

# Layered Navigation

## for Magento 2



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## Introducing Layered Navigation

**Magento 2 Layered Navigation** enhances the native Magento catalog navigation functionality with filter multiselects, improved horizontal filter bar, interactive popover, filter clearance, and other features. Filters are managed from the designated table grid. Store admins can determine the default filter state, position, sort logic, assigned product categories, etc. for each filter.

**Compatibility:** Magento Open Source 2.1.X - 2.3.X, Magento Commerce 2.1.X - 2.3.X

The **Layered Navigation** extension provides merchants with the following key features:

- Advanced **Magento 2 navigation panel** with the additional filters;
- **AJAX page reloads** refresh only the product results instead of an entire page;
- Filter **single-** and **multi-select** modes;
- Parameters configured individually **by each filter**;
- Thanks to the integration with the [Advanced Search](#) extension by Aheadworks, users can sort products on **search result pages** (in addition to the catalog ones);
- The integration with the [Shop by Brand](#) extension by Aheadworks adds a **brand filter** to the navigation panel.

## Extension Logic

The **Layered Navigation** extension offers two levels of filter management. The '**Configuration**' parameter set sets up filters on the extension level, while the '**Manage Filter**' options configure each filter individually.

On the filter level, you can configure navigation filters based on the existing product attributes. For each filter, you can set the title, format (filterable or not filterable), availability in search results, position within the navigation panel, default state, attribute sorting logic, and applicable categories. For the category filter, you can additionally set its list style: multi-select or single-select. Once enabled, each filter is added to the navigation panel on catalog pages.

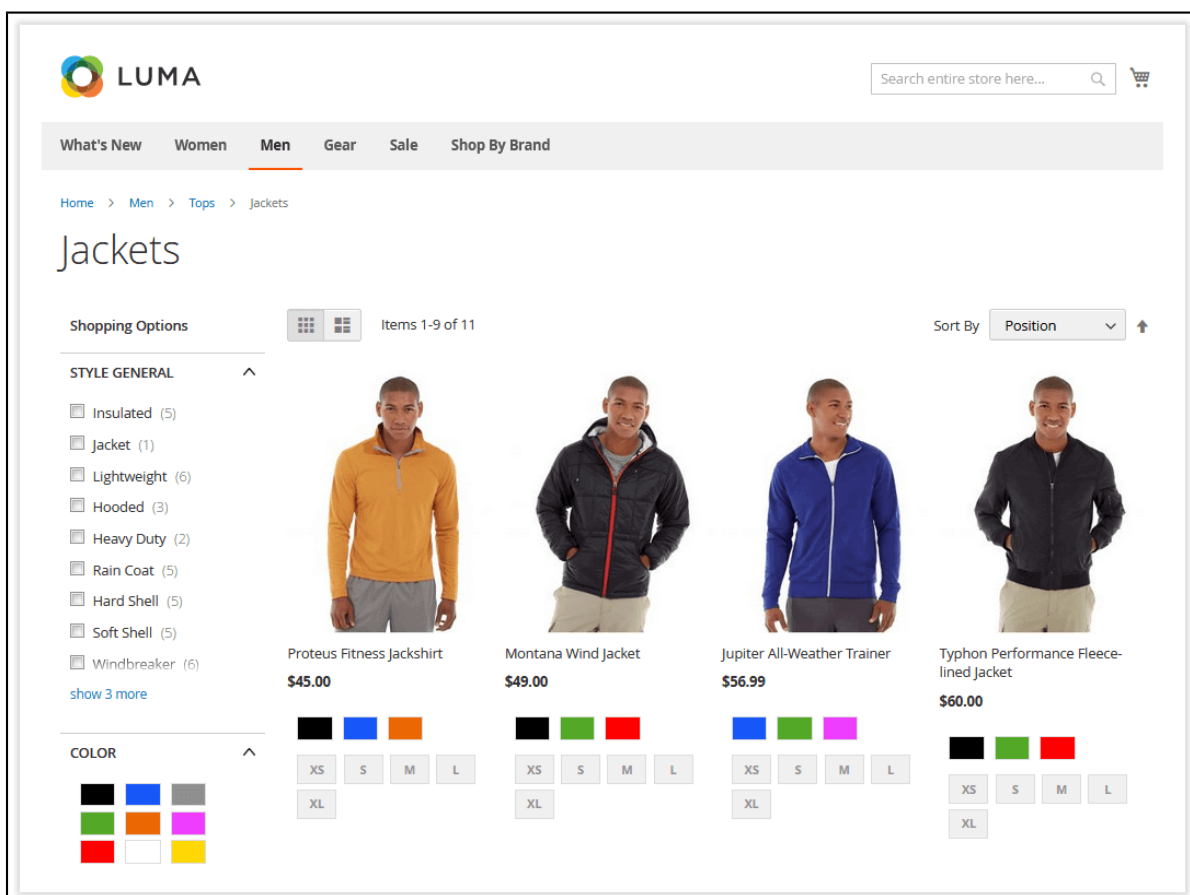
On the extension level, you can configure the navigation panel parameters as a whole, including the default state of all filters, the maximum number of attribute values to display within each filter, price filter look, etc.

