Filters, Diffusers & Spot Lenses

Filters and Adapter
- Available in red, green, blue, yellow, and daylight. These Dichroic filters will not darken or alter spectral response over time, regardless of light intensity or duration. The daylight filter increases existing color temperature to approximately 3000 K when used with EKE, EJA, and DDL lamps at their rated voltages.
- Dichroic color filters reflect heat versus absorbing it, eliminating the need for a thermal expansion split.
- Filters fit on all ColdVision standard inputs. For our larger inputs and backlight inputs, use our color filter adapter, A08931, with the color filters.
- Clear anodized aluminum housing is used on the filters. Black anodized aluminum housing is used on the adapter.

Diffusers
- Input lens diffuser, part number, A08086, homogenises beam with minimal light loss and minimizes black hole phenomenon from fiber bundles.
- Opal diffuser option, part number, A08087, creates the most uniform light - almost flat illumination, but reduces output by 40%.
- Diffusers fit on all ColdVision standard inputs.

Spot Lenses
- Used on distal ends of goosenecks and bundles to focus the light.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>First Spot Location</th>
<th>First Spot Diameter</th>
<th>Second Spot Location</th>
<th>Second Spot Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>A08080</td>
<td>40 mm</td>
<td>45 mm</td>
<td>80 mm</td>
<td>90 mm</td>
</tr>
<tr>
<td>A08082</td>
<td>40 mm</td>
<td>30 mm</td>
<td>80 mm</td>
<td>60 mm</td>
</tr>
<tr>
<td>A08084</td>
<td>40 mm</td>
<td>30 mm</td>
<td>80 mm</td>
<td>60 mm</td>
</tr>
</tbody>
</table>

- Polarizing cap, part number, A08090, is available for spot lens model, A08080, to eliminate glare and reflections. Five spare polarizing discs are included with the product.

Filters, Diffusers & Spot Lenses

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A08070</td>
<td>Blue A08073 Red A08931 Color Filter Adapter</td>
</tr>
<tr>
<td>A08071</td>
<td>Green A08074 Daylight</td>
</tr>
<tr>
<td>A08072</td>
<td>Yellow A08075 UV Filter, Cut-off</td>
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<tr>
<td>A08086</td>
<td>Input lens diffuser</td>
</tr>
<tr>
<td>A08087</td>
<td>Input opal diffuser</td>
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</tbody>
</table>

Spot Lenses
- Available at specified voltages.
- Dichroic color filters reflect heat versus absorbing it, eliminating the need for a thermal expansion split.

Polarizing Cap (for A08080)
- A08090 Polarizing cap for A08080

Manufactured in the USA.
Filters, Diffusers & Spot Lenses

*Dimensions in ( ) are in mm*

**A08070 - A08074**
Dichroic Color Filters

**A08931**
Color Filter Adapter

**A08080**
Spot Lens

**A08084**
Spot Lens

**A08086**
Input Lens Diffuser

**A08087**
Input Opal Diffuser

**A08082**
Small Spot Lens

**A08090**
Polarizing Cap

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*Product improvements may result in specification or feature changes without notice.*
Bundle Extenders

Extend the working length of standard fiber optic components using a SCHOTT bundle and these couplers.

Features

- Reduces the requirement for custom fiber optic lengths.
- Provides the user with additional work space since the light source can be placed in a more remote area.
- Extends length of all standard SCHOTT ringlights, bundles, goosenecks, lightlines, and backlights* that have a .310" (8) or .510" (13) active fiber diameter.
  - Use Part Number A08035 with A08031.40, A08031.40R, A08031.60, A08031.60R, A08031.80, A08031.80R to extend products with an active fiber diameter of .310" (8) or less.
  - Use Part Number A08055 with A08051.40 and A08051.60 to extend products with an active fiber diameter greater than .310" (8) but less than .510" (13).
- Black anodized aluminum with nylon tipped set screws.

PLEASE NOTE: Using a bundle extender results in a 30-40% light loss. If your application requires maximum intensity, we recommend ordering a modified standard component.

*Backlight adapter, part number A08931 is required in order for the bundle extender to be used with SCHOTT standard backlights.

- Manufactured in the USA.

<table>
<thead>
<tr>
<th>Bundle Extender Part No.</th>
<th>Single Bundle Part No.</th>
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<tbody>
<tr>
<td>A08035</td>
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<td></td>
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<td>A08031.80</td>
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<tr>
<td></td>
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<tr>
<td>A08055</td>
<td>A08051.40</td>
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<tr>
<td></td>
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