# CYCLOPS
## LIGHTING

# **PR** 300
DATASHEET

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LIGHTING

The **PR 300 Series** is a high-performance line of LED profiles engineered to replace traditional 1KW tungsten fixtures with superior efficiency and clarity. Available in three tailored variations—the daylight-crisp **PR 300C (Cool White)**, the natural and inviting **PR 300W (Warm White)**, and the flexible **PR 300T (Tunable White)**—this series provides the perfect light for any setting. Boasting an exceptional **CRI of 97** and **TLCI of 98**, these fixtures ensure flawless color rendering and skin tones for both theater and broadcast.

Designed for seamless integration, each unit features a manual **18° to 38° zoom**, precise 16-bit dimming, and an optional Fresnel lens adapter for soft wash applications. With **intelligent temperature control** for near-silent operation and flicker-free performance for cameras, the PR 300 series offers professionals the perfect balance of high-output power and artistic refinement.

## SOURCE

| | |
|---|---|
| Light Source | • PR 300C: 300W Cool White COB LED<br>• PR 300W: 300W Warm White COB LED<br>• PR 300T: 600W COB LED (300W WW + 300W CW) |
| Total Output<br>(Light Output @ 2m @ 18°) | • PR 300C / PR 300W: 29,000 Lux<br>• PR 300T: 14,000 Lux |
| LED Life Expectancy | • 50,000 Hours |
| Color Temperature | • PR 300C: 5600K<br>• PR 300W: 3200K<br>• PR 300T: 2800K – 6500K (Tunable) |
| CRI / TLCI | • PR 300C / PR 300W: CRI 97, R9 ≥ 90, TLCI 98<br>• PR 300T: CRI 96, R9 ≥ 90, TLCI 98 |

## OPTICAL SYSTEM

| | |
|---|---|
| Zoom Range | • 18° to 38° (Manual) |
| Optional Lens Tubes | • Fresnel lens adapter 25°–50° (PMMA) |
| Accessories | • Optional Iris and Gobo Holder (Gobo Size: OD=58mm / ID=50mm) |

## DYNAMIC EFFECTS

| | |
|---|---|
| Dimmer | • 16-bit dimmer |
| Strobe | • Electronic strobe effect |
| PWM | • Video flicker-free with selectable PWM |

## CONTROL & PROGRAMMING

| | |
|---|---|
| Display | • LCD display with four buttons |
| Control Channels | • PR 300C / PR 300W: 1, 2, or 3 CHs<br>• PR 300T: 2, 4, or 5 CHs |
| Control Protocols | • Rotary, DMX 512, RDM (PR 300C and PR 300W also offer Art-Net support) |
| Dimming Curves | • 5 selectable dimming curves |

## THERMAL MANAGEMENT

Operating Temperature
Temperature Control

- -5°C to 45°C
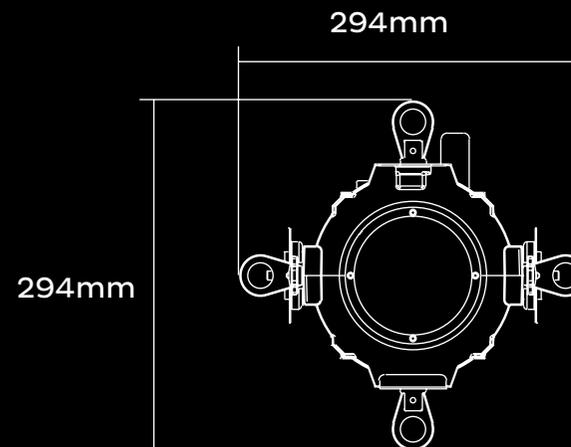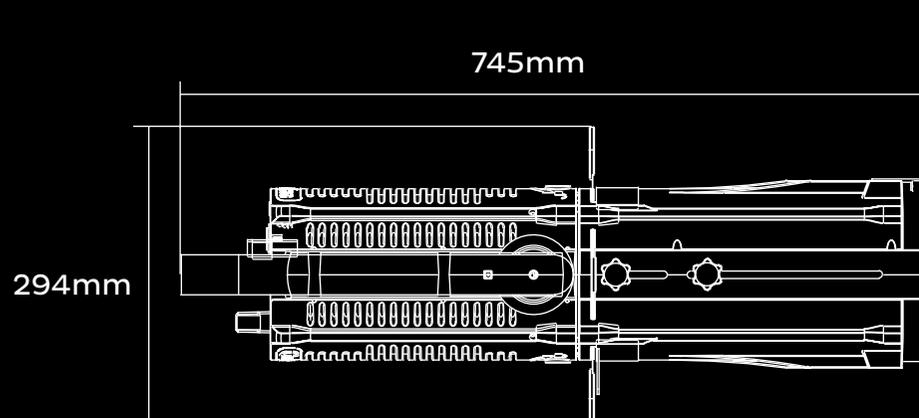- Intelligent temperature control for silent operation

## CONNECTIONS

Power Connections
DMX Connections

- PowerCon In/Out
- 3-pin and 5-pin XLR In/Out (male and female)

## ELECTRICAL

Input Voltage
Power Consumption

- AC 100–240V / 50–60Hz
- 300W

## PHYSICAL

Dimensions
Net Weight
Housing

Housing Color
IP Rating

- 745 x 294 x 294 mm
- 8.7 Kg (including lens)
- PR 300C / PR 300W: Metal/Plastic
- PR 300T: Plastic
- Black
- IP20

745mm

294mm

294mm

294mm

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www.cyclopslighting.com