CUSTOM LIGHTING SOLUTIONS

Kitchens | Closets | Fixtures | Displays

LEHITECH

LumiLite System

The LumiLite System is our customizable, made-to-order LED linear lighting system. Send us your measurements and we will cut the light to the desired length, or give us a call and we will help design them according to your needs. You can even customize by frame color, LED color, LED brightness, wiring, leads, and new built-in switches. No need to spend time flipping through a catalog for random parts, we make ordering easy. Projects are shipped as a complete kit with all the components needed for a professional installation.

LumiLite LED lights are assembled using high quality LED modules fused to aluminum frames. The durable aluminum provides an efficient heat sink, and our metal mounting brackets keep it securely fastened for a permanent installation. They are fully dimmable, flicker free and guaranteed to last over 50,000 hours.

Specifications

Voltage	12V DC	24V DC
Modules	SMD 5050	SMD 3528
Power	5 watts per ft	4 watts per foot
Brightness	450 lumens per ft	360 lumens per ft
CRI	85	90
Operating Temp	80° - 110°	
Dimming	5% - 100%	
Wire Size	20/2 AWG	
Frame Material	Brushed aluminum	
Order Lead Time	5 business days (< $1000 order), 10 business days (> $1000 order)	
Lifetime	50,000 - 75,000 hours	
Rating	IP45. We can make it IP66 by request	
Certification	All components are UL Listed	
Warranty	5 years	
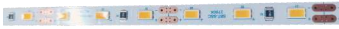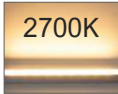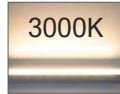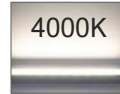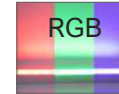
We make it simple to add lighting to a project

	Step 1	Customize your LumiLites to fit your needs. See next page for custom LumiLite options.
	Step 2	Choose how you want to power the project. See driver pages for available options.
	Step 3	Add additional components as needed (dimmer, wire). See our website for more information on accessories.
	Step 4	Place your order. We build, package and ship most projects in 5 days. All mounting hardware and butt connectors provided free of charge

LumiLite Ordering Guide

SB - | FR - FL - FC | - | VO - CT | - | WC - WL - WE - WX | - | SW |

Frame — FR - FL - FC
Module — VO - CT
Wiring Options — WC - WL - WE - WX
Switch — SW

FR	Frame Type	Choose from 9 frame types (surface & recess mount)
FL	Frame Length	LumiLites can be any length from 3 in - 78 in (Up to 1/8in increments)
FC	Frame Color	Choose from black, white, brown, bronze, tan ,or any of our custom frame color options.

VO	Voltage	12V 24V
CT	Color Temperature	2700K 3000K 4000K 5000K RGB

WC	Wire Color	Black (BL) White (WH) RGB (RGB)
WL	Wire Lead(s)	1 Wire Lead (HR) (Home Run) 2 Wire Leads (SE) (Series) Custom Link (LK) (Long Runs)
WE	Wire Ends	Bare Leads (BL) (Hardwire) Barrell Plug (BP) (Plug-In Drivers) Plug & Play (PP) (Plug & Play Drivers)
WX	Wire Length	Standard leads are 12 inches, but they can be made any length up to 20ft

SW	Built-In Switch	Optional add-on for the LumiLite. See built-in sensor switches page for more details.

Slim Frame

The Slim Frame is the most versatile profile of the LumiLite Lighting System. With an ultra thin 1/4" depth, it can be used in various applications where there is minimal space. The slim design allows for a wide spread of light, illuminating an entire counter with uniformity. The sleek, discreet light is a great option for under cabinets, inside cabinets, toe kick or any retrofit installation.

Benefits	Discreet 1/4" profile, wide beam angle
Applications	Under Cabinet, Toe Kick, Retrofit Installs
Mounting	Surface mount

Custom Options

FR	FL	FC	VO	CT	WC	WL	WE	WX	SW	Dimensions
SF Slim Frame	Light Length (Inches)	N/A (No Color) WH (White) BL (Black) BR (Bronze) TA (Tan) Or Custom	12V 24V	27 (2700) 30 (3000) 40 (4000) 50 (5000) RGB (RGB)	B (Black) W (White) RGB (RGB)	HR (Homerun) SE (Series) LK (Link)	BL (Bare) Wire BP (Barrel Plugs) PP (Plug & Play)	Standard 12" Or any length from 12in to 20ft	TS (Touch) DS (Door) MS (Motion) MC (Magnet)	.24in (6mm) .63in (16mm)

Ultra Frame

The Ultra Frame provides a spotless illumination, eliminating the dotted effect of LED modules. The unique frame design provides 1/2" separation between the LED modules and cover, giving it a uniform and focused spread of light. It can be used in various applications where there is a high gloss or reflective surface, such as under cabinets and display cases.

