

Cyclo IP65 Specifications

Specifications subject to change

Physical

28 watt tube models

Cyclo IP65 02 analog, 28W tubes

L x W x H 1276 x 100 x 106 mm (50.3 x 3.9 x 4.2 in.)

Weight 3.8 kg (8.4 lbs)

Cyclo IP65 02 DMX, 28W tubes

L x W x H 1276 x 100 x 106 mm (50.3 x 3.9 x 4.2 in.)

Weight 4.4 kg (9.7 lbs)

Cyclo IP65 03 analog, 28W tubes

L x W x H 1276 x 100 x 106 mm (50.3 x 3.9 x 4.2 in.)

Weight 4.3 kg (9.4 lbs)

Cyclo IP65 03 DMX, 28W tubes

L x W x H 1276 x 100 x 106 mm (50.3 x 3.9 x 4.2 in.)

Weight 5.0 kg (11.0 lbs)

Cyclo IP65 04 analog, 28W tubes

L x W x H 1276 x 169 x 106 mm (50.3 x 6.7 x 4.2 in.)

Weight 5.8 kg (12.8 lbs)

Cyclo IP65 04 DMX, 28W tubes

L x W x H 1276 x 169 x 106 mm (50.3 x 6.7 x 4.2 in.)

Weight 7.2 kg (15.8 lbs)

54 watt tube models

Cyclo IP65 03 analog, 54W tubes

L x W x H 1276 x 169 x 106 mm (50.3 x 6.7 x 4.2 in.)

Weight 6.4 kg (14.1 lbs)

Cyclo IP65 03 DMX, 54W tubes

L x W x H 1276 x 169 x 106 mm (50.3 x 6.7 x 4.2 in.)

Weight 6.7 kg (14.8 lbs)

Source

Approved light source: Osram T5 28W or 54W fluorescent tubes,
according to model

Color authenticity Guaranteed to 10 000 hours

Average tube life 20 000 hours

Dynamic effects

Cyclo IP65 04

0-100% dimmable tubes. Daylight white (4000 K), red, green & blue

Cyclo IP65 03

0-100% dimmable tubes. Red, green & blue

Cyclo IP65 02

Color temperature control. 2700 - 6000 K

Control and programming

DMX models

Control method. USITT DMX 512 (1990)

Receiver RS-485

Setting and addressing. DIP switch

Data input/ output. Through-wired, cable in/out via IP68 cable gland

Number of DMX channels 4 (Cyclo IP65 04 DMX)

3 (Cyclo IP65 03 DMX)

2 (Cyclo IP65 02 DMX)

Stand-alone dynamic capability single and master/slave operation,
programmed via DIP switch

Analog models

Control method. Analog dimmer, 0-10 V positive, shared negative

Data input/ output. Through-wired, cable in/out via IP68 cable gland

Number of dimmer channels 4 (Cyclo IP65 04 analog)

3 (Cyclo IP65 03 analog)

2 (Cyclo IP65 02 analog)

If using Martin 516-II DMX to 0-10 V Converter:

Number of independently controllable dimming channels. 16

Channels required per independently controlled Cyclo 02 group 2

Channels required per independently controlled Cyclo 03 group 3

Channels required per independently controlled Cyclo 04 group 4

Number of Cyclos per group (wired in series) 1-10 (of same model)

Installation

Orientation Any

Minimum free space around luminaire 25 mm (1 inch)

Mounting options

Surface mounting

Wire suspension

90° tilt mounting bracket (available as accessory: see "Accessories" on
page 41)

Power

AC power (EU configuration) 200 - 250 V, 50 / 60 Hz
Main fuse (EU configuration) 1 AT, P/N 05020007
AC input Hard wired, cable entry via IP68 cable glands

Typical current and power

28 watt tube models

Cyclo IP65 02 analog, 28W tubes

Typical power and current @ 230 V, 50 Hz 0.28 A, 64 W

Cyclo IP65 02 DMX, 28W tubes

Typical power and current @ 230 V, 50 Hz 0.29 A, 65 W

Cyclo IP65 03 analog, 28W tubes

Typical power and current @ 230 V, 50 Hz 0.44 A, 98 W

Cyclo IP65 03 DMX, 28W tubes

Typical power and current @ 230 V, 50 Hz 0.45 A, 99W

Cyclo IP65 04 analog, 28 W tubes

Typical power and current @ 230 V, 50 Hz 0.52 A, 117 W

Cyclo IP65 04 DMX, 28W tubes

Typical power and current @ 230 V, 50 Hz 0.56 A, 128 W

54 watt tube models

Cyclo IP65 03 analog, 54W tubes

Typical power and current @ 230 V, 50 Hz 0.78 A, 179 W

Cyclo IP65 03 DMX, 54W tubes

Typical power and current @ 230 V, 50 Hz 0.80 A, 181 W

Allow for a deviation of +/- 10% from typical figures listed above.

