

Specifications - Exterior 200

Physical

Length	301 mm (11.9 in) / 431 mm (17.0 in)
Width	310 mm (12.2 in)
Height	402 mm (15.8 in)
Weight	15 kg (33 lbs) / 16.6 kg (36.5 lbs)

Source

Lamp:	150W HIT
Approved models:	Philips CDM-SA/T, GE CMH 150, Osram HQI-R, Osram HSD150/70
Base:	GY 12

Control & Programming

Control options	DMX-512, stand-alone, host/client, Martin MC-X remote control
Receiver	RS-485
Setting and addressing	MP-2, DAD, MUM
Firmware update	Serial upload (MUF)
Stand-alone trigger options	Internal real-time clock with timer and light-level sensor
Stand-alone memory	20 scenes
Data input/output	1.8 m (5.9 ft) trailing cable w/ 3-pin XLR male & 3-pin XLR female
Data pin out.....	Pin 1 shield, pin 2 cold (-), pin 3 hot (+)
DMX channels	7

Dynamic effects

Cyan filter	0 - 100%
Magenta filter	0 - 100%
Yellow filter	0 - 100%
Dimmer	0 - 100%

Installation

Minimum distance to combustible materials	1 m (39 in)
Minimum distance to illuminated surfaces	0.5 m (20 in)

Thermal

Maximum ambient temperature	(T_a) 40° C (104° F)
Maximum surface temperature, steady state, $T_a = 40^\circ$	90° C (194° F)
Cooling	Convection

Maximum heat output

195 V @ 50/60 Hz	665 BTU/hour
210 V @ 50/60 Hz	716 BTU/hour
225 V @ 50/60 Hz	767 BTU/hour
245 V @ 50/60 Hz	836 BTU/hour
277 V @ 50/60 Hz	945 BTU/hour

* These measurements have a margin of error of +/- 10%

AC Supply

AC input	1.8 m (5.9 ft) trailing cable w/o cord cap
Power supply options	195/210/225/245/277 V, 50/60 Hz
Primary fuse	T 3.15 A, high I ² t, 250 V
Fuse F1	T 2A, 250 V
Fuse F2	T 2A, 250 V

Maximum power and current

195 V @ 50/60 Hz	210 W, 1.2 A
210 V @ 50/60 Hz	220 W, 1.1 A
225 V @ 50/60 Hz	200 W, 1.0 A
245 V @ 50/60 Hz	200 W, 0.9 A
277 V @ 50/60 Hz	200 W, 0.8 A

* These measurements have a margin of error of +/- 10%

Construction

Housing	extruded aluminum
Finish	anodized, natural aluminum color
Front glass	6 mm (0.24 in) anti-reflection coated
Mounting bracket	8 mm (0.3 in) anodized aluminum
Housing-to-bracket attachment	4 stainless steel M6 bolts, A2 DIN 933, 18.8
Protection factor	IP 65

Approvals



EU EMC	EN 55 015, EN 55 103-1, EN 61 547
EU safety	EN 60598-2-3, EN 60598-2-5
US safety	UL 1573, 4th Edition
Canadian safety	CSA C22.2 No. 166

Photometrics - Exterior 200

Efficiency	39%
Half peak angle	38°
One-tenth-peak angle	60°
Illuminance	12263/distance ² lux
Half-peak diameter	0.64 x distance m
One-tenth-peak diameter	0.99 x distance m
Measurement conditions	230V, 50Hz, no color applied
Measurement source	Philips CDM-SA/T 150W

Photometrics - Exterior 200 with beam-shaper lens

Efficiency	31%
Half peak angle	41° / 46° 0/90 degrees
One-tenth-peak angle	83° / 91° 0/90 degrees
Illuminance	5647/distance ² lux
Half-peak diameter	0.75 x distance m
One-tenth-peak diameter	1.38 x distance m
Measurement conditions	230V, 50Hz, no color applied
Measurement source	Philips CDM-SA/T 150W

Photometrics - Exterior 200 with Fresnel lens

Efficiency	38%
Half peak angle	21°
One-tenth-peak angle	34°
Illuminance	37721/distance ² lux
Half-peak diameter	0.35 x distance m
One-tenth-peak diameter	0.58 x distance m
Measurement conditions	230V, 50Hz, no color applied
Measurement source	Philips CDM-SA/T 150W

Photometrics - Exterior 200 with micro-diffuser lens

Efficiency	40%
Half peak angle	42°
One-tenth-peak angle	71°
Illuminance	10076/distance ² lux
Half-peak diameter	0.72 x distance m
One-tenth-peak diameter	1.17 x distance m
Measurement conditions	230V, 50Hz, no color applied
Measurement source	Philips CDM-SA/T 150W

Included items

User manual

Lamp: Philips CDM-SA/T 150 W

Accessories

Fresnel lens	P/N 91610022
Micro diffuser lens	P/N 91610024
Beam shaper lens	P/N 91610023
MC-X Controller, 220 - 245 V, 50 Hz	P/N 90718200
MC-X Controller, 110 - 120 V, 60 Hz	P/N 90718300
Philips CDM-SA/T 150 W lamp	P/N 97010111
Snoot/barndoor kit	P/N 91611031
Extensions to Snoot/barndoor kit	P/N 91611032
DAD, DMX Address Device	P/N 90758430
MUM, Multi Utility Manager	P/N 90758090
MP-2 Uploader	P/N 90758420

Ordering information

Exterior 200, 60°, 230V, 50Hz	P/N 90509000
Exterior 200, 60°, 245V, 50Hz	P/N 90509002
Exterior 200, 60°, 210V, 60Hz	P/N 90509004
Exterior 200 Long Barrel, 12°, 230V, 50Hz	P/N 90509020
Exterior 200 Long Barrel, 12°, 245V, 50Hz	P/N 90509022
Exterior 200 Long Barrel, 12°, 210V, 60Hz	P/N 90509024
Exterior 200 Long Barrel, 22°, 230V, 50Hz	P/N 90509040
Exterior 200 Long Barrel, 22°, 245V, 50Hz	P/N 90509042
Exterior 200 Long Barrel, 22°, 210V, 60Hz	P/N 90509044