Benefits	Spotless illumination, focused light beam
Applications	Under Cabinet, Displays, Drawers, Closets
Mounting	Surface mount

Custom Options

FR	FL	FC	VO	CT	WC	WL	WE	WX	SW	Dimensions
UF Ultra Frame	Light Length (Inches)	N/A (No Color) WH (White) BL (Black) BR (Bronze) TA (Tan) Or Custom	12V 24V	27 (2700) 30 (3000) 40 (4000) 50 (5000) RGB (RGB)	B (Black) W (White) RGB (RGB)	HR (Homerun) SE (Series) LK (Link)	BL (Bare) Wire BP (Barrel Plugs) PP (Plug & Play)	Standard 12" Or any length from 12in to 20ft	NOT AVAILABLE	

Crescent Frame

Crescent corner mounted light has an arching diffused cover with a wide beam angle that covers a lot of surface. The unique design allows for inconspicuous installation in any 90 degree corner. Small angled shaped body of aluminum construction with a wide beam spread. A perfect selection for high-end store fixtures, inside cabinets and cove lighting

Benefits	Wide beam angle, discreet corner mount
Applications	Inside & Under Cabinet, Cove Lighting, Fixtures
Mounting	Surface/Corner mount

Custom Options

FR	FL	FC	VO	CT	WC	WL	WE	WX	SW	Dimensions
CF Crescent Frame	Light Length (Inches)	N/A (No Color) WH (White) BL (Black) BR (Bronze) TA (Tan) Or Custom	12V 24V	27 (2700) 30 (3000) 40 (4000) 50 (5000) RGB (RGB)	B (Black) W (White) RGB (RGB)	HR (Homerun) SE (Series) LK (Link)	BL (Bare) Wire BP (Barrel Plugs) PP (Plug & Play)	Standard 12" Or any length from 12in to 20ft	TS (Touch) DS (Door) MS (Motion) MC (Magnet)	.63in (16mm) .63in (16mm)

Pyramid Frame

Pyramid LED light frame tucks neatly into the inside corner of a cabinet or display case while the integrated shield hides the light from view. There is an abundant of illumination top-to-bottom, as well as side-to-side. The frame is robust durable exterior with a focused light spread. It is uniquely designed to reflect light within, creating a uniform spread of light.

Benefits	Direct focus beam, highly efficient heat sink
Applications	Display & Jewelry Cases, Commercial Shelves
Mounting	Surface/Corner mount

Custom Options

FR	FL	FC	VO	CT	WC	WL	WE	WX	SW	Dimensions
PF Pyramid Frame	Light Length (Inches)	N/A (No Color) WH (White) BL (Black) BR (Bronze) TA (Tan) Or Custom	12V 24V	27 (2700) 30 (3000) 40 (4000) 50 (5000) RGB (RGB)	B (Black) W (White) RGB (RGB)	HR (Homerun) SE (Series) LK (Link)	BL (Bare) Wire BP (Barrel Plugs) PP (Plug & Play)	Standard 12" Or any length from 12in to 20ft	TS (Touch) DS (Door) MS (Motion) MC (Magnet)	

Groove Frame

Router Bit for Handheld
(SB-GRB-1029)
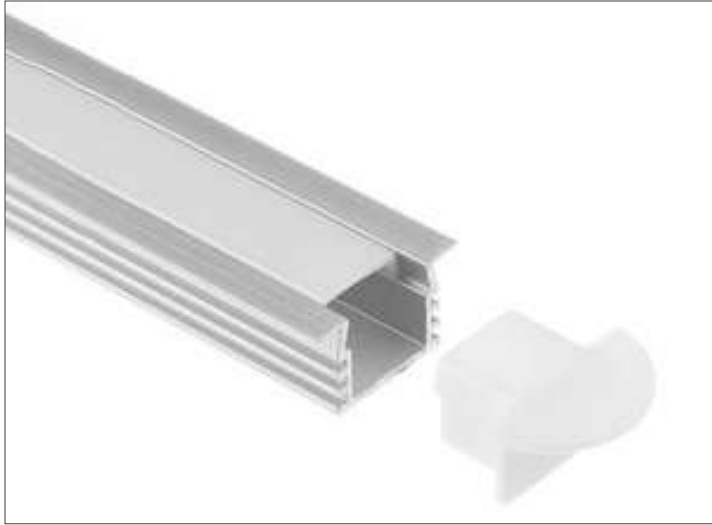

Router Bit for CNC
(SB-GRB-1075)

