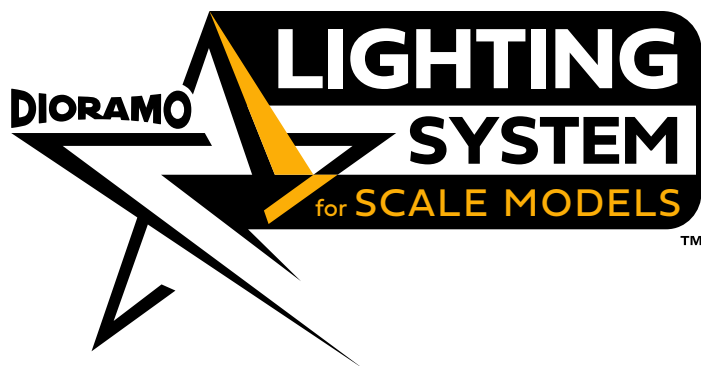




EASY-PEASY

Plug & Play Lighting System

Designed for Scale Models, Dioramas, Model Train Layouts, Architectural Displays, Miniatures, Diecast, RC, Dollhouses, Costumes, DIY Projects, and more!

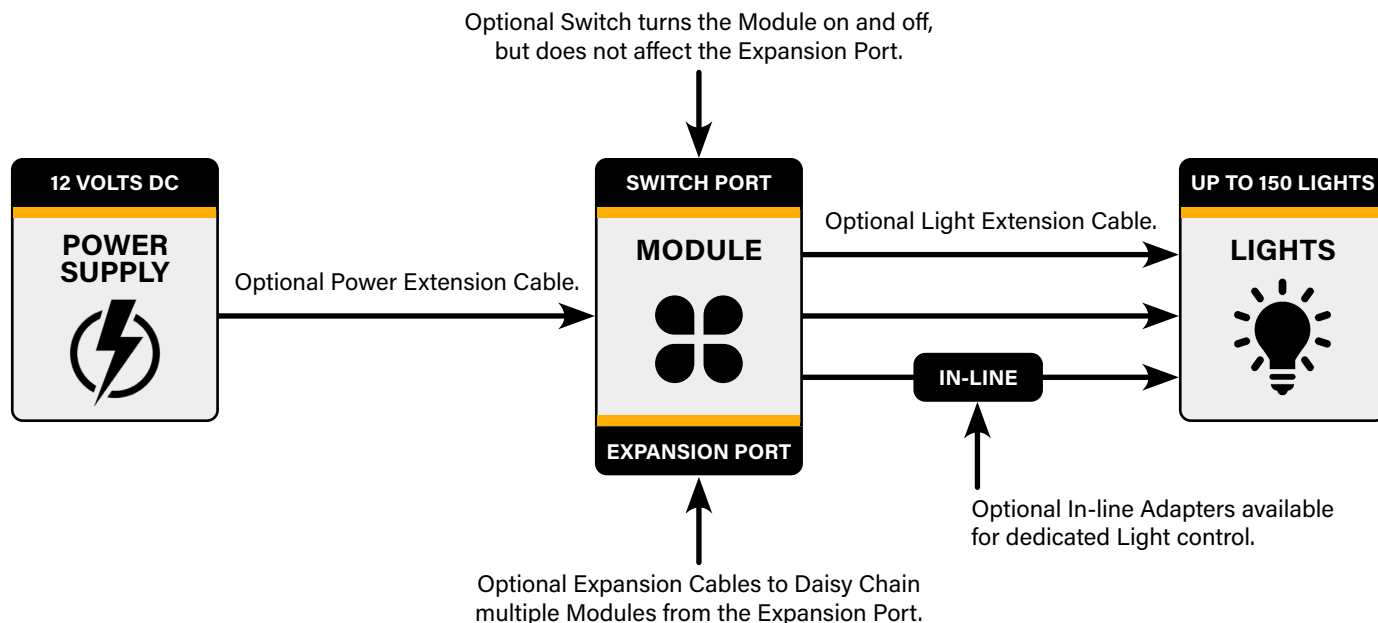
Expandable 12 Volts DC Modular System with Hundreds of Compatible Light, Power, Cable, and Controlling options.

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SYSTEM FLOWCHART

Straightforward System with a Fail-Safe Design using standardized industry components.



Craft your Miniature Magic



NO SOLDERING,

or figuring out electrical connection requirements for different lights.

Simply mix, match, and connect compatible parts to fit your needs.

A Fail-Safe design eliminates accidentally connecting parts the wrong way.

GROW WITH US

If your model setup keeps expanding, it is easy to adapt the Lighting System alongside your project as needed.

SOLID FOUNDATION

Modules are generously designed for a maximum 3000mA of current flow, allowing you to safely plug in up to **150 Lights** to a daisy-chain of connected devices!

If you need even more lights, you can effortlessly add additional modules to your system.

SAFETY FIRST

Dioramo Lighting System runs cool, at a safe 12 Volts DC. Our power supplies are UL listed, and custom-made using high quality electronic components.



STARTER SET Includes:

• 12V Power Supply	# 40103
• Powered Light Hub	# 20101
• Push Button ON-OFF Switch	# 30161
• Sticky Light Mini - Golden-White (2 pcs)	# 10019
• Sticky Light - Warm-White (2 pcs)	# 10100
• 5mm DIP LED - Cool-White (2 pcs)	# 15262

Model making product. This is not a toy!
Not suitable for children under 14 years.

SETS

Starter and PRO Sets are available at a discount + free shipping, making it easy to begin growing your Lighting System!



Architectural Model Lighting

has never been this easy.



LIGHTING
SYSTEM



POWER SUPPLIES

Providing Electricity to Dioramo Lighting System Modules



Dioramo #	Power Supplies	Price
#40103	12V 3000mA Plug-in Power Supply. 100-240V AC In to DC Barrel Plug Out.	\$18.43
#40201	12V 8-Cell AA Battery Holder with Switch to 5.5x2.1mm Male Barrel Plug.	\$4.93
#40209	9V Battery Holder with Switch to 5.5x2.1mm Male Barrel Plug.	\$2.78

* Prices are subject to change. Confirm current pricing on Dioramo.com



Dioramo.com



MODULES Central Hubs and Controllers to Plug Lights into



Dibs on the Hub
Power Distribution module with 10 Output Ports + Expansion Port.



