# Occhio

Mito volo 100 track
datasheet

Linear LED pendant luminaire with double-sided light output and length of 103 cm. There are two lighting effects to choose from: table (wide) is intended for the use over tables as the light is diffused widely both upwards and downwards, while room (narrow) is more suitable for suspended room luminaires as the light is tightly concentrated downwards and diffuses more widely upwards. The maximum suspension length is 350 cm, which can be adjusted during installation.

This version is for a three-phase Eutrac track (compatible with Erco and Zumtobel three-phase tracks, DALI compatible only with Eutrac) and connects to 230 V AC / 50 Hz mains voltage. The luminaire can be dimmed using a trailing-edge phase cut dimmer* or can be controlled using »touchless control«, Occhio air or DALI. The color temperature can be preset (2700 / 3000 / 3500 / 4000 K) or is continuously adjustable between 2700–4000 K (optional 2200 to 3500 K) using Occhio air or DALI.

ceiling

sensor position:
1 »touchless control« (up / down)
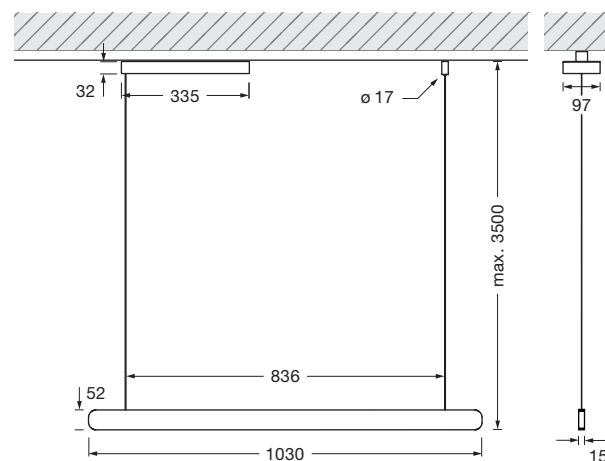
incl. power supply unit

dimensions in mm

technical data Mito volo 100 track

| properties	material	head aluminium painted or PVD-coated, optical plastic canopy painted plastic	
	height setting	500 – 3500 mm (can be adjusted during fitting)	
	weight	2.8 kg	
surface	head	bronze, matt gold, rose gold, matt silver, matt white, matt black, phantom, black phantom	
	canopy	matt white, matt black	
Occhio »color tune« LED	average life time	> 50.000 hrs	
	energy efficiency class (luminous efficiency)	G (66 lm / W)	
	power	LED 45 W (incl. Occhio power supply unit approx. 52 W, standby < 0.5 W)	
	color rendering index	high color; CRI Ra 95	
	color temperature (color consistency)	2700–4000 K (2-step)	2200–3500 K (2-step 2200 K, 3-step 3500 K)
electricity	dimming	via trailing-edge phasecut dimmer*, »touchless control«, Occhio air or DALI	
	connection	230 V AC / 50 Hz	
	power factor power supply (cos φ1)	0.9	
	flicker / stroboscopic effect	1 (PstLM) / 0.9 (SVM)	
	permitted operating conditions	max. 30°C for indoor use only	

* For a list of compatible dimmers, see www.occhio.com/dim_en, trailing-edge phasecut dimmer, »touchless control«, Occhio air and DALI not combinable

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Mito volo 100 track accessories

Cable rewind for conductor rail, winding of the right cable, no shortening necessary

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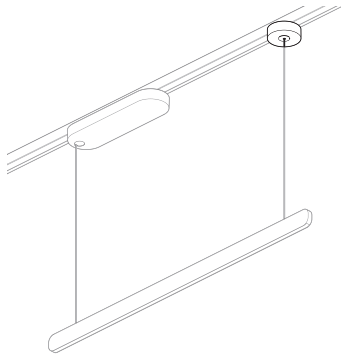
Mito volo 100 track
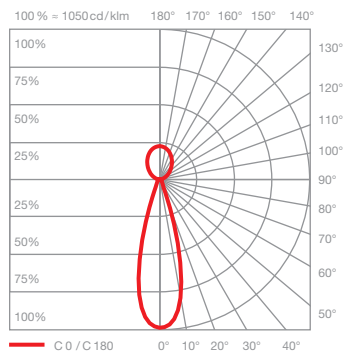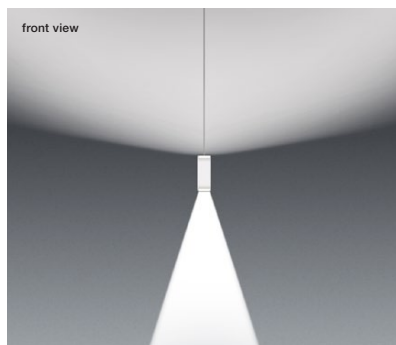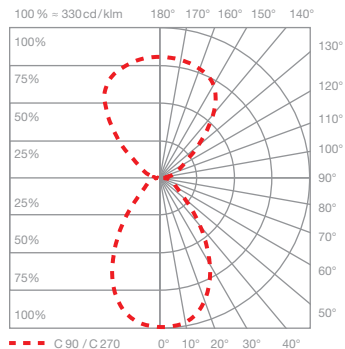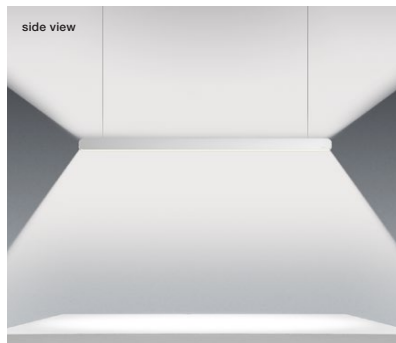## lighting effects