Measurements made at nominal voltage. Local supply voltages can vary by +/- 10%.

Thermal

Maximum ambient temperature (T_a) 40° C (104° F)

Minimum ambient temperature

(starting from and dimming at 1% output possible) -20° C (-4° F)

Cooling Convection

Construction

Housing Polyester-reinforced composite

Front cover Unbreakable polycarbonate

Front cover clips Stainless steel

Protection factor IP65

Finish Cream

Approvals



European safety: EN 60598-1, EN 60598-2
EMC: EN 60555-3. EN 55015

Included items

User manual P/N 35000170
2 x rubber sealing washers for mounting screws

Osram T5 fluorescent tubes (installed) according to model:

Cyclo 02 28W models

Warm white (col. temp. 2700 K) T5 tube OSRAM T5 FH 28W/827
Daylight white (col. temp. 6000 K) T5 tube OSRAM T5 FH 28W/860

Cyclo 03 28W models

Red T5 tube OSRAM T5 FH 28W/60
Green T5 tube OSRAM T5 FH 28W/66
Blue T5 tube OSRAM T5 FH 28W/67

Cyclo 04 28W models

Cool white (col. temp. 4000 K) T5 tube OSRAM T5 FH 28W/840
Red T5 tube OSRAM T5 FH 28W/60
Green T5 tube OSRAM T5 FH 28W/66
Blue T5 tube OSRAM T5 FH 28W/67

Cyclo 03 54W models

Red T5 tube OSRAM T5 FQ 54W/60
Green T5 tube OSRAM T5 FQ 54W/66
Blue T5 tube OSRAM T5 FQ 54W/67

Cable fittings: DMX models

2 x M25 cable glands, IP68, metal, cable Ø 7-14 mm
2 x M16 cable glands, IP68, metal, cable Ø 3.5 - 10 mm
1 x M25 blanking plug, metal
1 x M16 blanking plug, metal
2 x flat neoprene seals for blanking plugs

Cable fittings: analog models

2 x M25 cable glands, IP68, polyamide, cable Ø 8-12 mm
2 x M16 cable glands, IP68, cable Ø 7-10 mm
1 x M25 blanking plug, polyamide
1 x M16 blanking plug, polyamide
4 x flat neoprene seals for blanking plugs / cable glands

Accessories

Mounting bracket, 90° tilt-adjustable, stainless steel:

100 mm (for Cyclo IP65 02 & Cyclo IP65 03 28W) P/N 91611232

169 mm (for Cyclo IP65 04 & Cyclo IP65 03 54W) P/N 91611233

Clear front cover:

100 mm (for Cyclo IP65 02 & Cyclo IP65 03 28W) P/N 91611228

169 mm (for Cyclo IP65 04 & Cyclo IP65 03 54W) P/N 91611230

Opal front cover:

100 mm (for Cyclo IP65 02 & Cyclo IP65 03 28W) P/N 91611229

169 mm (for Cyclo IP65 04 & Cyclo IP65 03 54W) P/N 91611231

120 Ohm, 0.25 W DMX termination resistor P/N 04150308

Martin 516 II DMX to 0-10V Converter P/N 90758225

Ordering information*

28 watt tube models

Analog models, 2 x 28 W tubes, 230 V, 50/60 Hz

Cyclo IP65 02 28 W C P/N 90561100

Cyclo IP65 02 28 W O P/N 90561101

DMX models, 2 x 28 W tubes, 230 V, 50/60 Hz

Cyclo IP65 02 28W DMX C P/N 90561000

Cyclo IP65 02 28W DMX O P/N 90561001

Analog models, 3 x 28 W tubes, 230 V, 50/60 Hz

Cyclo IP65 03 28 W C P/N 90562100

Cyclo IP65 03 28 W O P/N 90562101

DMX models, 3 x 28 W tubes, 230 V, 50/60 Hz

Cyclo IP65 03 28W DMX C P/N 90562000

Cyclo IP65 03 28W DMX O P/N 90562001

Analog models, 4 x 28 W tubes, 230 V, 50/60 Hz

Cyclo IP65 04 28 W C P/N 90563100

Cyclo IP65 04 28 W O P/N 90563101

DMX models, 4 x 28 W tubes, 230 V, 50/60 Hz

Cyclo IP65 04 28W DMX C P/N 90563000

Cyclo IP65 04 28W DMX O P/N 90563001

54 watt tube models

Analog models, 3 x 54 W tubes, 230 V, 50/60 Hz

Cyclo IP65 03 54W C P/N 90565100

Cyclo IP65 03 54W O P/N 90565101

DMX models, 3 x 54 W tubes, 230 V, 50/60 Hz

Cyclo IP65 03 54W DMX C P/N 90565000

Cyclo IP65 03 54W DMX O P/N 90565001

*C and O denote clear and opal front cover models