

SPECIFICATIONS - EXTERIOR 200

Physical

Length	301 mm (11.5 in)
Width	310 mm (12.2 in)
Height	402 mm (15.8 in)
Weight	15 kg (33 lbs)

Installation

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

Construction

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

Thermal

Maximum ambient temperature (T_a)	40° C (104° F)
Maximum surface temperature, steady state, $T_a = 40°$	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 trailing cable w/o cord cap
Power supply options	100/120/210/230/250 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%

Source

Lamp	150 W discharge
Lamp base type	GY 12
Approved models	Philips CDM-SA/T, General Electric CMH, Osram HQI-R
Control	remote switchable

Control & Programming

Control options	DMX-512, Martin remote control, stand-alone, master/slave
Receiver	RS-485
Setting and addressing	Remote with uploader
Firmware update	Serial upload (MUF)
Stand-alone trigger options	Real-time clock with timer and light-level sensor
Stand-alone memory	20 scenes
Data in/out	1.8 m trailing cable with 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%

Ordering information

Exterior 200, 230V,50Hz	P/N 90509000
Exterior 200, 245V,50Hz	P/N 90509002
Exterior 200, 210V,60Hz	P/N 90509004

Included items

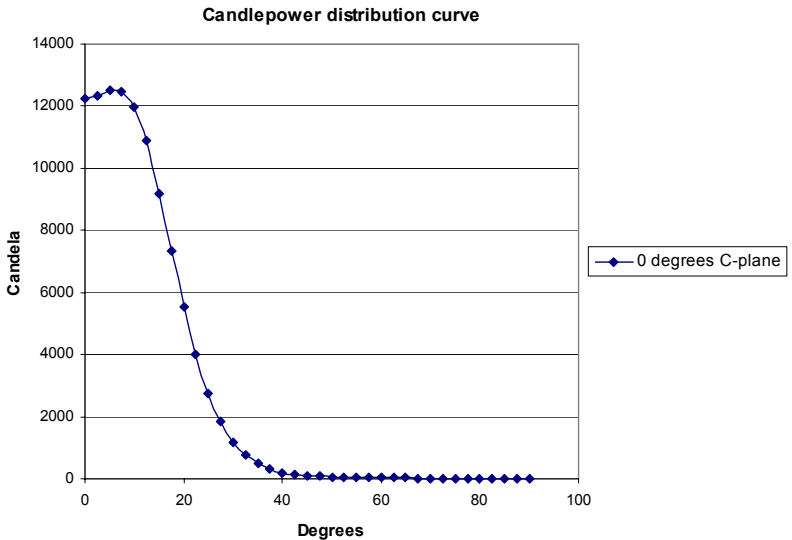
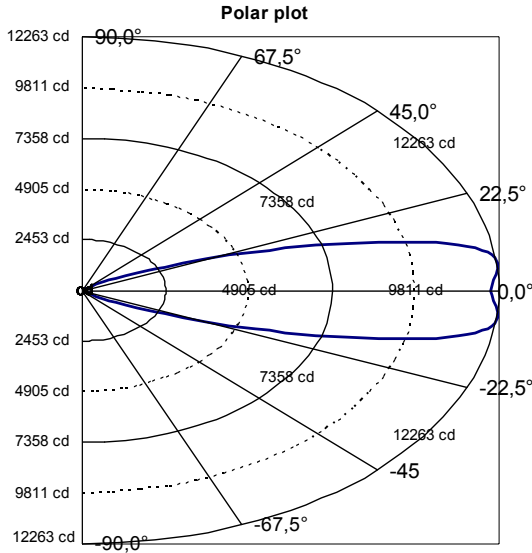
User manual	
Lamp	Philips CDM-SA/T 150 W "Master Color", 85 Lm/W, 6000 hr., 4000 K

Accessories

36° Fresnel lens	P/N 91610022
90° x 70° beam shaper lens:	P/N 91610023
Micro lens diffuser	P/N 91610024
MP-2 Uploader	P/N 90758420
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
Osram HQI-R 150W	P/N 97010101
Snoot/barndoor kit.	P/N 91611031
Extensions to Snoot/barndoor kit	P/N 91611032
DMX Address Device	P/N 90758430

Photometrics - Diffuser lens (fitted as standard)

Efficiency	39%
Half peak angle.....	38°
One-tenth-peak angle.....	60°
Illuminance12263/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



