

# DJI BACKLIGHT FIBER OPTIC

The DJI Backlight is a machine vision lighting method which provides a high contrast silhouette of a part segment. Made with durable glass fibers, the backlights can be used with strobes or any quartz halogen illuminators of DJI. All backlights can be used with a color filter, which is placed at the input end, to improve the contrast of color tinted parts. The use of glass fiber optics enables the backlights to be used with a high intensity illuminator. Fiber ends include a diameter of 0.25" to 0.625". The housing of the backlight includes, black aluminum or black nylatron.



## Features

- Made with durable glass fibers
- Color filters optional
- Black aluminum or Black nylatron
- DJI strobe or quartz-halogen illuminators
- Glass fiber optics
- Custom Backlights available

Specifications	
Individual Fiber Diameter:	0.002" (typical); 0.001" (available)
Acceptance Cone:	68°
Numerical Aperture:	0.55
Temp Capabilities:	QVABL, QVABL22, QVMABL & 700002151048: -40°C to 107°C (-40°F to 220°F) QVMABLHT: -40°C to 205°C (-40°F to 400°F)
Spectral Transmittance:	400nm to 2000nm
Housing Material::	QVABL, QVABL22 & QVMABLHT: Anodized Black Aluminum QVMABL & 700002151048: Black Nylatron
Diffuser Material:	QVABL, QVABL22, QVMABL & 700002151048: Acrylic QVMABLHT: Glass



# DJI FIBER OPTIC BACKLIGHTS

Part #	Cable Length	End Tip Dia.	Dimensions	Field of View
<b>Large Area Backlight (Standard End Ferrule, PVC-Covered Metal Hose)</b>				
700002151048	48"	0.625"	14.5" x 6.5"	8.5" x 6.25"
<b>QVABL (Standard End Ferrule, PVC-Covered Metal Hose)</b>				
QVABL48	48"	0.56"	7.12" X 4.75"	3.37" X 4.25"
QVABL68	68"			
QVABL72	72"			
QVABL108	108"			
QVABL36M	36"	0.588"	7.12" X 4.75"	3.37" X 4.25"
QVABL48M	48"			
QVABL2236	36"	0.588"	4" X 2.6"	2" X 2"
QVABL2248	48"			
QVABL2272	72"			
<b>QVMABL (Standard End Ferrule, PVC Monocoil Sheathing)</b>				
QVMABL36	36"	0.312"	3.375" X 2.05"	1.63" X 1.86"
QVMABL48	48"			
QVMABL72	72"			
QVMABL79	79"			
QVMABL96	96"			
QVMABL100	100"			
QVMABL120	120"			
QVMABL36M	36"	0.588"	3.375" X 2.05"	1.63" X 1.86"
QVMABL48M	48"			
<b>QVMABLHT (Standard End Ferrule, Stainless Steel Sheathing)</b>				
QVMABLHT	48"	0.312"	3.375" X 2.05"	1.63" X 1.86"

