEKTRUM+
DOOR + WINDOW
SENSOR
SPEKTRUM+ ON/OFF SWITCH
SPEKTRUM+
MOTION + LUMINANCE
SENSOR
72°|68°
VOICE ASSISTANT
POWERED
BY SPEKTRUM+
SPEKTRUM+ PIR MOTION SENSOR

WHY **TRADITIONAL DIMMERS?**

Considerations When Choosing a Hardwired Dimmer or Switch

Straight-forward, easy to use, and a breeze to install, traditional 120V dimmers are a staple in the industry for good reason. Most people can recognize and instinctively use a traditional 120V dimmer or switch, as non-LED lights have utilized the same style switches for years. Consider installing a traditional 120V dimmer when the end-user is only needing to toggle power or dim the lights in a room.

TRADITIONAL 120V DIMMER PROS

- **FAMILIARITY**
  Practically everyone has used a standard hardwired switch or dimmer to control lights
- **COST EFFICIENCY**
  They don't use advanced technology so pricing is usually more economical
- **EASE OF USE & INSTALL**
  Standard installation and setup for ease of use and initial setup
- **SIMPLICITY**
  Overall simplicity makes standard switches and dimmers a staple in the industry

TRADITIONAL 120V DIMMER CONS

- **NO SMART FEATURES**
  Simple to use, but the functionality is much more limited than their "smart" counterparts
- **COMPATIBILITY ISSUES**
  Not all hardwired dimmers are capable of properly controlling tape light
- **NOISY**
  In some cases, hardwired dimmers can create a faint buzzing sound when they are in use

HARDWIRED DIMMING CONTROLS

SWITCHEX® DRIVER & DIMMER COMBO

SWITCHEX® simplifies LED array lighting systems by combining an in-wall LED dimmer switch and power supply into a single integrated unit. SWITCHEX mounts in a standard in-wall switch box, accepts 120V AC and converts to low voltage DC. SWITCHEX is compatible with most 24V DC tape light and fixtures.

FEATURES & BENEFITS

- Adjustable voltage output dial to address voltage drop
- Includes voltage barrier partition for line and low voltage installation
- No derating required when ganging units
- Power failure memory recalls settings prior to interrupt

60W TECHNICAL & ORDERING INFORMATION

Order Number:	SWX-60-24
Input Voltage:	120V AC
Output Voltage:	24V DC
Max Load:	60W
Dimming:	5–100%
Rating:	cULus for Indoor Use

100W TECHNICAL & ORDERING INFORMATION

Order Number:	SWX-100-24
Input Voltage:	120V AC
Output Voltage:	24V DC
Max Load:	100W
Dimming:	5–100%
Rating:	cULus for Indoor Use

SWITCHEX DIMMER & DRIVER COMBO NOT COMPATIBLE WITH TRULUX™ STANDARD GRADE TAPE LIGHT, TRULUX™ STANDARD WARM DIM TAPE LIGHT, AND TRULUX HIGH OUTPUT WARM DIM TAPE LIGHT

TRADITIONAL 120V ELV/MLV/TRIAC DIMMER

As the saying goes, if it's not broken, don't fix it. Traditional 120V dimmers are a prime example of this, as they have been in use since their invention in the 1960s. One of the easiest to use and most straightforward to install lighting controls, traditional 120V dimmers work with many types of Trulux tape light, including Warm Dim models.

FEATURES & BENEFITS

- Cost effective dimming solution
- Many models and designs to fit whatever setting
- Easy to install for remodel or new construction
- Energy efficient

NOT SOLD BY AMERICAN LIGHTING. PLEASE CONTACT YOUR NEAREST DISTRIBUTOR FOR MORE INFORMATION.

WHY **SMART LIGHTING?**

Considerations When Choosing a Spektrum+ Smart Dimmer, Sensor, or Switch

Smart lighting systems are becoming more and more popular in homes and businesses. The biggest reasons for this are how much control they give users, and how seamlessly they integrate into everyday life. Multiple control interfaces, both hardware and software based, as well as sensors and voice assistant compatibility make smart lighting an easy choice. The future of lighting is now, and that future is built on smart technology.

SMART LIGHTING PROS

- ▲ **CONTROL VERSATILITY**
  Control with a physical switch or dimmer, as well as the Spektrum+ App
- ▲ **SMART DEVICE INTEGRATION**
  Use voice commands with Google or Amazon Smart Assistant devices
- ▲ **CONTROL AWAY FROM HOME**
  Control every aspect of your system from anywhere in the world
- ▲ **HUMAN-CENTRIC LIGHTING**
  Create schedules and programs that follow natural circadian rhythm
- ▲ **SMART SENSORS**
  Save money with motion, light, and weather sensors

SMART LIGHTING CONS

- ▼ **ADDITIONAL ACCESSORIES REQUIRED**
  Smart switches and dimmers require additional hardware for full functionality
- ▼ **ADVANCED INITIAL SETUP**
  It takes more time to program and install smart switches and dimmers
- ▼ **RELIABILITY**
  Although today's wireless technology is more reliable than ever, signal drops and interference are still possible

SPEKTRUM+ **SMART LIGHTING CONTROLS**

SPEKTRUM+ SMART SWITCHES

Spektrum+ 120V Dimmer Switch

The Spektrum+™ Smart Dimmer Switch Wall Plate enables connection of line voltage lighting to the Spektrum+™ Smart app. Use the app to turn the lights On and Off, adjust brightness, or set automated schedules. Great for adding smart app-based controls to existing dimmable lighting systems that don't have built-in smart capabilities. The switch can also be used manually.

FEATURES & BENEFITS

- Set automated schedules for home automation
- Intuitive touch sensitive manual dimming design
- Stylish design fits seamlessly into any decor
- Trailing edge 3-way control
- Fits standard single gang junction box

TECHNICAL & ORDERING INFORMATION

Order Number:	SPKPL-120VDIM-WH
Input Voltage:	120V AC
Output Voltage:	120V AC
Power:	300W (INC), 250W (LED and CFL)
Rating:	ETLus for Indoor Use, FCC Compliant, RoHS

Spektrum+ On/Off Switch

The Spektrum+™ On/Off Switch enables connection of line voltage lighting to the Spektrum+™ Smart app. Use the app to turn the lights On and Off or set automated schedules. Perfect for adding smart app-based controls to existing On/Off lighting systems that don't have built-in smart capabilities. The switch can also be used manually.

FEATURES & BENEFITS

- Set automated schedules for home automation
- Stylish design fits seamlessly into any decor
- 3-way control, Relay
- 500,000 presses button life
- Fits standard single gang junction box

TECHNICAL & ORDERING INFORMATION

Order Number:	SPKPL-120VSW-WH
Input Voltage:	120V AC
Output Voltage:	120V AC
Power:	1200W
Rating:	ETLus for Indoor Use, RoHS

SPEKTRUM+ **SMART LIGHTING CONTROLS**

SPEKTRUM+ SMART SWITCHES

Spektrum+ Smart Switch & Remote

The Spektrum+ Smart Switch is a streamlined Bluetooth control alternative to the Spektrum Smart App. The Smart Switch features built in RGB and tunable white settings with dimming levels to set your favorite color temp or brightness. With a magnetic dock, you can remove the switch from the wall plate and use as hand-held remote for greater control freedom.

FEATURES & BENEFITS

- Control multiple Spektrum+ fixtures simultaneously: Downlights, Lamps, Smart Receivers, Landscape Lights, and more!
- Use in addition to the Spektrum+ Smart Lighting App
- Save dedicated scenes or favorite settings with a push of a button
- Up to 25 meter signal range - Signal range may vary due to potential interference

TECHNICAL & ORDERING INFORMATION

Order Number:	SPKPL-CTRL-W-RGBTW
Input Voltage:	3V / CR2 Lithium Battery
Frequency:	2.4GHz
Signal:	Bluetooth
Rating:	Dry Location

SPEKTRUM+ SMART RECEIVER

Spektrum+ Smart Receiver

Spektrum+ Smart Lighting's new 5-channel Bluetooth® Mesh Receiver allows users to integrate smart device lighting control to any low voltage lighting product. Featuring dedicated controls for multi-type lighting, the Spektrum Smart Receiver is a smart choice for retrofit or new construction applications wanting smart control and connectivity.

FEATURES & BENEFITS

- Control multiple types of lighting: Single Color, Tunable CCT, RGB, RGBW, RGB+TW
- Upgrade existing lighting fixtures to be IoT connected
- Perfect for controlling nearly any type of 12-24V DC products
- 4A per channel maximum load (at 24V DC)

TECHNICAL & ORDERING INFORMATION

Order Number:	SPKPL-REC-TB-5CH
Input Voltage:	12-24V DC
Output Voltage:	12-24V DC
Signal:	Bluetooth
Rating:	Dry Location, FCC Compliant

SPEKTRUM+ **SMART LIGHTING CONTROLS**

SPEKTRUM+ SMART SENSORS

Spektrum+ PIR Motion Sensor

Readily integrating with an existing lighting system, the Spektrum+ Motion Sensor adopts super low-power wireless technology in detecting movement and adjusting ambiance in real-time. This smart motion sensor allows for a longer battery life, and detects movement by day and night. Suitable for safety protection applications, the Spektrum+ Motion Sensor detects motion up to seven meters.

TECHNICAL & ORDERING INFORMATION

Order Number:	SPKPL-SNS-PIR-WH
Input Voltage:	3V / CR2 Lithium Battery
Frequency:	2.4GHz
Signal:	Bluetooth
Rating:	Dry Location

Spektrum+ Door & Window Sensor

Easily integrate doors and windows into the Spektrum+ system with the addition of the Door & Window Sensor which automate lighting systems to initiate upon entry. With super low power wireless technology, this sensor connects via the Spektrum+ Lighting App to detect state change of any door or window. Sleek in profile and simplistic in design, the Spektrum+ Window & Door Sensor integrates as readily into an existing Spektrum+ system as it does into any interior aesthetic.

TECHNICAL & ORDERING INFORMATION

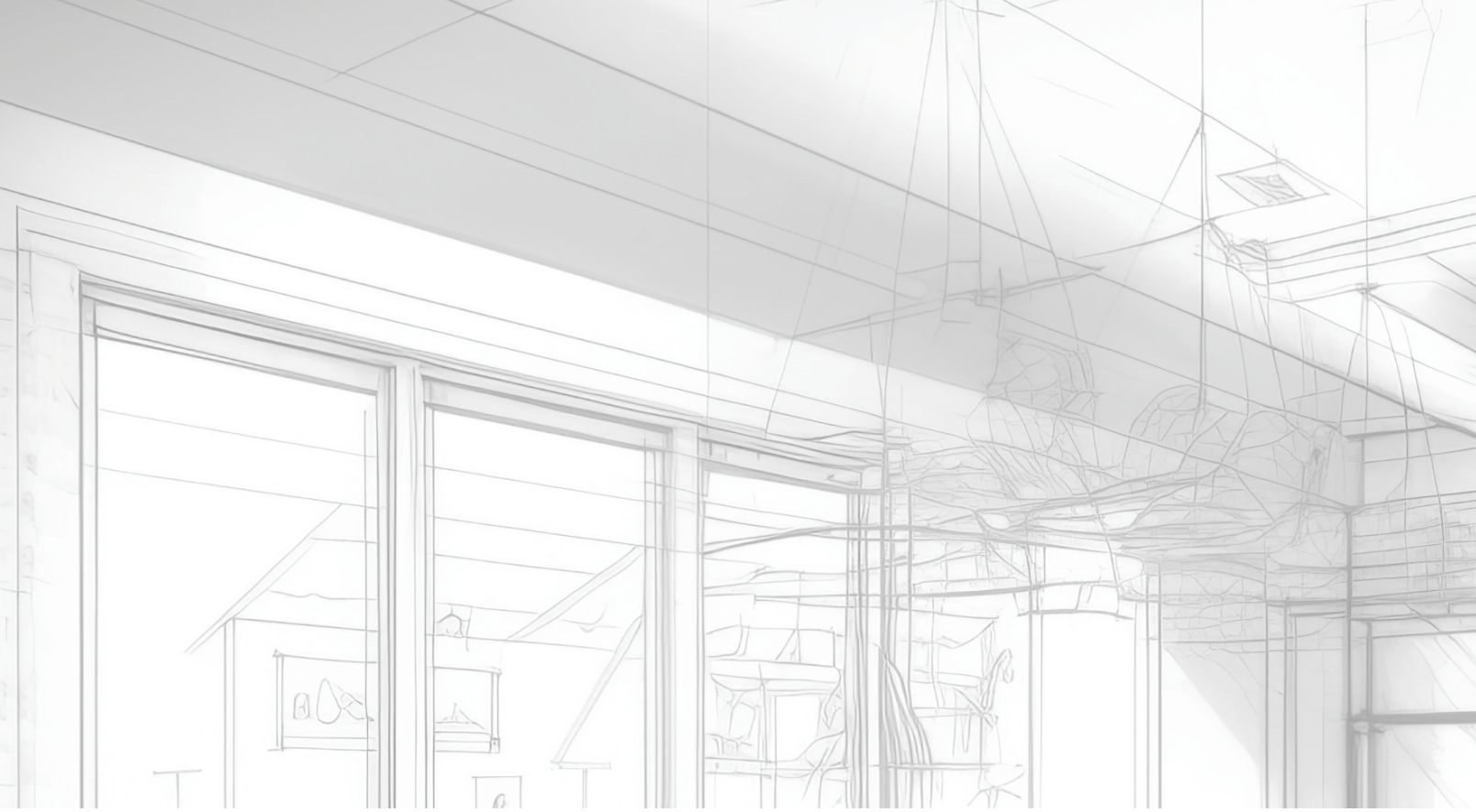
Order Number:	SPKPL-SNS-CNTCT-WH
Input Voltage:	3V / CR2 Lithium Battery
Frequency:	2.4GHz
Signal:	Bluetooth
Rating:	Dry Location

Spektrum+ PIR Motion & Luminance Sensor

Level up your Spektrum+ Smart Lighting System with the Spektrum+ Motion & Light Sensor and enable total control over room ambiance, and longer battery life, with super low-power wireless technology. With a seven meter detection distance and ability to measure ambient light levels, this sensor allows for real-time monitoring, whether by day or night.

TECHNICAL & ORDERING INFORMATION

Order Number:	SPKPL-SNS-PIRLUX-WH
Input Voltage:	3V / CR2 Lithium Battery
Frequency:	2.4GHz
Signal:	Bluetooth
Rating:	Dry Location



STEP 3: SPECIFY POWER SUPPLIES

It Doesn't Have to Be a Power Struggle

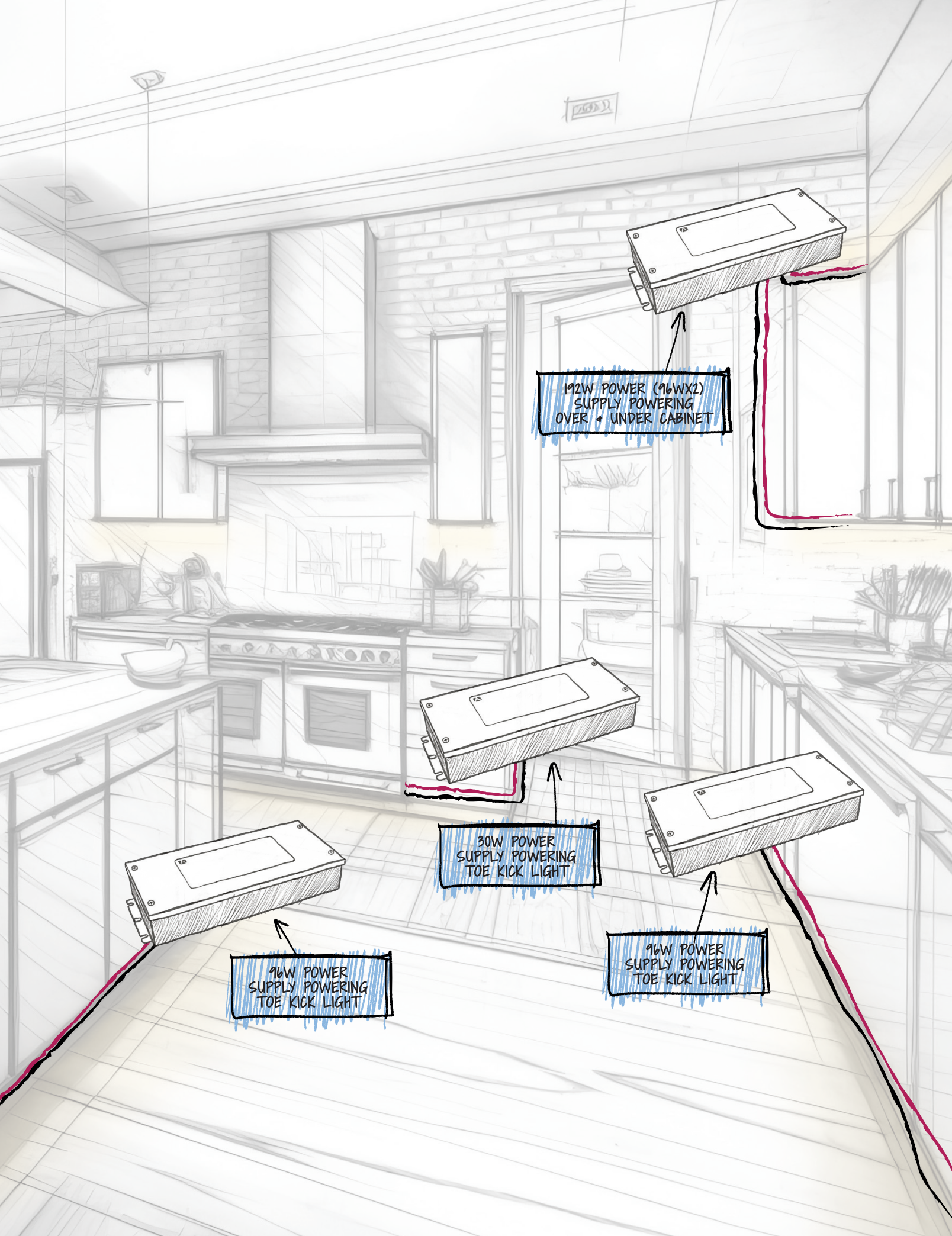
LEARN MORE ON *Pages 92–93*

There are multiple driver options to power Trulux tape light, from adaptive power supplies to constant voltage drivers and everything in between. The variety of choices can make choosing the best power supply daunting, but it also opens up avenues to optimize the overall power for an entire system.

The ideal power supply is dependent on three main factors: what kind of luminaire is being used, how it is being controlled, and how far apart everything will be once installed. Once the type of light fixtures and controller options have been chosen, the power supply choices can be narrowed down and selected based on the distance they will physically be from the rest of the system. Multiple types of power supplies can also be utilized in the same system. In order to maintain ideal power levels and system operation, each run of tape light should be powered by the same family of power supplies. With power supplies, safety is the number one thing to consider.

TRULUX WHITE LIGHT SYSTEM GUIDE

Tape Light Selection		Controller Selection		Power Supply Selection		Connectors Selection		Extrusion Selection
1	+	2	+	3	+	4	+	5


192W POWER (96WX2)
SUPPLY POWERING
OVER + UNDER CABINET
30W POWER
SUPPLY POWERING
TOE KICK LIGHT
96W POWER
SUPPLY POWERING
TOE KICK LIGHT
96W POWER
SUPPLY POWERING
TOE KICK LIGHT

TRULUX™ TAPE LIGHT **POWER SUPPLY CONSIDERATIONS**

CLASS 2 VS. NON-CLASS 2

Classifying power supplies is crucial in making sure the correct and most ideal power supply is chosen per use. To differentiate the types of power supplies, a Class 2 rating is given to power supplies that meet specific safety regulations to limit the overall voltage output. Class 2 power supplies mitigate the risk of hazardous conditions and potential fire hazards internally. Even though Non-class 2 power supplies aren't held to the same standards, they are still safe to use and precautionary measures are in place to make sure they function safely and correctly.

REMODEL VS. NEW CONSTRUCTION

On a new construction project that is being built from the ground up, the lighting design will determine what kind of power supplies and wiring are needed. Being able to designate exactly where the power supplies will be installed helps optimize a lighting system in a new construction environment. When it comes to remodels, the building or space itself will be more of a determining factor for power supply selection. There will need to be more adaptability involved, as power supplies and wiring will need to fit existing infrastructure.

DRIVER PLACEMENT / VOLTAGE DROP

Installing drivers in the ideal location takes a bit of planning, but is well worth it. Start by taking the amount of tape light and determining how much power is required per run. Then figure out how many drivers are going to be needed to achieve the desired lighting in the design. From there, determine how many light runs can be driven by the same power supply, if any. After that, you should be able to calculate the best placement of each driver to avoid issues like voltage drop and under/overpowering.

POWER SUPPLY DERATING

To ensure safety and reduce hazardous power supply issues, it is important to derate power supplies before installing them. Derating a power supply means calculating the total amount of output power needed, and choosing a power supply with a higher output than what is needed per fixture. Making sure each lighting fixture is operating at least 10% below the headline rating output of the power supply is an important step to the overall safety and health of a lighting system.

DIMMING VS. NON-DIMMING

Not every application is going to require dimming capabilities. Sometimes, a simple on/off switch is what the design calls for. This is an important step to consider when choosing switches, however, the power supply you use is going to be affected by this decision as well. Typically, non-dimming situations end up costing less than dimming applications, which is important to keep in mind. When choosing power supplies for a project, consider if the application is going to need dimming or not.

24V DC

Tape light models that operate at 12V or 24V DC are considered “low voltage” luminaires. When installing tape light in any space, it’s important to consider whether low voltage tape light would work better than alternative “high voltage” models that operate at 120V or 277V AC. Using low voltage tape light can minimize energy consumption, generate less heat to add longevity to the life of the LEDs, and are typically safe for installation in damp and wet locations.

DIMMING POWER SUPPLIES

ADAPTIVE SERIES POWER SUPPLIES

30W / 60W / 96W / 192W / 288W

The Adaptive phase dimming class 2 drivers are designed to operate with any standard MLV, ELV, Incandescent TRIAC (forward phase) dimmer switch or can also be used with secondary side controls such as Spektrum+ Smart Lighting app or hardwired DMX control system. Encased in a low profile aluminum enclosure that includes knock-outs for easy installation in any low voltage application.

c UL us LISTED

RoHS Compliant

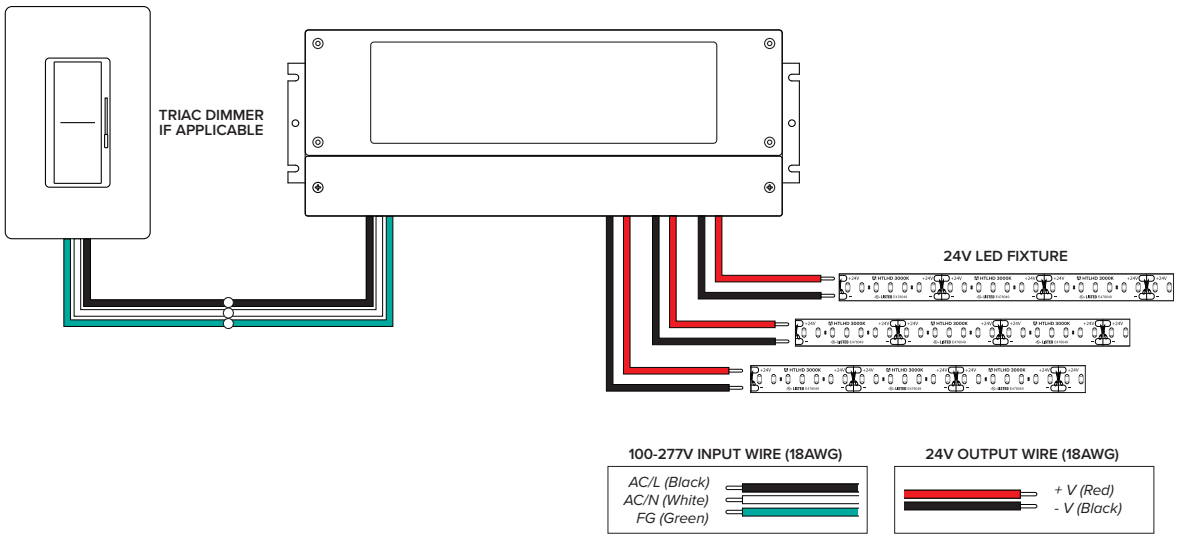
Wet Location

FEATURES & BENEFITS

- 12V or 24V DC constant voltage hardwire driver
- Short circuit, over-voltage, over-temperature, and overload protections
- Forward phase and reverse phase compatible with MLV, ELV, and TRIAC dimmers
- Slim, compact aluminum housing

CLASS 2 ADAPTIVE SERIES POWER SUPPLIES

ITEM NUMBER	INPUT	OUTPUT	MAX LOAD	MIN. LOAD	EFFICIENCY	DIMENSIONS	LV KNOCKOUTS
ADPT-DRJ-30-12	100-277V AC	12V DC	30W	3W	> 79% (120-277V)	6.49″L x 3.6″W x 1.02″H	1
ADPT-DRJ-30-24	100-277V AC	24V DC	30W	3W	> 79% (120-277V)	6.49″L x 3.6″W x 1.02″H	1
ADPT-DRJ-60-12	100-277V AC	12V DC	60W	6W	> 79% (120-277V)	7.4″L x 3.6″W x 1.02″H	1
ADPT-DRJ-60-24	100-277V AC	24V DC	60W	6W	> 79% (120-277V)	7.4″L x 3.6″W x 1.02″H	1
ADPT-DRJ-96-24	100-277V AC	24V DC	96W	9.6W	> 79% (120-277V)	8.66″L x 3.6″W x 1.61″H	1
ADPT-DRJ-192-24	100-277V AC	24V DC	192W	19.2W	> 79% (120-277V)	10.94″L x 4.25″W x 1.8″H	2x96 Watts
ADPT-DRJ-288-24	100-277V AC	24V DC	288W	28.8W	> 79% (120-277V)	11.85″L x 4.25″W x 1.8″H	3x96 Watts



DIMMING POWER SUPPLIES

ADAPTIVE PRO SERIES POWER SUPPLIES

30W / 60W / 96W / 192W / 200W / 288W / 300W

The Adaptive Pro 5-in-1 dimmable Class 2 drivers are designed to operate with any standard ELV / MLV / TRIAC / 0-10V / 1-10V / 10V PWM / Potentiometer dimmer switch or can also be used with secondary side controls systems. Encased in a low profile aluminum enclosure that includes knock-outs for easy installation in any low voltage application.