## Getting Around

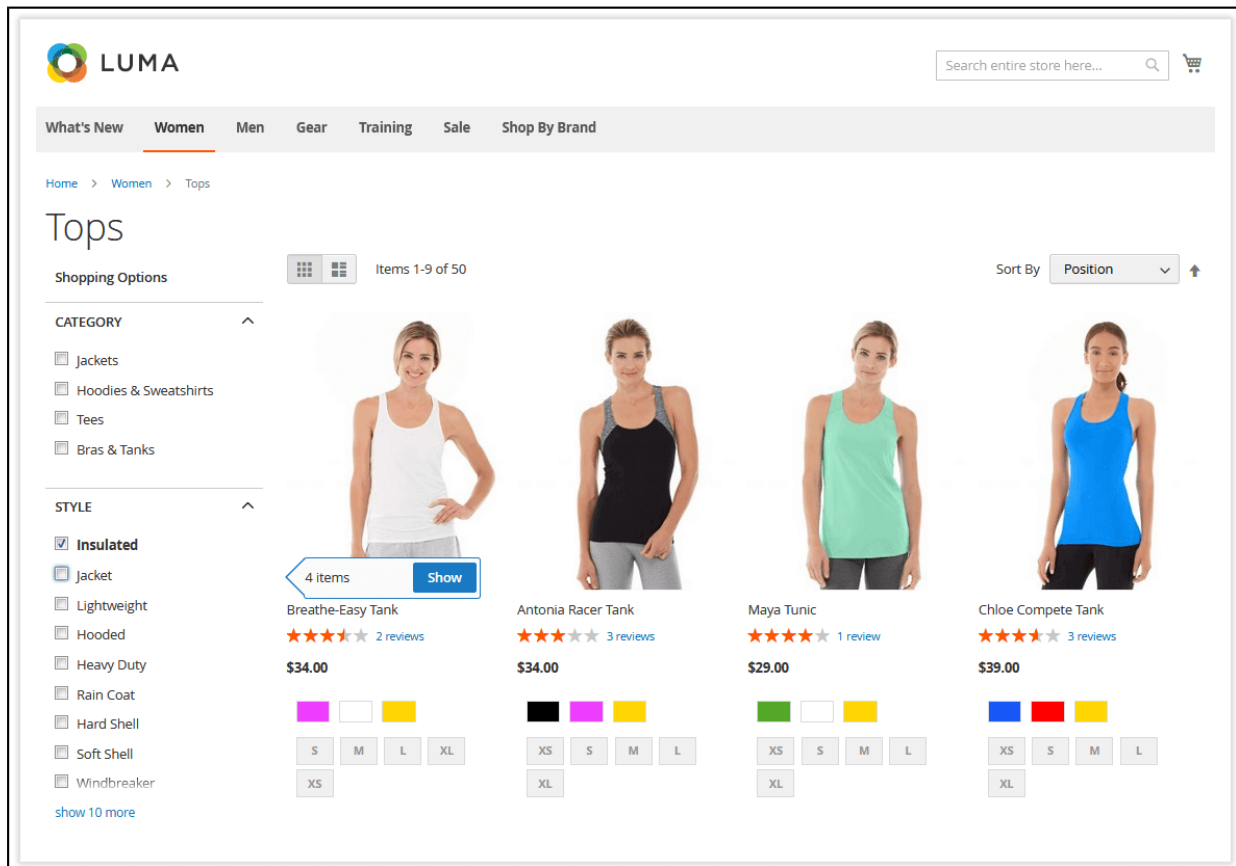
### Enabled / Disabled Popover Modes

The provided navigation functionality can be implemented in two ways: **with or without the navigation popover**. In the latter case, the module updates the product results page upon each filter selection. With the popover enabled, on the other hand, customers can choose all the necessary attribute values and then refresh the resulting page at once.

