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^2t, 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, host/client
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

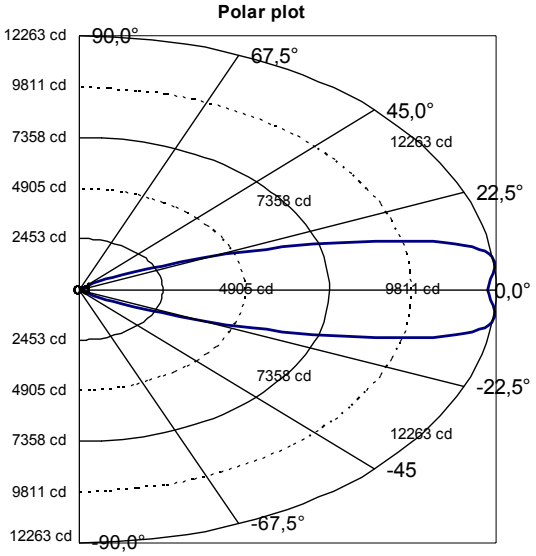
User manual
Lamp. . . . . Philips CDM-SA/T 150 W “Master Color”, 85 Lm/W, 6000 hr., 4000 K

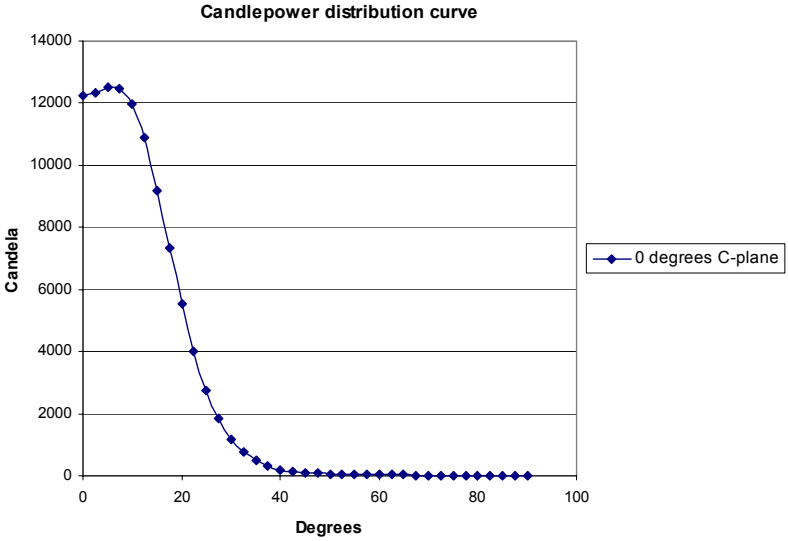
Accessories

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)

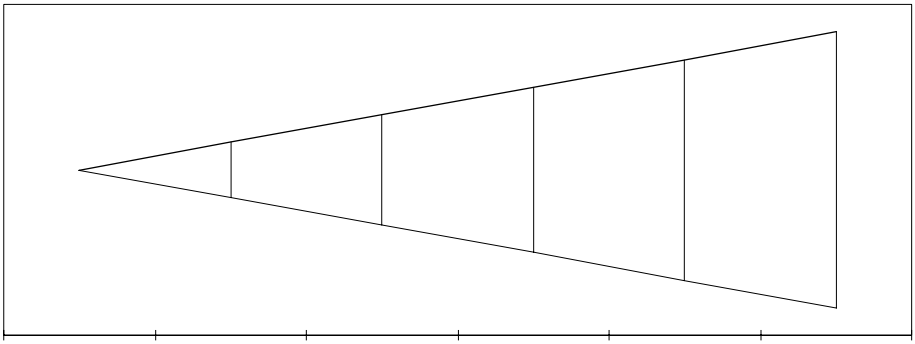
Efficiency	39%
Half peak angle	38º
One-tenth-peak angle	60º
Illuminance	12263/distance² lux
Half-peak diameter	0.64 x distance m
One-tenth-peak diameter	0.99 x distance m
Measurement conditions	230V, 50Hz, no color applied
Measurement source	Philips CDM-SA/T 150W