FEATURES & BENEFITS

- 24V DC constant voltage hardwire driver
- Dedicated line voltage and low voltage wiring compartments
- Short circuit, overload, and over temperature protections

RoHS Compliant

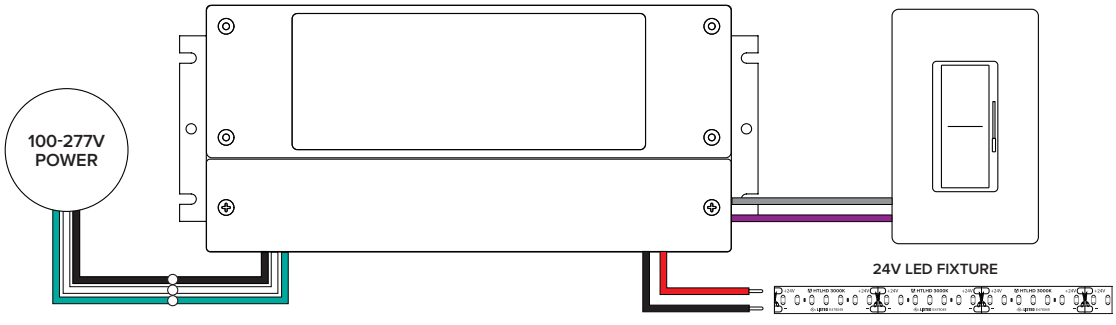
Wet Location

CLASS 2 ADAPTIVE SERIES POWER SUPPLIES

ITEM NUMBER	INPUT	OUTPUT	MAX LOAD	MIN. LOAD	EFFICIENCY	DIMENSIONS	LV KNOCKOUTS
ADPTPRO-DRJ-30-24	100-277V AC	24V DC	30W	3W	> 79% (120-277V)	6.49″L x 3.6″W x 1.02″H	1
ADPTPRO-DRJ-60-24	100-277V AC	24V DC	60W	6W	> 79% (120-277V)	7.44″L x 3.77″W x 1.73″H	1
ADPTPRO-DRJ-96-24	100-277V AC	24V DC	96W	9.6W	> 79% (120-277V)	8.70″L x 3.77″W x 1.73″H	1
ADPTPRO-DRJ-192-24	100-277V AC	24V DC	192W	19.2W	> 79% (120-277V)	10.94″L x 4.33″W x 1.88″H	2x96 Watts
ADPTPRO-DRJ-288-24	100-277V AC	24V DC	288W	28.8W	> 79% (120-277V)	11.92″L x 4.33″W x 1.88″H	3x96 Watts

NON-CLASS 2 ADAPTIVE SERIES POWER SUPPLIES

ITEM NUMBER	INPUT	OUTPUT	MAX LOAD	MIN. LOAD	EFFICIENCY	DIMENSIONS	LV CONNECTIONS
ADPTPRO-DR-200-24	100-277V AC	24V DC	200W	20W	> 79% (120-277V)	10.07″L x 3.07″W x 1.85″H	1
ADPTPRO-DR-300-24	100-277V AC	24V DC	300W	30W	> 79% (120-277V)	10.86″L x 3.07″W x 1.85″H	1

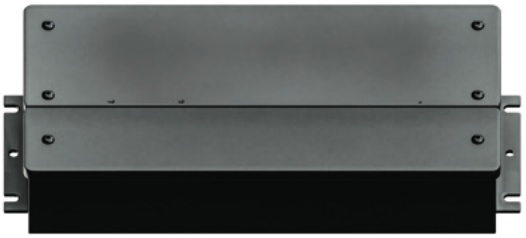


NON-DIMMING POWER SUPPLIES

LED-DRJ POWER SUPPLIES

30W / 60W / 96W / 100W / 150W / 192W / 200W / 288W / 300W

The LED-DRJ Series drivers feature universal 100-277V AC power input with exceptional reliability. Standard built-in protections include short circuit, over-voltage, and overload protections. The LED-DRJ series is recommended to be used in non-dimming applications or when used to power secondary side dimming controls in low voltage LED fixture applications.



RoHS Compliant

HL

FEATURES & BENEFITS

- Offered in 12V and 24V DC constant voltage
- Short circuit, overload, and over temperature protections
- Slim, compact wet location approved housing

CLASS 2 LED-DRJ SERIES POWER SUPPLIES

ITEM NUMBER	INPUT	OUTPUT	MAX LOAD	MIN. LOAD	EFFICIENCY	DIMENSIONS	LV KNOCKOUTS
LED-DRJ-30-12	100-277V AC	12V DC	30W	1W	> 79% (120-277V)	6.49″L x 3.6″W x 1.02″H	1
LED-DRJ-30-24	100-277V AC	24V DC	30W	1W	> 79% (120-277V)	6.49″L x 3.6″W x 1.02″H	1
LED-DRJ-60-12	100-277V AC	12V DC	60W	1W	> 79% (120-277V)	7.4″L x 3.6″W x 1.02″H	1
LED-DRJ-60-24	100-277V AC	24V DC	60W	1W	> 79% (120-277V)	7.4″L x 3.6″W x 1.02″H	1
LED-DRJ-96-24	100-277V AC	24V DC	96W	1W	> 79% (120-277V)	8.66″L x 3.6″W x 1.61″H	1

NON-CLASS 2 LED-DRJ SERIES POWER SUPPLIES

ITEM NUMBER	INPUT	OUTPUT	MAX LOAD	MIN. LOAD	EFFICIENCY	DIMENSIONS	LV KNOCKOUTS
LED-DRJ-100-12	100-277V AC	12V DC	100W	1W	> 79% (120-277V)	10.90″L x 3.97″W x 1.96″H	1
LED-DRJ-150-24	100-277V AC	24V DC	150W	1W	> 86% (120V) >88% (277V)	10.26″L x 4.173″W x 1.927″H	1
LED-DRJ-192-24	100-277V AC	24V DC	192W	1W	> 79% (120-277V)	10.94″L x 4.25″W x 1.8″H	2x96 Watts
LED-DRJ-200-24	110-277V AC	24V DC	200W	1W	> 86% (120V) >88% (277V)	10.26″L x 4.173″W x 1.927″H	1
LED-DRJ-288-24	100-277V AC	24V DC	288W	1W	> 79% (120-277V)	11.85″L x 4.25″W x 1.8″H	3x96 Watts
LED-DRJ-300-24	110-277V AC	24V DC	300W	1W	> 88% (120V) >92% (277V)	10.86″L x 3.07″W x 1.85″H	1

NON-DIMMING POWER SUPPLIES

PLUG-IN SERIES POWER SUPPLIES

12W / 25W / 40W / 60W / 90W

Use one of these constant voltage DC power supplies for non-dimming plug-in applications, based on the capacity and voltage needed. The DC-VPI accessory can be used with Trulux tape light, ideally with a switched outlet since the driver does not include an inline switch. cULus Listed for use in dry locations.

c UL us LISTED

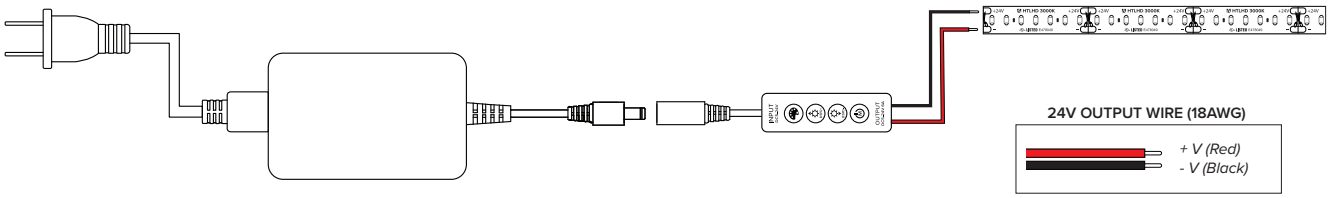
FEATURES & BENEFITS

- 6′ 18AWG power cord with 3-prong plug
- 5′ 18AWG tail with male DC jack

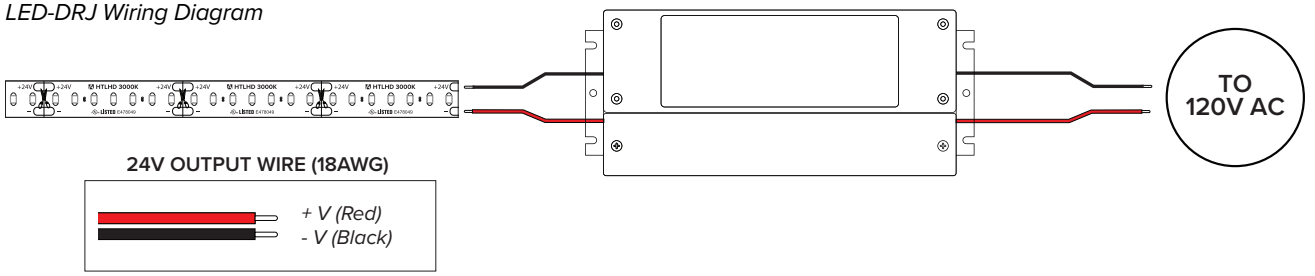
NON-CLASS 2 PLUG-IN SERIES POWER SUPPLIES

ITEM NUMBER	INPUT	OUTPUT	MAX LOAD	OUTPUT WIRE	DIMENSIONS	LV CONNECTIONS
PS-25-24VPI	120V AC	24V DC	25W	5′ 18AWG Tail with Male DC Jack	2.875″L x 2.125″W x 1.125″H	1
PS-40-24VPI	120V AC	24V DC	40W	5′ 18AWG Tail with Male DC Jack	5.75″L x 2″W x 1.25″H	1
PS-60-24VPI	120V AC	24V DC	60W	5′ 18AWG Tail with Male DC Jack	5.75″L x 2″W x 1.25″H	1
PS-90-24VPI	120V AC	24V DC	90W	5′ 18AWG Tail with Male DC Jack	6.75″L x 2.375″W x 1.25″H	1
PS-12-12VPI-T	120V AC	12V DC	12W	5′ 18AWG Tail with Male DC Jack	5.25″L x 2″W x 0.6875″H	1

Plug-In Series Wiring Diagram



LED-DRJ Wiring Diagram



STEP 4: SPECIFY CONNECTORS

The Importance of a Good Connection

LEARN MORE ON *Pages 118–119*

After the tape light, controls, power supplies, and extrusions have been chosen, it's time to connect everything together. Every lighting design requires specific connectors and accessories to tie everything together.

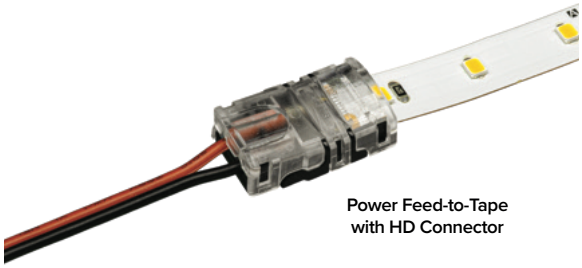
Tape light is already a fairly complex topic, and connectors and accessories can sometimes add to the confusion. Because of this, Trulux connectors and accessories are designed to work intuitively with each other to remove complicated installation steps, making the entire process that much easier. Both Trulink set-screw style connectors and "HD" heavy-duty style connectors are available for Trulux white linear lighting fixtures. Within those categories, there are three main types of accessories: conkits, splices, and jumpers. Conkits are the initial connection kits for tape light that connect the tape light to the driver. Splices are small connection accessories that are designed to seamlessly splice two pieces of tape light together. Jumpers are used to connect two different pieces of tape light together with different lengths of 18AWG wire between the two pieces of lights.

TRULUX WHITE LIGHT SYSTEM GUIDE

Tape Light Selection		Controller Selection		Power Supply Selection		Connectors Selection		Extrusion Selection
1	+	2	+	3	+	4	+	5

TYPES OF CONNECTIONS

Power Feed-to-Tape
with Trulink
Connector Block

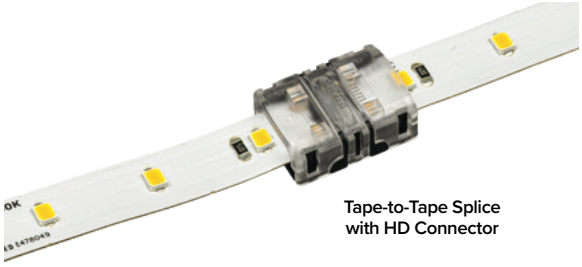


Power Feed-to-Tape
with HD Connector

CONKITS

Conkits are required for every Trulux tape light installation. They come in a few varieties based on the type of tape light being used, but the main premise is simple. Conkits are used to connect a piece of tape light to the driver or power supply driving it. There are several different ways to accomplish this, which is why conkits come in Trulink and Heavy Duty versions.

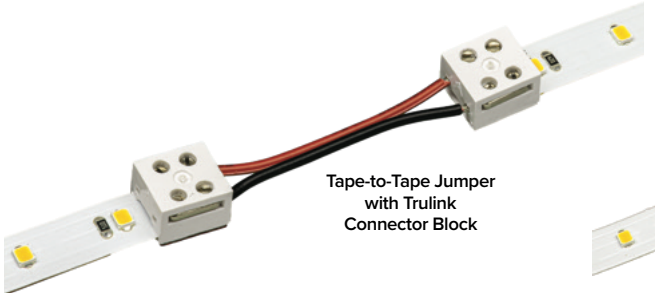
Tape-to-Tape Splice
with Trulink
Connector Block



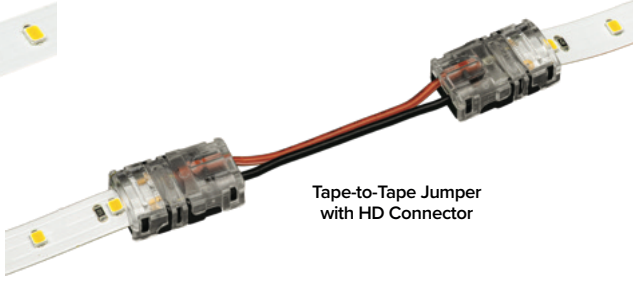
Tape-to-Tape Splice
with HD Connector

SPLICES

One of the most convenient features of tape light is the ability to cut it at marked locations and reconnect it with another piece of tape. When end-to-end connections are needed, a splice is the best option. Heavy duty snap connection splices are an easy way to reconnect two different pieces of tape light, coming in both a straight end-to-end connection as well as a 90° splice connection.



Tape-to-Tape Jumper
with Trulink
Connector Block



Tape-to-Tape Jumper
with HD Connector

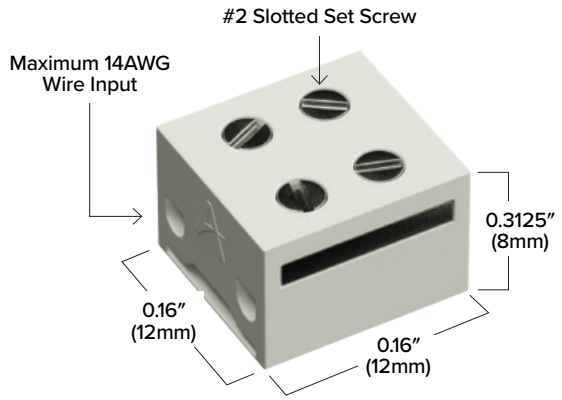
JUMPERS

Linear tape light designs often include gaps in tape light pieces. These can either be for corners, different sections of the same light strip, or any other number of applications. Snap connecting jumpers make these applications easy to accomplish, whether you need 10″ of distance between tape light runs, or even 10′.

WHY **TRULINK CONNECTOR BLOCK?**

An Adaptable Connector with Multiple Uses

Tape light is one of the most versatile types of luminaires on the market today. Because of its many uses and overall adaptability, it can be used in multiple situations, designs, and surroundings. Block Connectors were developed with the same idea of adaptability in mind. When you need to splice, jump, or connect, all using a single, lowprofile connector, Block Connectors are the way to go.



Trulink Connector Block Integration

4-in-1 Block Connector: TL-BLKS **4-in-1 Connector Kit:** TL-CONKIT

Power Feed-to-Tape

Tape-to-Tape Splice

Tape-to-Tape Jumper

Tape-to-Tape with Center Feed

CONNECTOR BLOCK PROS

- **SMALL PROFILE**
  Can fit in smaller spaces and extrusions because of its smaller footprint
- **4-IN-1 CONNECTOR**
  Splice, jump, connect, or center feed, all in one connector
- **EXTRUSION COMPATIBILITY**
  Can be used with the majority of Trulux extrusions
- **CONNECTORS INCLUDED**
  Everything you need to wire is included with Trulink Block Connectors

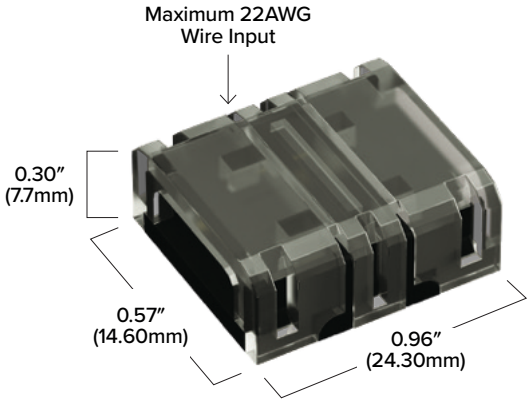
CONNECTOR BLOCK CONS

- **NOT AS ROBUST**
  Trulink block connectors require a bit of finesse to install and are more delicate than their heavy duty counterparts
- **2-WIRE CONNECTION ONLY**
  Will only work with single CCT tape light

WHY **HD CONNECTORS**

Heavy Duty Connectors for Heavy Duty Situations

When installing tape light in the field, sometimes a heavy duty connector is the only way to go. Trulux HD Connectors are a robust solution for jumping, splicing, and connecting tape light. Although larger in size compared to their Block Connector counterparts, HD Connectors can be used with more models of tape light and are much easier to install.



Single Color, 2-Wire Heavy Duty Connector Integration

HD Power Feed: TL-2PWR-HD
HD Splice: TL-2SPL-HD
HD Linking Cable (6″): TL-2JUMP6-HD
HD "L" Splice: TL-2SPL-L-HD
HD Linking Cable (24″): TL-2JUMP24-HD

Power Feed-to-Tape

Tape-to-Tape "L" Splice

Tape-to-Tape Splice

Tape-to-Tape Jumper

HEAVY DUTY CONNECTORS PROS

- **ROBUST**
  Strong build for easier in-field installation
- **ULTIMATE COMPATIBILITY**
  Use with Single CCT, Tunable CCT, RGB, RGBW and RGB+TW tape light
- **CONNECTORS INCLUDED**
  Everything you need to wire is included with Heavy Duty connectors

HEAVY DUTY CONNECTORS CONS

- **LARGER PROFILE**
  Fits in less extrusions because of a larger footprint
- **SINGLE USE ONLY**
  Need individual parts to splice, jump, and connect.

STEP 5: SPECIFY EXTRUSIONS

Elevate Your Tape Light with Extrusions

LEARN MORE ON *Pages 118–119*

Tape light is a unique kind of luminaire in many ways. One of the main aspects being the way it is mounted and installed in a space. It is one of the only kinds of lighting fixtures that can be installed as is, without any sort of extrusion or channel. However, there are many different options for extrusions and channels to give any kind of look or aesthetic possible.

Not only do extrusions allow for visual designs of all kinds, they serve a very functional purpose as well. Although at lower levels than their incandescent counterparts, LEDs still create heat, and certain Trulux tape light models generate more heat than others. Extrusions act as a natural heat dissipation device, allowing for better performance and longer life when luminaires are installed in them. Extrusions can be mounted and installed in any sort of project, whether retrofit, new construction, or adding to an existing space. Combined with the versatility of different diffusion and optical accessory options, extrusions can enhance any linear lighting design on multiple levels.

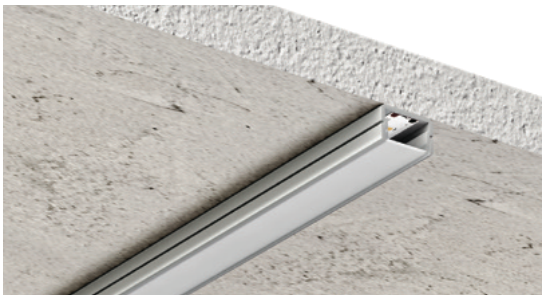
TRULUX WHITE LIGHT SYSTEM GUIDE

Tape Light Selection		Controller Selection		Power Supply Selection		Connectors Selection		Extrusion Selection
1	+	2	+	3	+	4	+	5

TYPES OF EXTRUSIONS

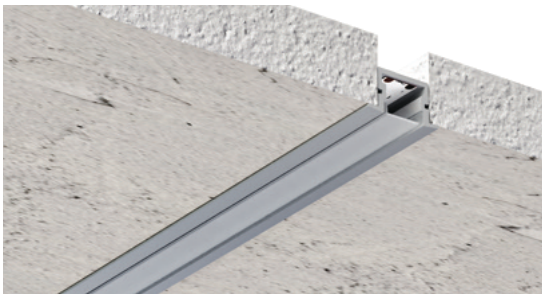
SURFACE MOUNT

In some cases, the extrusion itself adds to the aesthetic look of a space. Surface mount extrusions come in many shapes and sizes to provide multiple different looks for tape light. They are an excellent solution for creating eye-catching accent lighting displays, or for featuring ambient and task lighting in a bold and interesting way.



RECESSED MOUNT

Recessed extrusions for linear tape light are a great solution for insetting linear tape light into an existing surface, giving a stylish finish to any environment. Used for all three, task, ambient, and accent lighting, recessed extrusions are extremely adaptable and come in several different form factors.

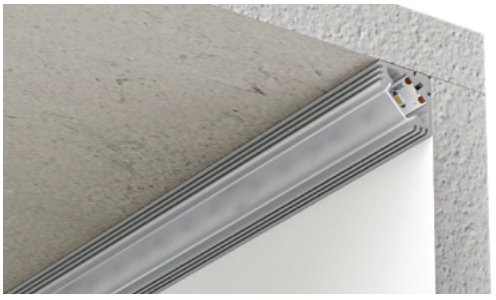


DRYWALL MOUNT

New construction and certain remodel projects provide the opportunity to mount tape light directly into drywall using drywall extrusions. This allows for seamless light that blends into walls, further eliminating distractions. Drywall extrusions are the perfect solution to discreetly mount linear tape light in a sleek, sophisticated way.

45° CORNER

Linear lighting in the corner of a wall or display can create impressive visuals that are both interesting to look at while still creating functional illumination. Extrusions that fit in a 45° corner can also be utilized under cabinets and other similar applications where the luminaire needs to be hidden from sightlines.



RECOMMENDED SURFACE MOUNT EXTRUSIONS

Extrusions recommended for mounting directly to a surface

UNIVERSAL MINI

- Low-profile housing for sleek visuals
- Great for indirect lighting applications (coves, backlighting)
- Frosted lens for partial diffusion and physical protection
- Field cuttable
- Double anodized aluminum for excellent heat dissipation

UNIVERSAL

- Higher profile to fit TL-BLK and TL-CONKIT connectors
- Helps eliminate visual dotting
- Full diffusion with STLHD and HTLHD models
- Field cuttable
- Double anodized aluminum for excellent heat dissipation

GTX

- Large profile that fits all Trulux connectors
- Helps eliminate visual dotting
- Frosted lens for partial diffusion and physical protection
- Field cuttable
- Double anodized aluminum for excellent heat dissipation

RECOMMENDED RECESSED MOUNT EXTRUSIONS

Extrusions recommended for recessed mounting into a surface or space

DOUBLE FLANGE

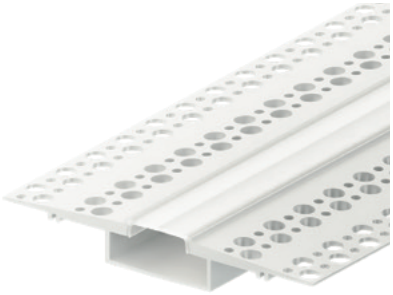
- Fits TL-BLK and TL-CONKIT connectors
- Helps eliminate visual dotting
- Full diffusion with most tape lights
- Field cuttable
- Flanged sides to conceal any cutting imperfections

MINI DOUBLE FLANGE

- Low-profile housing for sleek visuals
- Great for indirect lighting applications (coves, backlighting)
- Frosted lens for partial diffusion and physical protection
- Field cuttable
- Double anodized aluminum for excellent heat dissipation
- Flanged sides to conceal any cutting imperfections

RECOMMENDED DRYWALL MOUNT EXTRUSIONS

Extrusions recommended for mounting directly into drywall



VERGE

- Mud-in drywall installation for seamless visuals
- Extremely low profile once installed
- End caps available for tailored look
- Field cuttable
- Compatible with most Trulux tape light models

SCOOP WALL WASH

- Mud-in drywall installation for seamless visuals
- Unique “scoop” design for modern aesthetics
- End caps available for tailored look
- Indirect light for reduced visual glare
- Compatible with Trulux tape light models up to 12mm wide

STANDARD FLANGE SLOT

- Fits all Trulux connectors
- Eliminates visual dotting
- Full diffusion with all tape lights
- Field cuttable
- Optional spring mounting clips available

RECOMMENDED 45° CORNER EXTRUSIONS

Extrusions recommended for mounting in corners at a 45° angle

PREMIUM 45

- Low profile for sleek visuals
- Best suited for window frames and display cases
- Frosted lens for partial diffusion
- Field cuttable
- Compatible with most 10mm wide tape light

RUBIK

- Modern aesthetic touch
- Fits all Trulux connectors
- Corner frosted lens for full diffusion
- End caps available for tailored look
- Compatible with most tape light

RADIUS

- Rounded diffusion lens for unique look
- Fits all Trulux connectors
- Partial diffusion
- End caps available for tailored look
- Compatible with most tape light

Residential and commercial lighting design
shouldn't be dictated by the status quo. It should be innovative
and designed around the human experience.

IT SHOULD BE AS **VIBRANT AND COLORFUL**

as the world around us.

TRULUX RGBW, RGB+TW, & TUNABLE WHITE
LINEAR TAPE LIGHT

pave the way for creative, eye-catching lighting designs that are

BURSTING WITH MILLIONS OF **COLORFUL POSSIBILITIES.**

Trulux color changing tape light is a shining example
of just how much modern lighting can transform a space.
From color-scapes that cascade across the room
to tunable white light that helps balance circadian rhythm,
there's a Trulux color changing tape light model for any situation.
The future of lighting is here and it is brimming with color.

AMERICAN LIGHTING

STEP 1: SPECIFY TAPE LIGHT

Expanding the Creative Spectrum Of Tape Light

LEARN MORE ON *Pages 90–91*

Trulux color changing tape light can be used in a multitude of applications, including accent, task, and ambient lighting. But the beauty of color changing tape light is the dramatic options it creates for residential and commercial spaces.