Each of the above page refresh methods changes the appearance of the layered navigation bar. For example, the bar without the popover features the count of products available upon a particular attribute value selection in brackets.



If enabled, the popover shows up displaying the number of items matching the current selection. Once a user has clicked **Show** in the popover, the catalog reloads via AJAX showing the appropriate results.



If required, you can disable item count. Go to Stores > Settings > Configuration > Catalog > Catalog. Expand the 'Layered Navigation' tab. Choose No in the 'Display Product Count' box (uncheck the 'Use system value' box beforehand).

## Attribute Multiselect

In contrast with the native Magento layered navigation, our module offers you the attribute value multi-select feature. With it, customers can select several attribute values within one product attribute and, this way, considerably broaden and improve the final product selection.

LUMA

Search entire store here...

What's New **Women** Men Gear Training Sale Shop By Brand

Home > Women > Tops > Hoodies & Sweatshirts

## Hoodies & Sweatshirts

Shopping Options

Items 1-9 of 12

Sort By Product Name

STYLE

- Full Zip
- Sweatshirt
- Pullover
- Hoodie

COLOR

SIZE

Ariel Roll Sleeve Sweatshirt \$39.00

Autumn Pullie \$57.00

Cassia Funnel Sweatshirt \$48.00

Circe Hooded Ice Fleece \$68.00

In addition to the multi-select mode, we added the traditional, single-select one to the category filter. It helps customers easily navigate among sub-categories.

LUMA

Search entire store here...

What's New **Women** Men Gear Training Sale Shop By Brand

Home > Women > Tops

## Tops

Shopping Options

Items 1-9 of 50

Sort By Position

CATEGORY

< Women

- Tops**
- Jackets
- Hoodies & Sweatshirts
- Tees
- Bras & Tanks

STYLE

- Insulated
- Jacket
- Lightweight
- Hooded
- Heavy Duty
- Rain Coat
- Hard Shell
- Soft Shell
- Windbreaker

Breathe-Easy Tank \$34.00

Antonia Racer Tank \$34.00

Maya Tunic \$29.00

Chloe Complete Tank \$39.00

To enable the single-select mode, go to Catalog > Layered Navigation by Aheadworks > Manage Filters. Click on the 'Category' filter in the list. On the filter settings page, expand the 'Category list style' box and choose the 'Single path' option.

The Layered Navigation extension catches up all the product attributes available for a particular category. Attribute sorting options, values, availability in layered navigation - these are the native Magento 2 settings described in the developer user guide.

## New Filter Options

Along with the enhanced navigation functionality, the Layered Navigation extension offers three new filters:

The screenshot shows the LUMA e-commerce store interface. The top navigation bar includes 'What's New', 'Women', 'Men', 'Gear' (selected), 'Training', 'Sale', and 'Shop By Brand'. A search bar is located in the top right corner. Below the navigation bar, the breadcrumb trail reads 'Home > Gear > Fitness Equipment'. The main heading is 'Fitness Equipment'. On the left side, there are three filter sections: 'CATEGORY' with options 'Cardio' and 'Exercise'; 'ON SALE' with 'On Sale'; and 'IN STOCK' with 'In Stock'. Below these are 'NEW STATUS' and 'New Status' filters. The main product grid displays four items:

Product Name	Price	Reviews
Affirm Water Bottle	\$7.00	1 review
Dual Handle Cardio Ball	\$12.00 (Regular Price \$12.61)	2 reviews
Go-Get'r Pushup Grips	\$19.00	3 reviews
Harmony Lumaflex™ Strength Band Kit	\$22.00	3 reviews