Buttery-Smooth Dimmer
Stable, full-range Light Dimming all the way down to 0%.



Inky-Blinky on the Flippity-Flop
Adjustable Speed. 1-Channel Blinking, or 2-Channel Flip-Flop Flashing.

Dioramo #	Modules	Price
# 20101	Hub for Dioramo Lighting System including JST-XH Connector Unplug Tool.	\$12.39
# 20102	Dimmer for Dioramo Lighting System including JST-XH Connector Unplug Tool.	\$17.49
# 20103	Blinker / Flip-Flop Flasher for Dioramo Lighting System including JST-XH Connector Unplug Tool.	\$17.49

New items in development and will soon be available on Dioramo.com

* Prices are subject to change. Confirm current pricing on Dioramo.com



SET THE MOOD

with our variety of white light
color temperatures

Cool
White

Pure
White

Natural
White

Warm
White

Golden
White

DIORAMO
SCALE MODELING

**LIGHTING
SYSTEM**

POWER CABLES

To Increase Power Plugs from one to more, or extend the reach of a Power Plug



Dioramo #	Power Splitter Adapters and Extension Cables	Price
# 30142	1 to 2 Power Splitter Adapter Cable for Dioramo Lighting System.	\$3.63
# 30143	1 to 3 Power Splitter Adapter Cable for Dioramo Lighting System.	\$4.73
# 30144	1 to 4 Power Splitter Adapter Cable for Dioramo Lighting System.	\$5.73
# 30145	1 to 5 Power Splitter Adapter Cable for Dioramo Lighting System.	\$6.83
# 30123	3ft. Power Extension Cable for Dioramo Lighting System.	\$3.87
# 30126	6ft. Power Extension Cable for Dioramo Lighting System.	\$5.31
# 30122	12ft. Power Extension Cable for Dioramo Lighting System.	\$6.96

* Prices are subject to change. Confirm current pricing on Dioramo.com



EXPANSION CABLES

To Connect and Share Power (Daisy-Chain) from one Module to another



Dioramo #	Expansion Cables	Price
# 30134	4.5-inch Expansion Cable for Dioramo Lighting System.	\$2.43
# 30139	9-inch Expansion Cable for Dioramo Lighting System.	\$2.67
# 30131	18-inch Expansion Cable for Dioramo Lighting System.	\$3.15
# 30133	3ft. Expansion Cable for Dioramo Lighting System.	\$3.75
# 30136	6ft. Expansion Cable for Dioramo Lighting System.	\$5.19
# 30132	12ft. Expansion Cable for Dioramo Lighting System.	\$6.57

* Prices are subject to change. Confirm current pricing on Dioramo.com

IN-LINE ADAPTERS

For Localized Control in between a Module and a Light



In-line 1-4 Light Splitter

One to four lights on the Lickety-Split.

In-line Switch Adapter

In line for the Ol' Switcheroo.

Dioramo #	In-line Adapters	Price
# 20201	1-4 Light Splitter for Dioramo Lighting System. Increases one Light output port to four.	\$5.78
# 20301	In-line Switch Adapter for Dioramo Lighting System. Compatible with any Ligthing System Switch.	\$5.78

* Prices are subject to change. Confirm current pricing on Dioramo.com



25% Light Brightness
In-line Light Dimming Adapter



50% Light Brightness
In-line Light Dimming Adapter



75% Light Brightness
In-line Light Dimming Adapter

Dioramo #	In-line Adapters	Price
# 20401	25% Light Brightness. Dioramo Lighting System In-line Dimming Adapter.	\$4.97
# 20402	50% Light Brightness. Dioramo Lighting System In-line Dimming Adapter.	\$4.97
# 20403	75% Light Brightness. Dioramo Lighting System In-line Dimming Adapter.	\$4.97

* Prices are subject to change. Confirm current pricing on Dioramo.com



SWITCHES

To Manually Switch Modules (and the Lights Plugged into them) ON and OFF



Dioramo #	Switches	Price
# 30161	Switch ON-OFF Black Latching Push Button Prewired for Lighting System.	\$3.98
# 30162	Switch ON-OFF White Latching Push Button Prewired for Lighting System.	\$3.98
# 30163	Switch ON-OFF Red Latching Push Button Prewired for Lighting System.	\$3.98
# 30164	Switch ON-OFF Green Latching Push Button Prewired for Lighting System.	\$3.98
# 30165	Switch ON-OFF Blue Latching Push Button Prewired for Lighting System.	\$3.98
# 30166	Switch ON-OFF Yellow Latching Push Button Prewired for Lighting System.	\$3.98
# 30150	Switch ON-OFF Mini Toggle Prewired for Lighting System.	\$5.98
# 30151	Switch ON-OFF Mini Toggle Prewired with Power Light Port for Lighting System.	\$5.98
# 30162	Switch ON-OFF Heavy Duty Black Push Button Prewired with Power Light Port for Lighting System.	\$5.98
# 30102	JST-XH3 Switch Jumper for Dioramo Lighting System. 2 pcs. (1 piece included with every module)	\$2.33

* Prices are subject to change. Confirm current pricing on Dioramo.com

SWITCH HUB

To Switch Multiple Modules ON and OFF together, using a Single Switch



- Used to Switch Multiple Modules from one or separate systems ON-OFF together, using a Single Switch.
- Requires Switch Cables to connect to your Modules, and one Dioramo Lighting System Compatible Switch to operate.
- Includes a Power Light Port, compatible with any Dioramo Lighting System Light.
- Can be Daisy-Chain'd to extra Switch Hubs when additional ports are needed.