Transform the living room with a color-splashed entertainment center. Breathe new life into the kitchen with tunable white toe kick and under cabinet lighting that can match the CCT of daylight at any given time. Or take any home theater to the next level with colorful accents that are sure to create a wow-factor.

RGBW

Consisting of red, green, blue, and warm white LEDs, Trulux RGBW tape light is capable of producing millions of different colors while smoothly transitioning from color to color. Trulux RGBW tape light is also capable of producing a beautifully warm 3000K CCT white light that creates mood and ambiance in whatever space it's in.

RGB+TW

Built with red, green, blue, and tunable white light LEDs, Trulux RGB+TW tape light models take color changing tape light to new heights. With both warm and cool white LEDs, the available color options are greatly increased, as well as a wide range of white light options to set the perfect mood for any space.

TUNABLE WHITE

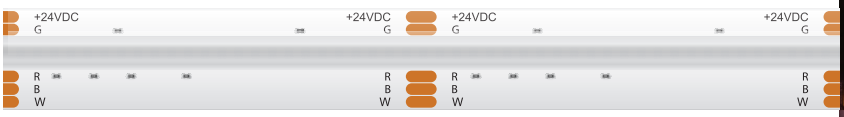
Trulux Tunable White tape light models give users access to a wide spectrum of different CCTs based on how warm or cool they appear. On the warmer side of the spectrum, white light at 2700K provides a relaxing and calming effect. Whereas cooler CCTs, up to 6000K, give users energizing and invigorating vibes.

TRULUX COLOR CHANGING SYSTEM GUIDE

Tape Light Selection	Controller Selection	Power Supply Selection	Connectors Selection	Extrusion Selection
1	2	3	4	5

COLOR CHANGING LIGHTING

TRULUX™ RGBW HIGH OUTPUT COB — UP TO 200LM/FT

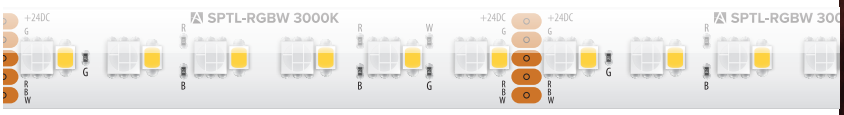


Page 62

TRULUX™ RGBW HIGH OUTPUT — UP TO 240LM/FT

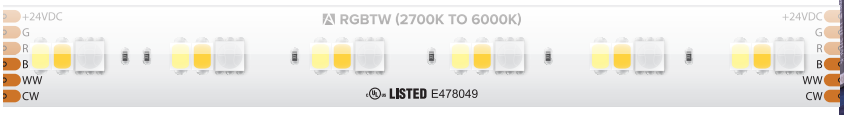
Page 62

TRULUX™ RGBW SPEC GRADE — UP TO 350LM/FT

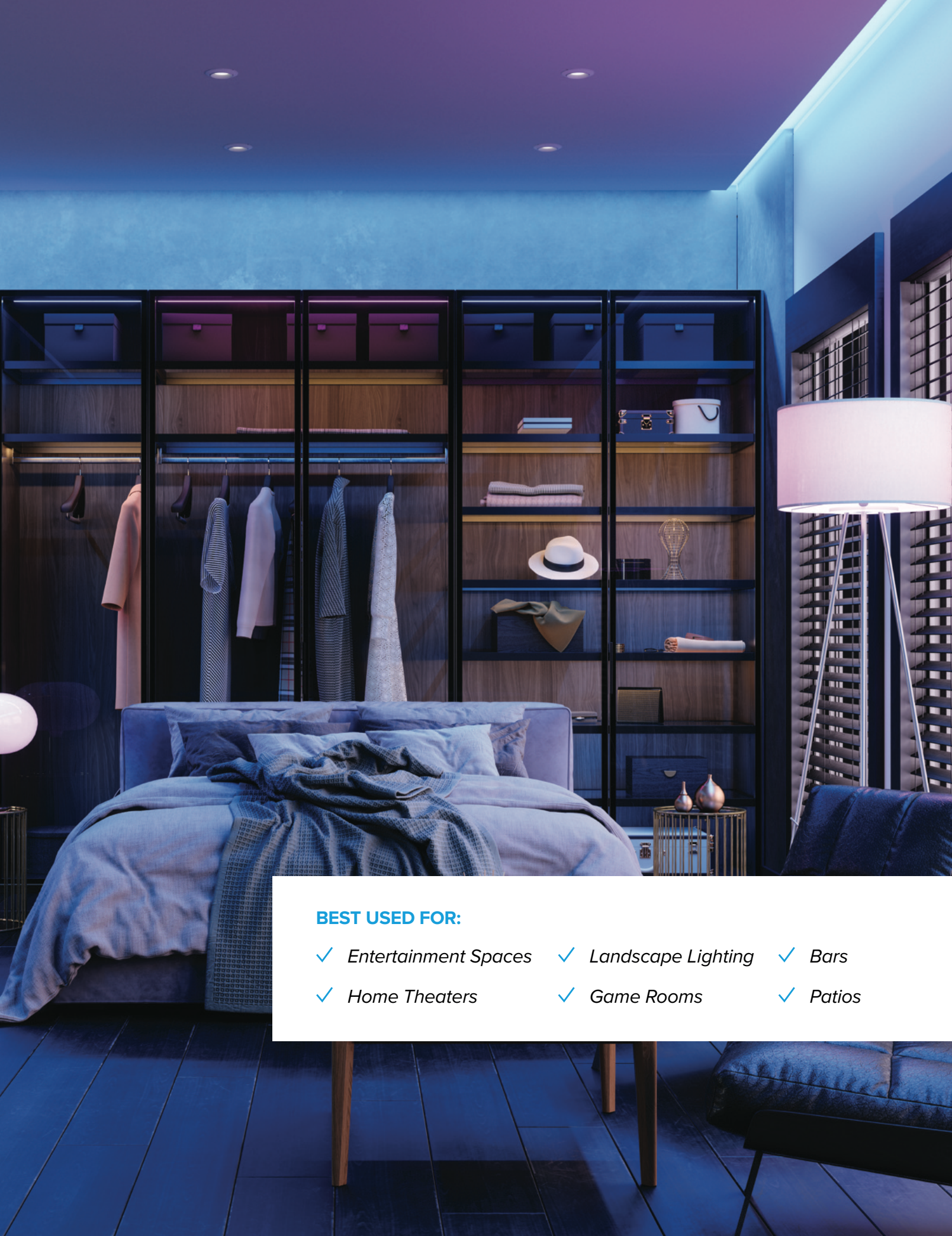


Page 63

TRULUX™ RGB+TW SPEC GRADE — UP TO 410LM/FT



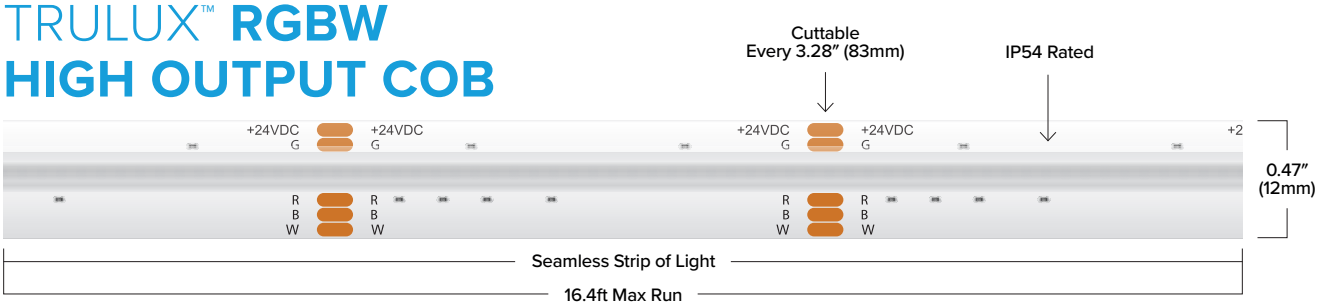
Page 63



BEST USED FOR:

- ✓ *Entertainment Spaces*
- ✓ *Landscape Lighting*
- ✓ *Bars*
- ✓ *Home Theaters*
- ✓ *Game Rooms*
- ✓ *Patios*

TRULUX™ RGBW HIGH OUTPUT COB



IP54 TRULUX RGBW HIGH OUTPUT COB ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
HTL-COB-RGBW-16	16.4′	RGBW	16.4ft	200Lm/ft	4.5W/ft	90+	3.28″ (83mm)

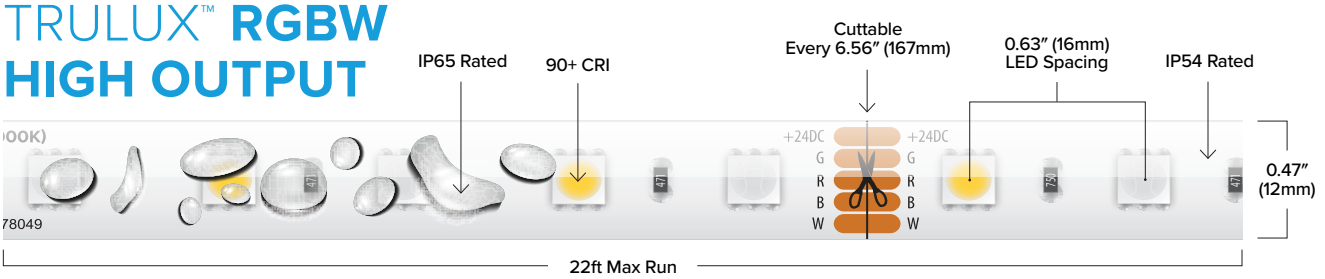
HTL-COB-RGBW 16.4′ Reels (IP54) include: Attached 6′ lead wire / Attached 3′ tail wire

CUSTOM CUT IP54 TRULUX RGBW HIGH OUTPUT COB ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
HTL-COB-RGBW-CC	Custom	RGBW	16.4ft	200Lm/ft	4.5W/ft	90+	3.28″ (83mm)

Custom Cut: Order (1) CONKIT-CC Assembly Fee per length of tape; includes 6′ soldered lead wire and shrink tube cover; for additional wire add (1) TL-WIRE per ft*

TRULUX™ RGBW HIGH OUTPUT



IP54 TRULUX RGBW HIGH OUTPUT ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
HTL-RGBW	16.4′	RGBW	22ft	240Lm/ft	4.4W/ft	90+	6.56″ (167mm)
HTL-RGBW-100	100′	RGBW	22ft	240Lm/ft	4.4W/ft	90+	6.56″ (167mm)

HTL-RGBW (IP54) 16.4′ Reels include: Attached 6′ lead wire / (3) TL-5PWR-HD
HTL-RGBW (IP54) 100′ Reels include: Attached 6′ lead wire / (3) TL-5PWR-HD

IP65 TRULUX RGBW HIGH OUTPUT ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
HTL65-RGBW	16.4′	RGBW	22ft	240Lm/ft	4.4W/ft	90+	6.56″ (167mm)

HTL-RGBW (IP65) 16.4′ Reels include: Attached 2′ IP65 lead wire + 6″ Conkit / Attached 2′ IP65 tail wire + 6″ Conkit / (3) TL-5PWR-HD

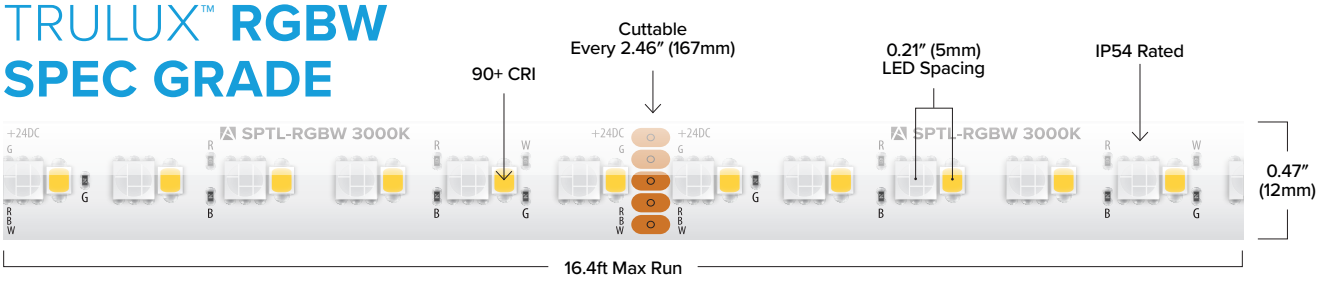
CUSTOM CUT IP54 & IP65 TRULUX RGBW HIGH OUTPUT ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
HTL-RGBW-CC	Custom	RGBW	22ft	240Lm/ft	4.4W/ft	90+	6.56″ (167mm)
HTL65-RGBW-CC	Custom	RGBW	22ft	240Lm/ft	4.4W/ft	90+	6.56″ (167mm)

*Custom Cut**: Order (1) CONKIT-CC Assembly Fee per length of tape; includes 6′ soldered lead wire and shrink tube cover; for additional wire, add (1) TL-WIRE per ft*
*Custom Cut**: Order (1) CONKIT5-65-CC Assembly fee per length of tape; includes 2′ IP65 lead wire + 6″ Conkit (no additional wire available for IP65 cuts—power lead extenders sold separately)*

*Custom Cut Lengths must be calculated in 3.28″ increments (Min 1ft / Max. 16.4ft).
**Custom Cut Lengths must be calculated in 6.56″ increments (Min 1ft / Max. 22ft).

TRULUX™ RGBW SPEC GRADE



IP54 TRULUX RGBW SPEC GRADE ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
SPTL-RGBW	16.4′	RGBW	16.4ft	350Lm/ft	7W/ft†	90+	2.46″ (62.5mm)

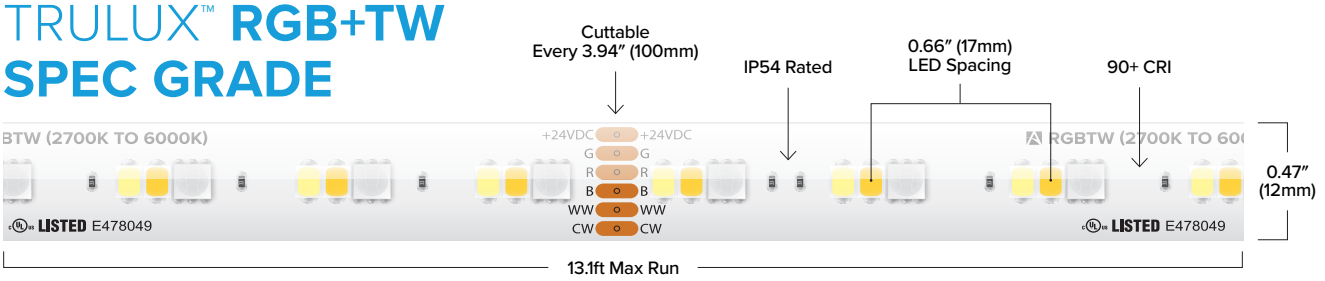
SPTL-RGBW (IP54) 16.4′ Reels include: Attached 6′ lead wire / Attached 3′ tail wire

CUSTOM CUT IP54 TRULUX RGBW SPEC GRADE ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
SPTL-RGBW-CC	Custom	RGBW	16.4ft	350Lm/ft	7W/ft†	90+	2.46″ (62.5mm)

Custom Cut‡: Order (1) CONKIT-CC Assembly Fee per length of tape; includes 6′ soldered lead wire and shrink tube cover; for additional wire add (1) TL-WIRE per ft

TRULUX™ RGB+TW SPEC GRADE



IP54 TRULUX RGB+TW ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
SPTL-RGBTW	13.1′	RGB+TW	13.1ft	410Lm/ft	7W/ft†	90+	3.94″ (100mm)
SPTL-RGBTW-100	13.1′	RGB+TW	13.1ft	410Lm/ft	7W/ft†	90+	3.94″ (100mm)

SPTL-RGBTW (IP54) 16.4′ Reels include: Attached 6′ lead wire / (3) TL-6PWR-HD
SPTL-RGBTW (IP54) 100′ Reels include: Attached 6′ lead wire / (5) TL-6PWR-HD

CUSTOM CUT IP54 TRULUX RGB+TW ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
SPTL-RGBTW-CC	Custom	RGB+TW	13.1ft	410Lm/ft	7W/ft†	90+	3.94″ (100mm)

Custom Cut§: Order (1) CONKIT-CC Assembly Fee per length of tape; includes 6′ soldered lead wire and shrink tube cover; for additional wire add (1) TL-WIRE per ft

†For tape light greater than 5W/ft, ALWAYS mount via an aluminum extrusion to allow proper dissipation of heat.
‡Custom Cut Lengths must be calculated in 2.46″ increments (Min 1ft / Max. 16.4ft).
§Custom Cut Lengths must be calculated in 3.94″ increments (Min 1ft / Max. 13.1ft).

TUNABLE WHITE LIGHTING

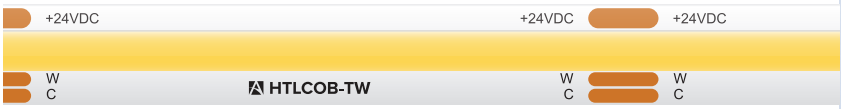
TRULUX™ HIGH OUTPUT TUNABLE CCT

UP TO 255LM/FT

Page 66

TRULUX™ HIGH OUTPUT TUNABLE CCT COB

UP TO 400LM/FT

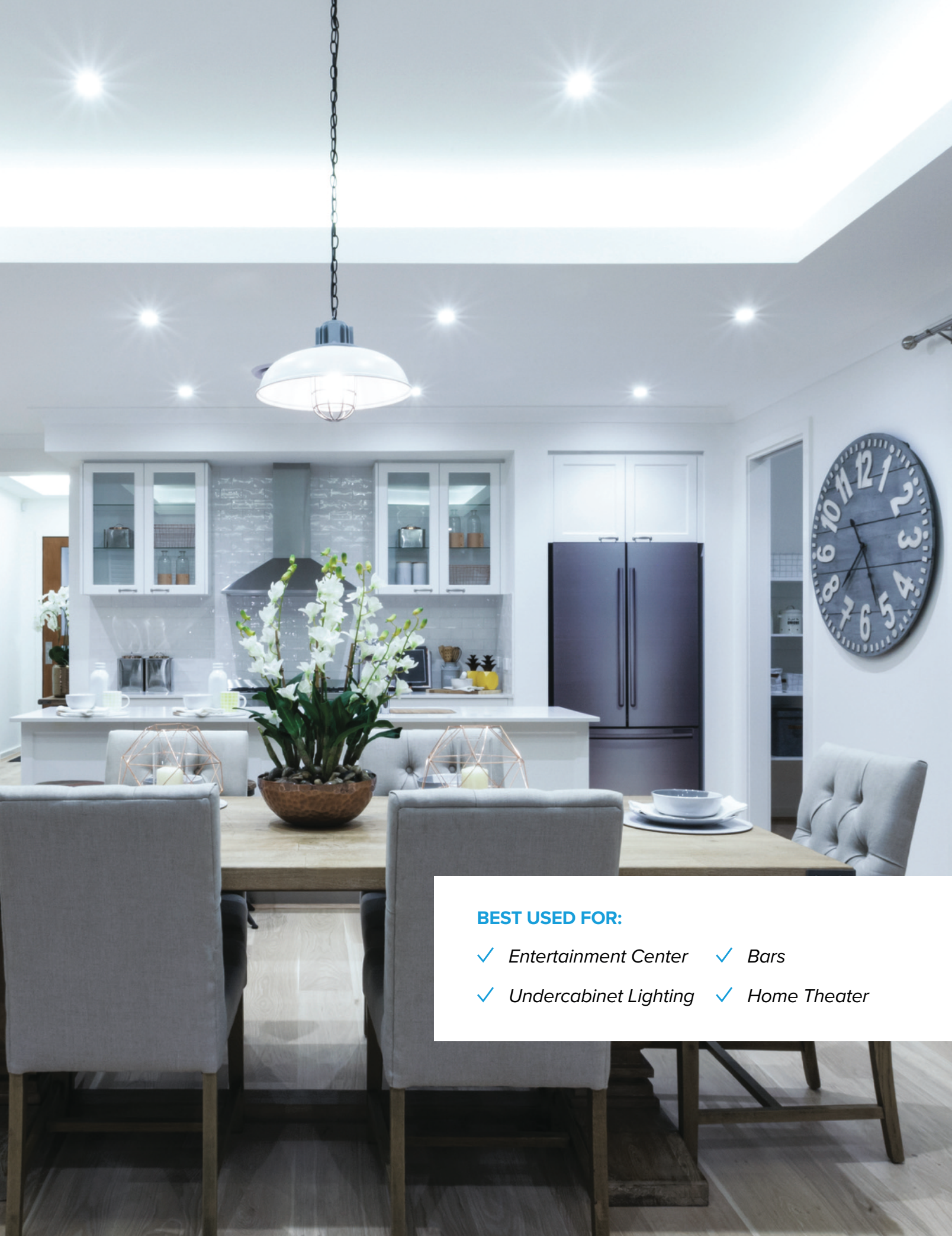


Page 66

TRULUX™ SPEC GRADE TUNABLE CCT

UP TO 510LM/FT

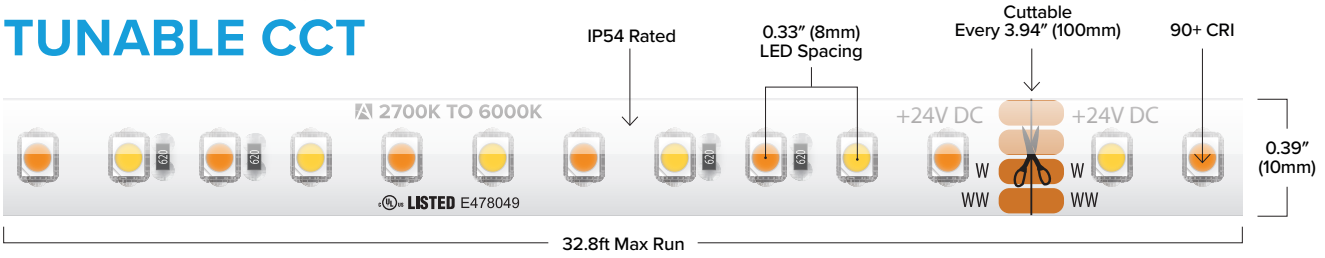
Page 67



BEST USED FOR:

- ✓ *Entertainment Center*
- ✓ *Bars*
- ✓ *Undercabinet Lighting*
- ✓ *Home Theater*

TRULUX™ HIGH OUTPUT TUNABLE CCT



IP54 TRULUX HIGH OUTPUT TUNABLE CCT ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
HTL-TW	16.4′	2700K–6000K	32.8ft	255Lm/ft	2.9W/ft	90+	3.94″ (100mm)

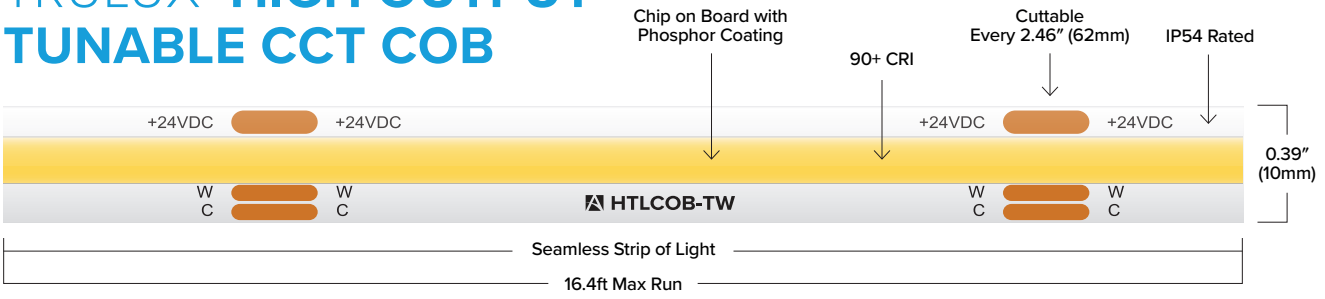
HTL-TW (IP54) 16.4′ Reels include: Attached 6′ lead wire / (3) TL-4PWR-HD

CUSTOM CUT IP54 TRULUX HIGH OUTPUT TUNABLE CCT ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
HTL-TW-CC	Custom	2700K–6000K	32.8ft	255Lm/ft	2.9W/ft	90+	3.94″ (100mm)

Custom Cut: Order (1) CONKIT-CC Assembly Fee per length of tape; includes 6′ soldered lead wire and shrink tube cover; for additional wire add (1) TL-WIRE per ft*

TRULUX™ HIGH OUTPUT TUNABLE CCT COB



IP54 TRULUX TUNABLE WHITE HIGH OUTPUT COB ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
HTL-COB-TW-16	16.4′	2700K–6000K	16.4ft	400Lm/ft	4.5W/ft	90+	2.46″ (62mm)

HTL-COB-TW-16 (IP54) 16.4′ Reels include: Attached 3′ lead wire / Attached 3′ tail wire / (3) TL-4PWR-HD

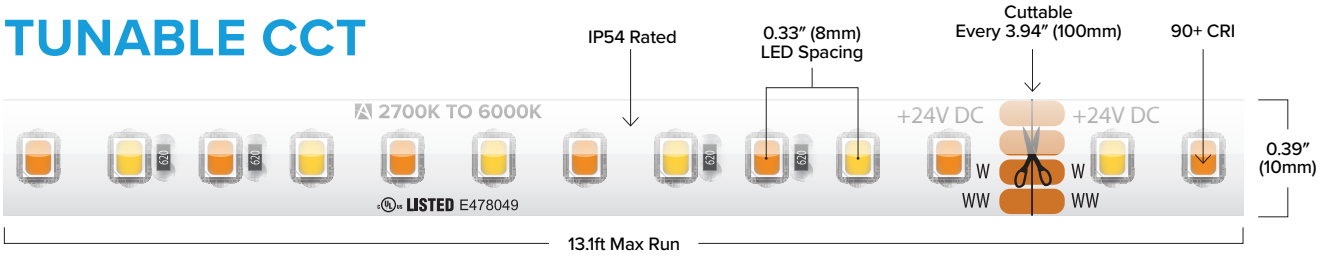
CUSTOM CUT IP54 TRULUX TUNABLE WHITE HIGH OUTPUT COB ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
HTL-COB-TW-CC	Custom	2700K–6000K	16.4ft	400Lm/ft	4.5W/ft	90+	2.46″ (62mm)