The Groove Frame is a slim recess mounted profile with a wide flange for easily routing into place. When using the recommended router bit, this frame is designed to fit snuggly into the channel without the need for brackets or tape. With a wide beam angle and just 1/4" recess channel, it is an ideal option for frameless shelves, POP displays, closets, and manufacturers that design lighting into cabinets and fixtures.

Benefits	Discreet profile, friction-fit recess mount
Applications	Closets, Frameless & Floating Shelves
Mounting	Recess into channel

Custom Options

FR	FL	FC	VO	CT	WC	WL	WE	WX	SW	Dimensions
GF Groove Frame	Light Length (Inches)	N/A (No Color) WH (White) BL (Black) BR (Bronze) TA (Tan) Or Custom	12V 24V	27 (2700) 30 (3000) 40 (4000) 50 (5000) RGB (RGB)	B (Black) W (White) RGB (RGB)	HR (Homerun) SE (Series) LK (Link)	BL (Bare) Wire BP (Barrel Plugs) PP (Plug & Play)	Standard 12" Or any length from 12in to 20ft	TS (Touch) DS (Door) MS (Motion) MC (Magnet)	.95in (24mm) .24in (6mm) .63in (16mm)

Deep Groove Frame

Router Bit for Handheld
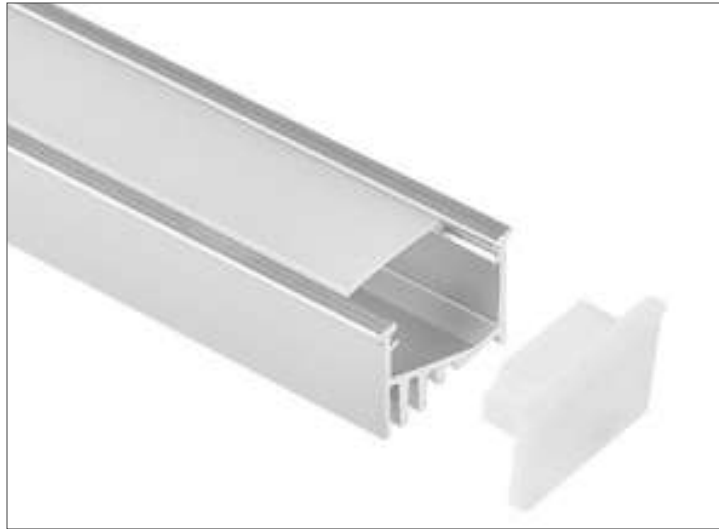(SB-GRB-1029)

Router Bit for CNC
(SB-GRB-1080)

The Deep Groove Frame is a versatile, recessed aluminum profile with a focused light beam. It's designed with space between the LED module and the diffused cover, creating spotless uniformity across the surface. Easily recesses into .75" minimum routed wood or stone channels. Great for frameless and floating shelves, custom cabinetry, displays or manufacturers that design lighting into projects.

Benefits	Spotless illumination, friction-fit recess mount
Applications	Millwork Cabinets, Closets, Puck Alternative
Mounting	Recess into channel

Custom Options

FR	FL	FC	VO	CT	WC	WL	WE	WX	SW	Dimensions
DF Deep Groove Frame	Light Length (Inches)	N/A (No Color) WH (White) BL (Black) BR (Bronze) TA (Tan) Or Custom	12V 24V	27 (2700) 30 (3000) 40 (4000) 50 (5000) RGB (RGB)	B (Black) W (White) RGB (RGB)	HR (Homerun) SE (Series) LK (Link)	BL (Bare) Wire BP (Barrel Plugs) PP (Plug & Play)	Standard 12" Or any length from 12in to 20ft	TS (Touch) DS (Door) MS (Motion) MC (Magnet)	.95in (24mm) .43in (11mm) .63in

Angled Groove Light

Router Bit for Handheld
(SB-GRB-1030)

Router Bit for CNC
(SB-GRB-1084)

The Angled Groove Frame is a optimal choice for accenting hard to reach areas with uniform brightness. The frame design provides a slight angle, which keeps light glare from the user's eyes and casts more light in the intended direction. It easily recesses into minimum .75" routed wood or stone channels and is a great for frameless and floating shelves, closets, displays or commercial applications.

