

PROLINE 80 RING ILLUMINATOR



THE PROLINE 80 LED RING LIGHT

The Proline 80 LED ring light is the workhorse of industrial microscopy.

The Proline 80 is designed with an inner and outer ring populated by 80 high quality, extremely bright, white LED's. The inner and outer rings of LED's are set at different angles to create uniform illumination across a wide range of working distances. Each ring and LED segment can be independently controlled using TechniQuips advanced eight segment LED controller. Dual dimming controls provide maximum color stability at all dimming levels. CNC-machined from a solid block of aluminum alloy allowing optimal thermal management and performance in a rugged, attractive package. The ProLine 80 comes standard with a universal power source for worldwide operation.

The ProLine 80 is designed and manufactured to the exacting standard that have made TechniQuip an industry leader in microscopy ring lights. Manufactured in TechniQuip's own Pleasanton, California factory, the ProLine 80 is backed by the great service and warranty that have made TechniQuip the first choice for OEM equipment, semiconductor fabs, machine vision, laboratories, and other "mission critical" applications

Key Features

- ▶ 80 Powerful high precision aligned LEDs
- ▶ Choice of Daylight, Cool White, Warm White or Ultraviolet LEDs
- ▶ Supplied with 8 quadrant controller and auto voltage sensing power supply
- ▶ Machined aluminum alloy housing for durability
- ▶ Supplied with 3 soft tip mounting screws
- ▶ 2 Fully adjustable dimming control
- ▶ 360 Degree shadow-free illumination
- ▶ Silent vibration free operation
- ▶ Instant on performance
- ▶ Standard model fits 1.25"-2.6" (66mm) lenses
- ▶ Adaptable for machine vision applications

PROLINE 80 - 66MM RING MODELS



Number of LEDs	80
Inside Ring Diameter	2.63 inch (66 mm)
Outside Ring Diameter	4.11 inch (105 mm)
Height	1.02 inch (26 mm)
Cable Length	6 feet
Minimum Working Distance (Dark Spot Disappears)	3.5 inch (88.9 mm)
Ideal Working Distance (Max Illuminance/Even illumination)	4.5 inch (114 mm)
Maximum (Effective) Working Distance	7.0 inch (178 mm)

ESD MODELS	
Proprietary metal finishing provides a superior ESD finish	
Machined aluminum alloy controller	
Shielded interconnect cable	
Professional ESD tether grounding strap with coiled retractable cable included (10mm snap)	
SHIPPED READY TO USE	
The ProLine 80 consists of three components:	
One LED 80 Ring, a 8 quadrant controller and one AC/DC Switching Adapter:	
Input: 100-240V - 50/60 Hz, 0.5A Output: 24V -0.75A, 18W Maximum	

CUSTOM SOLUTIONS IN LIGHTING

TechniQuip offers custom solutions in precision lighting devices, LED ring lights, LED light sources, halogen light sources, fiber optic rings, fiber optic cables, goose-necks, cross-hair generators, optical inspection systems, CCD video cameras, optics and adapters for all of your microscope needs.

Call or E-mail us today if you would like discuss our specialized turnkey services in design, R&D, and production. We guarantee all of our products. TechniQuip: A proud tradition of sales and service for more than 40 years.

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PROLINE 80 - 66MM RING MODELS

COMMON	MODELS
P866-DS8-XXW	ProLine, 66mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug
P866-CS8-XXW	ProLine, 66mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug
P866-WS8-XXW	ProLine, 66mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug

ESD	MODELS
P866-DS8-XW	ProLine, 66mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug
P866-CS8-XW	ProLine, 66mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug
P866-WS8-XW	ProLine, 66mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug

ESD	MODELS
P866-DS8-XXW-UV	ProLine, 66mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug
P866-CS8-XXW-UV-D	ProLine, 66mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug
P866-WS8-XXW-D-UV	ProLine, 66mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug

UV WITH ESD	MODELS
P866-ZS8-EXW-UV	ProLine, 66mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug
P866-ZS8-EXW-UV-D	ProLine, 66mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug
P866-ZS8-EXW-D-UV	ProLine, 66mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug



PROLINE 80 SELECTION GUIDE

- P** — **Model Name**
P8 = 80 LED ProLine
- 8** —
- 6** — **Inside diameter (mm)**
66 = 66mm (80 LED ProLine)
- 6** — (Before any reducing adapters are added)
- D** — **Corrected Color Temperature**
D = Daylight ~ 5000 -9000 CCT
C = Cool White ~ 4000-4900 CCT
W = Warm White ~ 2750 - 3400 CCT
Z = UV Custom
(See Last Item In Selection Guide)



- S** — **Beam Angle**
S = Standard (Short and Long W.D.)
- 8** — **Segment Control**
8 = 8 (Inner and outer 90 degree segments)

(W) USA Wall Mount Switching

- Plug-In-Power Supply
- 25% More Efficient
- 50% Smaller
- 70% Lighter

Than Traditional
Linear Power Supplies

- X** — **ESD Compliant**
X = None
E = ESD Compliant
- X** — **Remote Control**
X = Not Available



- W** — **Power Converter**
W = Wall type with USA Plug (100-240 VAC,50-60Hz, 0.5A)
U = International Desk Top Auto Voltage Sensing Power Supply

- W** — **Optional**
Specify Power Cord Option When Ordering International Table Top Power Supply:
K=USA, A= Euro, C= Australia, D=UK, H= Israel, L= Switzerland

- X** — **Custom (Specify Inner and Outer Ring and Color Temperature)**
- X** — UV = 80 UV LED's
- X** — UV-D = 40 Inner Ring UV, 40 Outer Ring (D)Daylight, (W) Warm White or (C) Cool White. (For Short W.D. UV Work)
- X** — D-UV = 40 Inner Ring (D) Daylight, (W) Warm White or (C)Cool White, 40 Outer Ring UV. (For Long W.D. UV Work)