Dioramo #	Power Supplies	Price
# 20302	Switch Hub for Dioramo Lighting System. 9 Switch Ports plus a Power Light Port.	\$10.73

* Prices are subject to change. Confirm current pricing on Dioramo.com

SWITCH CABLES

To Connect Modules to a Switch Hub, or to Daisy-Chain Switch Hubs



Dioramo #	Switch Cables	Price
# 30174	4.5-inch Switch Cable for Dioramo Lighting System.	\$2.47
# 30179	9-inch Switch Cable for Dioramo Lighting System.	\$2.67
# 30171	18-inch Switch Cable for Dioramo Lighting System.	\$3.17
# 30173	3-foot Switch Cable for Dioramo Lighting System.	\$3.33
# 30176	6-foot Switch Cable for Dioramo Lighting System.	\$4.05
# 30172	12-foot Switch Cable for Dioramo Lighting System.	\$5.75

* Prices are subject to change. Confirm current pricing on Dioramo.com

SWITCH EXTENSIONS

To Extend the reach of Switches or length of Switch Cables



Dioramo #	Switch Extension Cables	Price
# 30113	3-foot Switch Extension Cable for Dioramo Lighting System.	\$3.33
# 30116	6-foot Switch Extension Cable for Dioramo Lighting System.	\$4.05
# 30112	12-foot Switch Extension Cable for Dioramo Lighting System.	\$5.75

* Prices are subject to change. Confirm current pricing on Dioramo.com

MICRO LIGHTS

Shining Bright in Small Spaces



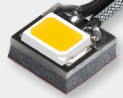
LIGHTS

Light Size Comparison.

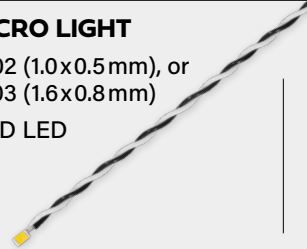
STICKY LIGHT
8x8mm Pad



STICKY LIGHT
mini
5x5mm Pad



MICRO LIGHT
0402 (1.0x0.5 mm), or
0603 (1.6x0.8 mm)
SMD LED



DIP LED LIGHT
Various shapes and
sizes.
1.8 mm to 10 mm



* 5 mm shown.

LIGHT COLORS

Full Spectrum of Light Colors available.



White
(Golden)

White
(Warm)

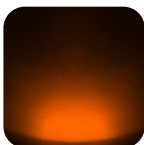
White
(Natural)

White
(Pure)

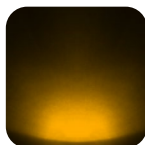
White
(Cool)



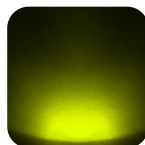
Red



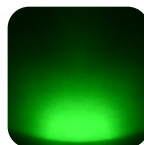
Orange



Yellow



Yellow-Green
(Chartreuse)



Green



Ice-Blue



Blue



Ultraviolet
(UV 395nm)



Pink-Purple



Pink



THE CLASSIC QUALITY

STICKY LIGHT

- Easy Peel-and-Stick Installation.
- Accessible 8x8mm Pad Size.
- Features the Popular 5050 SMD LED.
- Available in a Full Spectrum of Light Colors.
- Robust Quality with a Reinforced Soldered Wire Connection.
- Wired with a generous 3 feet of our Premium Ultra-Flexible 28 AWG Soft Silicone Wire (#32021), allowing for friendly cable management.
- Includes an Authentic 3M VHB Double-Sided Adhesive Pad with a Pull Tab
- Beware of the cheap imitations, where the stick doesn't last.
- Our Sticky Pad offers a secure attachment to any clean surface, yet comes off clean if needed.

Replacement pads are also available on Dioramo.com as #55209.



Model making product. This is not a toy! Not suitable for children under 14 years.

Dioramo #	Sticky Lights	Price
#10102	Sticky Light Cool-White. Prewired for Lighting System. 2 pcs.	\$9.74
#10118	Sticky Light Pure-White. Prewired for Lighting System. 2 pcs.	\$9.74
#10101	Sticky Light Natural-White. Prewired for Lighting System. 2 pcs.	\$9.74
#10100	Sticky Light Warm-White. Prewired for Lighting System. 2 pcs.	\$9.74
#10119	Sticky Light Golden-White. Prewired for Lighting System. 2 pcs.	\$9.74
#10106	Sticky Light Yellow. Prewired for Lighting System. 2 pcs.	\$9.74
#10107	Sticky Light Orange. Prewired for Lighting System. 2 pcs.	\$9.74
#10103	Sticky Light Red. Prewired for Lighting System. 2 pcs.	\$9.74
#10109	Sticky Light Pink. Prewired for Lighting System. 2 pcs.	\$9.74
#10117	Sticky Light Ultraviolet. Prewired for Lighting System. 2 pcs.	\$9.74
#10105	Sticky Light Blue. Prewired for Lighting System. 2 pcs.	\$9.74
#10112	Sticky Light Ice-Blue. Prewired for Lighting System. 2 pcs.	\$9.74
#10108	Sticky Light Yellow-Green. Prewired for Lighting System. 2 pcs.	\$9.74
#10104	Sticky Light Green. Prewired for Lighting System. 2 pcs.	\$9.74

* Prices are subject to change. Confirm current pricing on Dioramo.com

THE MODEL BUILDERS' FAVORITE

STICKY LIGHT mini

- The Light of Choice for many Scale Model Builders.
- Small and Effective 5x5mm Pad Size.
- **Sticky Light Mini hits the sweet spot:**
 - The Smallest Adhesive Backed Light available.
 - Easy Peel-and-Stick Installation.
 - Fits in Smaller, more Discreet spaces.
- Available in a Full Spectrum of Light Colors.
- Wired with a generous 3 feet of our Premium Ultra-Flexible 30 AWG Soft Silicone Wire (#32001), allowing for friendly cable management.
- Includes an Authentic 3M VHB Double-Sided Adhesive Pad with a Pull Tab. Beware of the cheap imitations, where the stick doesn't last. Our Sticky Pad offers a secure attachment to any clean surface, yet comes off clean if needed.

Replacement pads are available on Dioramo.com as #55206.



Model making product. This is not a toy!
Not suitable for children under 14 years.