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

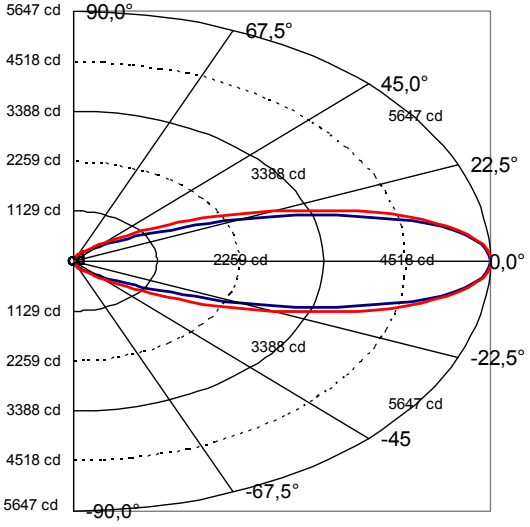
Distance/field diameter

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

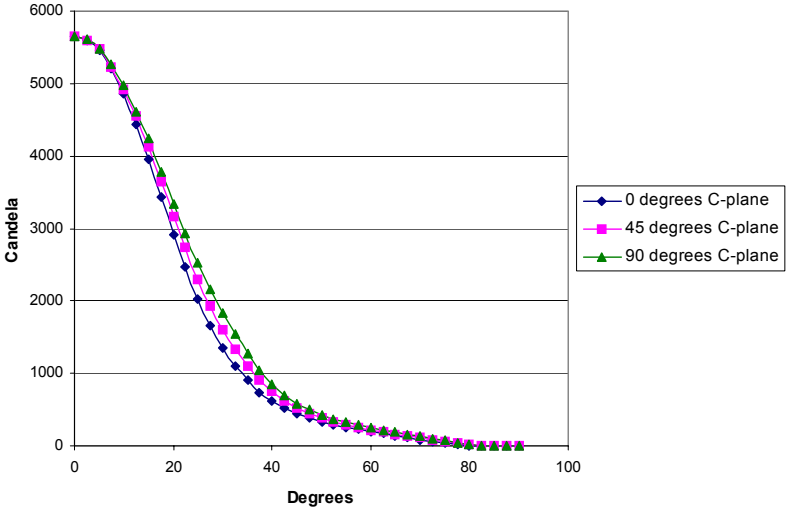
Photometrics - Beam shaper lens

Efficiency	31%
Half peak angle	41º / 46º 0/90 degrees
One-tenth-peak angle	83º / 91º 0/90 degrees
Illuminance	5647/distance² 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

Polar plot

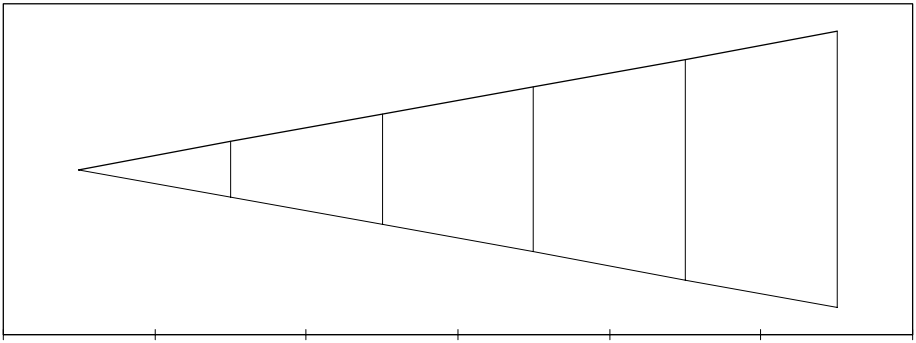


Candlepower distribution curve



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 diamter 50%	0,7 m	3,7 m	7,5 m	14,9 m	22,4 m

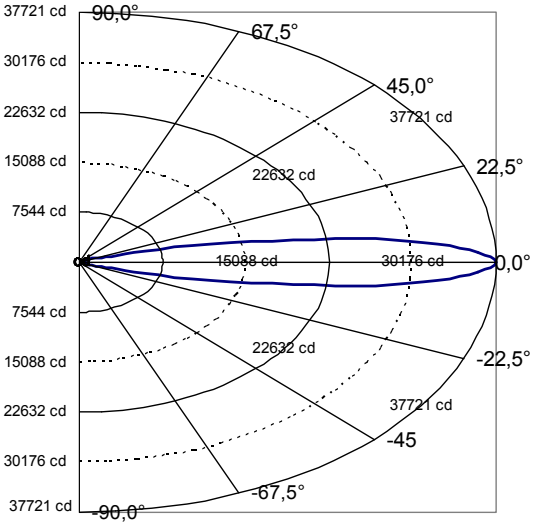
Distance/field diameter

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

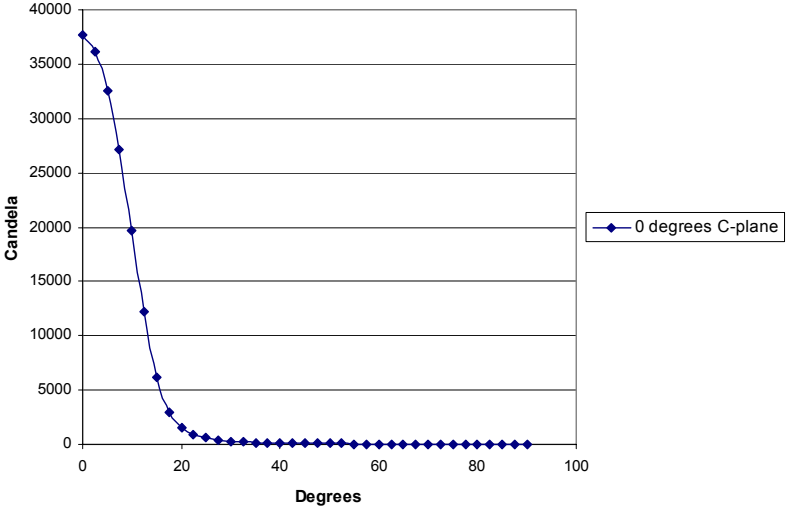
Photometrics - Fresnel lens

Efficiency	38%
Half peak angle	21º
One-tenth-peak angle	34º
Illuminance	37721/distance² 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