Illumination

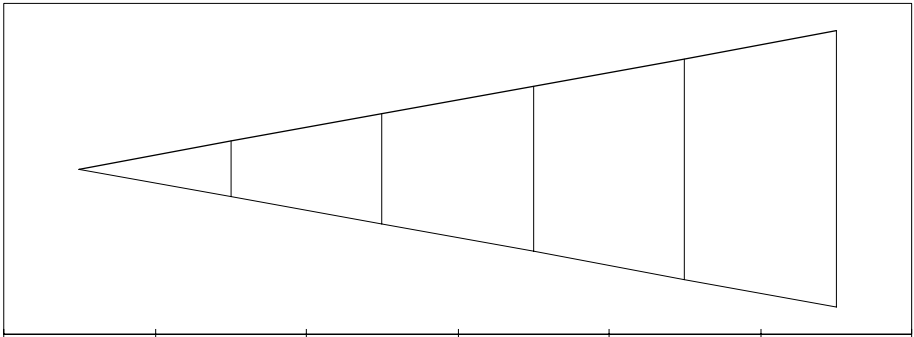
12263 lux

491 lux

123 lux

31 lux

14 lux



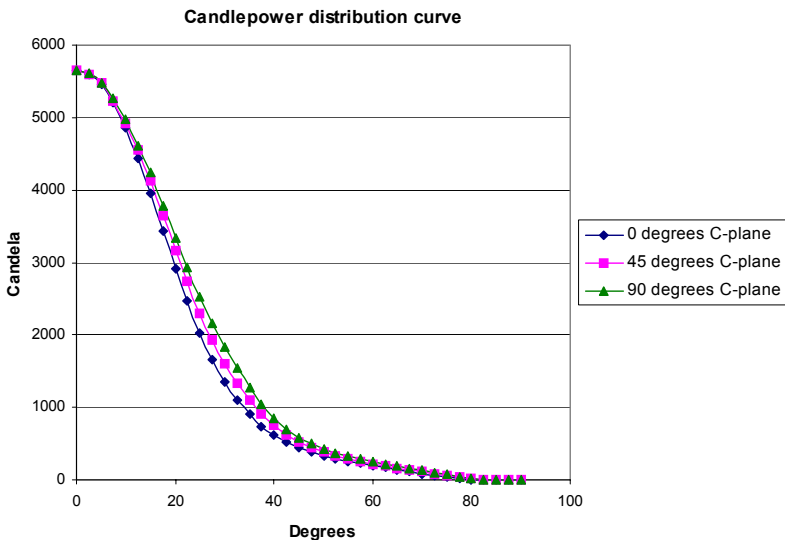
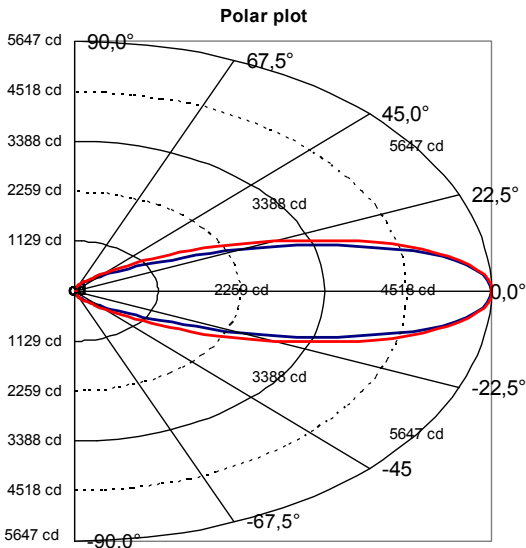
Distance	1 m	5 m	10 m	20 m	30 m
Field diameter 10%	1, m	4,9 m	9,9 m	19,7 m	29,6 m
Field diameter 50%	0,6 m	3,2 m	6,4 m	12,7 m	19,1 m

Distance/field diameter

** For conversion to imperial units, multiply meters by 3.28 to get feet, and Lux by 0.093 for get footcandles.*

Photometrics - Beam shaper lens

Efficiency	31%
Half peak angle41° / 46° 0/90 degrees
One-tenth-peak angle83° / 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