Dioramo #	Sticky Light Minis	Price
#10002	Sticky Light Mini Cool-White. Prewired for Lighting System. 2 pcs.	\$8.43
#10018	Sticky Light Mini Pure-White. Prewired for Lighting System. 2 pcs.	\$8.43
#10001	Sticky Light Mini Natural-White. Prewired for Lighting System. 2 pcs.	\$8.43
#10000	Sticky Light Mini Warm-White. Prewired for Lighting System. 2 pcs.	\$8.43
#10019	Sticky Light Mini Golden-White. Prewired for Lighting System. 2 pcs.	\$8.43
#10006	Sticky Light Mini Yellow. Prewired for Lighting System. 2 pcs.	\$8.43
#10007	Sticky Light Mini Orange. Prewired for Lighting System. 2 pcs.	\$8.43
#10003	Sticky Light Mini Red. Prewired for Lighting System. 2 pcs.	\$8.43
#10009	Sticky Light Mini Pink. Prewired for Lighting System. 2 pcs.	\$8.43
#10017	Sticky Light Mini Ultraviolet. Prewired for Lighting System. 2 pcs.	\$8.43
#10005	Sticky Light Mini Blue. Prewired for Lighting System. 2 pcs.	\$8.43
#10012	Sticky Light Mini Ice-Blue. Prewired for Lighting System. 2 pcs.	\$8.43
#10008	Sticky Light Mini Yellow-Green. Prewired for Lighting System. 2 pcs.	\$8.43
#10004	Sticky Light Mini Green. Prewired for Lighting System. 2 pcs.	\$8.43

* Prices are subject to change. Confirm current pricing on Dioramo.com

THE SMALLEST OF THEM ALL

MICRO LIGHT

- Micro Lights are very small, delicate Lights.
- Features the tiny 0402 or 0603 SMD LED.
- Measures only 1mm long by 0.5mm wide (0402) or, 1.6mm long by 0.5mm wide (0603), making it unnoticeable to most when the Light is turned off.
- Shines Bright in Small Spaces.
- Available in a Full Spectrum of Light Colors.
- 0402 and 0603 SMD Chip LEDs are extremely challenging to solder, making these Prewired versions a possibility for many.
- Beware of cheap imitations using thicker solid core wiring, which is not optimal for miniatures, small models, and other precision installations.
- Our Micro Lights are Prewired with 1 foot of Fine 36 AWG Stranded "Micro Litz" Teflon FEP Wire, followed by an additional 3 feet of our Premium Ultra-Flexible 30 AWG Soft Silicone Wire (#32001), allowing for friendly and discreet cable management.



Dioramo #	Micro Lights	Price
# 10262	Micro Light Cool-White. 0402 LED Prewired for Lighting System. 2 pcs.	\$11.73
# 10260	Micro Light Warm-White. 0402 LED Prewired for Lighting System. 2 pcs. (Slight Magenta Tint)	\$11.73
# 10360	Micro Light Warm-White. 0603 LED Prewired for Lighting System. 2 pcs. (Traditional Greener Tint)	\$11.73
# 10262	Micro Light Yellow. 0402 LED Prewired for Lighting System. 2 pcs.	\$11.73
# 10267	Micro Light Orange. 0402 LED Prewired for Lighting System. 2 pcs.	\$11.73
# 10263	Micro Light Red. 0402 LED Prewired for Lighting System. 2 pcs.	\$11.73
# 10269	Micro Light Pink. 0402 LED Prewired for Lighting System. 2 pcs.	\$11.73
# 10277	Micro Light Ultraviolet. 0402 LED Prewired for Lighting System. 2 pcs.	\$11.73
# 10265	Micro Light Blue. 0402 LED Prewired for Lighting System. 2 pcs.	\$11.73
# 10272	Micro Light Ice-Blue. 0402 LED Prewired for Lighting System. 2 pcs.	\$11.73
# 10268	Micro Light Yellow-Green. 0402 LED Prewired for Lighting System. 2 pcs.	\$11.73
# 10264	Micro Light Green. 0402 LED Prewired for Lighting System. 2 pcs.	\$11.73

* Prices are subject to change. Confirm current pricing on Dioramo.com

THE VENERABLE

DIP LED LIGHT

- The Cornerstone of Scale Model Lighting for many years.
- Reputable, Robust, and Cost-effective.
- Available in a Variety of Shapes and Sizes from 1.8mm to 10mm.
- Available in a Full Spectrum of Light Colors.
- Check out our Collection of LED Mounting Holders for DIP LEDs on [Dioramo.com](https://www.dioramo.com) for options to secure these Lights into surfaces.



Dioramo #	5mm DIP LED Lights	Price
# 15162	5mm Cool-White LED. Clear Lens. Lighting System Prewired. 2 pcs.	\$7.73
# 15160	5mm Warm-White LED. Clear Lens. Lighting System Prewired. 2 pcs.	\$7.73
# 15166	5mm Yellow LED. Clear Lens. Lighting System Prewired. 2 pcs.	\$7.73
# 15167	5mm Orange LED. Clear Lens. Lighting System Prewired. 2 pcs.	\$7.73
# 15163	5mm Red LED. Clear Lens. Lighting System Prewired. 2 pcs.	\$7.73
# 15169	5mm Pink LED. Clear Lens. Lighting System Prewired. 2 pcs.	\$7.73
# 15177	5mm Ultraviolet LED. Clear Lens. Lighting System Prewired. 2 pcs.	\$7.73
# 15165	5mm Blue LED. Clear Lens. Lighting System Prewired. 2 pcs.	\$7.73
# 15168	5mm Yellow-Green LED. Clear Lens. Lighting System Prewired. 2 pcs.	\$7.73
# 15164	5mm Green LED. Clear Lens. Lighting System Prewired. 2 pcs.	\$7.73
# 15262	5mm Cool-White LED. Diffused White Lens. Lighting System Prewired. 2 pcs.	\$7.73
# 15260	5mm Warm-White LED. Diffused White Lens. Lighting System Prewired. 2 pcs.	\$7.73
# 15266	5mm Yellow LED. Diffused White Lens. Lighting System Prewired. 2 pcs.	\$7.73
# 15263	5mm Red LED. Diffused White Lens. Lighting System Prewired. 2 pcs.	\$7.73
# 15269	5mm Blue LED. Diffused White Lens. Lighting System Prewired. 2 pcs.	\$7.73
# 15265	5mm Blue LED. Diffused White Lens. Lighting System Prewired. 2 pcs.	\$7.73
# 15268	5mm Yellow-Green LED. Diffused White Lens. Lighting System Prewired. 2 pcs.	\$7.73
# 15264	5mm Green LED. Diffused White Lens. Lighting System Prewired. 2 pcs.	\$7.73