*Custom Cut**: Order (1) CONKIT-CC Assembly Fee per length of tape; includes 6′ soldered lead wire and shrink tube cover; for additional wire add (1) TL-WIRE per ft*

**Custom Cut Lengths must be calculated in 0.33″ increments (Min 1ft / Max. 32.8ft).*
***Custom Cut Lengths must be calculated in 2.46″ increments (Min 1ft / Max. 16.4ft).*

TRULUX™ SPEC GRADE TUNABLE CCT



IP54 TRULUX SPEC GRADE TUNABLE WHITE ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
SPTL-TW	13.1′	2700K–6000K	13.1ft	510Lm/ft	7W/ft†	90+	3.94″ (100mm)

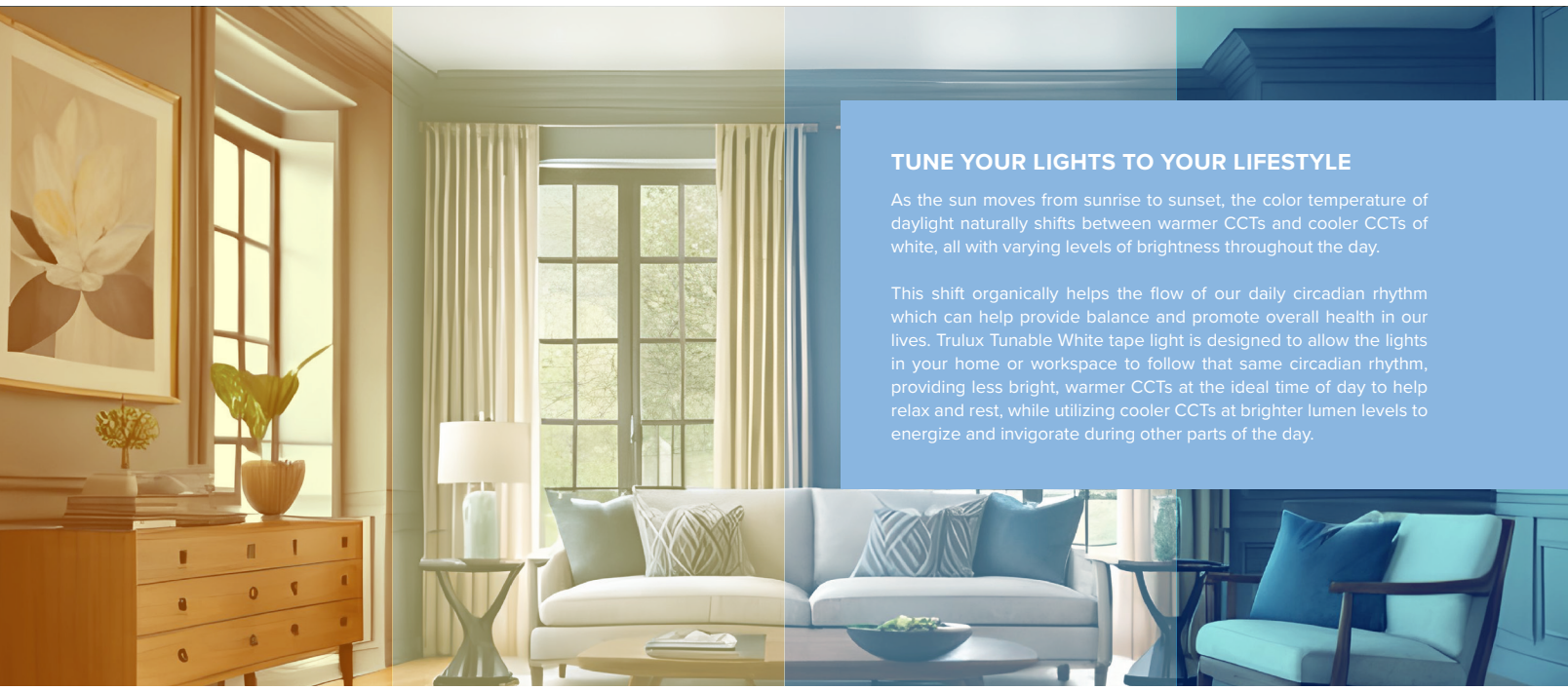
SPTL-TW (IP54) 16.4′ Reels include: Attached 6′ lead wire / (3) TL-4PWR-HD

CUSTOM CUT IP54 TRULUX SPEC GRADE TUNABLE WHITE ORDERING INFORMATION

ITEM NUMBER	LENGTH	CCT	MAX RUN	LUMENS/FT	WATTAGE/FT	CRI	CUT INCREMENT
SPTL-TW-CC	Custom	2700K–6000K	13.1ft	510Lm/ft	7W/ft†	90+	3.94″ (100mm)

Custom Cut‡: Order (1) CONKIT-CC Assembly Fee per length of tape; includes 6′ soldered lead wire and shrink tube cover; for additional wire add (1) TL-WIRE per ft

CIRCADIAN RHYTHM: THE CIRCLE OF LIGHT

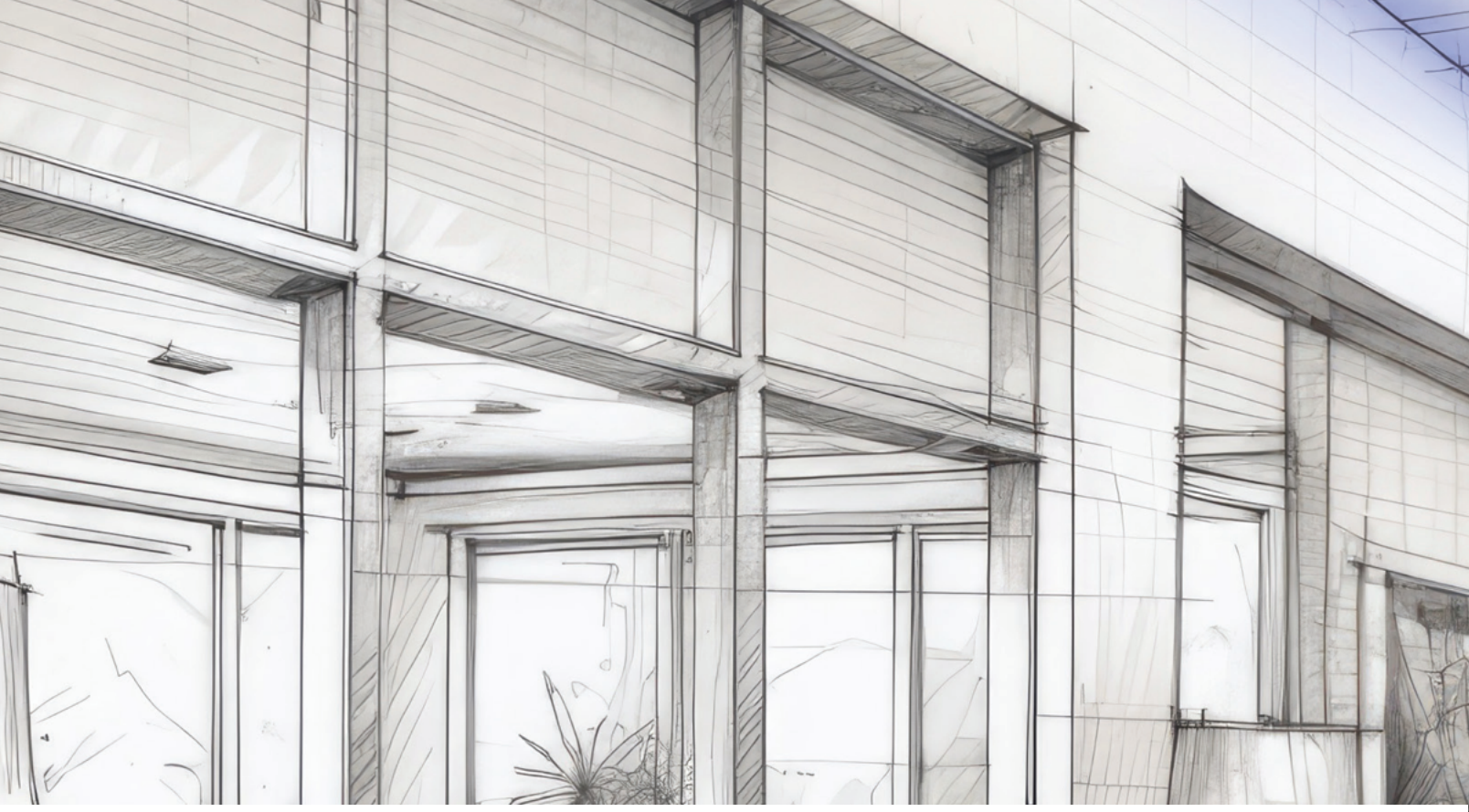


TUNE YOUR LIGHTS TO YOUR LIFESTYLE

As the sun moves from sunrise to sunset, the color temperature of daylight naturally shifts between warmer CCTs and cooler CCTs of white, all with varying levels of brightness throughout the day.

This shift organically helps the flow of our daily circadian rhythm which can help provide balance and promote overall health in our lives. Trulux Tunable White tape light is designed to allow the lights in your home or workspace to follow that same circadian rhythm, providing less bright, warmer CCTs at the ideal time of day to help relax and rest, while utilizing cooler CCTs at brighter lumen levels to energize and invigorate during other parts of the day.

†For tape light greater than 5W/ft, ALWAYS mount via an aluminum extrusion to allow proper dissipation of heat.
‡Custom Cut Lengths must be calculated in 3.94″ increments (Min 1ft / Max. 13.1ft).



STEP 2: SPECIFY CONTROLS

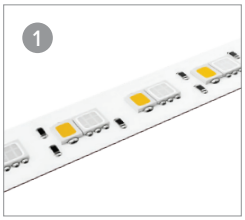
Always in Control of the Situation

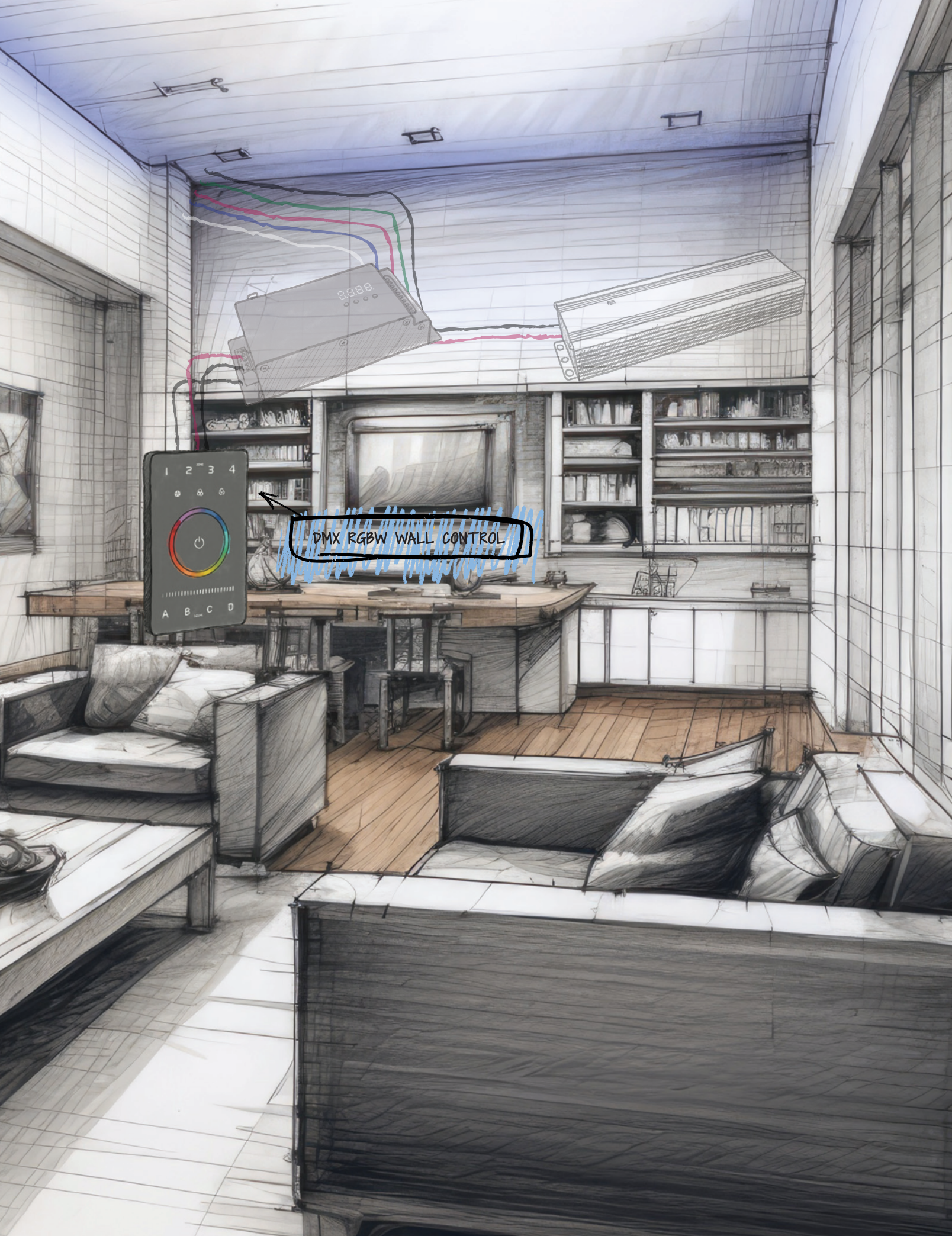
LEARN MORE ON *Pages 96–97*

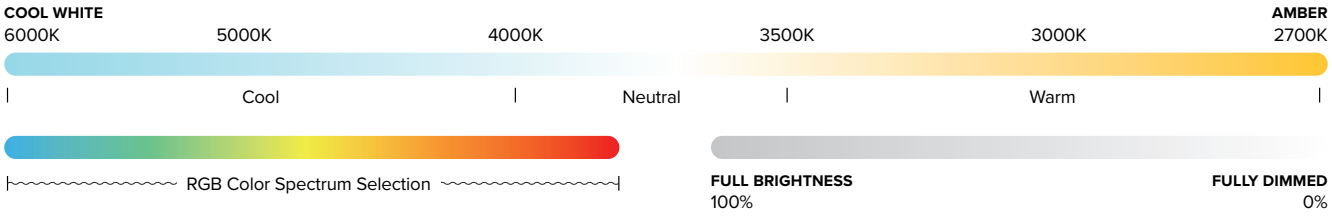
When installing Trulux tape light in a residential or commercial space, the question of "how will I control this system?" is one of the most important questions to ask. For color changing tape light, that question becomes even more important.

When it comes to color changing tape light, controls are not only necessary for controlling on, off and dimming, but they become the gateway to opening the wide variety of color and effects possible with RGBW, RGB+TW, and Tunable White tape light models. Trulux color changing tape light can be controlled in a number of ways and with multiple different kinds of controllers. Since color changing tape light requires the use of DMX or Spektrum+ protocols to control color selection, there are more options to choose from for controllers. Although controlling color changing tape light is more complex in design than controlling static white tape light, it doesn't have to be more confusing.

TRULUX COLOR CHANGING SYSTEM GUIDE

Tape Light Selection	Controller Selection	Power Supply Selection	Connectors Selection	Extrusion Selection
1 	2	3	4	5


1 2 3 4
A B C D
DMX RGBW WALL CONTROL



WHY **DMX** LIGHTING **CONTROL?**

Considerations when Choosing a DMX Controller

DMX is a tried-and-true lighting protocol that has been used for years in basically every industry that involves color changing lights. When it comes to Trulux Color Changing tape light, DMX is used to control color choice, color blending, as well as dimming and other parameters. It also paves the way for Trulux tape light to be integrated directly into smart home systems like Control4. Although DMX is an older technology, constant updates and upgrades have solidified it as a technology that will continue to be used for years to come.

DMX LIGHTING CONTROL PROS

- **HARDWIRED RELIABILITY**
  Not dependent on wireless technology, DMX is much more reliable
- **DIGITAL OR ANALOG CONTROL**
  Capable of using software-based controllers or hardware based controllers
- **LARGER SCALE APPLICATIONS**
  DMX is capable of controlling a huge amount of luminaires per system
- **LARGE VARIETY OF CONTROLLERS**
  DMX is a standard protocol for multiple industries, creating a large variety of controllers to choose from
- **INTERFERENCE-PROOF**
  While Bluetooth and WiFi controllers are susceptible to radio interference, DMX is not

DMX LIGHTING CONTROL CONS

- **HARDWIRE LIMITATIONS**
  Because DMX is a hardwired connection, location of the controller is limited to where and how it can be wired
- **PROGRAMMING LEARNING CURVE**
  Although straightforward in concept, programming DMX usually takes time and practice to learn
- **LIMITED BY CONTROLLER TYPE**
  Depending on the type of controller, some features that DMX is capable of controlling may be limited

DMX LIGHTING CONTROLS

DMX TUNABLE WHITE WALL CONTROL

Finely control your tunable CCT lights with the sleek, easy to use in-wall DMX Wall Control, and create white lighting schemes to match your style or circadian rhythm. Programmable shortcuts with four zone control coupled with DMX decoders and transceivers compatibility makes this controller versatile and ideal for many applications. Readily installable and designed to complement any interior design, the Tunable White DMX Wall Controller allows for ultimate lighting system control capability in superior style.

FEATURES & BENEFITS

- 4 zone and 4 scene keys for easy control
- CCT touch circle and dimming slider bar
- Fits single gang junction box

TECHNICAL & ORDERING INFORMATION

Order Number:	CTRLW-DMXB-TW-4Z
Input Voltage:	12-24V DC
Dimming:	DMX

DMX RGBW WALL CONTROL

Mastermind a dynamic lighting scheme with the sleek, easy to use in-wall DMX Wall Control. Featuring a 16 mode auto play function, with RGBW shortcuts for color mixing and brightness control, and four zone control coupled with DMX decoders and transceivers compatibility makes this controller versatile and ideal for many applications. DMX RGBW fits single gang junction boxes, and with convenient installation, readily enables total lighting control and full tape light capability.

FEATURES & BENEFITS

- 16 mode auto play function
- 4 zone and 4 scene keys for easy control
- Fits single gang junction box

TECHNICAL & ORDERING INFORMATION

Order Number:	CTRLW-DMXB-RGBW-4Z
Input Voltage:	12-24V DC
Dimming:	DMX

DMX RGB+TW WALL CONTROL

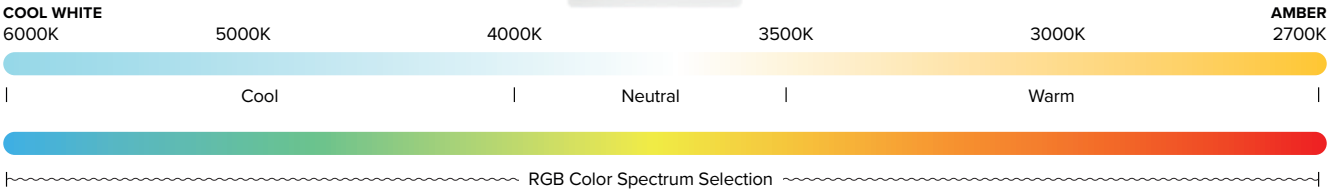
Mastermind a dynamic lighting scheme with the sleek, easy to use in-wall DMX Wall Control. Featuring a 16 mode auto play function, with RGB + Tunable CCT shortcuts for color mixing and brightness control, and four zone control coupled with DMX decoders and transceivers compatibility makes this controller versatile and ideal for many applications. DMX RGB+TW fits single gang junction boxes, and with convenient installation, readily enables total lighting control and full tape light functionality.

FEATURES & BENEFITS

- 16 mode auto play function
- 4 zone and 4 scene keys for easy control
- Fits single gang junction box

TECHNICAL & ORDERING INFORMATION

Order Number:	CTRLW-DMXB-RGBTW-4Z
Input Voltage:	12-24V DC
Dimming:	DMX



WHY **SMART LIGHTING?**

Considerations When Choosing a Spektrum+ Smart Dimmer, Sensor, or Switch

Smart lighting systems are becoming more and more popular in homes and businesses. The biggest reasons for this are how much control they give users, and how seamlessly they integrate into everyday life. Multiple control interfaces, both hardware and software based, as well as sensors and voice assistant compatibility make smart lighting an easy choice. The future of lighting is now, and that future is built on smart technology.

SMART LIGHTING PROS

- ▲ **CONTROL VERSATILITY**
  Control with a physical switch or dimmer, as well as the Spektrum+ App
- ▲ **SMART DEVICE INTEGRATION**
  Use voice commands with Google or Amazon Smart Assistant devices
- ▲ **CONTROL AWAY FROM HOME**
  Control every aspect of your system from anywhere in the world
- ▲ **HUMAN-CENTRIC LIGHTING**
  Create schedules and programs that follow natural circadian rhythm
- ▲ **SMART SENSORS**
  Save money with motion, light, and weather sensors

SMART LIGHTING CONS

- ▼ **ADDITIONAL ACCESSORIES REQUIRED**
  Smart switches and dimmers require additional hardware for full functionality
- ▼ **ADVANCED INITIAL SETUP**
  It takes more time to program and install smart switches and dimmers
- ▼ **RELIABILITY**
  Although today's wireless technology is more reliable than ever, signal drops and interference are still possible

SPEKTRUM+ **SMART LIGHTING CONTROLS**

SPEKTRUM+ SMART SWITCHES

Spektrum+ 120V Dimmer Switch

The Spektrum+™ Smart Dimmer Switch Wall Plate enables connection of line voltage lighting to the Spektrum+™ Smart app. Use the app to turn the lights On and Off, adjust brightness, or set automated schedules. Great for adding smart app-based controls to existing dimmable lighting systems that don't have built-in smart capabilities. The switch can also be used manually.

FEATURES & BENEFITS

- Set automated schedules for home automation
- Intuitive touch sensitive manual dimming design
- Stylish design fits seamlessly into any decor
- Trailing edge 3-way control
- Fits standard single gang junction box

TECHNICAL & ORDERING INFORMATION

Order Number:	SPKPL-120VDIM-WH
Input Voltage:	120V AC
Output Voltage:	120V AC
Power:	300W (INC), 250W (LED and CFL)
Rating:	ETLus for Indoor Use, FCC Compliant, RoHS

Spektrum+ Smart Switch & Remote

The Spektrum+ Smart Switch is a streamlined Bluetooth control alternative to the Spektrum Smart App. The Smart Switch features built in RGB and tunable white settings with dimming levels to set your favorite color temp or brightness. With a magnetic dock, you can remove the switch from the wall plate and use as hand-held remote for greater control freedom.

FEATURES & BENEFITS

- Control multiple Spektrum+ fixtures simultaneously: Downlights, Lamps, Smart Receivers, Landscape Lights, and more!
- Save dedicated scenes or favorite settings with a push of a button
- Up to 25 meter signal range - Signal range may vary due to potential interference

TECHNICAL & ORDERING INFORMATION

Order Number:	SPKPL-CTRL-W-RGBTW
Input Voltage:	3V / CR2 Lithium Battery
Frequency:	2.4GHz
Signal:	Bluetooth
Rating:	Dry Location

SPEKTRUM+ **SMART LIGHTING CONTROLS**

SPEKTRUM+ SMART RECEIVER

Spektrum+ Smart Receiver

Spektrum+ Smart Lighting's new 5-channel Bluetooth® Mesh Receiver allows users to integrate smart device lighting control to any low voltage lighting product. Featuring dedicated controls for multi-type lighting, the Spektrum Smart Receiver is a smart choice for retrofit or new construction applications wanting smart control and connectivity.

FEATURES & BENEFITS

- Control multiple types of lighting: Single Color, Tunable CCT, RGB, RGBW, RGB+TW
- Upgrade existing lighting fixtures to be IoT connected
- Perfect for controlling nearly any type of 12-24V DC products
- 4A per channel maximum load (at 24V DC)

TECHNICAL & ORDERING INFORMATION

Order Number:	SPKPL-REC-TB-5CH
Input Voltage:	12-24V DC
Output Voltage:	12-24V DC
Signal:	Bluetooth
Rating:	Dry Location, FCC Compliant

SPEKTRUM+ SMART SENSORS

Spektrum+ PIR Motion Sensor

Readily integrating with an existing lighting system, the Spektrum+ Motion Sensor adopts super low-power wireless technology in detecting movement and adjusting ambiance in real-time. This smart motion sensor allows for a longer battery life, and detects movement by day and night. Suitable for safety protection applications, the Spektrum+ Motion Sensor detects motion up to seven meters.

FEATURES & BENEFITS

- Connects via Spektrum+ Smart Lighting App
- Detect and react to ambient light levels with real-time monitoring, eliminating dimmers
- Motion detection up to seven meters
- Sleek, compact, low-profile white housing
- Compatible with all Spektrum+ Smart Lighting fixtures

TECHNICAL & ORDERING INFORMATION

Order Number:	SPKPL-REC-TB-5CH
Input Voltage:	12-24V DC
Output Voltage:	12-24V DC
Signal:	Bluetooth
Rating:	Dry Location, FCC Compliant

SPEKTRUM+ **SMART LIGHTING CONTROLS**

SPEKTRUM+ SMART SENSORS

Spektrum+ Door & Window Sensor

Easily integrate doors and windows into the Spektrum+ system with the addition of the Door & Window Sensor which automate lighting systems to initiate upon entry. With super low power wireless technology, this sensor connects via the Spektrum+ Lighting App to detect state change of any door or window. Sleek in profile and simplistic in design, the Spektrum+ Window & Door Sensor integrates as readily into an existing Spektrum+ system as it does into any interior aesthetic.

