

# 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, master/slave, 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<sub>a</sub>) 40° C (104° F)  
Maximum surface temperature, steady state, T<sub>a</sub> = 40° ..... 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<sup>2</sup>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

**Listings**

ETL, ETL, CE

## Photometrics - Exterior 200

Efficiency .....	39%
Half peak angle.....	38°
One-tenth-peak angle .....	60°
Illuminance.....	12263/distance <sup>2</sup> 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 <sup>2</sup> 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 <sup>2</sup> 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 <sup>2</sup> 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