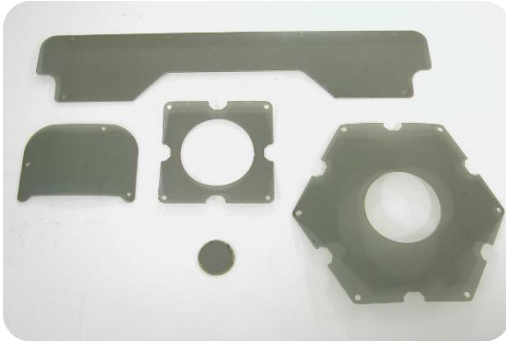


## POLARIZER KIT



### product features



Smart Vision Lights has linear Polarizer kits available. Polarizing filters can reduce reflections on specular surfaces. A polarizer can be added in the field.

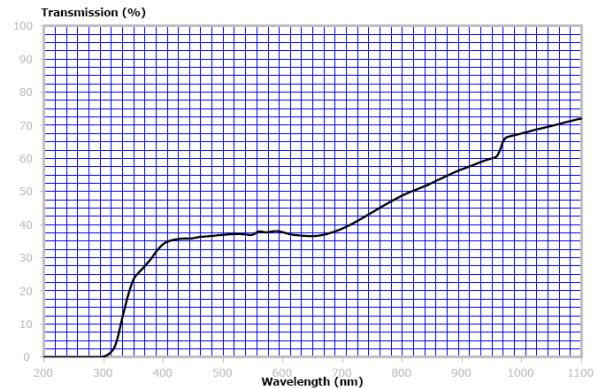
Lights with polarizer kits:

DLP	ODDM-503	ODS75	RL300
L300	ODDM-LX520	SX30	ODRL200
LC300	ODL300	R80	ODRL300
LX300	S75	R130	ODR80
ODDM-300	SC75	RL200	ODR130
ODSX30	XR256	SOBL	



### product specifications

<b>Transmittance</b>	38%
<b>Wavelength Transmission</b>	400-700nm
<b>Color</b>	Neutral Gray
<b>Polarizing Efficiency</b>	99.98%
<b>Thickness</b>	.762mm (.030")
<b>Direction</b>	Linear



### lifetime

High Power LED's can damage a linear polarizer. A Linear Polarizer has a typical transmission of 38% while blocking 62% of the light not in the polarization plane. Thus 62% of light energy is turned into heat energy. This heat must be dissipated or a breakdown of the material will occur over time. Linear Polarizers currently available cannot dissipate the heat when the latest 100+ lumen high power LED's are used in lights.

The Linear Polarizer material will fail when the LED light is used in a constant operation. Smart Vision Lights mandates a limited exposure time for linear polarizers. Using the Light in strobe application will limit the exposure time and heat energy needed to be dissipated by the linear polarizer. A 10% duty cycle or less is recommended when a linear polarizer is used on a light.



#### Attention

Please note that operating lamps in constant ON may result in permanent damage to the polarizer. Light operation should be limited to a 10% duty cycle to prevent premature degradation of polarizer.