FEATURES & BENEFITS

- Low voltage contact sensor
- Connects via Spektrum+ Smart Lighting App
- Detect and react to state change in doors and windows with real-time monitoring, eliminating dimmers
- Sleek, compact, low-profile white housing
- Compatible with all Spektrum+ Smart Lighting fixtures

TECHNICAL & ORDERING INFORMATION

Order Number:	SPKPL-SNS-CNTCT-WH
Input Voltage:	3V / CR2 Lithium Battery
Frequency:	2.4GHz
Signal:	Bluetooth
Rating:	Dry Location

Spektrum+ PIR Motion & Luminance Sensor

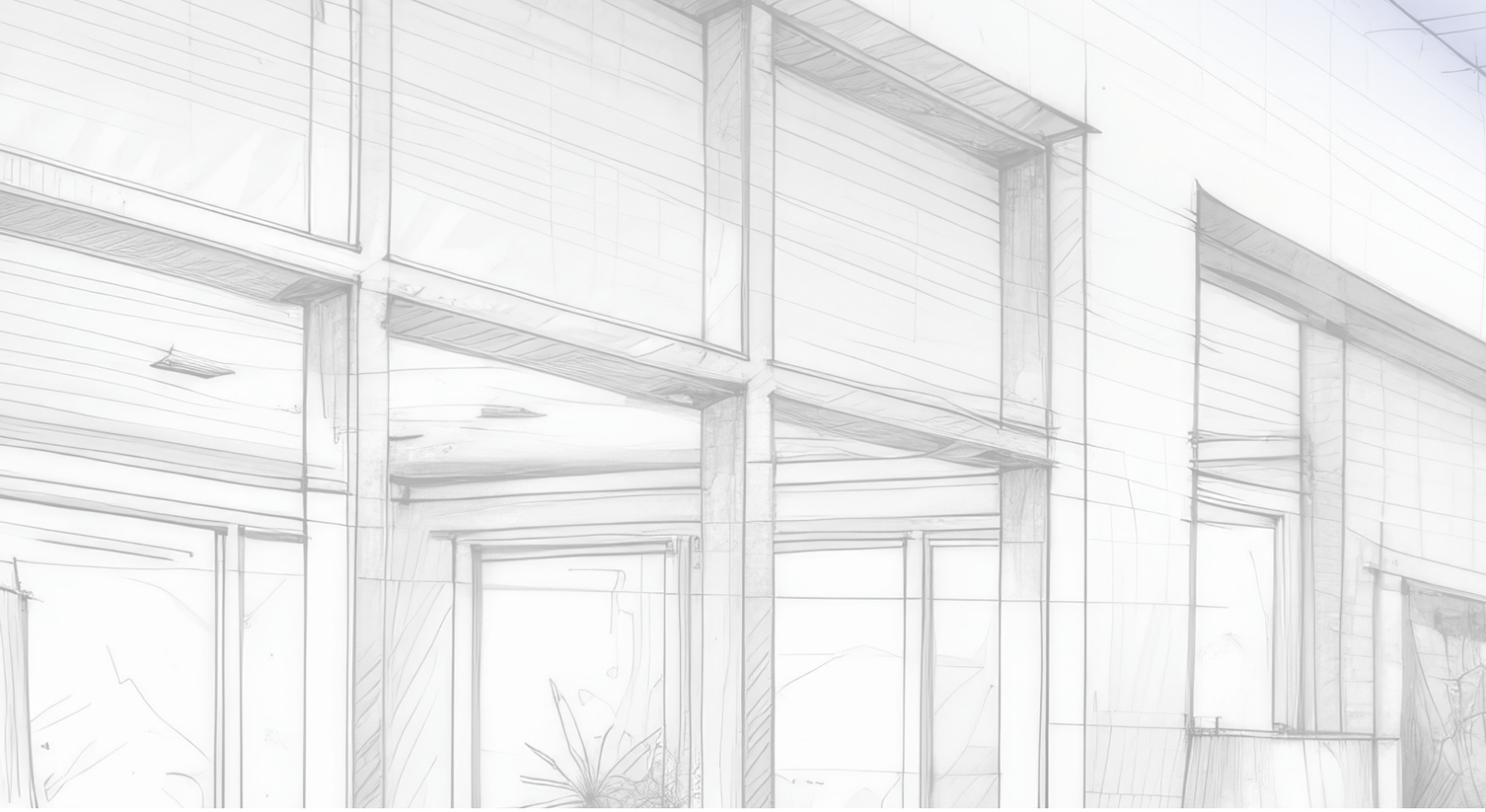
Level up your Spektrum+ Smart Lighting System with the Spektrum+ Motion & Light Sensor and enable total control over room ambiance, and longer battery life, with super low-power wireless technology. With a seven meter detection distance and ability to measure ambient light levels, this sensor allows for real-time monitoring, whether by day or night.

FEATURES & BENEFITS

- Connects via Spektrum+ Smart Lighting App
- Detect and react to ambient light levels with real-time monitoring, eliminating dimmers
- Motion detection up to seven meters
- Sleek, compact, low-profile white housing
- Compatible with all Spektrum+ Smart Lighting fixtures

TECHNICAL & ORDERING INFORMATION

Order Number:	SPKPL-SNS-PIRLUX-WH
Input Voltage:	3V / CR2 Lithium Battery
Frequency:	2.4GHz
Signal:	Bluetooth
Rating:	Dry Location



STEP 3: SPECIFY POWER SUPPLIES

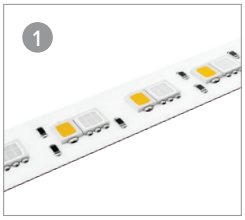
Time for a Power Play

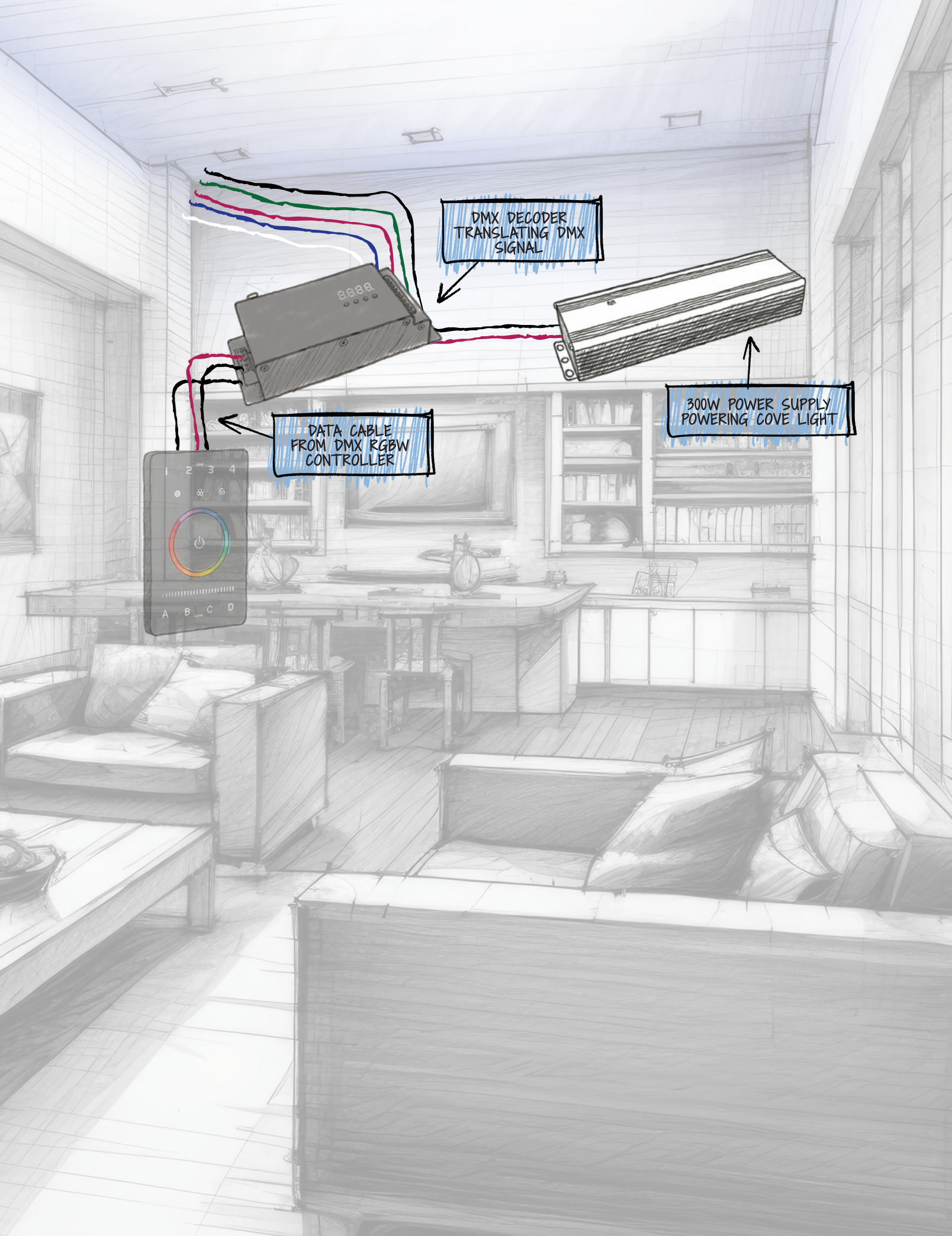
LEARN MORE ON *Pages 94–95*

Trulux color changing tape light utilizes non-dimming, low voltage (24V DC) power supplies because the DMX or Spektrum+ controller is what controls dimming for color changing tape light. Because of this, choosing a power supply, or combination of power supplies, for RGBW, RGB+TW, and Tunable White tape light is a fairly straight forward process.

To choose the ideal power supply, consider these three main factors: what kind of luminaire is being used, how it is being controlled, and how far apart everything will be once installed. Once the type of tape light and controller options have been chosen, the power supply choices can be narrowed down and selected based on the distance they will physically be from the rest of the system. Multiple types of power supplies can also be utilized in the same system. With power supplies, safety is the number one thing to consider.

TRULUX COLOR CHANGING SYSTEM GUIDE

Tape Light Selection	Controller Selection	Power Supply Selection	Connectors Selection	Extrusion Selection
1 	2	3	4	5

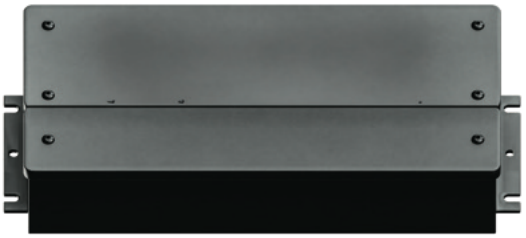

DMX DECODER TRANSLATING DMX SIGNAL
300W POWER SUPPLY POWERING COVE LIGHT
DATA CABLE FROM DMX RGBW CONTROLLER

NON-DIMMING POWER SUPPLIES

LED-DRJ POWER SUPPLIES

30W / 60W / 96W / 100W / 150W / 192W / 200W / 288W / 300W

The LED-DRJ Series drivers feature universal 100-277V AC power input with exceptional reliability. Standard built-in protections include short circuit, over-voltage, and overload protections. The LED-DRJ series is recommended to be used in non-dimming applications or when used to power secondary side dimming controls in low voltage LED fixture applications.



RoHS Compliant

HL

FEATURES & BENEFITS

- Offered in 12V and 24V DC constant voltage
- Short circuit, overload, and over temperature protections
- Slim, compact wet location approved housing

CLASS 2 LED-DRJ SERIES POWER SUPPLIES

ITEM NUMBER	INPUT	OUTPUT	MAX LOAD	MIN. LOAD	EFFICIENCY	DIMENSIONS	LV KNOCKOUTS
LED-DRJ-30-12	100-277V AC	12V DC	30W	1W	> 79% (120-277V)	6.49″L x 3.6″W x 1.02″H	1
LED-DRJ-30-24	100-277V AC	24V DC	30W	1W	> 79% (120-277V)	6.49″L x 3.6″W x 1.02″H	1
LED-DRJ-60-12	100-277V AC	12V DC	60W	1W	> 79% (120-277V)	7.4″L x 3.6″W x 1.02″H	1
LED-DRJ-60-24	100-277V AC	24V DC	60W	1W	> 79% (120-277V)	7.4″L x 3.6″W x 1.02″H	1
LED-DRJ-96-24	100-277V AC	24V DC	96W	1W	> 79% (120-277V)	8.66″L x 3.6″W x 1.61″H	1

NON-CLASS 2 LED-DRJ SERIES POWER SUPPLIES

ITEM NUMBER	INPUT	OUTPUT	MAX LOAD	MIN. LOAD	EFFICIENCY	DIMENSIONS	LV KNOCKOUTS
LED-DRJ-100-12	100-277V AC	12V DC	100W	1W	> 79% (120-277V)	10.90″L x 3.97″W x 1.96″H	1
LED-DRJ-150-24	100-277V AC	24V DC	150W	1W	> 86% (120V) >88% (277V)	10.26″L x 4.173″W x 1.927″H	1
LED-DRJ-192-24	100-277V AC	24V DC	192W	1W	> 79% (120-277V)	10.94″L x 4.25″W x 1.8″H	2x96 Watts
LED-DRJ-200-24	110-277V AC	24V DC	200W	1W	> 86% (120V) >88% (277V)	10.26″L x 4.173″W x 1.927″H	1
LED-DRJ-288-24	100-277V AC	24V DC	288W	1W	> 79% (120-277V)	11.85″L x 4.25″W x 1.8″H	3x96 Watts
LED-DRJ-300-24	110-277V AC	24V DC	300W	1W	> 88% (120V) >92% (277V)	10.86″L x 3.07″W x 1.85″H	1

NON-DIMMING POWER SUPPLIES

PLUG-IN SERIES POWER SUPPLIES

12W / 25W / 40W / 60W / 90W

Use one of these constant voltage DC power supplies for non-dimming plug-in applications, based on the capacity and voltage needed. The DC-VPI accessory can be used with Trulux tape light, ideally with a switched outlet since the driver does not include an inline switch. cULus Listed for use in dry locations.

c UL us LISTED

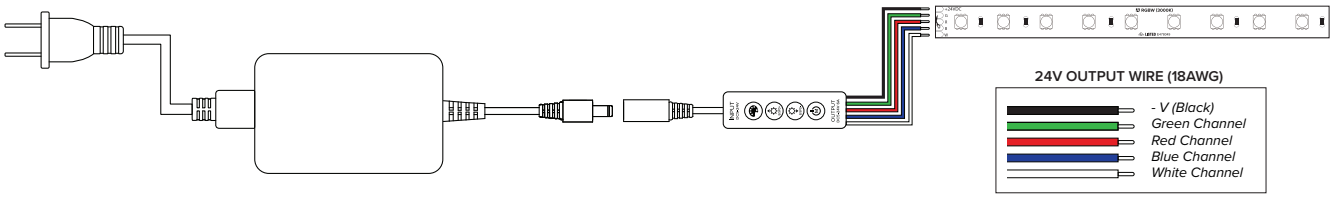
FEATURES & BENEFITS

- 6′ 18AWG power cord with 3-prong plug
- 5′ 18AWG tail with male DC jack

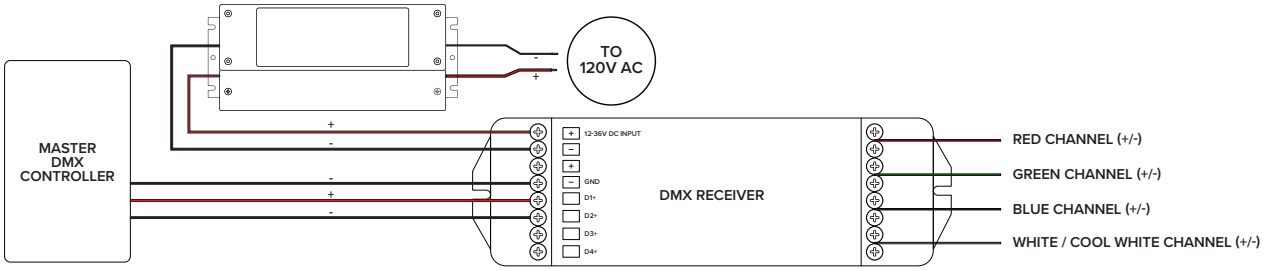
NON-CLASS 2 PLUG-IN SERIES POWER SUPPLIES

ITEM NUMBER	INPUT	OUTPUT	MAX LOAD	OUTPUT WIRE	DIMENSIONS	LV CONNECTIONS
PS-25-24VPI	120V AC	24V DC	25W	5′ 18AWG Tail with Male DC Jack	2.875″L x 2.125″W x 1.125″H	1
PS-40-24VPI	120V AC	24V DC	40W	5′ 18AWG Tail with Male DC Jack	5.75″L x 2″W x 1.25″H	1
PS-60-24VPI	120V AC	24V DC	60W	5′ 18AWG Tail with Male DC Jack	5.75″L x 2″W x 1.25″H	1
PS-90-24VPI	120V AC	24V DC	90W	5′ 18AWG Tail with Male DC Jack	6.75″L x 2.375″W x 1.25″H	1
PS-12-12VPI-T	120V AC	12V DC	12W	5′ 18AWG Tail with Male DC Jack	5.25″L x 2″W x 0.6875″H	1

Plug-In Series Wiring Diagram



LED-DRJ Wiring Diagram



STEP 4: SPECIFY CONNECTORS

An Undeniable Connection

LEARN MORE ON *Pages 118–119*

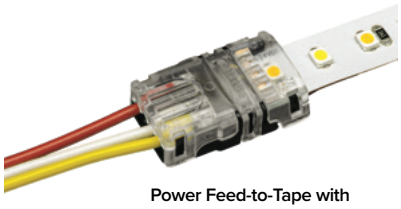
Every lighting design requires specific connectors and accessories to tie the whole system together. Trulux color changing tape light utilizes the same types of connectors as static white tape light, only with added room for different wiring required by RGBW, RGB+TW, and Tunable White tape light.

Connectors and accessories can sometimes add to the confusion of a tape light system, but they don't have to. Trulux connectors and accessories are designed to work intuitively with each other to remove complicated installation steps, making the entire process that much easier. Trulux color changing connectors and accessories are available in 4-wire, 5-wire, and 6-wire configurations. Within those configurations, there are three main types of accessories: conkits, splices, and jumpers. Conkits are the initial connection kits for tape light that connect the tape light to the driver. Splices are small connection accessories that are designed to seamlessly splice two pieces of tape light together. Jumpers are used to connect two different pieces of tape light together with different lengths of 18AWG wire between the two pieces of lights.

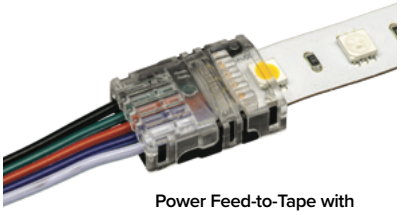
TRULUX COLOR CHANGING SYSTEM GUIDE

Tape Light Selection		Controller Selection		Power Supply Selection		Connectors Selection		Extrusion Selection
1	+	2	+	3	+	4	+	5

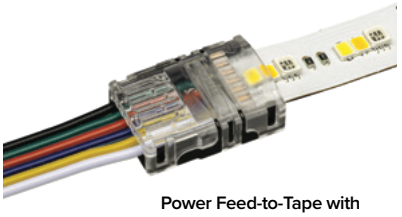
TYPES OF CONNECTIONS



Power Feed-to-Tape with
4-Wire HD Connector



Power Feed-to-Tape with
5-Wire HD Connector



Power Feed-to-Tape with
6-Wire HD Connector

CONKITS

Conkits are required for every Trulux tape light installation. They come in a few varieties based on the type of tape light being used, but the main premise is simple. Conkits are used to connect a piece of tape light to the driver or power supply driving it. Trulux color changing tape light utilizes Heavy Duty conkits to ensure the most secure connection possible.

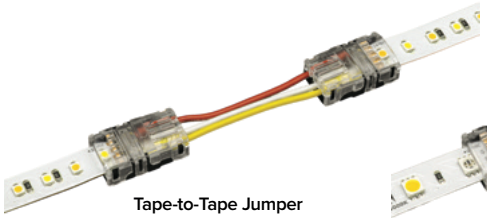
Tape-to-Tape Splice with
4-Wire HD Connector

Tape-to-Tape Splice with
5-Wire HD Connector

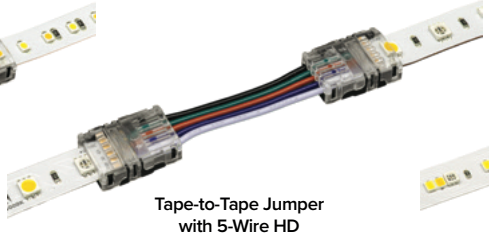
Tape-to-Tape Splice with
6-Wire HD Connector

SPLICES

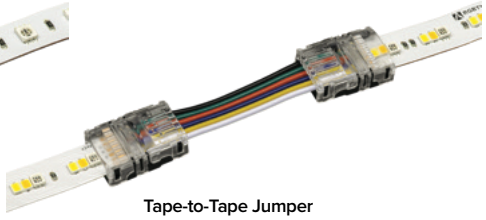
One of the most convenient features of tape light is the ability to cut it at marked locations and reconnect it with another piece of tape. When end-to-end connections are needed, a splice is the best option. Snap connecting splices are an easy way to reconnect two different pieces of tape light.



Tape-to-Tape Jumper
with 4-Wire HD
Connector



Tape-to-Tape Jumper
with 5-Wire HD
Connector



Tape-to-Tape Jumper
with 6-Wire HD
Connector

JUMPERS

Linear tape light designs often include gaps in tape light pieces. These can either be for corners, different sections of the same light strip, or any other number of applications. Snap connecting jumpers make these applications easy to accomplish, whether you need 10″ of distance between tape light runs, or even 10′.

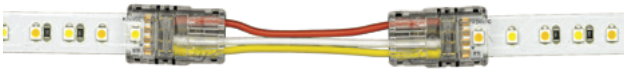
Tunable White Light, 3-Wire Heavy Duty Connector Integration

HD Power Feed: TL-4PWR-HD **HD Linking Cable (6”):** TL-4JUMP6-HD **HD Linking Cable (24”):** TL-4JUMP24-HD
HD Splice: TL-4SPL-HD

Power Feed-to-Tape

Tape-to-Tape Splice

Tape-to-Tape Jumper

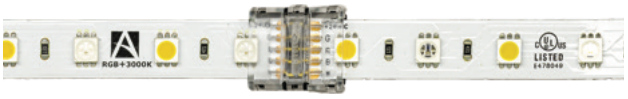


RGBW, 5-Wire Heavy Duty Connector Integration

HD Power Feed: TL-5PWR-HD **HD Linking Cable (6”):** TL-5JUMP6-HD **HD Linking Cable (24”):** TL-5JUMP24-HD
HD Splice: TL-5SPL-HD

Power Feed-to-Tape

Tape-to-Tape Splice



Tape-to-Tape Jumper

RGB+TW, 6-Wire Heavy Duty Connector Integration

HD Power Feed: TL-6PWR-HD **HD Linking Cable (6”):** TL-6JUMP6-HD **HD Linking Cable (24”):** TL-6JUMP24-HD
HD Splice: TL-6SPL-HD

Power Feed-to-Tape

Tape-to-Tape Splice

Tape-to-Tape Jumper

STEP 5: SPECIFY EXTRUSIONS

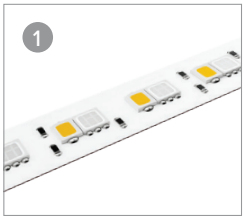
Excluding an Extrusion? Not Us.

LEARN MORE ON *Pages 118–119*

One of the main aspects tape light is different from other luminaires is the way it is mounted and installed. It can be installed as is, without any sort of extrusion or channel, or it can be installed with the many different extrusion options to give any kind of look or aesthetic possible.

Extrusions serve a very functional purpose in addition to the aesthetic visuals they provide. LEDs create heat and certain Trulux tape light models generate more heat than others. Extrusions act as a natural heat dissipation device, allowing for better performance and longer life when luminaires that are installed in them. Whether retrofit, new construction, or adding to an existing space, extrusions can be mounted and installed in any sort of project, using multiple kinds of methods. Combined with the versatility of different diffusion and optical accessory options, extrusions can enhance any linear lighting design on several levels.

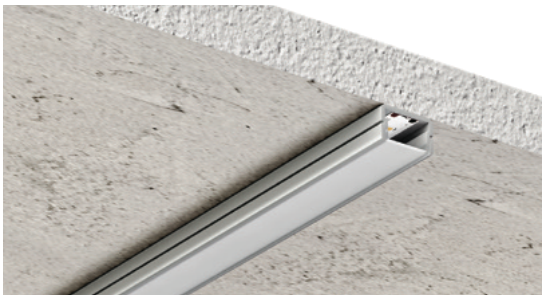
TRULUX COLOR CHANGING SYSTEM GUIDE

Tape Light Selection		Controller Selection		Power Supply Selection		Connectors Selection		Extrusion Selection
1 	+	2	+	3	+	4	+	5

TYPES OF EXTRUSIONS

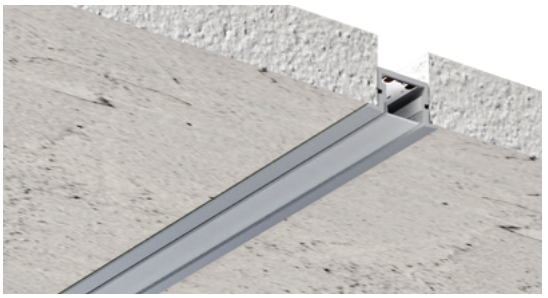
SURFACE MOUNT

In some cases, the extrusion itself adds to the aesthetic look of a space. Surface mount extrusions come in many shapes and sizes to provide multiple different looks for tape light. They are an excellent solution for creating eye-catching accent lighting displays, or for featuring ambient and task lighting in a bold and interesting way.



RECESSED MOUNT

Recessed extrusions for linear tape light are a great solution for insetting linear tape light into an existing surface, giving a stylish finish to any environment. Used for all three, task, ambient, and accent lighting, recessed extrusions are extremely adaptable and come in several different form factors.

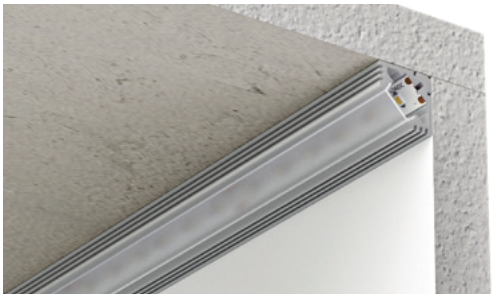


DRYWALL MOUNT

New construction and certain remodel projects provide the opportunity to mount tape light directly into drywall using drywall extrusions. This allows for seamless light that blends into walls, further eliminating distractions. Drywall extrusions are the perfect solution to discreetly mount linear tape light in a sleek, sophisticated way.

45° CORNER

Linear lighting in the corner of a wall or display can create impressive visuals that are both interesting to look at while still creating functional illumination. Extrusions that fit in a 45° corner can also be utilized under cabinets and other similar applications where the luminaire needs to be hidden from sightlines.



