

LED Ring Light

Polarizers And Glare

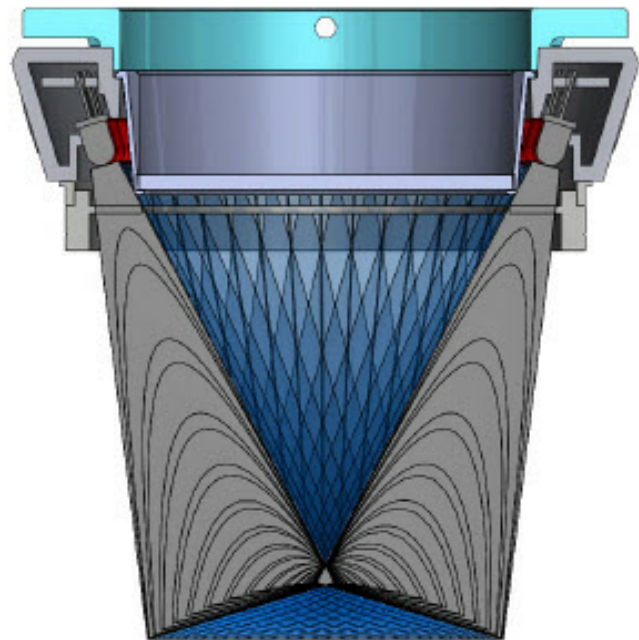
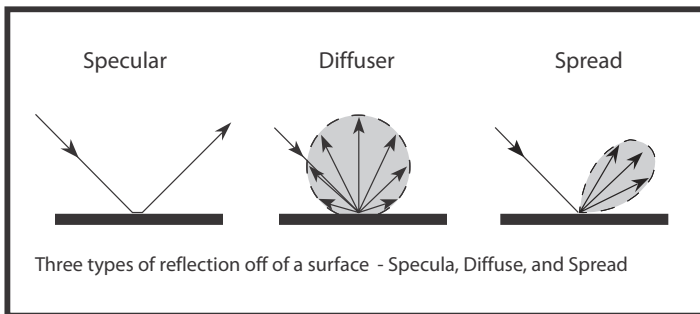
UNLIKE LARGE AREA LIGHT SOURCES SUCH AS FLUORESCENT LAMPS, LED RING LIGHTS ARE A COLLECTION OF POINT SOURCES EACH WITH THEIR OWN CONE of light.

As such in certain applications reflected light can detract from the image quality.

A common solution is to add a polarizer / analyzer kit which can be used to block unwanted glare.

The effect is created by rotating the lower analyzer ring in relation to the fixed polarizer plate.

Polarizer / Analyzers are constructed from glass substrate and aluminum alloys. All our Polarizer / Analyzer kits are esd safe.



SHOWN WITH POLARIZER /
ANALYZER KIT INSTALLED

LED Ring Light

Performance

	ProLine 30	ProLine 40	Slim Line 40	ProLine 80
LEDS	30	40	40	80
Inside Diameter	1.7 inch (44 mm)	2.6 inch (66 mm)	2.6 inch (66 mm)	2.6 inch (66 mm)
Outside Diameter	2.9 inch (74 mm)	3.8 inch (97 mm)	3.8 inch (97 mm)	4.1 inch (104 mm)
Height	1.0 inch (25 mm)	1.0 inch (25 mm)	1.0 inch (25 mm)	1.0 inch (25 mm)
Illuminance @ 2.0 Inch Footcandles (Lux)	5,800 (62,300)			
Illuminance @ 2.5 Inch Footcandles (Lux)	6,500 (69,800)			
Illuminance @ 3.0 Inch Footcandles (Lux)	6,200 (66,600)			
Illuminance @ 3.5 Inch Footcandles (Lux)	5,400 (58,000)	4,010 (43,100)	4,010 (43,100)	4,280 (46,000)
Illuminance @ 4.0 Inch Footcandles (Lux)	4,300 (46,700)	4,030 (43,300)	4,030 (43,300)	5,300 (57,000)
Illuminance @ 4.5 Inch Footcandles (Lux)	3,600 (38,700)	3,600 (38,700)	3,600 (38,700)	5,800 (62,400)
Illuminance @ 5.0 Inch Footcandles (Lux)	2,200 (23,600)	3,120 (33,500)	3,120 (33,500)	5,700 (61,300)
Illuminance @ 5.5 Inch Footcandles (Lux)	1,700 (18,258)	2,650 (28,500)	2,650 (28,500)	5,400 (58,100)
Illuminance @ 6.0 Inch Footcandles (Lux)	1,400 (15,000)	2,190 (23,500)	2,190 (23,500)	5,010 (53,900)
Minimum Working Distance (Dark Spot Disappears)	2.0" (50 mm)	2.5" (63 mm)	2.5" (63 mm)	2.5" (63 mm)
Ideal Working Distance (Max Illuminance/Even illumination)	2.5 inch (63 mm)	3.5 inch (88 mm)	3.5 inch (88 mm)	4.7 inch (120 mm)

Illuminance Conversion Factors

	Footcandles	Lux	Phot
Footcandles (lumen/ft ²)	1	0.929	929
Lux (lumen/m ²)	10.75	1	10.000