New items in development and will soon be available on [Dioramo.com](https://www.dioramo.com)* Prices are subject to change. Confirm current pricing on [Dioramo.com](https://www.dioramo.com)



Dioramo.com

**Tiny Lights
BIG IMPACT**

LIGHT EXTENSIONS To Extend Lights to reach further away from a Module

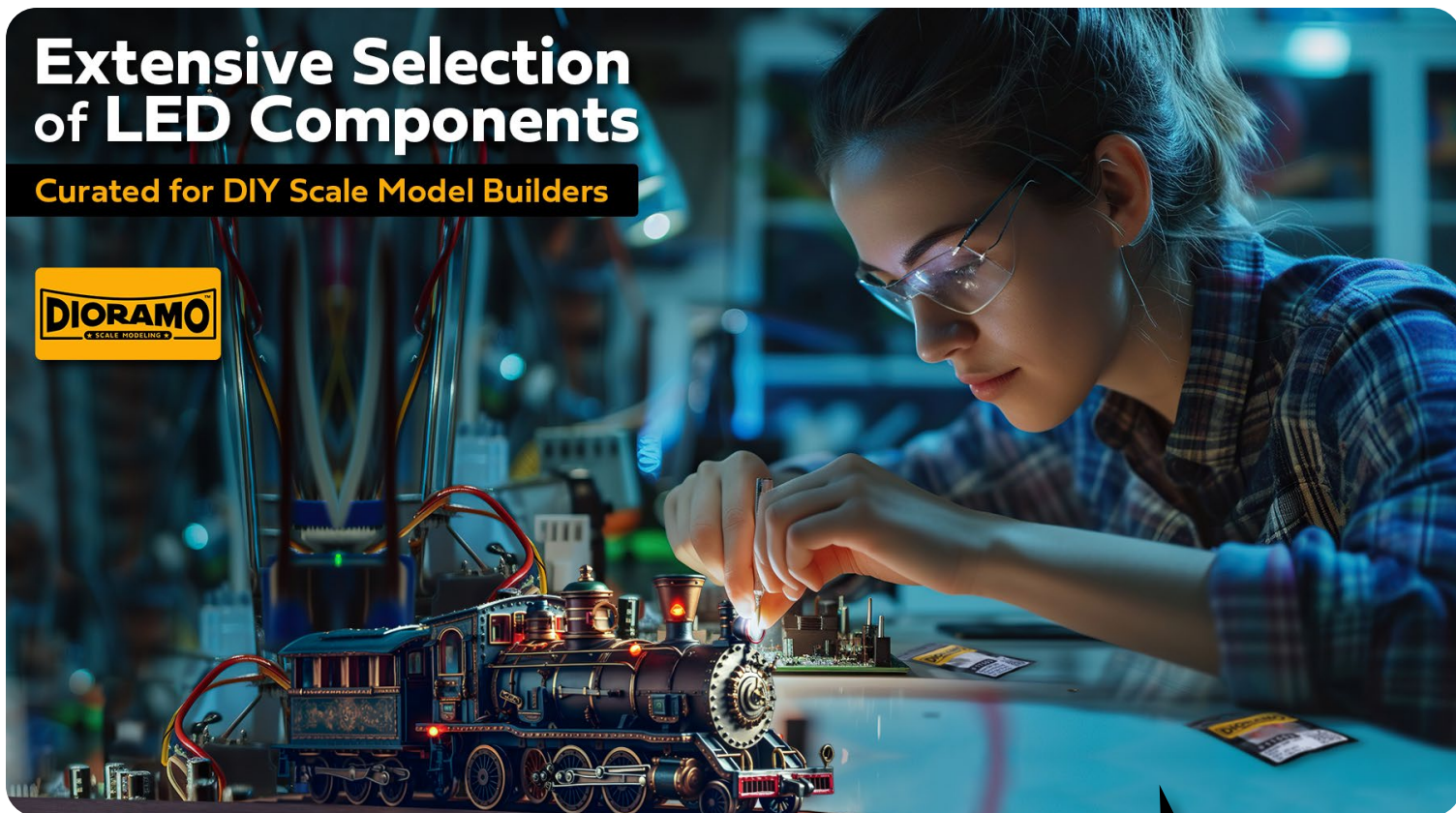


Dioramo #	Light Extension Cables	Price
# 30103	3-foot Light Extension Cable for Dioramo Lighting System, 2 pieces.	\$3.66
# 30106	6-foot Light Extension Cable for Dioramo Lighting System.	\$3.08
# 30102	12-foot Light Extension Cable for Dioramo Lighting System.	\$4.21

* Prices are subject to change. Confirm current pricing on Dioramo.com

Extensive Selection of LED Components

Curated for DIY Scale Model Builders



OPEN SYSTEM

You can do your own thing too

Embracing DIY Maker Culture

Even though the Dioramo Lighting System is designed for anybody to light up their miniature universe in seconds by easily connecting premade components;

We're also makers and tinkerers at heart.

Customizing is a fundamental part of our hobby. The Dioramo Lighting System has a straightforward fail-safe design, using standardized parts, yet is also open to customization (at your own risk of course).

We share the technical specifications of each Lighting System compatible product, and also provide a growing selection of **DIY Adapters, Modules, Power and Light Cables**, allowing you to adapt your existing or custom setup to coincide with ours.