RECOMMENDED SURFACE MOUNT EXTRUSIONS

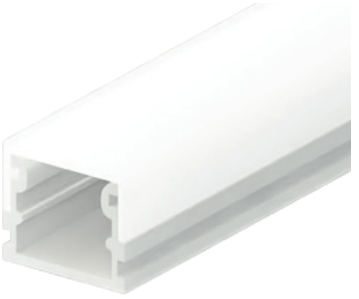
Extrusions recommended for mounting directly to a surface

GT

- Small profile for subtle aesthetics
- Fits TL-BLK and TL-CONKIT connectors
- Frosted lens for partial diffusion and physical protection
- Great for indirect applications
- Optional End Caps available

GTX

- Large profile that fits all Trulux connectors
- Helps eliminate visual dotting
- Frosted lens for partial diffusion and physical protection
- Field cuttable
- Optional End Caps available



TRACE

- Fits all Trulux connectors
- Full diffusion for all tape light models
- Zero dotting for all tape light models
- Field cuttable
- Optional End Caps available

RECOMMENDED RECESSED MOUNT EXTRUSIONS

Extrusions recommended for recessed mounting into a surface or space

DOUBLE FLANGE

- Fits TL-BLK and TL-CONKIT connectors
- Helps eliminate visual dotting
- Full diffusion with most tape lights
- Field cuttable
- Flanged sides to conceal any cutting imperfections

STANDARD FLANGE SLOT

- Fits all Trulux connectors
- Eliminates visual dotting
- Full diffusion with all tape lights
- Field cuttable
- Optional spring mounting clips available

RECOMMENDED DRYWALL MOUNT EXTRUSIONS

Extrusions recommended for mud-in mounting directly into drywall

INVISIBLE SLOT

- Mud-in drywall installation for seamless visuals
- Extremely low profile once installed
- End caps available for tailored look
- Field cuttable
- Compatible with most Trulux tape light models

MINI FLANGE SLOT

- Fits all Trulux connectors
- Excellent for new construction drywall applications
- Full diffusion with most tape lights from 10mm-12mm wide
- Field cuttable
- Mini flanged sides to conceal any cutting imperfections

RECOMMENDED 45° CORNER EXTRUSIONS

Extrusions recommended for mounting in corners at a 45° angle

PRO 45

- Corner mount installation with a modern trim finish
- Best for window frames, display cases, and accents
- Frosted lens for even diffusion
- Field cuttable
- Compatible with most 10mm wide tape light

RUBIK

- Modern aesthetic touch
- Fits all Trulux connectors
- Corner frosted lens for full diffusion
- End caps available for tailored look
- Compatible with most tape light

RADIUS

- Rounded diffusion lens for unique look
- Fits all Trulux connectors
- Partial diffusion
- End caps available for tailored look
- Compatible with most tape light

THE ULTIMATE REFERENCE GUIDE

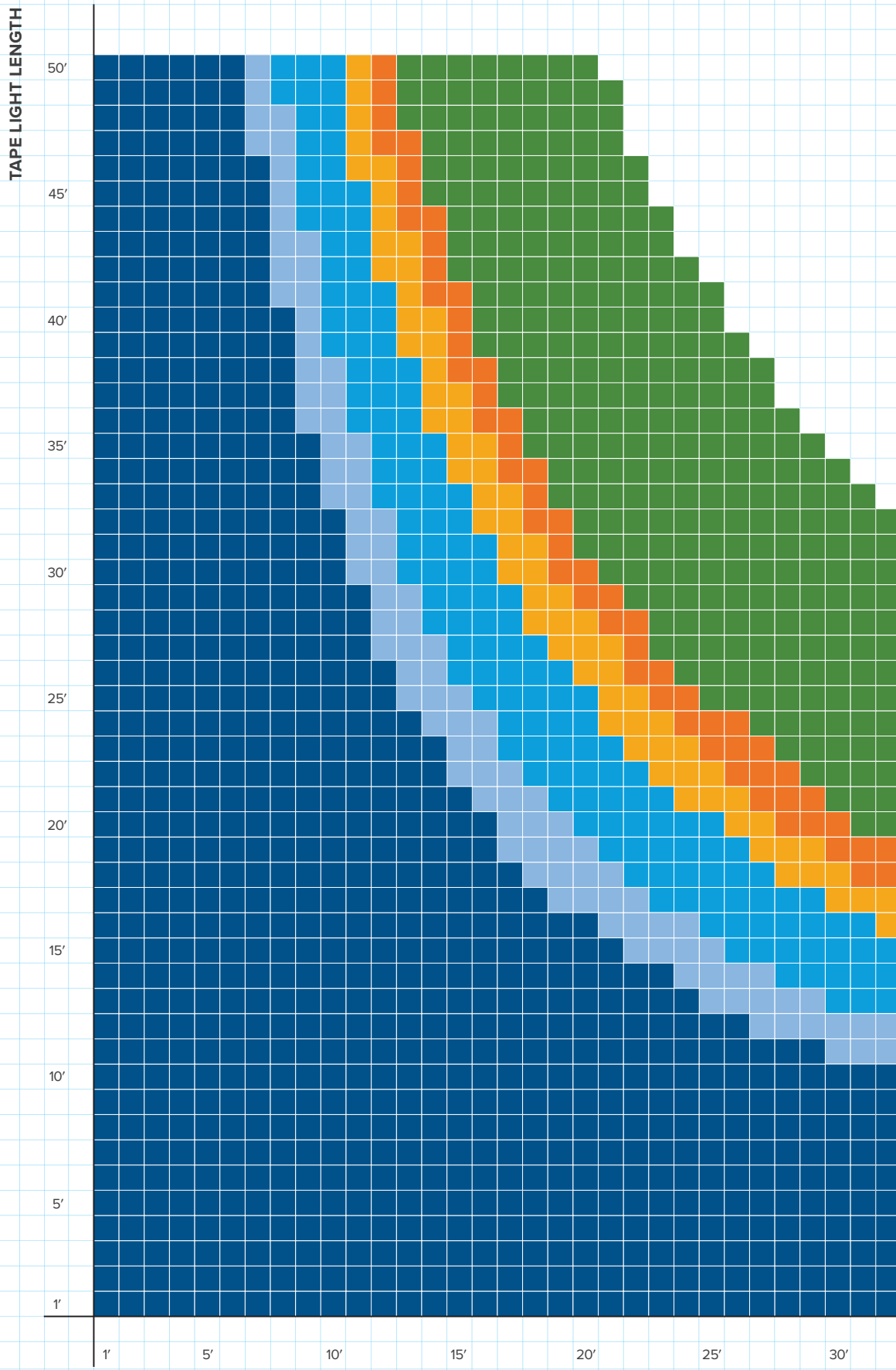
- ✓ *Tape Light Comparison*
- ✓ *Wire Gauge and Voltage Drop Charts*
- ✓ *In-depth Controls Comparison*
- ✓ *Why Use an Extrusion*
- ✓ *Detailed Guide of Extrusion Models*
- ✓ *Extrusion Bundles*
- ✓ *Tape Light, Extrusion, and Connector Compatibility Chart*

TRULUX™ TAPE LIGHT COMPARISON CHART

TAPE LIGHT QUICK SPECS

LIGHTING CATEGORY & TAPE		Performance & Function				
		INPUT VOLTAGE	WATTAGE	CCT/COLOR	LUMENS	LUMENS/WATT
Accent Lighting	TRULUX™ MAX RUN	24V DC	1.47W/ft	3000K	Up to 112Lm/ft	87Lm/W
	TRULUX™ STANDARD GRADE	24V DC	2.19W/ft	2700K / 3000K / 4000K	Up to 155Lm/ft	Up to 70Lm/W
	TRULUX™ STANDARD GRADE COB	24V DC	2.19W/ft	2700K / 3000K / 3500K / 4000K / 5000K	Up to 220Lm/ft	Up to 100Lm/W
	TRULUX™ STANDARD GRADE HD	24V DC	2.19W/ft	2700K / 3000K / 3500K / 4000K / 5000K	Up to 230Lm/ft	Up to 105Lm/W
	TRULUX™ STANDARD WARM DIM	24V DC	3W/ft	1800K–3000K	Up to 262Lm/ft	Up to 87Lm/W
Task Lighting	TRULUX™ HIGH OUTPUT	24V DC	4.6W/ft	2700K / 3000K / 4000K	Up to 310Lm/ft	Up to 76Lm/W
	TRULUX™ HIGH OUTPUT WARM DIM	24V DC	4W/ft	1800K–3000K	Up to 335Lm/ft	Up to 83Lm/W
	TRULUX™ HIGH OUTPUT HD	24V DC	3.65W/ft	2700K / 3000K / 3500K / 4000K / 5000K	Up to 385Lm/ft	Up to 101Lm/W
	TRULUX™ HIGH OUTPUT COB	24V DC	4.5W/ft	2700K / 3000K / 3500K / 4000K / 5000K	Up to 448Lm/ft	Up to 102Lm/W
Ambient Lighting	TRULUX™ SPEC ECO	24V DC	5.8W/ft	2700K / 3000K / 3500K / 4000K	Up to 640Lm/ft	Up to 110m/W
	TRULUX™ SPEC GRADE ULTRA	24V DC	7W/ft	2700K / 3000K / 3500K / 4000K	Up to 650Lm/ft	Up to 92Lm/W
	TRULUX™ VEGA	24V DC	7W/ft	2700K / 3000K / 3500K / 4000K	Up to 1163Lm/ft	Up to 166Lm/W
Color Changing Lighting	TRULUX™ RGBW HIGH OUTPUT COB	24V DC	4.5W/ft	RGBW (3000K)	Up to 200Lm/ft	Up to 44Lm/W
	TRULUX™ RGBW HIGH OUTPUT	24V DC	4.4W/ft	RGBW (3000K)	Up to 240Lm/ft	Up to 60Lm/W
	TRULUX™ RGBW SPEC GRADE	24V DC	7W/ft	RGBW (3000K)	Up to 350Lm/ft	Up to 50Lm/W
	TRULUX™ RGB+TW SPEC GRADE	24V DC	7W/ft	RGB+TW (2700K–6000K)	Up to 410Lm/ft	Up to 88Lm/W
Tunable White Lighting	TRULUX™ HIGH OUTPUT TUNABLE CCT	24V DC	2.9W/ft	Tunable CCT (2700K–6000K)	Up to 255Lm/ft	Up to 88Lm/W
	TRULUX™ HIGH OUTPUT TUNABLE CCT COB	24V DC	4.5W/ft	Tunable CCT (2700K–6000K)	Up to 400Lm/ft	Up to 89Lm/W
	TRULUX™ SPEC GRADE TUNABLE CCT	24V DC	7W/ft	Tunable CCT (2700K–6000K)	Up to 510Lm/ft	Up to 73Lm/W

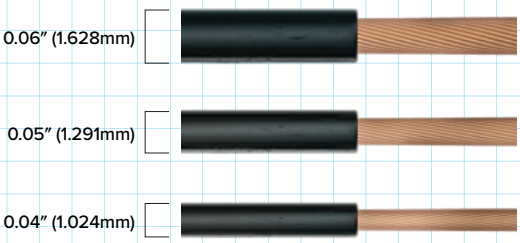
Performance & Function		Construction				Certifications & Ratings	
CRI	MAX RUN	CUT INCREMENT	WIDTH	LED TYPE	LED SPACING	CLOSET RATED	JA8 COMPLIANT
90+	65.6ft	1.97″ (50mm)	0.39″ (10mm)	3528	0.33″ (8mm)	✗	✗
96+	32.8ft	6.56″ (167mm)	0.39″ (10mm)	2835	1.30″ (33mm)	✓	✓
90+	16.4ft	1.97″ (50mm)	0.39″ (10mm)	COB	——	✗	✓
90+	32.8ft	2.46″ (62.5mm)	0.39″ (10mm)	2216	0.35″ (9mm)	✗	✗
90+	20ft	3.94″ (100mm)	0.39″ (10mm)	3018	0.35″ (9mm)	✗	✗
96+	22ft	3.94″ (100mm)	0.39″ (10mm)	2835	0.63″ (16mm)	✓	✓
90+	20ft	2.16″ (55mm)	0.39″ (10mm)	3018	0.32″ (8mm)	✗	✓
90+	27ft	1.51″ (38mm)	0.39″ (10mm)	2216	0.21″ (5mm)	✗	✗
90+	16.4ft	1.97″ (50mm)	0.39″ (10mm)	COB	——	✗	✗
96+	16.4ft	1.97″ (50mm)	0.39″ (10mm)	2835	0.35″ (8mm)	✗	✗
90+	16.4ft	0.32″ (8mm)	0.39″ (10mm)	2835	0.32″ (8mm)	✗	✗
80+	13.1ft	1.40″ (35mm)	0.39″ (10mm)	5630	0.175″ (4mm)	✗	✗
90+	16.4ft	3.28″ (83mm)	0.47″ (12mm)	COB	——	✗	✗
90+	22ft	6.56″ (167mm)	0.47″ (12mm)	5050RGB + 5050WW	0.63″ (16mm)	✗	✗
90+	16.4ft	2.46″ (62.5mm)	0.47″ (12mm)	3535RGB + 2835WW	0.21″ (5mm)	✗	✗
90+	13.1ft	3.94″ (100mm)	0.47″ (12mm)	3535RGB + 2835WW + 2835W	0.66″ (17mm)	✗	✗
90+	32.8ft	3.94″ (100mm)	0.39″ (10mm)	2216	0.33″ (8mm)	✗	✗
90+	16.4ft	2.46″ (62mm)	0.39″ (10mm)	COB	——	✗	✗
90+	13.1ft	3.94″ (100mm)	0.39″ (10mm)	2835WW + 2835W	0.33″ (8mm)	✗	✗

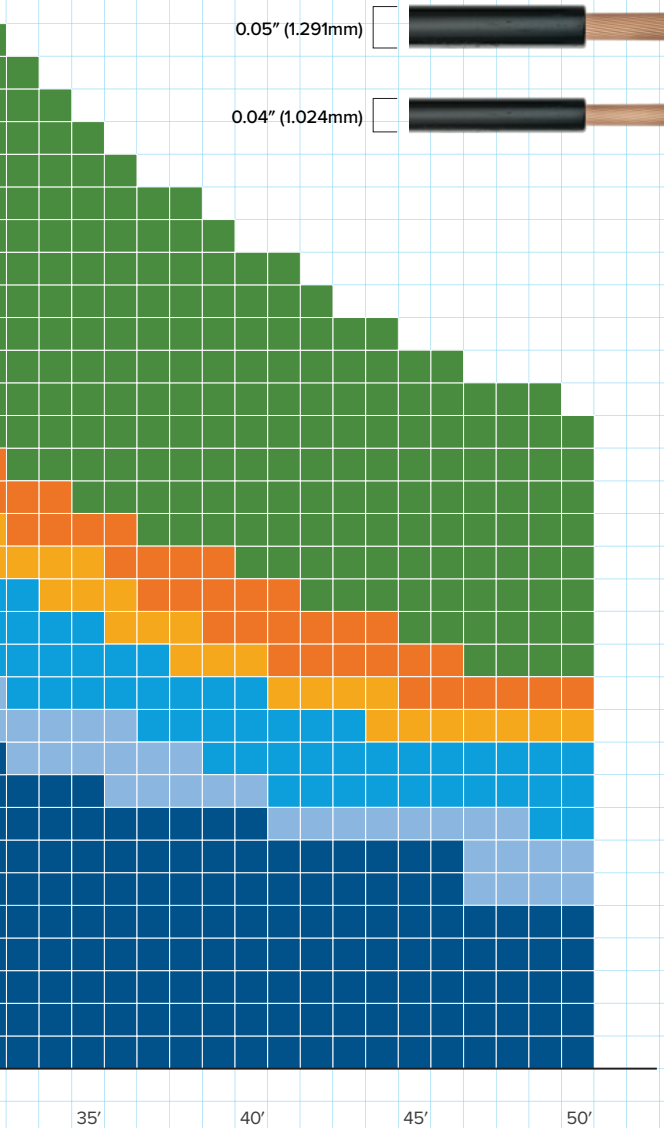

TAPE LIGHT LENGTH
50′
45′
40′
35′
30′
25′
20′
15′
10′
5′
1′
1′
5′
10′
15′
20′
25′
30′

WHITE LIGHT **WIRE GAUGE & VOLTAGE DROP**

Voltage drop occurs when the voltage at the end of a segment of tape light is significantly lower than at the beginning of the segment, causing uneven illumination and dimmed diodes at the end of the segment. For Trulux White Light tape light, use this chart as a guide, making sure to properly plan your design with voltage drop in mind.

If a design calls for a further distance from the driver to the LED tape than is recommended in this chart, consider increasing the gauge of wire from 18AWG to 16AWG, 14AWG, or 12AWG.

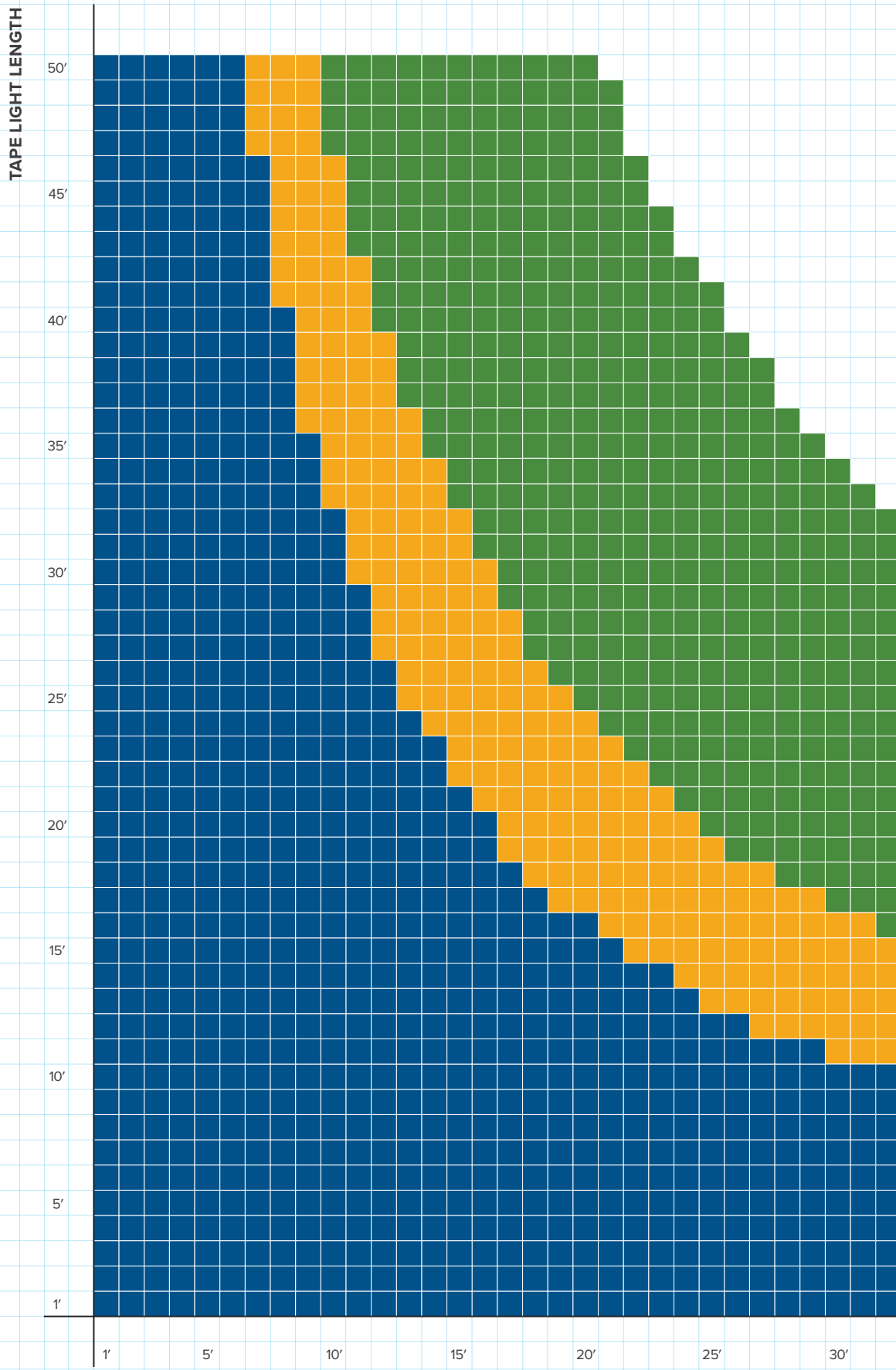




MAXIMUM 18AWG WIRE LEAD LENGTH

- **TRULUX VEGA**
- **TRULUX SPEC ECO**
- **TRULUX HIGH OUTPUT COB**
- **TRULUX HIGH OUTPUT WARM DIM**
- **TRULUX HIGH OUTPUT HD**
- **TRULUX STANDARD GRADE HD**
  TRULUX STANDARD GRADE COB

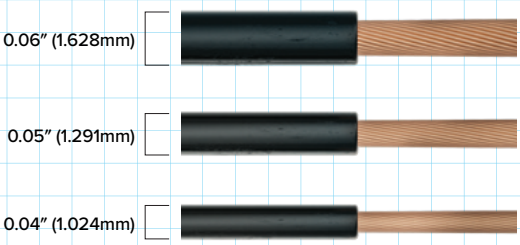
For models and SKUs of tape light not included in this chart, please reach out to the factory.

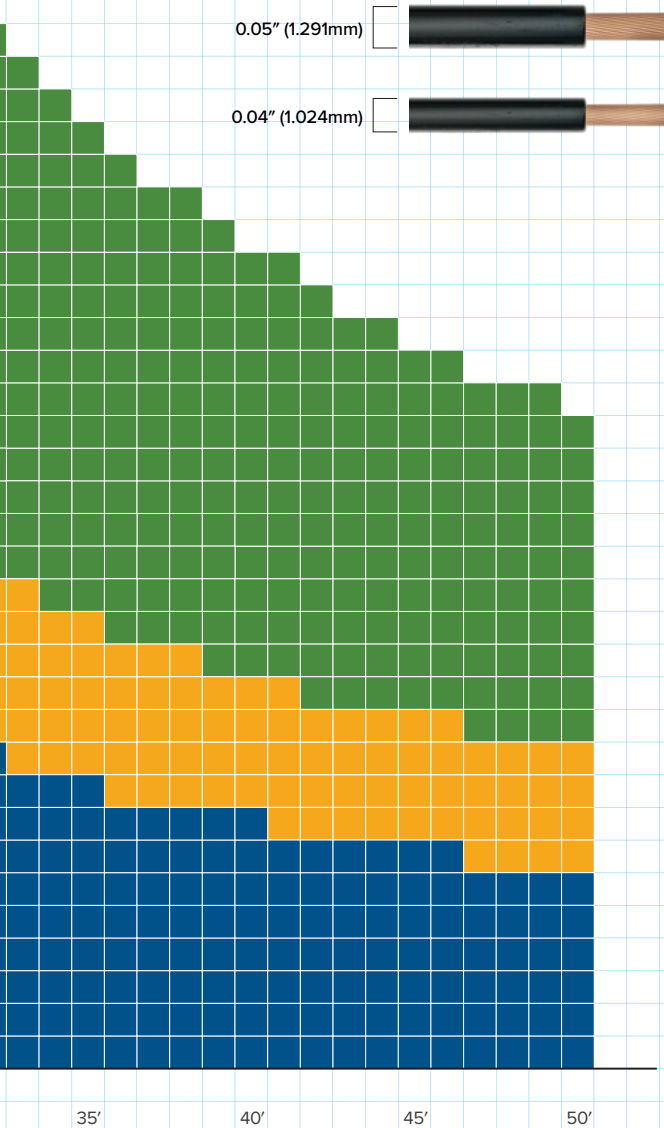

TAPE LIGHT LENGTH
50′
45′
40′
35′
30′
25′
20′
15′
10′
5′
1′
1′
5′
10′
15′
20′
25′
30′

COLOR CHANGING **WIRE GAUGE & VOLTAGE DROP**

Voltage drop occurs when the voltage at the end of a segment of tape light is significantly lower than at the beginning of the segment, causing uneven illumination and dimmed diodes at the end of the segment. For Trulux Color Changing tape light, use this chart as a guide, making sure to properly plan your design with voltage drop in mind.

If a design calls for a further distance from the driver to the LED tape than is recommended in this chart, consider increasing the gauge of wire from 18AWG to 16AWG, 14AWG, or 12AWG.





MAXIMUM 18AWG WIRE LEAD LENGTH

TRULUX HIGH OUTPUT TUNABLE CCT

TRULUX RGBW HIGH OUTPUT

TRULUX RGBW SPEC GRADE
TRULUX RGB + TW SPEC GRADE

For models and SKUs of tape light not included in this chart, please reach out to the factory.

