

PR 300
DATASHEET



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 • PR 300W: 300W Warm White COB LED • PR 300T: 600W COB LED (300W WW + 300W CW)
Total Output (Light Output @ 2m @ 18°)	• PR 300C / PR 300W: 29,000 Lux • PR 300T: 14,000 Lux
LED Life Expectancy	• 50,000 Hours
Color Temperature	• PR 300C: 5600K • PR 300W: 3200K • PR 300T: 2800K – 6500K (Tunable)
CRI / TLCI	• PR 300C / PR 300W: CRI 97, R9 ≥ 90, TLCI 98 • 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 • 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	• -5°C to 45°C
Temperature Control	• Intelligent temperature control for silent operation

CONNECTIONS

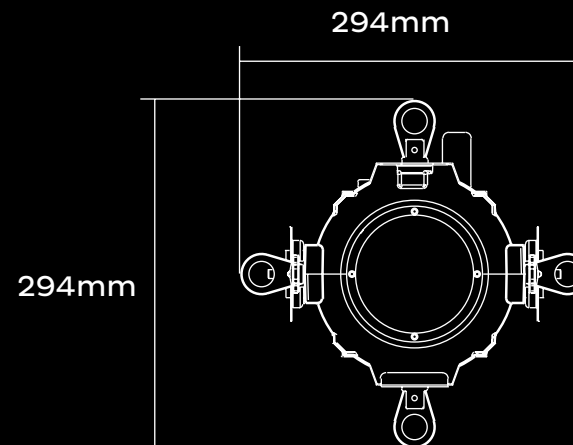
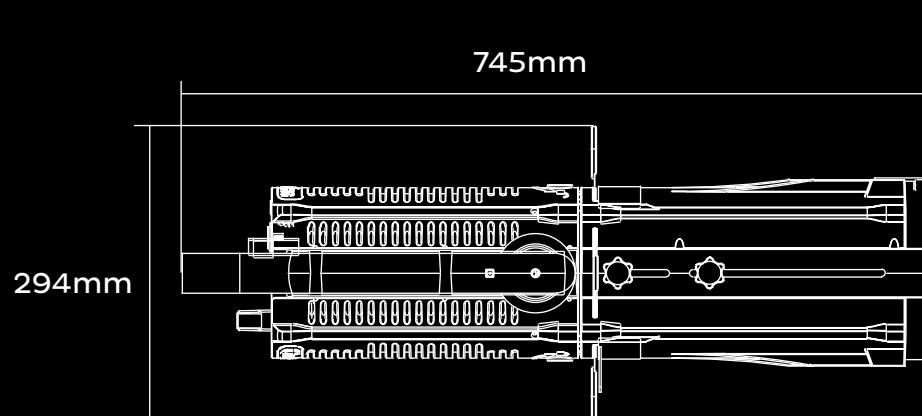
Power Connections	• PowerCon In/Out
DMX Connections	• 3-pin and 5-pin XLR In/Out (male and female)

ELECTRICAL

Input Voltage	• AC 100–240V / 50–60Hz
Power Consumption	• 300W

PHYSICAL

Dimensions	• 745 x 294 x 294 mm
Net Weight	• 8.7 Kg (including lens)
Housing	• PR 300C / PR 300W: Metal/Plastic • PR 300T: Plastic
Housing Color	• Black
IP Rating	• IP20





CYCLOPS
LIGHTING

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