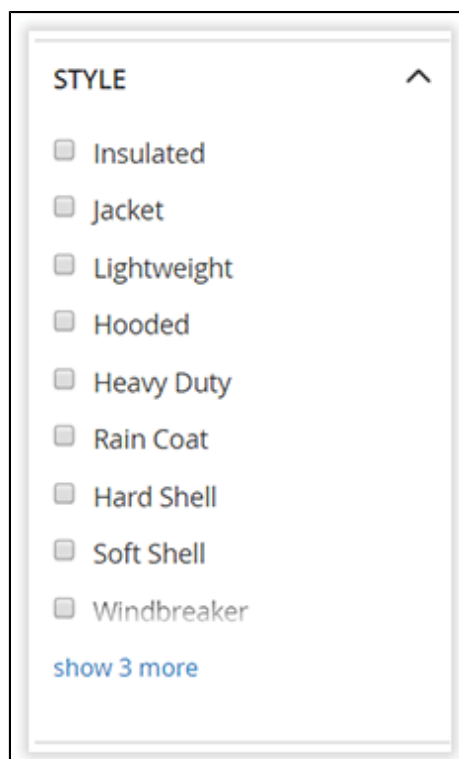
- **In Stock** - shows all the products in stock. Useful if you display out-of-stock products in your store (the filter is automatically disabled if there are no out-of-stock products in a particular category);
- **On Sale** - shows all the products with the '**Special Price**' attribute (the filter is automatically disabled if there are no products with 'Special Price' in a particular category);
- **New** - shows all the new products with the '**Set Product as New from Date**' option enabled (the filter is automatically disabled if there are no 'new' products in a category).

Note that all the newly added filter options act in a similar way directly exploiting the native Magento 2 attributes.

The Layered Navigation extension is compatible with the **Magento Solr** search out of the box with no manipulations required.

## 'Show X More' Active Link

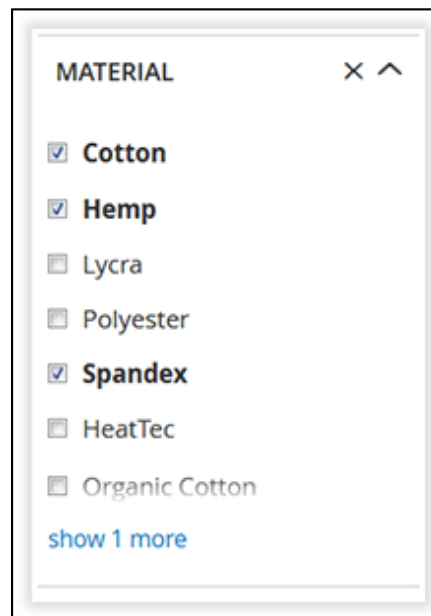
In order to truncate extra long lists of multiple attribute values, the extension uses the '**Show X more**' active link. The link shows the number of hidden filter values. With it, customers can unfold long attribute value lists with one click.





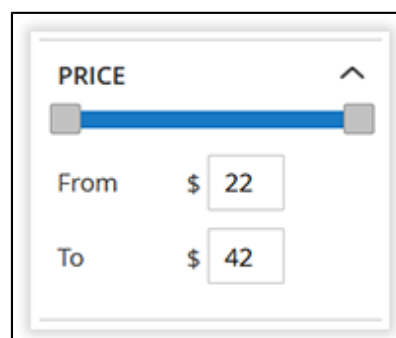
## Clear All

Since customers can simultaneously multiple attribute values within the same filter, disabling them one by one might become quite time-consuming. With Layered Navigation, they can cancel all the selected filter values with just one click on **X** next to the filter name.