Benefits	Spotless effect, shines away from user's eyes
Applications	Millwork Cabinets, Toe Kick, Closets
Mounting	Recess into channel

Custom Options

FR	FL	FC	VO	CT	WC	WL	WE	WX	SW	Dimensions
AF Angled Groove Frame	Light Length (Inches)	N/A (No Color) WH (White) BL (Black) BR (Bronze) TA (Tan) Or Custom	12V 24V	27 (2700) 30 (3000) 40 (4000) 50 (5000) RGB (RGB)	B (Black) W (White) RGB (RGB)	HR (Homerun) SE (Series) LK (Link)	BL (Bare) Wire BP (Barrel Plugs) PP (Plug & Play)	Standard 12" Or any length from 12in to 20ft	TS (Touch) DS (Door) MS (Motion) MC (Magnet)	

Closet Rod

Support Bracket
(SB-CL-CR-SB)

Mounting Bracket
(SB-CL-CR-MB)

The LED Closet Rod is a sleek, functional and sturdy LED fixture that makes the whole closet shine. Use it either as a standalone light or in addition to existing closet lighting. It is designed to be both a sturdy clothing rod and an attractive light source for closet and storage spaces. A great option for retro-fitting installations, residential closets, and hospitality closets.
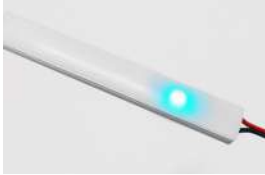
Benefits	Light up all the clothes inside a closet
Applications	Residential & Hospitality Closets
Mounting	Aluminum end caps, support needed over 24"

Custom Options

FR	FL	FC	VO	CT	WC	WL	WE	WX	SW	Dimensions
CR Closet Rod	Light Length (Inches)	N/A (No Color) WH (White) BL (Black) BR (Bronze) TA (Tan) Or Custom	12V 24V	27 (2700) 30 (3000) 40 (4000) 50 (5000) RGB (RGB)	B (Black) W (White) RGB (RGB)	HR (Homerun) SE (Series) LK (Link)	BL (Bare) Wire BP (Barrel Plugs) PP (Plug & Play)	Standard 12" Or any length from 12in to 20ft	TS (Touch) DS (Door) MS (Motion) MC (Magnet)	

Built-In Switches

Built-In switches are the newest addition to the Sunbound LumiLite System. You can now control lights with a simple switch that is custom built into our LED lights.

Choose a switch for every light, or control multiple lights in a series. Contact our team to learn how to design built-in switches into your next project..

Touch Sensor	(TS)
Detail	
Input Voltage	12V or 24V DC
Power	96W for 12V or 192W for 24V
Button Color	Blue LED
Features	Digital touch sensor to control LED lights
	On/Off switch & dimming with memory function
	For a single light or the first light in a series
Special Note	For use with any frame except Ultra Frame

Magnetic Contact	(MC)
Detail	
Input	12V or 24V DC
Power	36W for 12V or 72W for 24V
Box Dimension	1.5in x 1in x .6in
Features	Light turns off when magnetic contact approaches sensor
	Detection range of 1 inch
	For a single light or the first light in a series
Special Note	For use with any frame except Ultra Frame

Motion Sensor	(MS)
Detail	
Input Voltage	12V or 24V DC
Power	96W for 12V or 192W for 24V
Delay Time	40 seconds
Features	Light turns on when it senses motion
	Detection range of 7ft
	For a single light or the first light in a series
Special Note	For use with any frame except Ultra Frame

Door Sensor	(DS)
Detail	
Input Voltage	12V or 24V DC
Power	96W for 12V or 192W for 24V
Delay Time	1-2 seconds
Features	Light turns on when sensor is triggered
	Detection range of 4 inches
	For a single light or the first light in a series
Special Note	For use with any frame except Ultra Frame

Connectors

A complete selection of connectors to fit the needs of your project. Butt connectors are provided free for every project, and fit snug inside our Conceal Track.

We also have cuttable terminal strips, wire plug sets, and junction boxes available for a professional installation.