Illumination

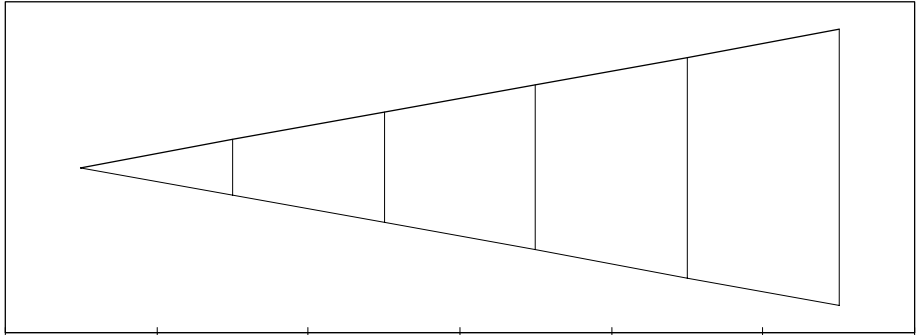
5647 lux

226 lux

56 lux

14 lux

6 lux



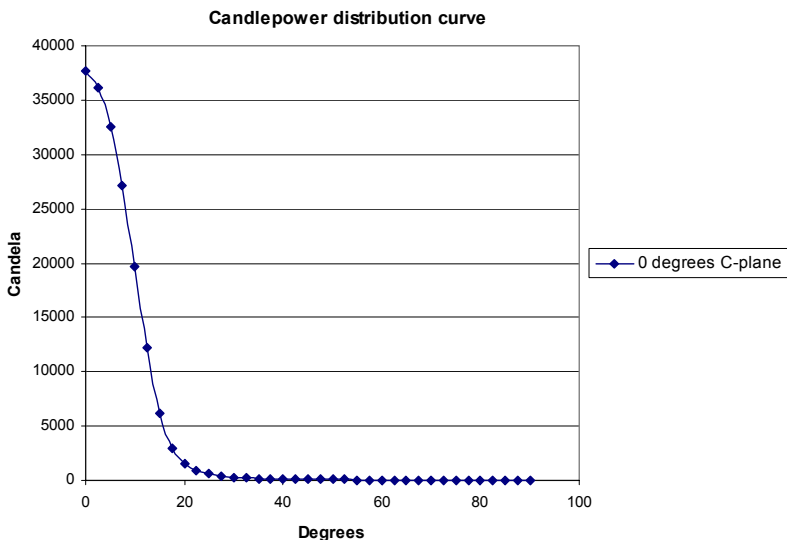
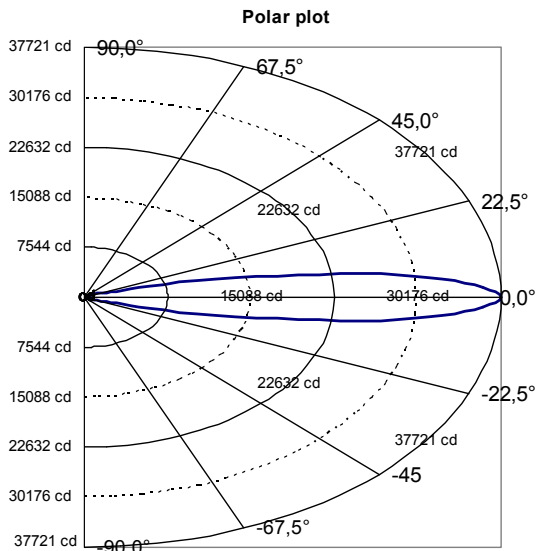
Distance	1 m	5 m	10 m	20 m	30 m
Field diameter 10%	1,4 m	6,9 m	13,8 m	27,6 m	41,4 m
Field diameter 50%	0,7 m	3,7 m	7,5 m	14,9 m	22,4 m

