

Profoto L1600D

Faster. Lighter. Brighter.



Overview

Kelvin	Measurement	Typical values
5600K	CRI (Re)	95
	TLCI	97
	TM-30 RF	92
	TM-30 RG	99
	SSI	74

Photometrics

Distance	Bare head ~65°	MaxiZoom reflector ~20°	MaxiZoom reflector ~50°	Boost reflector 12°
3m / 9.8 ft	5,000 lux	28,000 lux	11,000 lux	100,000 lux
5m / 16.4 ft	2,050 lux	12,500 lux	4,000 lux	43,000 lux
7m / 23 ft	1,200 lux	6,200 lux	2,000 lux	22,500 lux
10m / 33ft	650 lux	3,100 lux	1,000 lux	11,500 lux

Light source	Daylight LED
Color temperature	5600K
Green-Magenta Adjustment Range	No
CRI (Re)	95
TLCI	97
TM-30 RF (Average)	92
TM-30 RG	99
SSId	74
Beam Angle	65°
Tilt angle	360°
Dimming	0,1-100%
Dimming curves	Linear, Exponential, Logarithmic, S-curve
High speed capability	Flicker Free at any frame-rate (fps)
Accessory mount	Bowens S-Type with Profoto 100mm mount adapter
Fixture mount	Junior pin 1-1/8" stud, Swivel Yoke™
Operating voltage	100-240Vac / 50-60Hz
Max power / current consumption	Max 1600 Watt, Max 15 Amp
Control options	DMX/RDM, CRMX (integrated TimoTwo) Profoto Air, Profoto Control App
DMX ports	XLR 5 pin in/out
Wireless range (CRMX, Bluetooth, Profoto Air)	Up to 100m/300 feet
Cooling system	HydroCTech™ (water cooling, patent pending)
IP rating	IP-54
Operation temperature	-10 to +35°C/14-95°F
Weight	11.7 kg / 25.8 lbs including yoke
Dimensions	26 cm / 10.2 in, 50 cm / 19.6 in,
Warranty	2-years
Estimated LED lifespan	50,000 hours

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Competitor comparison

	Profoto L1600D	Nanlux 2400B	Arri M-18
Power	1,600	2,400	1,800
Weight	11,7kg/25,8lbs	28,6kg/63lbs	19,5kg/43lbs
CRI	97	97	90
TLCI	97	96	90
SSID	77	74	No data
Lux @5m with narrow reflector	49,000 lux	32,700 lux	45,000 lux
IP-rating	IP-54	IP-55	IP-20
Flicker free @8000fps	Yes	No	No
HSS flash	Yes	No	No
Integrated ballast	Yes	No	No

Power to weight ratio

Watts per kg