Butt Connectors	(SB-C-BC)
Detail	
Input	12V or 24V DC
Power	1200W for 12V or 2400W for 24V
Gauge	16AWG –18AWG
Color	Red
Features	Free with all projects
	Easy crimp connection
	Fits inside Conceal Track

Terminal Strips	(SB-C-TS)
Detail	
Input	12V or 24V DC
Power	120W for 12V or 240W for 24V
Gauge	14AWG –20AWG
Color	White (Opaque)
Features	Cuttable in field (12 terminals)
	Easy screw terminals
	Mounting screw option

Junction Box	(SB-C-JB-B/W)
Detail	
Input	12V or 24V DC
Power	60W for 12V or 120W for 24V
Gauge	14AWG –20AWG
Color	Black (B) or White (W)
Features	Provides clean finished look
	Mounting screw option
	Under 1/2" in depth, great for under cabinets

| Wire Plug Set	(SB-C-WP-B/W)
Detail	
Input	12V or 24V DC
Power	60W for 12V or 120W for 24V
Gauge	14AWG –20AWG
Color	Black (B) or White (W)
Features	Provides plug & play availability
	Easy screw terminals
	Simple to connect and disconnect plugs

Hardwire Drivers

Electronic hardwire drivers are compact and durable, capable of withstanding the toughest environments. The quite, flicker free design allows you to place them in virtually any location. Suitable for both indoor and outdoor use. These devices are an excellent choice for both residential and industrial applications. Requires direct connection to 120V, recommended for professional installers only.

Please Note:

- *12V DC and 24V DC option*
- *Requires LumiLite leads to be bare wire for connections*

Optional Controllers

120V Wall Dimmers	
Remotes & Controllers	
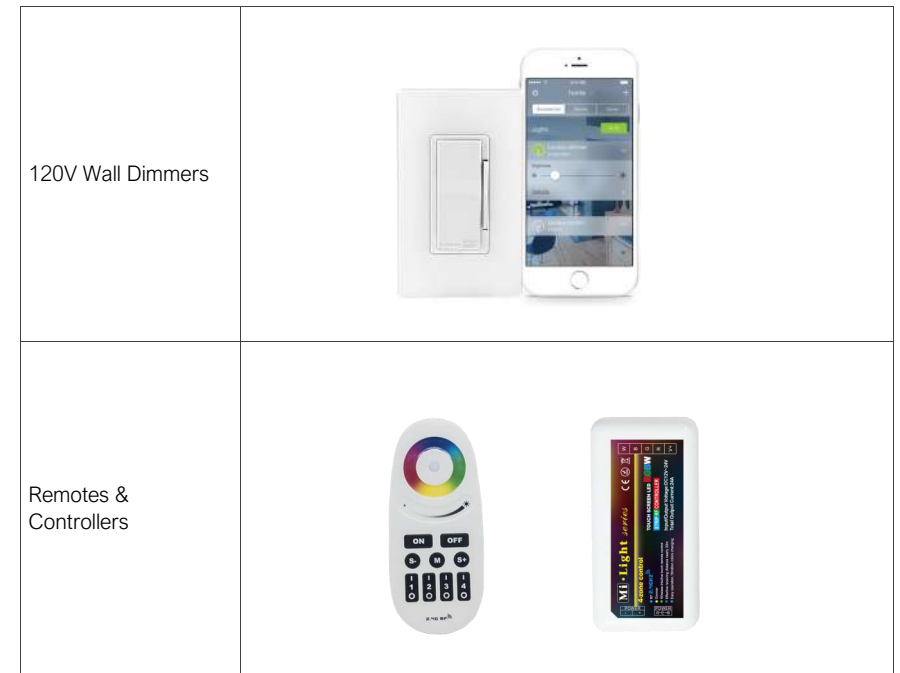
For more information on these options, please visit our website

Specifications

Driver	30W	60W	100W	200W	300W
Part #	SB-D-XX-EH-030	SB-D-XX-EH-060	SB-D-XX-EH-100	SB-D-XX-EH-200	SB-D-XX-EH-300
Input Voltage	AC 120V-240V	AC 120V-240V	AC 120V-240V	AC 120V-240V	AC 120V-240V
Output Voltage (XX)	DC 12V(12) or 24V (24)	DC 12V(12) or 24V (24)	DC 12V(12) or 24V (24)	DC 12V(12) or 24V (24)	DC 12V(12) or 24V (24)
Length	6.50"	7.40"	8.65"	10.23"	10.23"
Width	3.50"	3.50"	3.65"	4.05"	4.05"
Height	1.00"	1.00"	1.70"	1.75"	1.75"
Weight	2.10lbs	2.20lbs	2.65lbs	3.30lbs	3.30lbs
Max Load	30 watts	60 watts	100 watts	200 watts	300 watts
Connection	Hardwire directly to 120V AC				
Certification	UL Listed				
Warranty	5 years				

Plug & Play Drivers

Plug & Play drivers provide a simple option for manufacturers to incorporate lighting into cabinetry and fixtures. These drivers plug directly into a standard 12V wall outlet. Simply connect the Cat5 leads into the built-in ports and watch your project light up. The quiet, flicker free design allows you to place them in virtually any location. We provide optional distribution boxes, extension cables, and switch options to control your lighting system.