Distance/field diameter

** For conversion to imperial units, multiply meters by 3.28 to get feet, and Lux by 0.093 for get footcandles.*

Photometrics - Fresnel lens

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



Illumination

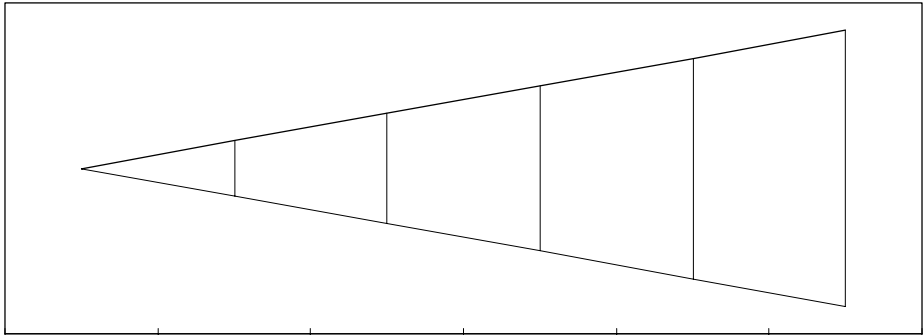
37721 lux

1509 lux

377 lux

94 lux

42 lux



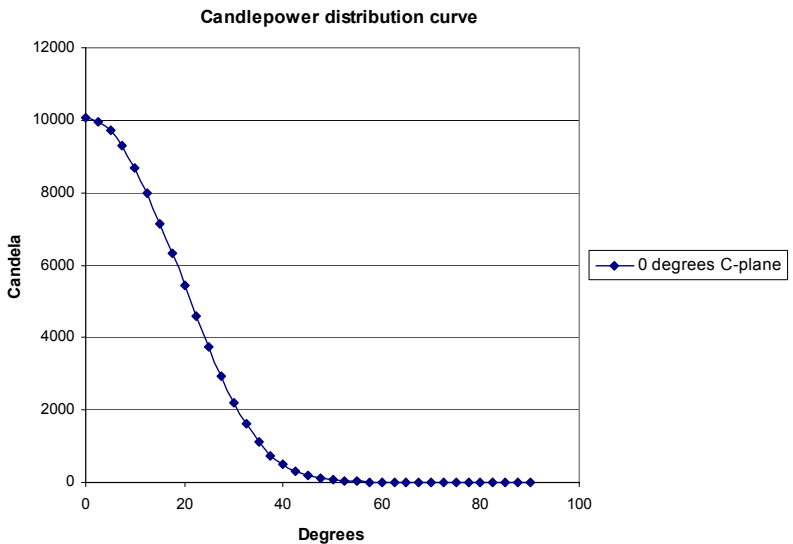
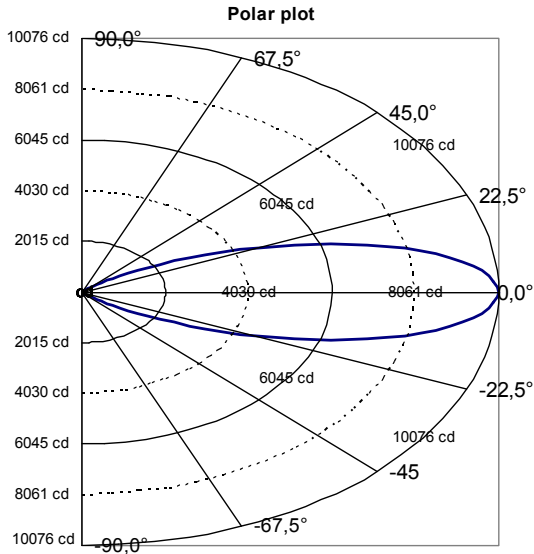
Distance	1 m	5 m	10 m	20 m	30 m
Field diameter 10%	0,6 m	2,9 m	5,8 m	11,6 m	17,3 m
Field diameter 50%	0,4 m	1,8 m	3,5 m	7,1 m	10,6 m

Distance/field diameter

** For conversion to imperial units, multiply meters by 3.28 to get feet, and Lux by 0.093 for get footcandles.*

Photometrics - Super-wide lens

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



Illumination

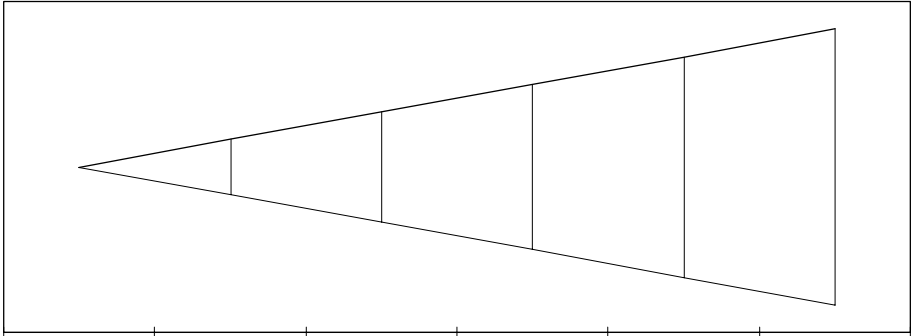
10076 lux

403 lux

101 lux

25 lux

11 lux



Distance	1 m	5 m	10 m	20 m	30 m
Field diameter 10%	1,2 m	5,9 m	11,7 m	23,4 m	35,1 m
Field diameter 50%	0,7 m	3,6 m	7,2 m	14,4 m	21,6 m

Distance/field diameter

** For conversion to imperial units, multiply meters by 3.28 to get feet, and Lux by 0.093 for get footcandles.*