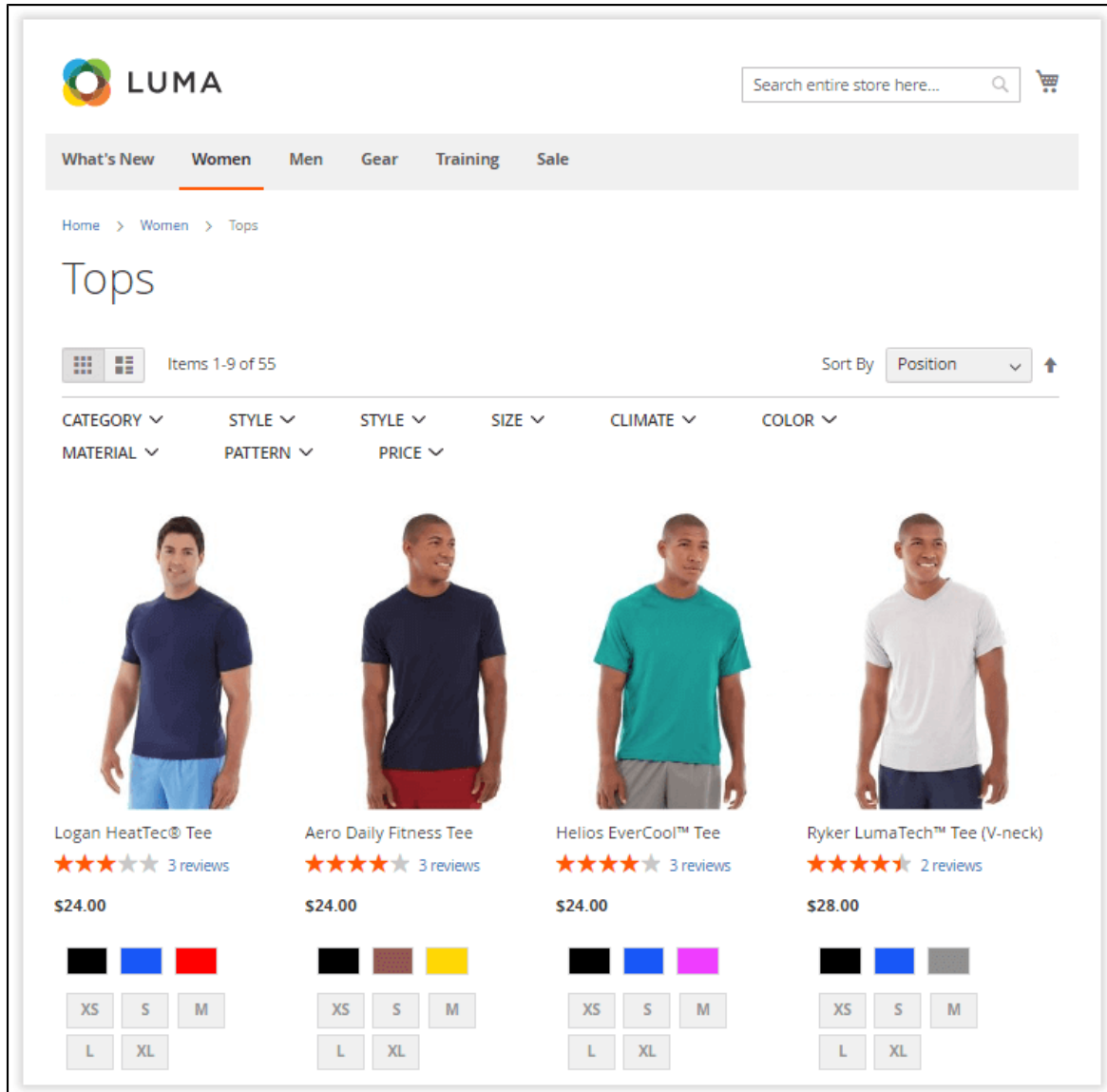
## Price Filter Types

The extension also offers the new types of the '**Price**' filter, including the price slider and from-to price input. The first one is especially useful for quick selections. With the from-to input, customers can manually specify the required price range.



## Horizontal Filter Bar

If some of your catalog pages have a one-column design, opt for the horizontal navigation panel.



To enable a one-column layout, go to Catalog > Inventory > Categories. Expand the 'Design' tab. Select the '1-column' option in the 'Layout' box.

# Backend Configuration

## General Settings

Start with configuring the global extension settings.

The extension configuration parameters can be found under **Stores > Settings > Configuration > AHEADWORKS EXTENSIONS > Layered Navigation**.

The screenshot shows the 'Configuration' page in the Magento Admin. The left sidebar contains navigation icons for Dashboard, Sales, Catalog, Customers, Marketing, Content, Reports, Stores, System, and Find Partners & Extensions. The main content area is titled 'Configuration' and shows the 'AHEADWORKS EXTENSIONS' section expanded to 'Layered Navigation'. The 'General Settings' section is visible, containing the following configuration options:

- Enable AJAX** (global): No
- Display "In Stock" Filter** (store view): Yes
- Display "On Sale" Filter** (store view): Yes
- Display "New" Filter** (store view): Yes
- Disable "Show X Items" Pop-over** (store view): Yes
- Use price slider** (store view): Yes
- Use from-to price inputs** (store view): Yes
- Default filter state** (store view): Expanded  
Default state of all filters. Can be overridden on a filter level. On mobile phones (when theme switches to 1-column layout) the filters are always collapsed.
- Filter values display limit** (store view): 9  
If quantity of values exceeds the limit, user will see the option "Show X more". Setting this option to 0 will display all filter values.
- Hide filters with no available values** (store view): Yes
- Hide attribute values if they are not available** (store view): Yes