DIY COMPONENTS

Parts to build your custom setup

Dioramo.com has a continuously growing collection of DIY components available, including:

LED's, Wiring, Resistors, Connectors, Switches, Heat Shrink Tubing, Tools, Hardware and more.

Products are in stock, ready to source for your building project.



DIY CABLES

To connect your own Custom Lighting to the Dioramo Lighting System



Dioramo #	DIY Power and Light Cables	Price
#30195	9-inch DIY Power Cable for Dioramo Lighting System. 2 pcs.	\$2.97
#30191	1ft. DIY Light Cable for Dioramo Lighting System. 5 pcs.	\$2.52
#30192	2ft. DIY Light Cable for Dioramo Lighting System. 5 pcs.	\$2.76

* Prices are subject to change. Confirm current pricing on Dioramo.com

DIY ADAPTERS

To easily connect your own 2 or 3 Volt LED Lights without Resistors to the Lighting System

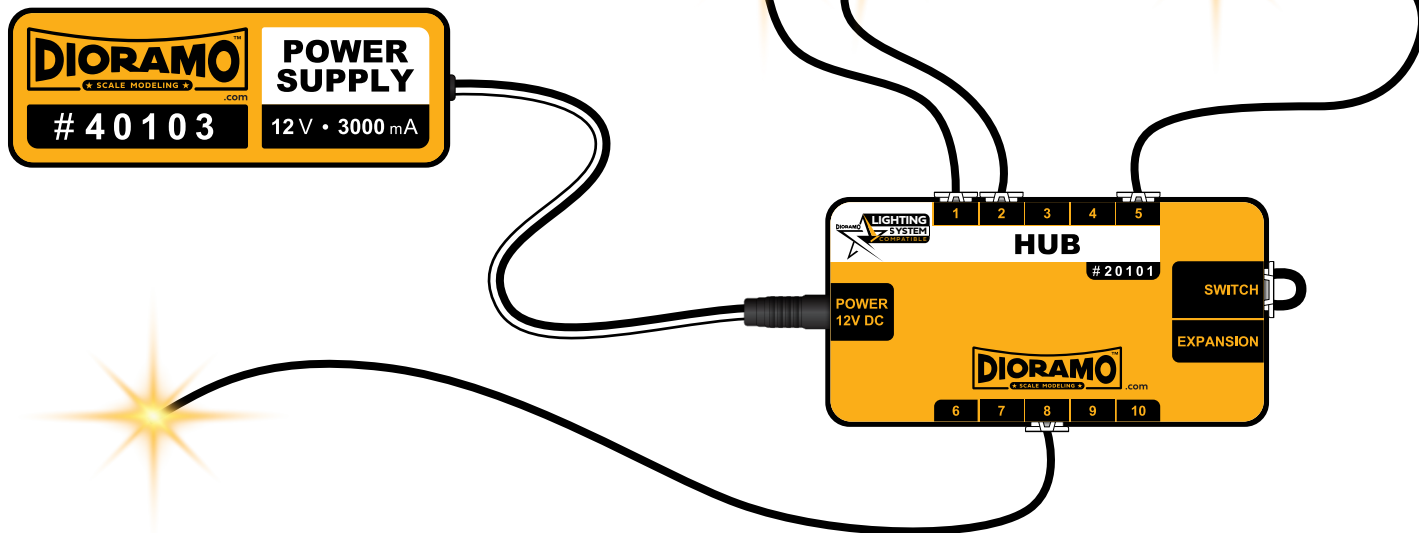


Dioramo #	DIY Adapters	Price
#28091	DIY 3V LED Light Adapter with Push Spring Connectors for Lighting System	\$5.78
#28092	DIY 3V LED Light Adapter with JST-XH Connector for Lighting System	\$5.78