Polar plot

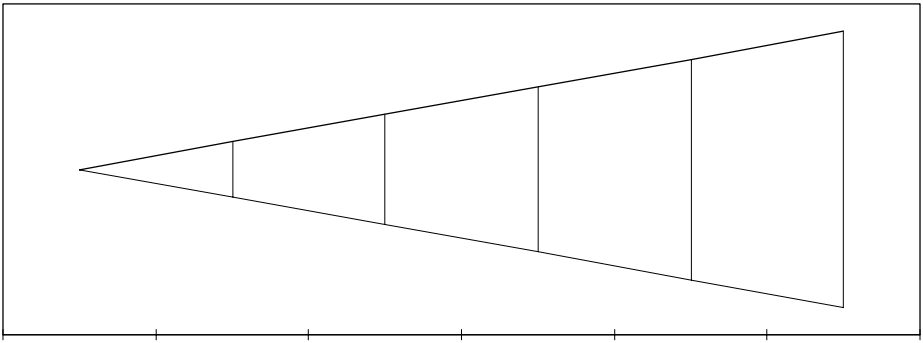


Candlepower distribution curve



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

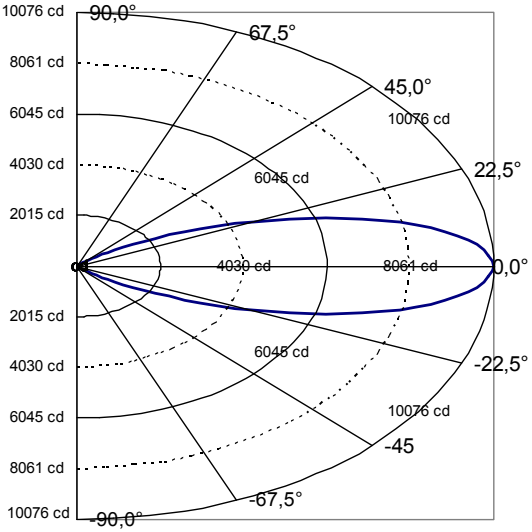
Distance/field diameter

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

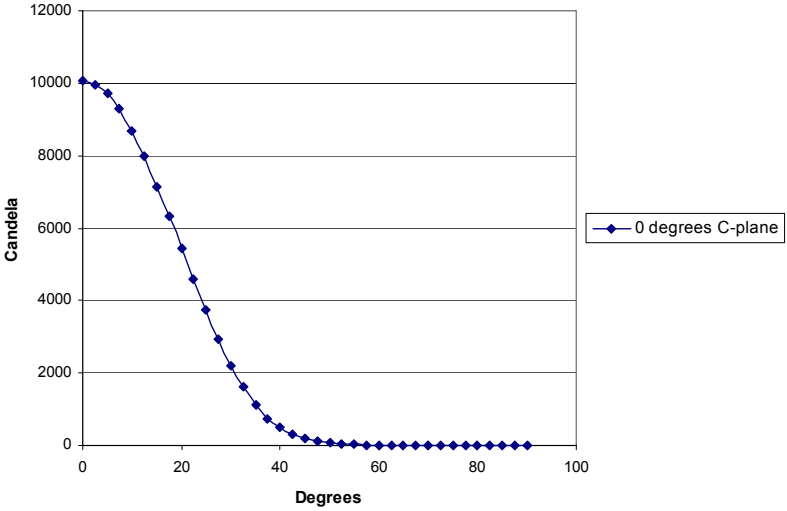
Photometrics - Super-wide lens

Efficiency	40%
Half peak angle	42º
One-tenth-peak angle	71º
Illuminance	10076/distance² 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

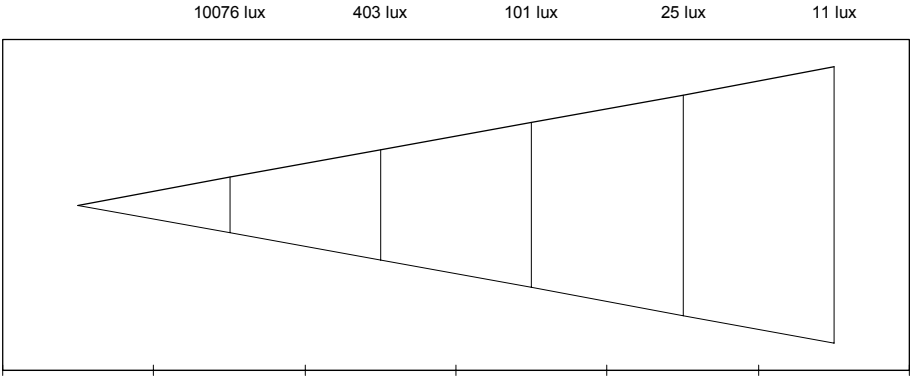
Polar plot



Candlepower distribution curve



Illumination



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.*