The provided settings define the extension's behavior and the additional filters:

- **Enable AJAX** - defines how the extension handles the category page when the filter is applied:
  - If set to 'Yes', the extension will only reload the product block;
  - If set to 'No', the extension will reload the whole category page;
- **Display "New" Filter** - defines if the 'New' filter should be available for customers;
- **Display "On Sale" Filter** - defines if the 'On Sale' filter should be available for customers;

- **Display "In Stock" Filter** - defines if the 'In Stock' filter should be available for customers;
- **Disable "Show X Items" pop-over** - defines if the popover with item count matching the currently selected attributes should be displayed;
- **Use price slider** - defines if the price attribute should be available in the form of a slider;
- **Use from-to price inputs** - defines if customers can specify the exact price range in the price filter;
- **Default filter state** - determines the default state of all filters (expanded or collapsed);
- **Filter values display limit** - determines the number of filter values to be shown above the 'Show X more' link (if applied);
- **Hide filters with no available values** - defines if filters that do not have values for the currently generated product list should be hidden in the navigation menu;
- **Hide attribute values if they are not available** - shows or hides the attribute values within one filter void for the current product selection.

## SEO Settings

The 'SEO' optimization settings are aimed at improving store presence in search engines and to avoid destructive SEO issues.

The available parameters are:

- **SEO-friendly URL** - defines how the applied filters affect the end-page URL;
- **Disable search engine indexing on catalog search pages** - defines if the search engine indexation should be disabled on catalog search pages;
- **Use 301 Redirect for old URLs** - if the catalog pages with filters have been indexed and then moved, this setting will create the 301 redirect to the old-page URL. The old-page URL is based on the '**SEO-friendly URL**' setting value;

The screenshot shows the 'Configuration' page for 'SEO' settings. The left sidebar contains navigation icons for Dashboard, Sales, Catalog, Customers, Marketing, Content, Reports, Stores, System, and Find Partners & Extensions. The main content area is titled 'SEO' and includes a 'Save Config' button in the top right corner. The settings are as follows:

- SEO-friendly URL** [store view]: Default (dropdown menu).  
**Examples:**  
Default = bags.html?color=1&brand=4  
Use attribute value instead of ID = bags.html?color=blue&brand=brandname  
Use attributes to create URL subcategories = category-bags/color-blue/brand-brandname/
- Disable search engine indexing on catalog search pages** [global]: Yes (dropdown menu).
- Use 301 Redirect for old URLs** [store view]: No (dropdown menu).  
If your website is brand-new, we recommend keeping this option disabled. Otherwise, if your pages have already gained some SEO weight, enable it.
- Page Meta Title Template** [store view]: `{{var category.name}} {{for filter in urls.getAllFilters()}} {{var filter.name}} {{var filter.value}}, {{/for}}`
- Page Meta Description Template** [store view]: `{{var category.metatitle}} {{for filter in urls.getAllFilters()}} {{var filter.name}} {{var filter.value}}, {{/for}}`
- Rewrite meta robots tag** [store view]: No (dropdown menu).  
Disable this option if you have got conflicts with 3rd-party SEO extension
- Add canonical URLs** [store view]: No (dropdown menu).  
Disable this option if you have got conflicts with 3rd-party SEO extension

- **Page Meta Title Template** - defines what information should be added to the catalog page's **Meta Title** after the attributes are selected in Layered Navigation;
- **Page Meta Description Template** - defines what information should be added to the catalog page's **Meta Description** after the attributes are selected in Layered Navigation;
- **Rewrite meta robots tag** - when enabled, the parameter adds the 'NOINDEX' and 'NOFOLLOW' meta tags to the category pages if:
  - it is the second or the following page (pagination);
  - products are filtered by position, name, or price;
  - selected several options of the same filter;

- product listing is different from default values - when the product listing value becomes a part of the URL.

- **Add canonical URLs** - defines if the canonical URL's are added to the catalog search pages.

The 'Use 301 redirect for old URLs' setting works as follows: if the indexed catalog page URL with filters applied doesn't correspond to the current value of the SEO-friendly URL setting but corresponds to other values, the indexed category URL will be redirected to the URL of the new format.

## Managing Filters

Now let's explore how filters can be configured separately. For this purpose, open the 'Manage Filters' grid.