* Prices are subject to change. Confirm current pricing on Dioramo.com

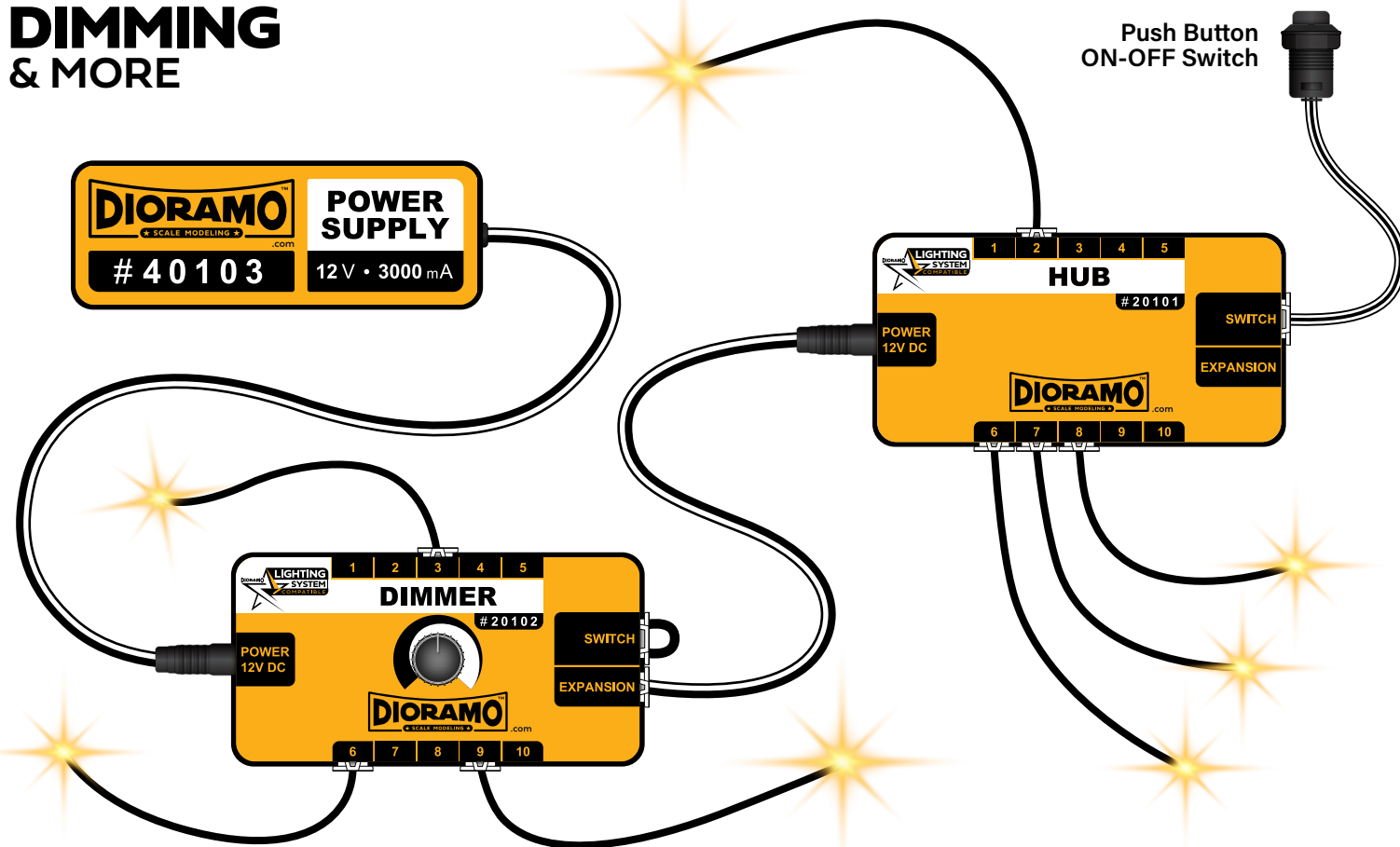
SAMPLE SETUP

BASIC



SAMPLE SETUP

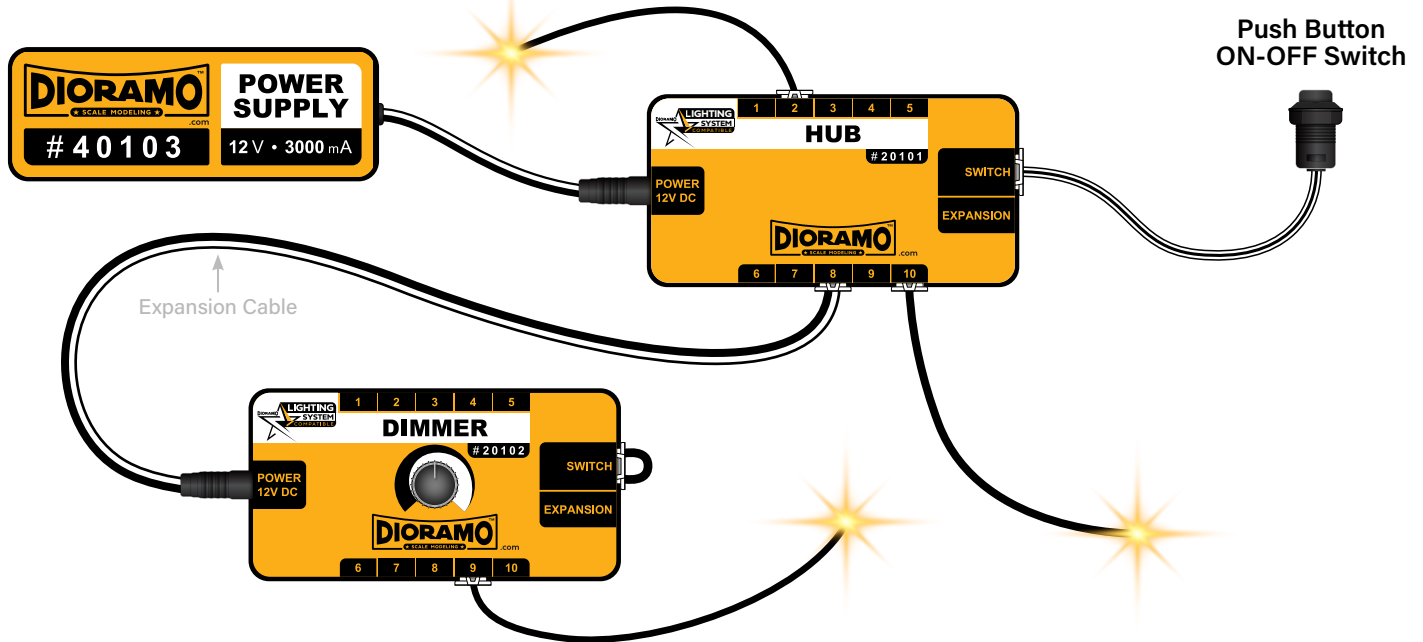
DIMMING & MORE



SAMPLE SETUP

Connect an Expansion Cable to a Light Port instead, allowing for the second Module to be Switched ON-OFF in conjunction by a single Switch on the first Module.