Please Note:

- *24V DC only*
- *Requires LumiLite leads to be CAT5 Cable for connections*

Optional Controllers

Touch Sensor	
Motion Sensor	
Door Sensor	

For more information on these options, please visit our website

Specifications

Driver	24W	36W	60W
Part #	SB-D-24-PP-024	SB-D-24-PP-036	SB-D-24-PP-060
Input Voltage	AC 120V-240V	AC 120V-240V	AC 120V-240V
Output Voltage (XX)	24V DC Only	24V DC Only	24V DC Only
Length	5.40"	7.40"	8.36"
Width	1.70"	2.15"	2.15"
Height	0.60"	0.70"	0.87"
Weight	2.10lbs	2.20lbs	2.65lbs
Max Load	24 watts	36 watts	60 watts
Connection	Plug directly into standard wall outlet		
Certification	UL Listed		
Warranty	5 years		

Plug In Drivers

Plug-In drivers are a great option for retrofit installations, plug-in displays and various projects where there is minimal access to hardwire direct 120V. Simply plug the driver into a standard 120V wall outlet and connect to the LED lights using Wire Plugs or Barrel Plug leads. All Plug-In drivers are UL Listed and provide a flicker-free effect.

Please Note:

- *12V DC only*
- *Requires LumiLite leads to be Barrel Plugs for connections, or use Wire Plug Connectors*

Optional Controllers

Inline Switches	
Push Button	
Remotes & Controllers	

For more information on these options, please visit our website

Specifications

Driver	24W	36W	60W
Part #	SB-D-12-EP-024	SB-D-12-EP-036	SB-D-12-EP-060
Input Voltage	AC 120V	AC 120V	AC 120V
Output Voltage (XX)	12V DC Only	12V DC Only	12V DC Only
Length	4.70"	4.80"	5.30"
Width	3.70"	3.70"	3.90"
Height	1.70"	1.60"	1.50"
Weight	7 oz	8 oz	12 oz
Max Load	24 watts	36 watts	60 watts
Connection	Plug directly into standard wall outlet		
Certification	UL Listed		
Warranty	5 years		

Accessories

Conceal Track
(SB-CT-XX-B/W)

5 ft Track
(SB-CT-05-B/W)

3 Way Connector
(SB-CT-3T-B/W)

90° Connector
(SB-CT-90-B/W)

End Cap
(SB-CT-EC-B/W)

Conceal Track is the perfect product to add a professional finish to your lighting projects. This rectangular PVC channel has a self-sticking adhesive backing, can be cut to any desired length, and are paintable to match your décor. Strips are 5ft in length and come with an array of connectors to make a completed professional look. Available in black or white.

OPEN TRACK

PUSH TO CLOSE
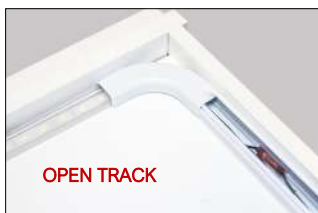
Installation Wire
(SB-W-18-XXX)

The 18AWG In-Wall rated wire is the best option for this low-voltage lighting configuration and is perfect for large or small remodels and upgrades. This UL Listed wire has a slim jacket of less than 1/8" and is a perfect replacement for thick, bulky 14 AWG. Excellent resistance to moisture, easy to rough-in and connect with our complimentary butt connectors.

XXX: Available in lengths of 100 ft (100), 250 ft (200) and 500 ft (500).

Extension Wire
(SB-W-20-B/W-XXX)

Extensions are made simple with our system. Purchase a roll of our 20 AWG (available in black or white) and make custom extensions on the job site. Cut the wire to your desired length and connect using any of our connectors. Customization in the field eliminates any extra wire, giving your project a more professional touch.

XXX: Available in lengths of 25 ft (025), 50 ft (050) and 100 ft (100).

Kitchen, Bath and Closet Lighting

info@lehitech.com
www.lehitech.com