The grid can be found in **Catalog > Layered Navigation by Aheadworks > Manage Filters**.

Filter	Code	Type	Status	Status in search	Position
<input type="checkbox"/> Pattern	pattern	Attribute	Filterable (with results)	Yes	60
<input type="checkbox"/> brand	brand	Attribute	Filterable (with results)	Yes	50
<input type="checkbox"/> Material	material	Attribute	Filterable (with results)	Yes	40
<input type="checkbox"/> Climate	climate	Attribute	Filterable (with results)	Yes	30
<input type="checkbox"/> Price	price	Price	Filterable (with results)	Yes	20
<input type="checkbox"/> Activity	activity	Attribute	Filterable (with results)	Yes	20
<input type="checkbox"/> Size	size	Attribute	Filterable (with results)	Yes	15
<input type="checkbox"/> On Sale Status	sales		Filterable (with results)	Yes	10
<input type="checkbox"/> New Status	new	New	Filterable (with results)	Yes	10
<input type="checkbox"/> In Stock Status	stock		Filterable (with results)	Yes	10
<input type="checkbox"/> Color	color	Attribute	Filterable (with results)	Yes	10
<input type="checkbox"/> Category	category	Category	Filterable (with results)	Yes	0
<input type="checkbox"/> Style Bags	style_bags	Attribute	Filterable (with results)	Yes	0
<input type="checkbox"/> Style Bottom	style_bottom	Attribute	Filterable (with results)	Yes	0

The '**Manage Filters**' grid contains six columns, including filter names, codes, types, their general status, status in search, and position. In the grid, you can sort filters by the above attribute and perform mass actions with the selected filters. This way, you can change the filter status and status in search or synchronize the selected filters.

## Filter Editing

The screenshot shows the 'Edit Filter' page in a Magento 2 admin interface. The page is titled 'Edit Filter' and shows a sidebar with navigation options like Dashboard, Sales, Catalog, Customers, Marketing, Content, Reports, Stores, System, and Find Partners & Extensions. The main content area is divided into two sections: 'General Settings' and 'Categories'. The 'General Settings' section includes fields for 'Filter Title' (set to 'Category'), 'Use in Layered Navigation' (set to 'Filterable (with results)'), 'Use in Search Results Layered Navigation' (set to 'Yes'), 'Position' (set to '0'), 'Default filter state' (set to 'Expanded'), and 'Category list style' (set to 'Single path'). The 'Categories' section includes a dropdown for 'Select categories where to display the filter' (set to 'Everywhere, where applicable'). A 'Save' button is visible at the top right of the form.

The '**Edit Filter**' page contains the two sections: '**General Settings**' and '**Categories**'.

- The '**Filter Title**' option changes the name of a particular product attribute and the layered navigation filter, accordingly;
- The '**Use in Layered Navigation** and '**Use in Search Layered Navigation**' parameters enable the filter for a particular navigation area;
- **Position** - determines the filter's position in the navigation panel;

- **Default filter state** - specifies the state of a particular filter by default;
- The '**Sort by**' option determines the sorting order of attribute values within the filter: manually or automatically in the alphabetical order ('**A-Z**' or '**Z-A**');
- **Category list style** - the option is available for the '**Category**' filter only. It determines the navigation panel's appearance and behavior. If the '**Default (multiselect)**' option is enabled, the '**Category**' filter looks much like the other filters. It displays categories, subcategories, and checkboxes. Customers are able to select one or several of them. The '**Single path**' option displays the whole category tree so that customers can directly proceed to the only destination within the catalog;
- **Select categories where to display the filter** - the option makes a particular filter available: a) everywhere where applicable, b) only in the categories of the lowest level, c) exclude specific categories to be available for the filter.

The filter becomes available only if at least one of the 'Use in Layered Navigation and 'Use in Search Layered Navigation' options is available.

## Uninstalling Layered Navigation

### Manual Removal

1. Disable the module by executing the following commands:

```
php bin/magento module:disable Aheadworks_Layerednav  
php bin/magento setup:upgrade
```

2. Remove the extension files from the following folder:

```
app/code/Aheadworks/Layerednav
```



## Automatic Removal (via Composer)

1. Disable the module by executing the following commands:

```
php bin/magento module:uninstall Aheadworks_Layerednav
```

For an in-depth look visit Layered Navigation demo store at the extension's [product page](#).

Feel free to contact our support team with any questions:

[Submit a help desk ticket](#)

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