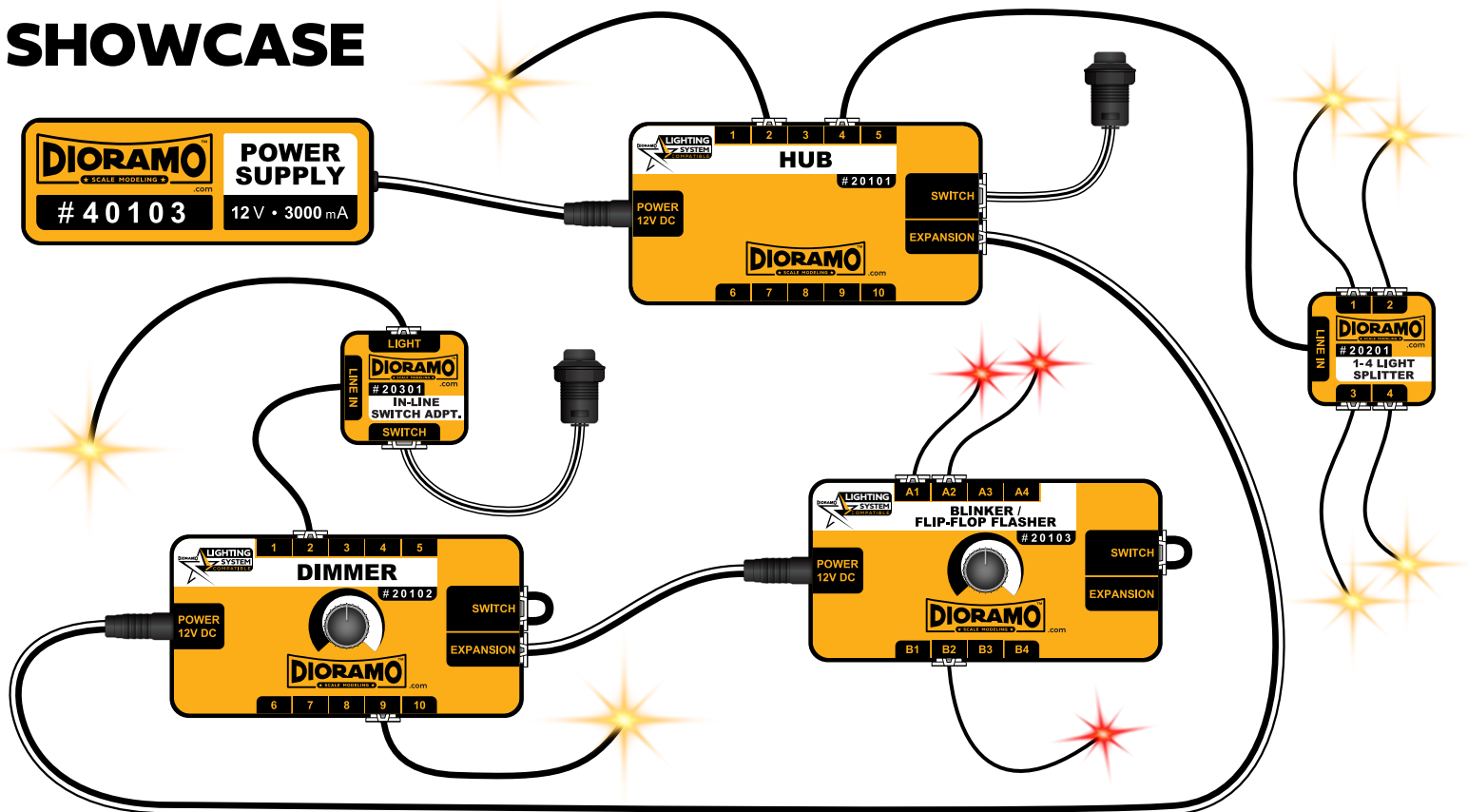
SWITCHING IN CONJUNCTION



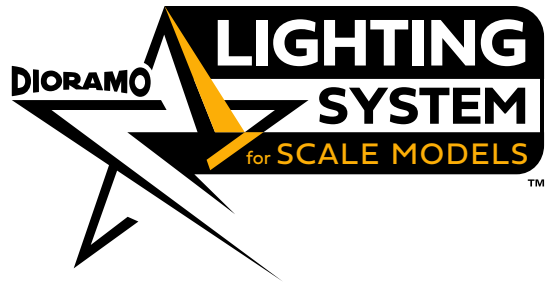
SAMPLE SETUP

Connect up to 150 Lights to an unlimited number of Daisy-Chained Modules.

SHOWCASE



GUIDELINES



FAIL-SAFE DESIGN

If the Plug fits, then its OK

The Dioramo Lighting System has a Fail-Safe design. You can't cause harm by accidentally connecting parts the wrong way. If the plug fits into a connector, then it may be connected there.

150 LIGHT RULE

How many Lights you can Connect before starting a new string of Modules

The Dioramo Lighting System has only one rule, "The 150 Light Rule". Meaning, that you may connect (daisy-chain) an unlimited number of Modules together, as long as you don't connect more than 150 Lights to a string of connected Modules. If you need more than 150 Lights, start a new string of connected Modules.

SWITCHING

Switching your Lights ON and OFF

The Switch Port on a Module only switches ON-OFF the Lights or Modules connected to the Light Ports of that particular Module. It does not affect the Expansion Port, which is designed to pass through power to the connected (daisy-chained) Modules regardless of the Switch's state.

Multiple Modules can be Switched ON-OFF together using a single Switch by connecting the Expansion Cable of the consequent Module to a Light Port of the previous one. See the sample setup "Switching in Conjunction" on Page 17.

For large setups, multiple separate systems (separate strings of Modules) can be switched ON-OFF together using a single Switch. This can be achieved by adding a Switch Hub (#20302). Switch Hubs allow for connecting up to 8 Modules from various systems. If needed, they can be daisy-chained using Switch Cables to more Switch Hubs for additional ports.

DIY

Doing your own thing to coincide with the Dioramo Lighting System

The Dioramo Lighting System is designed to be both an Easy-Peasy Plug-and-Play Solution and a Customizable System for DIY Builders. Both approaches can be used together by using our DIY Adapters and Cables.

DIY Connections, however, are done at your own risk.

Power

The Dioramo Lighting System operates on 12 Volts DC. The Dimmer outputs 0-12V depending on the knob selection. A Dioramo Lighting System Compatible Light is prewired with a 510 ohm current-limiting resistor, resulting in a current draw of approximately 20mA at 12 Volts. If you're adding your own LED Lights via DIY connections to the Dioramo Lighting System, they should be prewired with a current-limiting Resistor to accept up to 12 Volts, or use a 2-3V DIY Light Adapter.

Polarity

Anodes (Positive Terminals) are on Pin 1 of the JST-XH connectors of Light Cables, and they are indicated by the white mark on wires or white wires. For more technical information, reference a product's specifications sheet available on its page.

Current

It is important not to exceed the maximum system current rating of 3000mA (2700mA recommended) at 12 Volts. If more lights or power are needed, start a new system (string) of connected Modules which can be switched ON-OFF together using a Switch Hub. Note that some in-line adapters may have reduced current ratings.



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