TRULUX™ CONTROLS COMPARISON CHART

CONTROLS QUICK SPECS

CONTROL TYPE		Performance & Function				
		CONTROL TYPE	INPUT VOLTAGE	OUTPUT/PROTOCOL	RATED WATTAGE	MAX LOAD
Hardwired	SWITCHEX 60W - 24V	Static White	120V AC	24V DC	60W	60W, 2.5A
	SWITCHEX 100W	Static White	120V AC	24V DC	100W	100W, 4.2A
Spektrum+ Smart Lighting	SPEKTRUM+ 120V WALL SWITCH	Static White	120V AC	120V AC / Bluetooth® SIG Mesh	1200W	——
	SPEKTRUM+ 120V DIMMER SWITCH	Static White	120V AC	120V AC / Bluetooth® SIG Mesh	300W (INC) 250W (LED & CFL)	——
	SPEKTRUM+ DOOR & WINDOW CONTACT SENSOR	Static White, Tunable CCT, RGB, RGBW, RGB+TW	3V CR2 Lithium Battery	Bluetooth® SIG Mesh	——	——
	SPEKTRUM+ PIR MOTION SENSOR	Static White, Tunable CCT, RGB, RGBW, RGB+TW	3V CR2 Lithium Battery	Bluetooth® SIG Mesh	——	——
	SPEKTRUM+ PIR MOTION & LUMINANCE SENSOR	Static White, Tunable CCT, RGB, RGBW, RGB+TW	3V CR2 Lithium Battery	Bluetooth® SIG Mesh	——	——
	SPEKTRUM+ SMART RECEIVER	Static White, Tunable CCT, RGB, RGBW, RGB+TW	12-24V DC	48W per Channel for 12V	28W (12V) or 96W (24V) per Channel	4A per Channel
	SPEKTRUM+ SMART SWITCH	Static White, Tunable CCT, RGB, RGBW, RGB+TW	3V DC CR2032 Battery	Bluetooth® SIG Mesh	——	——
DMX	DMX TUNABLE WHITE WALL CONTROL	Tunable CCT	12-24V DC	DMX	——	——
	DMX RGBW WALL CONTROL	RGBW	12-24V DC	DMX	——	——
	DMX RGB+TW WALL CONTROL	RGB+TW	12-24V DC	DMX	——	——

HARDWIRED DIMMING SET-UP

1. Hardwired Controller
Standard TRIAC Dimmer

2. Power Supply
Adaptive Driver Series

3. Tape Light
24V Trulux™ Tape Light

SPEKTRUM+ SET-UP
Smart Switches

1. Smart Device App
Spektrum+ App

2. Wireless Gateway
Spektrum+ Smart Gateway

3. Wall Switch/Dimmer
Spektrum+ Smart Switches

4. Tape Light
24V Trulux™ Tape Light

Performance & Function		Construction			Certifications & Ratings
SIGNAL FREQUENCY	ZONE CONTROL	FINISH	DIMENSIONS	MOUNTING TYPE	RATINGS LIST
——	——	White, Black, Almond	5.5″L x 2.1″W x 4.1″H	Single Gang Junction Box	cULus Listed / Indoor Use Only FCC / RoHS
——	——	White, Black, Almond	5.5″L x 2.1″W x 4.1″H	Single Gang Junction Box	cULus Listed / Indoor Use Only FCC / RoHS
——	——	White	4.13″L x 1.77″W x 1.77″H	Single Gang Junction Box	cULus Listed / Indoor Use Only FCC / RoHS
——	——	White	4.13″L x 1.77″W x 1.77″H	Single Gang Junction Box	cULus Listed / Indoor Use Only FCC / RoHS
2.4GHz	——	White	2.75″L x 0.94″W x 0.75″H	Fix With Screw or Double Sided Tape	Dry Location
2.4GHz	——	White	1.69″L x 1.49″W x 1.41″H	Fix with Double Sided Tape	Dry Location
2.4GHz	——	White	1.89″L x 1.14″W x 2″H	Fix with Double Sided Tape	Dry Location
2.4GHz	——	White	5.625″L x 1.19″W x 0.66″H	——	Dry Location / FCC
2.4GHz	——	White	1.28″W x 2.6″H	——	Dry Location
512 Signal	4 Zones	Black	1.16″L x 2.95″W x 4.72″H	Single Gang Junction Box	UL / FCC / RoHS / Dry Location
512 Signal	4 Zones	Black	1.16″L x 2.95″W x 4.72″H	Single Gang Junction Box	UL / FCC / RoHS / Dry Location
512 Signal	4 Zones	Black	1.16″L x 2.95″W x 4.72″H	Single Gang Junction Box	UL / FCC / RoHS / Dry Location

SPEKTRUM+ SET-UP
Smart Sensors

1. Smart Device App
Spektrum+ App

2. Wireless Gateway
Spektrum+ Smart Gateway

3. Motion Sensor
Spektrum+ Smart Sensors

4. Tape Light
24V Trulux™ Tape Light

BASIC DMX SET-UP

1. DMX Controller
DMX Wall Controller

2. Power Supply
Adaptive Driver Series

3. DMX Interface
DMX Decoder

4. Tape Light
24V Trulux™ Tape Light

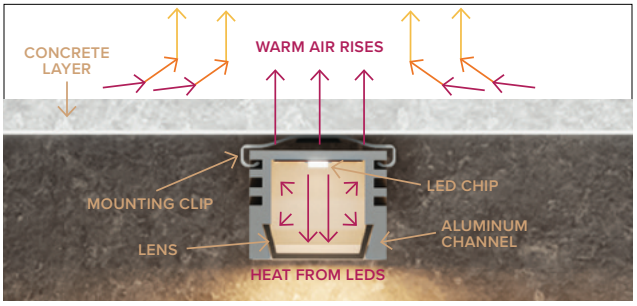
WHY USE AN **EXTRUSION OR MOUNTING CHANNEL**

LIGHT DIFFUSION

Lenses for extrusions diffuse light, spreading it evenly across the area of illumination

INCREASES TAPE LIGHT LONGEVITY

Tape light by itself may eventually peel away and fall off overtime. In an extrusion, tape light is permanently installed



HEAT DISSIPATION

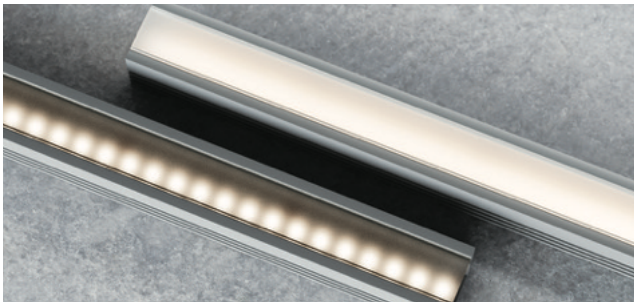
Extrusions help to dissipate heat that LEDs naturally produce

REDUCES GLARE

Extrusions reduce the direct glare from LEDs that can be irritating to view directly

COMPLETE FIXTURE AESTHETICS

Extrusions give tape light the appearance of a complete lighting fixture, not just a strip of tape light



REDUCES DOTTING

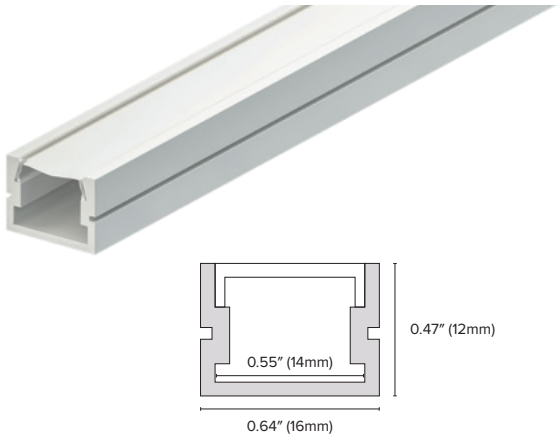
Extrusions help to visually blur tape light diodes together, reducing dotting for the luminaire

SURFACE MOUNT EXTRUSIONS

UNIVERSAL EXTRUSION

Best for stairs, handrails, display shelving and cases, niche and accent lighting

A universal go to for tape light extrusion installations with multiple mounting options, the Universal is just that. Allowing for recessed or surface mount applications, the Universal extrusion features a slightly regressed housing that helps eliminate tape light dotting while providing a slim but sleek final appearance.



COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*

Connectors: Trulink Block Connector

ORDERING INFORMATION

PE-AA2-1M	1M Universal Aluminum Extrusion	**PE-AA2-END**	Universal End Cap
PE-AA2-LENS-1M	1M Frosted Polycarbonate UV Lens	**E-CLIP**	Surface Mount Clip
PE-FOCLENS-1M	1M Beam Angle Focusing Lens (10° with Universal)	**PE-INLINE-CON**	180° End-to-End Connector

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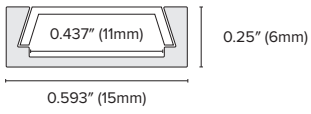
UNIVERSAL MINI EXTRUSION

Best for stairs, handrails, display shelving and cases, niche and accent lighting

A universal go to for tape light extrusion installations with multiple mounting options, the Universal Mini is just that. Allowing for recessed or surface mount applications, the Universal Mini extrusion features a low profile housing design for when space may be limited or fixture appearance needs to be at a minimum.



COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, and Trulux RGB*

Connectors: N/A

ORDERING INFORMATION

PE-AA1-1M	1M Universal Mini Aluminum Extrusion	**PE-AA1-END**	Mini End Cap
PE-UVLENS-1M	1M Frosted Polycarbonate UV Lens	**E-CLIP**	Surface Mount Clip
PE-FOCLENS-1M	1M Beam Angle Focusing Lens (10° with Universal	**PE-INLINE-CON**	180° End-to-End Connector)

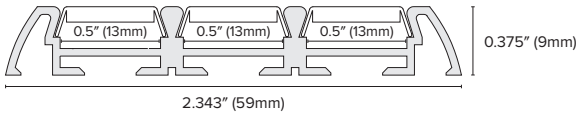
Diffusion may vary. See pages 118–119 for more.

SURFACE MOUNT EXTRUSIONS

TRIPLE STANT EXTRUSION

Best for display cases, task lighting, undercabinet, shelving, and work areas

Utilizing three rows of linear light, the Triple Stant extrusion is a popular option when ample light output is required, but also when form factor is key as well. Featuring a super low profile, the three row design allows for maximum light output perfect for task or work lighting area installations.



COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*

Connectors: N/A

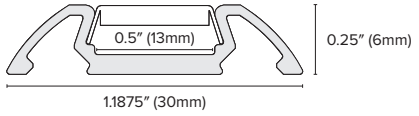
ORDERING INFORMATION

PE-3STANT-1M	1M Triple Stant Aluminum Extrusion
PE-UVSTANT-1M	1M Frosted Polycarbonate UV Lens
PE-3STANT-END	Triple Stant End Cap

SINGLE STANT EXTRUSION

Best for display cases, window framing, shelving, cabinetry, and accent lighting

The Single Stant extrusion features sloped sides making for a sleek and modern surface mount extrusion for installs where it may often be seen. Create tailored tape light fixtures that adapt and blend to their surroundings thanks in part to the low profile and smooth edge finish.



COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*

Connectors: N/A

ORDERING INFORMATION

PE-SSTANT-1M	1M Triple Stant Aluminum Extrusion
PE-UVSTANT-1M	1M Frosted Polycarbonate UV Lens
PE-SSTANT-END	Triple Stant End Cap

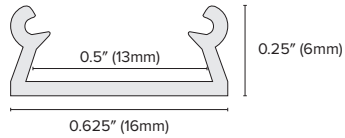
Diffusion may vary. See pages 118–119 for more.

SURFACE MOUNT EXTRUSIONS

ECONOMY EXTRUSION

Best for display lighting, window framing, niches, shelving, cabinetry, and accent lighting

An economical go to for tape light extrusion installations, the Economy extrusion provides ample heat dissipation and diffuses light just enough to provide a great economical option. Use as a surface mount application when additional tape light protection is needed.



COMPATIBILITY

Tape Light:	Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*
Connectors:	N/A

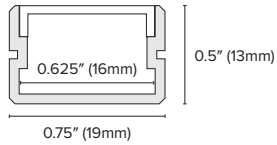
ORDERING INFORMATION

EE1-AAFR-1M	1M Economy Aluminum Extrusion 1M Semi-Frosted Polypropylene Lens (included)
EE1-END	Economy End Cap
E-CLIP	Surface Mount Clip

GT EXTRUSION

Best for undercabinet, coves, architectural accent, task and ambient lighting

The GT extrusion is simply the go to extrusion for most tape light applications. Featuring a medium height profile that is compatible with all Trulux tape light, the GT evenly diffuses light and eliminates most dotting making for one of the most universal extrusions available for any application.



COMPATIBILITY

Tape Light:	Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*
Connectors:	Trulink Block Connector

ORDERING INFORMATION

PE-GT-1M	1M GT Aluminum Extrusion
PE-GT-LENS-1M	1M Frosted Polycarbonate UV Lens
PE-GT-END	GT End Cap
E-CLIP-45	Surface Mounting Clip

**Diffusion may vary. See pages 118–119 for more.*

SURFACE MOUNT EXTRUSIONS

TRACE EXTRUSION

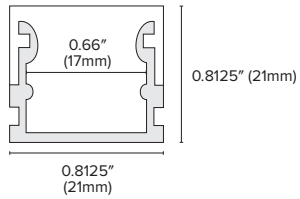
Best for display cases, task lighting, undercabinet, shelving, and work areas

Deeper regression produces zero dotting when used with most tape lights. This lightweight extrusion surface mounts with a full cover lens for a finished look.

COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*

Connectors: Trulink Block Connector, 2-Wire, 3-Wire, and 4-Wire HD Connectors



ORDERING INFORMATION

PE-TRACE-2M	2M Trace aluminum channel
PE-TRACE-LENS-2M	2M Trace frosted polycarbonate lens**
PE-TRACE-FEED	Trace end cap with feed
PE-TRACE-CLIP	Trace aluminum mounting clip

TURBO EXTRUSION†

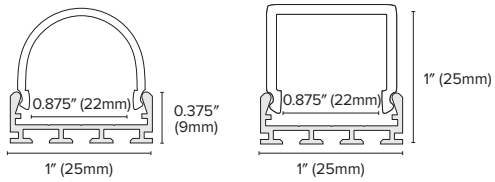
Best for offices, closets, food prep areas, workshops, and shelving

Resembling a low profile T5 luminaire, the Turbo extrusion allows for side by side tape light mounting to provide ample light output when needed. Available in with round and square lens profiles, create surface mount tape light based fixtures to be used in dynamic applications or general ambient lighting purposes.

COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*

Connectors: Trulink Block Connector, 2-Wire, 3-Wire, 4-Wire, 5-Wire and 6-Wire HD Connectors



ORDERING INFORMATION

PE-TURBO2-1M	1M Turbo Aluminum Extrusion		
PE-RTURBO-1M	1M Round Frosted Acrylic Lens	**PE-RTURBO2-END**	Turbo Round End Cap
PE-QTURBO-1M	1M Square Frosted Acrylic Lens	**PE-QTURBO2-END**	Turbo Square End Cap

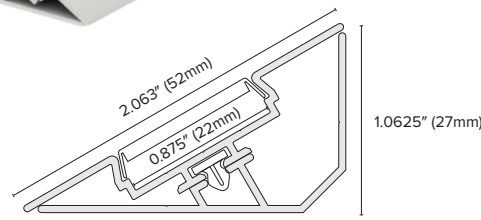
**Diffusion may vary. See pages 118–119 for more.*
***~78% Light Transmission*
†Turbo Extrusion is available as special order only. Please allow up to 2 weeks for order processing.

SURFACE MOUNT EXTRUSIONS

PRO 30 EXTRUSION‡

Best for task lighting, undercabinet, in-cabinet, display cases, and shelving

Intended to be used as a modern undercabinet and task lighting tape light based fixture, the Pro 30 features a mountable track that allows for easy snap into installation. Featuring a sloped orientation design, the Pro 30 is a great solution for most display cases, shelving units, and other task lighting applications.



COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*

Connectors: 2-Wire, 3-Wire, 4-Wire, 5-Wire and 6-Wire HD Power Feed Connectors

ORDERING INFORMATION

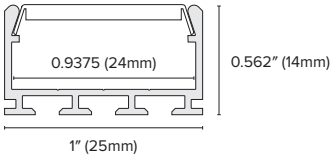
PE-PRO30-1M	1M Pro 30 Extrusion with Faceplate Insert		
PE-PRO30LENS-1M	1M Frosted Polycarbonate UV Lens	**PE-PRO30-LEFT**	Pro 30 End Cap (Left)
PE-PRO30-RIGHT	Pro 30 End Cap (Right)	**PE-SLOT-CLIP**	Pro 30 Slot Clip

---

GTX EXTRUSION

Best for undercabinet, coves, architectural accent, task and ambient lighting

The ultimate extrusion compatible with all Trulux tape light, the GTX is the perfect blend of utility and sleek design. Utilize the medium height profile to eliminate most dotting regardless of the light source while providing evenly diffused lighting. Need double the light output but limited on mounting space? No worries, as the GTX allows for side by side tape light installation for tape light widths 12mm or less (some soldering required).



COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*

Connectors: Trulink Block Connector, 2-Wire, 3-Wire, 4-Wire, 5-Wire and 6-Wire HD Power Feed Connectors

ORDERING INFORMATION

PE-GTX-1M	1M GTX Aluminum Extrusion	**PE-180-CON**	180° End-to-End Connector
PE-GTX-LENS-1M	1M Frosted Polycarbonate UV Lens	**PE-90-CON**	90° End-to-End Connector
PE-GTX-END	GTX End Cap		

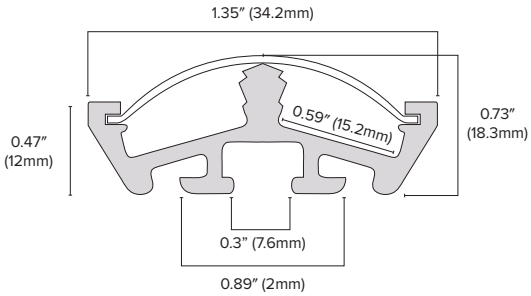
**Diffusion may vary. See pages 118–119 for more.*
‡Pro 30 Extrusion is available as special order only. Please allow up to 2 weeks for order processing.

SURFACE MOUNT EXTRUSIONS

DYAD EXTRUSION

Best for ceiling mount, ambient lighting, room lighting, and indirect lighting situations.

Perfect system for indirect ambient lighting. The two meter length enables fewer seams and more efficient installations. Create ambient light with static white, single color, RGB, RGBW, or RGBTW tape.



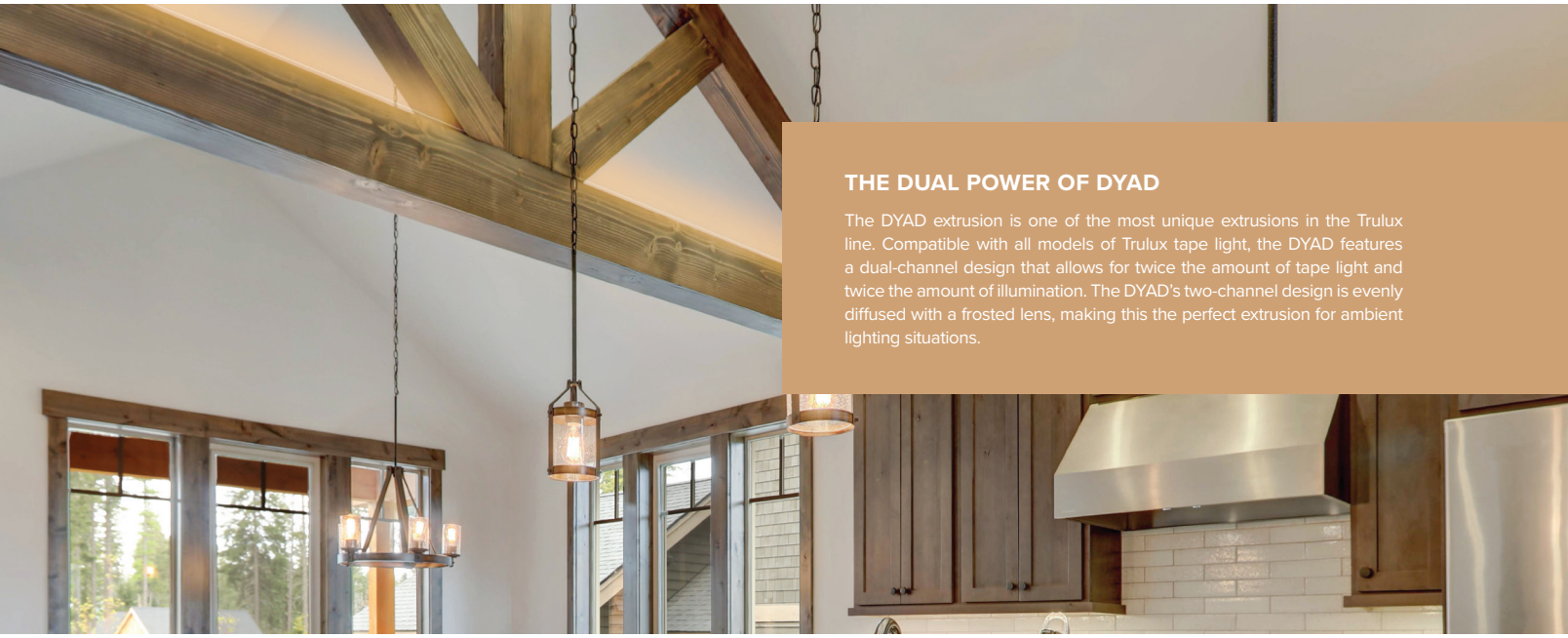
COMPATIBILITY

Tape Light:	Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*
Connectors:	Trulink Block Connector

ORDERING INFORMATION

PE-DYAD-2M	2M DYAD aluminum channel
PE-DYAD-LENS-2M	2M DYAD frosted polycarbonate lens**
PE-DYAD-END	DYAD end cap with feed (Bag of 2)
PE-DYAD-CLIP	DYAD aluminum mounting clip

TO DYAD OR **NOT TO** DYAD



THE DUAL POWER OF DYAD

The DYAD extrusion is one of the most unique extrusions in the Trulux line. Compatible with all models of Trulux tape light, the DYAD features a dual-channel design that allows for twice the amount of tape light and twice the amount of illumination. The DYAD's two-channel design is evenly diffused with a frosted lens, making this the perfect extrusion for ambient lighting situations.

**Diffusion may vary. See pages 118–119 for more.*
***~78% Light Transmission*

RECESSED MOUNT EXTRUSIONS

HELM EXTRUSION†

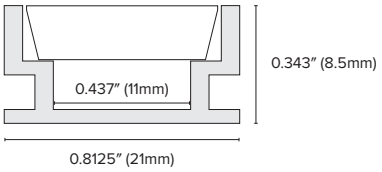
Best for interior/exterior walkways, tile/wood flooring, facades, and hardscape

The Helm extrusion is an in-grade solution for incorporating seamless lines of light into flooring, facades, architectural installations. Best used in conjunction with tile or wood flooring applications that can withstand common day to day foot traffic. Can be used in wet location applications when proper sealing techniques are followed.

COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, and Trulux RGB*

Connectors: N/A



ORDERING INFORMATION

PE-HELM-1M	1M Helm Aluminum Extrusion
PE-UVHELM-1M	1M Frosted Polycarbonate UV Lens
PE-HELM-END	Helm End Cap

MINI DOUBLE FLANGE EXTRUSION‡

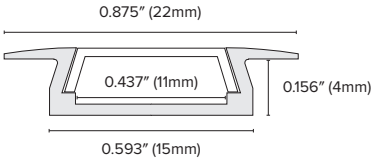
Best for stairs, handrails, display shelving and cases, niche and accent lighting

The Mini Double Flange is a traditional recessed mount extrusion that features flanged edges that masks the recessed edge making for a clean and modern install. With a slim recessed profile, use when mounting depth may be limited such as cabinet shelving or substrates when deeper regressed extrusions will not work.

COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, and Trulux RGB*

Connectors: N/A



ORDERING INFORMATION

PE-AA1DF-1M	1M Mini Double Flange Aluminum Extrusion
PE-UVLENS-1M	1M Frosted Polycarbonate UV Lens
PE-AA1DF-END	Mini Double Flange End Cap

**Diffusion may vary. See pages 118–119 for more.*
†Helm Extrusion is available as special order only. Please allow up to 2 weeks for order processing.
‡Mini Double Flange Extrusion is available as special order only. Please allow up to 2 weeks for order processing.

RECESSED MOUNT EXTRUSIONS

PAVER EXTRUSION

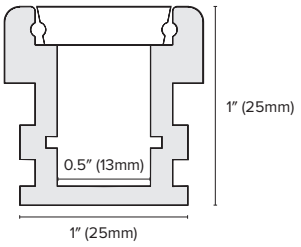
Best for exterior hardscape, landscaping, walkways, driveways, and patios

Needing an exterior rated drive over in-grade solution? The Paver is a great option for most in-grade applications needing substantial protection from indoor and outdoor elements. The Paver extrusion is commonly used in sidewalks, driveways, as well as other hard-scape or landscape installations.

COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*

Connectors: Trulink Block Connector, 2-Wire, 3-Wire, 4-Wire, 5-Wire and 6-Wire HD Power Feed Connectors



ORDERING INFORMATION

PE-PAVER-1M	1M Paver Aluminum Extrusion
PE-PAVERLENS-1M	1M Frosted Polycarbonate Lens
PE-PAVER-END	Paver End Cap

DOUBLE FLANGE EXTRUSION

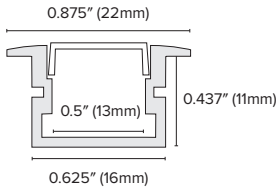
Best for stairs, handrails, display shelving and cases, niche and accent lighting

The Double Flange is a traditional recessed mount extrusion that features flanged edges that masks the recessed edge making for a clean and modern install. With slightly more regression, blend and eliminate potential LED dotting when smooth evenly diffused lighting is a must.

COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*

Connectors: Trulink Block Connector



ORDERING INFORMATION

PE-AA2DF-1M	1M Double Flange Aluminum Extrusion
PE-UVLENS-1M	1M Frosted Polycarbonate UV Lens
PE-FOCLENS-1M	10° Focusing Lens
PE-AA2DF-END:	Double Flange End Cap
PE-AA2DF-FEED	Double Flange End Cap with Hole

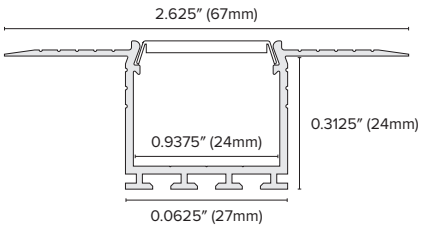
Diffusion may vary. See pages 118–119 for more.

DRYWALL MOUNT EXTRUSIONS

INVISIBLE SLOT EXTRUSION**

Best for ceiling/wall slots, hallways, corridors, lobbies, theaters, and accent lighting

For seamless lines of light that blends directly into the wall or substrate, the Invisible Slot channel is a premium solution to applications where modern and clean looks are a must. Simply install during the new construction drywalling phase by perfectly blending the channel into its surroundings. Once completed, all you are left with is a stunning line of light seamlessly incorporated into the wall or substrate.



COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*

Connectors: Trulink Block Connector, 2-Wire, 3-Wire, 4-Wire, 5-Wire and 6-Wire HD Power Feed Connectors

ORDERING INFORMATION

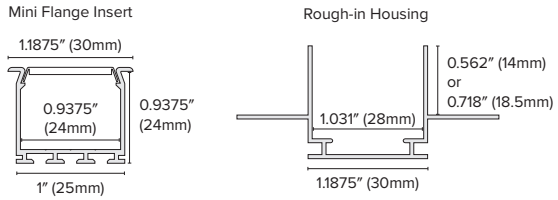
PE-INVSLOT-2M	2M Invisible Slot Aluminum Channel		
PE-SLOTLENS-2M	2M Frosted Polycarbonate UV Lens	**PE-180-CON**	180° End-to-End Connector
PE-INVSLOT-END	Invisible Slot End Cap	**PE-90-CON**	90° End-to-End Connector

---

MINI FLANGE EXTRUSION

Best for ceilings, wall slots, hallways, corridors, lobbies, theaters, and accent lighting

Mini Flange Extrusion is a premium solution for applications where modern clean lines of light that blend directly into the wall are a must. Pre-install dedicated housing slots during new construction drywalling phase and snap in the finished channel and lens.



COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*

Connectors: Trulink Block Connector, 2-Wire, 3-Wire, 4-Wire, 5-Wire and 6-Wire HD Power Feed Connectors

ORDERING INFORMATION

PE-D.5-2M	2M 1/2″ Drywall Rough-in Housing		
PE-D.6-2M	2M 5/8″ Drywall Rough-in Housing	**PE-SLOT-CLIP**	Mini Flange Slot Clip (Required)
PE-SLOT-2M	2M Mini Flange Insert	**PE-FC-END**	Drywall Slot Housing End Cap
PE-SLOTLENS-2M	2M Frosted Polycarbonate UV Lens	**PE-180-CON**	180° End-to-End Connector
PE-SLOT-END	Mini Flange Slot End Cap	**PE-90-CON**	90° End-to-End Connector

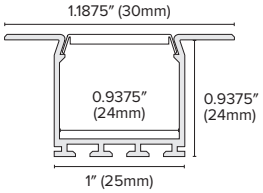
***Invisible Slot Extrusion is available as special order only. Please allow up to 2 weeks for order processing.*

DRYWALL MOUNT EXTRUSIONS

STANDARD FLANGE SLOT EXTRUSION**

Best for ceilings, wall slots, hallways, corridors, lobbies, theaters, and accent lighting

For remodeling applications, the Standard Flange Slot channel is a great fit that can be retrofit into most existing installations. It can be installed simply by cutting into existing drywall or substrate and securing into place with spring loaded clips or construction adhesive. Making for a simple yet impactful line of light for most unique tape light installations.



Spring clips for remodel applications

COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*

Connectors: Trulink Block Connector, 2-Wire, 3-Wire, 4-Wire, 5-Wire and 6-Wire HD Power Feed Connectors

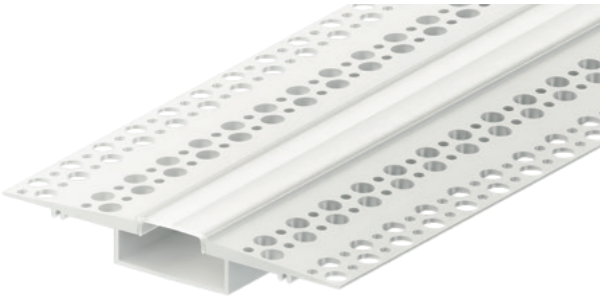
ORDERING INFORMATION

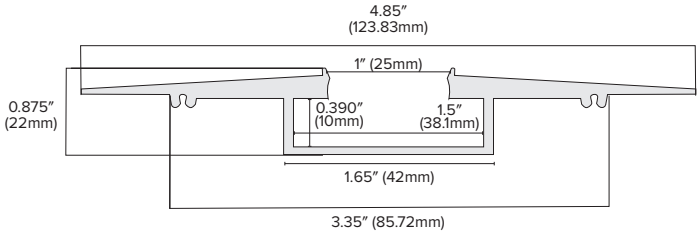
PE-DFSLOT-2M	2M Flange Slot Aluminum Channel	**PE-DFSLOT-CLIP**	Flange Slot Spring Clip
PE-SLOTLENS-2M	2M Frosted Polycarbonate UV Lens	**PE-180-CON**	180° End-to-End Connector
PE-DFSLOT-END	Flange Slot End Cap	**PE-90-CON**	90° End-to-End Connector

VERGE EXTRUSION

Best for ceiling/wall slots, hallways, corridors, lobbies, theaters, and accent lighting

Perfect for in-wall accent lighting. The two meter length means less seams and more efficient installations. With large flanges the Verge is ideal for any mud-in application. Create a linear effect in the wall with static white, Tunable CCT, RGB, RGBW, or RGB+TW tape.





COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*

Connectors: N/A

ORDERING INFORMATION

PE-VERGE-2M	2M Verge aluminum channel
PE-VERGE-LENS-2M	2M Verge frosted polycarbonate lens
PE-FOCLENS-1M	(1) Verge end cap with feed hole, (1) Verge end cap

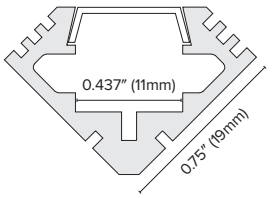
*Diffusion may vary. See pages 118–119 for more.
**Standard Flange Slot Extrusion is available as special order only. Please allow up to 2 weeks for order processing.

45° CORNER EXTRUSIONS

PREMIUM 45 EXTRUSION

Best for display cases, window framing, shelving, cabinetry, and accent lighting

Intended for corner light applications, the Premium 45 features an angled design making for a sleek and modern design aimed towards accenting store window frames and other pass-through applications. Featuring angled edges, the Premium 45 is a practical but versatile extrusion for corner installations.



COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, and Trulux RGB*

Connectors: N/A

ORDERING INFORMATION

PE-AA45-1M	1M Premium 45 Aluminum Extrusion		
PE-UVLENS-1M	1M Frosted Polycarbonate UV Lens	**PE-AA45-END**	Premium 45 End Cap
PE-FOCLENS-1M	1M Beam Angle Focusing Lens (10°)	**E-CLIP-45**	Surface Mount Clip

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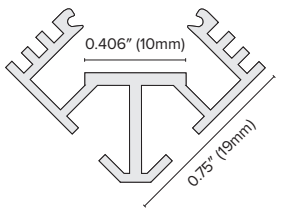
ECONOMY 45 EXTRUSION

Best for display cases, window framing, shelving, cabinetry, and accent lighting

Intended for corner light applications, the Economy 45 features an angled design making for an economical option design towards accenting store window frames and other pass-through applications. Featuring angled edges and included lens, the Economy 45 is a practical and versatile extrusion for corner installations.



COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, and Trulux RGB*

Connectors: N/A

ORDERING INFORMATION

EE45-AAFR-1M	1M Economy 45 Aluminum Extrusion 1m Semi-Frosted Polypropylene Lens (included)
EE45-END	Economy 45 End Cap
E-CLIP-45	Surface Mount Clip

Diffusion may vary. See pages 118–119 for more.

45° CORNER EXTRUSIONS

PRO 45 EXTRUSION

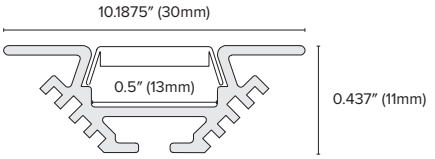
Best for display cases, window framing, shelving, cabinetry, and accent lighting

Intended for corner light applications, the Pro 45 features an angled design making for a sleek and modern design aimed towards accenting store window frames and other pass-through applications. With a clean finished edge, the Pro 45 is sure to add a modern touch to any accent lighting application.

COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*

Connectors: N/A



ORDERING INFORMATION

PE-PRO45-1M	1M Pro 45 Aluminum Extrusion
PE-PROLENS-FR-1M	1M Frosted Polycarbonate Lens
PE-PROLENS-UV-1M	1M Frosted Polycarbonate UV Lens
PE-PRO45-END	Pro 45 End Cap

RUBIK EXTRUSION

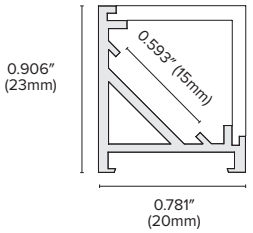
Best for display cases, window framing, shelving, cabinetry, and accent lighting

Used to create directional fixtures the Rubik fits in 90° corners and diffuses the light. It can also be used for under cabinet lighting applications. You can surface mount for easy installation.

COMPATIBILITY

Tape Light: Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*

Connectors: Trulink Block Connector, 2-Wire, 3-Wire, and 4-Wire HD Power Feed Connectors



ORDERING INFORMATION

PE-RUBIK-2M	2M Rubik aluminum channel
PE-RUBIK-LENS-2M	2M Rubik frosted polycarbonate lens**
PE-RUBIK-FEED	Rubik end cap with feed (Bag of 2)
PE-FLUSH-CLIP	Aluminum mounting clip (Bag of 10)

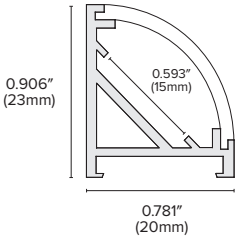
**Diffusion may vary. See pages 118–119 for more.*
***~78% Light Transmission*

45° CORNER EXTRUSIONS

RADIUS EXTRUSION

Best for display cases, window framing, shelving, cabinetry, and accent lighting

An easy-to-install extrusion designed to direct light where you want it to go. The rounded lens diffuses the light evenly with a sleek, modern aesthetic. Simple yet versatile, the Radius can be installed in 90° corners and is perfect for undercabinet applications. Surface mountable using aluminum mounting clips.



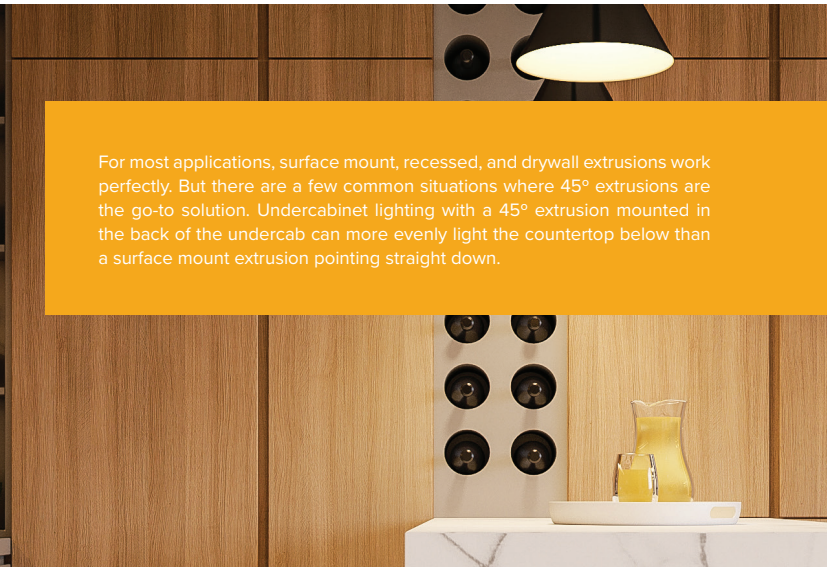
COMPATIBILITY

Tape Light:	Trulux Single Color, Trulux Tunable CCT, Trulux RGB, Trulux RGBW, and Trulux RGB+TW*
Connectors:	2-Wire, 3-Wire, and 4-Wire HD Power Feed Connectors

ORDERING INFORMATION

PE-RAD-2M	2M Radius aluminum channel
PE-RAD-LENS-2M	2M Radius frosted polycarbonate lens**
PE-RAD-FEED	Radius end cap with feed (Bag of 2)
PE-FLUSH-CLIP	Aluminum mounting clip (Bag of 10)

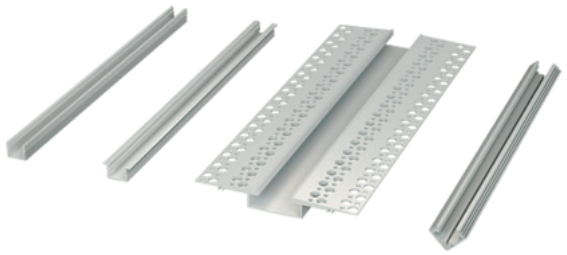
45° OF BENEFITS
WHEN TO USE A 45° EXTRUSION



For most applications, surface mount, recessed, and drywall extrusions work perfectly. But there are a few common situations where 45° extrusions are the go-to solution. Undercabinet lighting with a 45° extrusion mounted in the back of the undercab can more evenly light the countertop below than a surface mount extrusion pointing straight down.

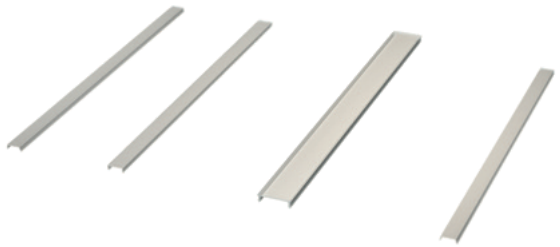
**Diffusion may vary. See pages 118–119 for more.*
***~78% Light Transmission*

WHAT'S IN AN **EXTRUSION BUNDLE**



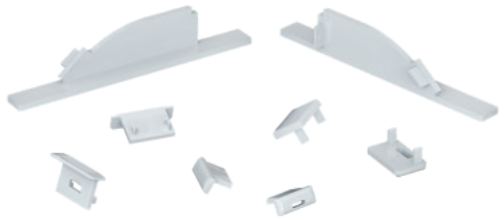
WHAT IS A CHANNEL?

The mounting channel is the most defining part of the extrusion. The channel is what determines the type of tape light that can be used, the way the tape light is mounted, and the overall visual aesthetic of the extrusion. All other parts of an extrusion bundle are shaped around the channel.



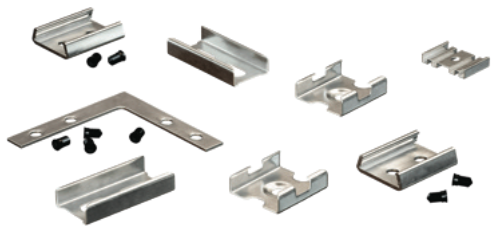
WHAT IS A LENS?

The lens, or optical lens, is what determines the overall visuals of the light output itself. Lenses typically act as a light diffuser and glare reducer, creating different visuals depending on the size and shape of each lens.



WHAT IS AN END CAP?

An end cap is the finishing touch on an extrusion. Once the tape light has been installed and all the wiring has been connected, adding end caps to an extrusion completes the look and gives it a "complete" luminaire aesthetic.



WHAT ARE MOUNTING CLIPS?

Mounting clips are the perfect solution for easy extrusion mounting. Whether you're surface mounting, recessed mounting, or dry wall mounting, utilizing mounting clips to align and secure an extrusion makes installation go as smoothly as possible.

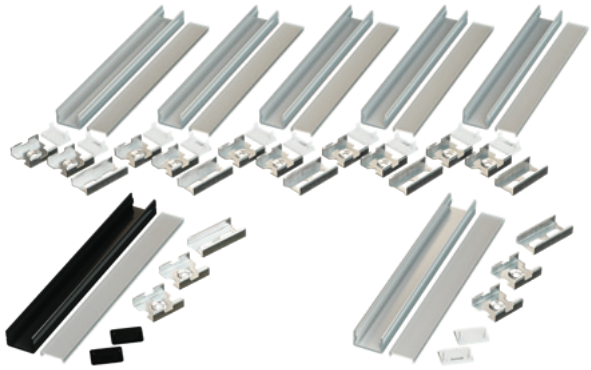
SURFACE MOUNT EXTRUSION BUNDLES

GT EXTRUSION

The GT extrusion is a go-to extrusion standard that is compatible with all Trulux tape light models. Available options include a single bundle in an aluminum finish, single bundle in a black finish, and a five-piece bundle in an aluminum finish.

ALL BUNDLES INCLUDE:

- 2M Extrusion
- High Grade Diffusion Lens with UV Inhibitor
- End Caps
- Mounting Clips

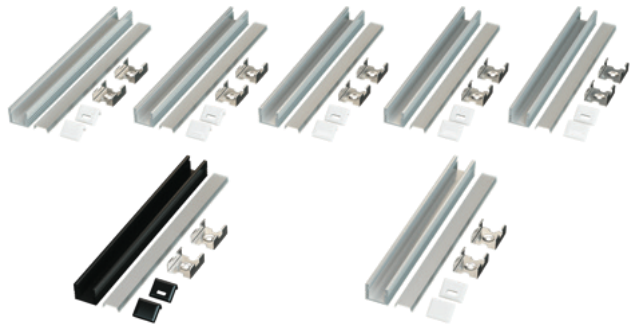


UNIVERSAL MINI EXTRUSION

Compatible with Trulux tape light 10mm wide or less, the Universal Mini is a low profile extrusion that brings elegance in simplicity to any space. Available options include a single bundle in an aluminum finish, single bundle in a black finish, and a five-piece bundle in an aluminum finish.

ALL BUNDLES INCLUDE:

- 2M Extrusion
- Snap-In Diffusion Lens with UV Inhibitor
- End Caps
- Mounting Clips
- Pre-Drilled Countersunk Holes

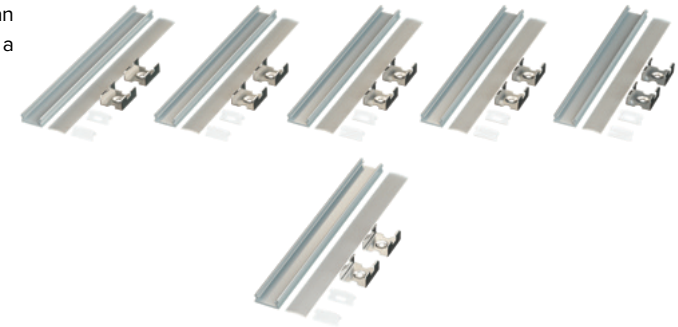


ECONOMY EXTRUSION

An economical extrusion that fits all Trulux tape light models less than 10mm wide. Available in a single bundle in an aluminum finish and a five-piece bundle in an aluminum finish.

ALL BUNDLES INCLUDE:

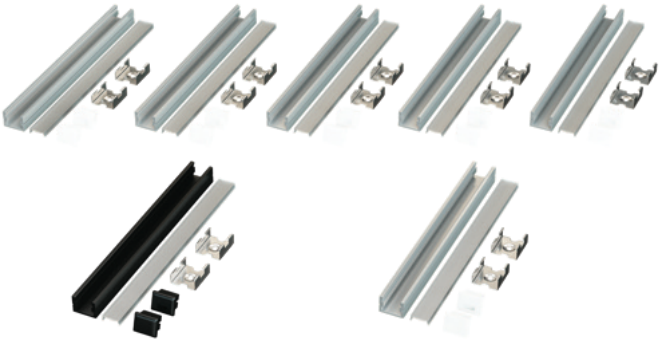
- 2M Extrusion
- High Grade Diffusion Lens with UV Inhibitor
- End Caps
- Mounting Clips
- Pre-Drilled Countersunk Holes



SURFACE MOUNT EXTRUSION BUNDLES

UNIVERSAL EXTRUSION

Compatible with Trulux tape light 10mm wide or less, the Universal Extrusion is slim and sleek option for surface mounting tape light. Available options include a single bundle in an aluminum finish, single bundle in a black finish, and a five-piece bundle in an aluminum finish.

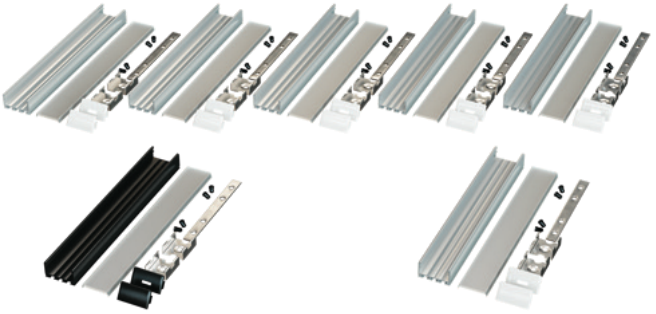


ALL BUNDLES INCLUDE:

- 2M Extrusion
- High Grade, Snap-In Diffusion Lens with UV Inhibitor
- End Caps
- Mounting Clips
- Pre-Drilled Countersunk Holes
- 180° Splicing Strip

GTX EXTRUSION

The GTX extrusion is a double wide version of the GT extrusion that is compatible with all Trulux tape light models, capable of side-by-side tape light installation for models 12mm wide or less. Available options include a single bundle in an aluminum finish, single bundle in a black finish, and a five-piece bundle in an aluminum finish.



ALL BUNDLES INCLUDE:

- 2M Extrusion
- High Grade Diffusion Lens with UV Inhibitor
- End Caps
- Mounting Clips
- Pre-Drilled Countersunk Holes
- 180° Splicing Strip

CAMBER EXTRUSION

A flexible extrusion that works with tape light models 12mm wide or less, the Bendable extrusion bends to create new and unique tape light mounting options. Available in single bundles in an aluminum finish.

ALL BUNDLES INCLUDE:

- 2M Extrusion
- High Grade Diffusion Lens with UV Inhibitor
- End Caps
- Mounting Clips
- Pre-Drilled Countersunk Holes
- 180° Splicing Strip

RECESSED MOUNT EXTRUSION BUNDLES

BEVEL28 EXTRUSION

A unique extrusion with a 28° interior bevel, the Bevel28 extrusion is designed for angled light in a direct-view, recessed extrusion. Available in single bundles in an aluminum finish.

ALL BUNDLES INCLUDE:

- 2M Extrusion
- High Grade Diffusion Lens with UV Inhibitor
- End Caps

REGAL REGRESS EXTRUSION

Designed for maximum illumination from a recessed extrusion, the Regal Regress extrusion's unique shape amplifies the illuminance of the Trulux tape light model installed inside it. Available in single bundles in an aluminum finish.

ALL BUNDLES INCLUDE:

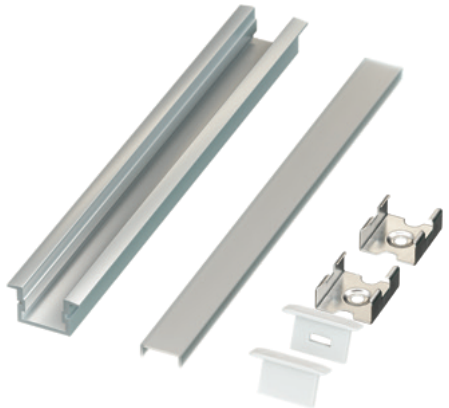
- 2M Extrusion
- High Grade Diffusion Lens with UV Inhibitor
- End Caps
- Stainless Steel Spring Mounting Clips
- Pre-Drilled Countersunk Holes
- 180° Splicing Strip

DOUBLE FLANGE EXTRUSION

A perfect recessed mounting option that gives a more traditional, recessed aesthetic in new construction or remodel applications. Available in single bundles in an aluminum finish.

ALL BUNDLES INCLUDE:

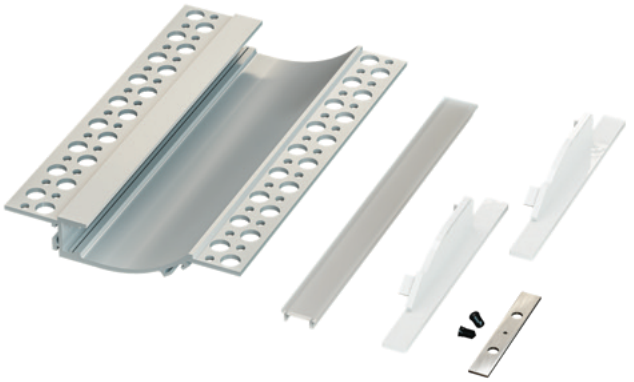
- 2M Extrusion
- High Grade Diffusion Lens with UV Inhibitor
- End Caps
- Mounting Clips
- Pre-Drilled Countersunk Holes



DRYWALL MOUNT EXTRUSION BUNDLES

WALL WASH EXTRUSION

One of the most unique extrusion designs available, the Scoop Wall Wash extrusion mounts directly into drywall and utilizes a scoop design for one-of-a-kind wall washing applications. Available in single bundles in an aluminum finish.

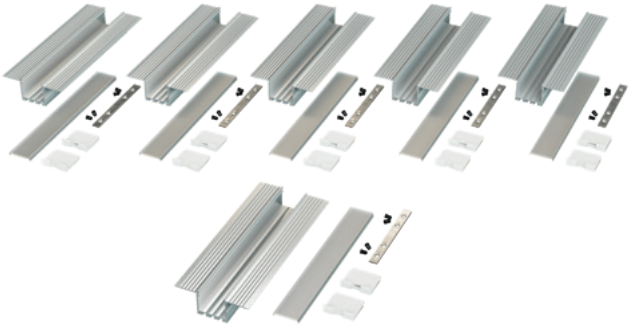


ALL BUNDLES INCLUDE:

- 2M Extrusion
- Smooth Interior With Holes For Drywall Mud-in
- High Grade Diffusion Lens with UV Inhibitor
- End Caps
- 180° Splicing Strip

INVISIBLE SLOT EXTRUSION

For seamless lines of light that blend directly into the wall, the Invisible Slot extrusion is one of the best choices. Available options include a single bundle in an aluminum finish and a five piece bundle in an aluminum finish.



ALL BUNDLES INCLUDE:

- 2M Extrusion
- High Grade Diffusion Lens with UV Inhibitor
- End Caps
- Mounting Clips
- Pre-Drilled Countersunk Holes
- 180° Splicing Strip

45° CORNER EXTRUSION BUNDLES

PRO 45 EXTRUSION

Built to fit perfectly in corners, the Pro 45 extrusion works for undercabinet task lighting as well as it works for eye-catching accent lighting. Available in single bundles in an aluminum finish.

ALL BUNDLES INCLUDE:

- 2M Extrusion
- High Grade Diffusion Lens with UV Inhibitor
- End Caps
- Mounting Clips
- 180° Splicing Strip

ECONOMY 45 EXTRUSION

An economic version of the Pro 45, the Economy 45 fits snuggly in wall corners, undercabinet lighting corners, and display case corners alike. Available in single bundles in an aluminum finish.

ALL BUNDLES INCLUDE:

- 2M Extrusion
- High Grade Diffusion Lens with UV Inhibitor
- End Caps
- 180° Splicing Strip

TRULUX™ TAPE LIGHT, EXTRUSION, & CONNECTOR COMPATIBILITY GUIDE

EXTRUSIONS

		10mm						12mm			13mm	
		PE-AA45	EE45-AAFR	PE-AA2	PE-AA1	PE-AA1DF	PE-HELM	PE-SSTANT	PE-3STANT	PE-PRO45	EE1-AAFR	PE-PAVER
TAPE LIGHT	10mm											
	HTL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	HTL20-COB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	HTLHD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	HTL-RGB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	HTL-TW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	HTL-TWR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	HTLWD-3018	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	STMR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SPTL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SPTLECO	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SPTL-TW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SPTLX	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	STL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	STLHD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	STLWD-3018	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	VTL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	COB TW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	10.05mm											
	HTL65	✗	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓
	HTL65-COB	✗	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓
	HTL65-TW	✗	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓
	SPTL65	✗	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓
	STL65	✗	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓
	12mm											
	HTL65-RGBW	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
	HTL-RGBW	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
	SPTL-RGBTW	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
	SPTL-RGBW	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
	COB RGBW	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓
CONNECTORS	14.6mm											
	2PWR	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓
	3PWR	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓
	4PWR	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓
	17mm											
	5PWR	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓
	6PWR	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓
	11mm											
	Trulink Block	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✓

✓ COMPATIBLE EXTRUSION

✗ INCOMPATIBLE EXTRUSION

FULL DIFFUSION

PARTIAL DIFFUSION

NO DIFFUSION

14mm		15.2mm		16mm	16.8mm	22mm		24mm				
PE-AA2DF	PE-DYAD	PE-RAD	PE-RUBIK	PE-GT	PE-TRACE	PE-TURBO2	PE-PRO30	PE-SLOT	PE-DFSLOT	PE-INVSLOT	PE-GTX	PE-VERGE
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
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AMERICAN LIGHTING

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