

## PROLINE 882 RING ILLUMINATOR



### THE PROLINE 882 - 82mm RING ILLUMINATOR

The Proline 882 LED ringlights are designed with an inner and outer ring populated by 80 high quality bright white LED's. The 82mm I.D. makes the PROLINE 882 ideal for mounting on large diameter optics.

The Proline 882 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. The ProLine 882 is specifically designed for mounting on large diameter optics and comes standard with an eight segment controller and universal power source for worldwide operation.

ProLine Series ringlights are designed and manufactured to the exacting standards that have made TechniQuip an industry leader in microscopy LED illumination. Manufactured in TechniQuip's own Pleasanton, California factory, the ProLine 882 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 precision aligned, very high output LEDS
- ▶ Choice of Daylight, Cool White, Warm White or UV 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
- ▶ Adaptable for machine vision applications
- ▶ Larger diameter model (P882) fits 82mm (3.23") lenses (Designed for NIKON's new objective lenses)
- ▶ HDMI cable included - Connects controller to ring

# PROLINE 882 Technical Specifications



## SHIPPED READY TO USE

The ProLine 882 consists of three components:

One LED 882 Ring, 4 quadrant controller and one AC/DC Switching Adapter:

Input: 100-240V - 50/60 Hz, 0.5A  
Output: 24V -0.75A, 18W Maximum

## ESD MODELS

Proprietary metal finishing provides a superior ESD finish

Machined aluminum alloy controller

Shielded interconnect cable

Number of LEDs	80
Inside Ring Diameter	3.23 inch (82 mm)
Outside Ring Diameter	4.11 inch (105 mm)
Height	2.165 inch (55 mm)
Cable Length	6 feet
Minimum Working Distance (Dark Spot Disappears)	3.5 inch (88.9 mm)
Ideal Working Distance (Max Illuminance/Even illumination)	3.5 inch (88 mm)
Maximum (Effective) Working Distance	5.0 inch (127 mm)

## 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 882 Models

COMMON	MODELS
P882-DS8-EXW	ProLine, 82mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug
P882-CS8-EXW	ProLine, 82mm I.D., Cool white, Standard WD, 8 Segment Controller, No ESD, USA Plug
P882-WS8-EXW	ProLine, 82mm I.D., Warm white, Standard WD, 8 Segment Controller, No ESD, USA Plug

  

ESD	MODELS
P882-ZS8-XXW-UV	ProLine, 82mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug
P882-ZS8-XXW-UV-D	ProLine, 82mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug
P882-ZS8-XXW-D-UV	ProLine, 82mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug

  

ESD	MODELS
P882DS8XXW-UV	ProLine, 82mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug
P882CS8XXW-UV-D	ProLine, 82mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug
P882WS8XXW-D-UV	ProLine, 82mm I.D., Daylight, Standard Working Distance, 8 Segment Controller, No ESD, USA Plug

  

UV WITH ESD	MODELS
P882ZS8EXW-UV	ProLine, 82mm I.D., 80 Ultraviolet LED's, Standard Working Distance, 8 Segment Controller, ESD, USA Plug
P882ZS8EXW-UV-D	ProLine, 82 mm I.D., 40 Inner Ring UV LED's, 40 Outer ring Daylight LED's, Standard Working Distance, 8 Segment Controller, ESD, USA Plug
P882ZS8EXW-D-UV	ProLine, 82 mm I.D., 40 Outer Ring UV LED's, 40 Inner Ring Daylight LED's, Standard Working Distance, 8 Segment Controller, ESD, USA Plug



# PROLINE 882 SELECTION GUIDE

- P** — **Model Name**  
P8 = 80 LED ProLine
- 8** — **Inside diameter (mm)**  
82 = 82mm (882 LED ProLine)  
Before any reducing adapters are added)
- 2** — **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)**  
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)