front view
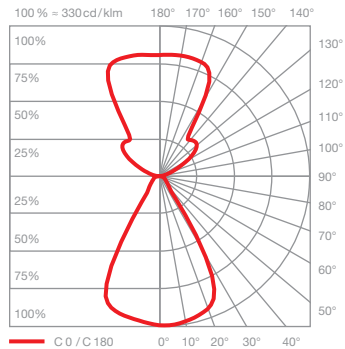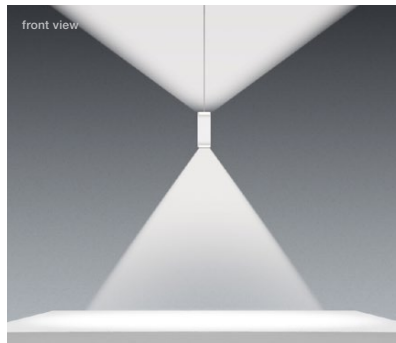
table (wide)
wide light beam (up and down), beam angle approx. 80° (down)

inserts:	wide / flood		
luminous flux:	high color	45 W	2900 lm

side view

UGR (4H8H) < 19 *

front view

room (narrow)
concentrated light downwards, beam angle approx. 25°, diffuse upwards

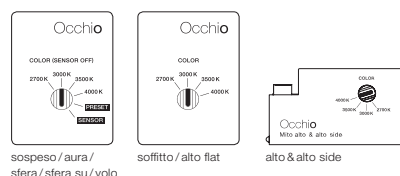| inserts:	narrow / diffuse		
luminous flux:	high color	45 W	2800 lm

side view

UGR (4H8H) < 19 *
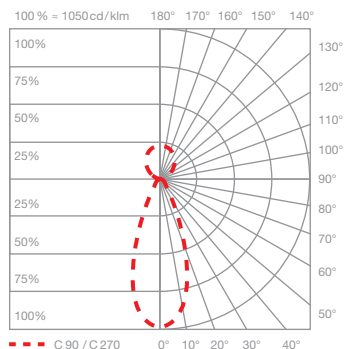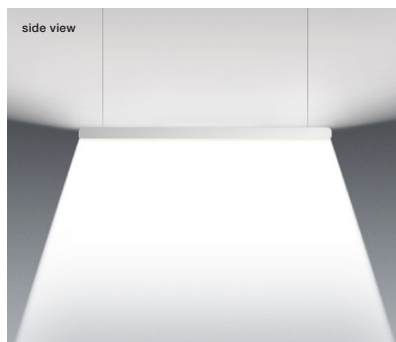
*For a reliable assessment of glare values in a real application of a luminaire we recommend to carry out an individual calculation which can be prepared by our lighting team (lightingdesign@occhio.de).

Occhio

control options

Control

Mito set box

sospeso / aura /
sfera / sfera su / volo

soffitto / alto flat

alto & alto side

sospeso / aura / sfera / volo:
COLOR (Sensor off)
adjustable color temperature (4 steps)
trailing-edge phase cut dimming possible

PRESET (sospeso / aura / volo)
adjustable color temperature (4 steps)
adjustable up / downlight ratio (5 steps)
trailing-edge phase cut dimming possible

PRESET (sfera)
color temperature adjustable (4 stages)
light intensity adjustable (5 stages)

SENSOR
»touchless control« (gesture control)
switching, dimming, up / down fading*
»color tune« (color temperature continuously
adjustable)
no external dimming possible

soffitto / alto / alto side:
COLOR
adjustable color temperature (4 steps)
trailing-edge phase cut dimming possible

*not with sfera

Mito »air« box
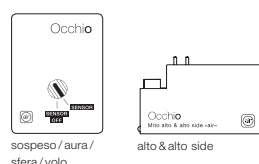
sospeso / aura /
sfera / volo

alto & alto side

terra / raggio / largo /
soffitto / alto flat

Occhio air (Bluetooth control using Occhio air app) or air controller (optional) control of individual luminaires, groups and scenes

sospeso / aura / sfera / volo:
SENSOR
»air« + »touchless control« (Bluetooth-
and gesture control)
control via »touchless control« and Occhio air app
or »air« controller

terra / largo / raggio:
»air«, »touchless control« and »body sensor«
(raggio / terra) (Bluetooth- and gesture control)
control via »touchless control«, »body sensor«
and Occhio air App or »air« controller

»ambient light control« (terra)
adjustment to ambient light

»presence sensor« (terra)
presence identification and automatically
shutdown by presence sensor

deactivation and adjustable via control
and sensor with »air« app

SENSOR OFF
»air«
control via Occhio air App or »air« controller
switching, dimming, up / down fading »color tune«
(color temperature continuously adjustable)

alto / alto side:
»air« (Bluetooth - control)
control via Occhio air App or »air« controller
switching, dimming
»color tune« (color temperature continuously
adjustable)

with Mito »air« box no external dimming possible

Mito DALI box (control via DALI)
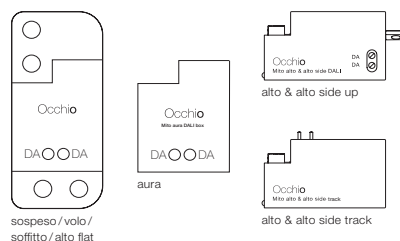
sospeso / volo /
soffitto / alto flat

aura

alto & alto side up

alto & alto side track

sospeso / aura / volo:
– color tune adjustable*
– adjust continuously dimming
– up + downlight seperate controllable
  (two DALI adresses needed)
– no »touchless control«, no fading

soffitto / alto / alto side:
– color tune adjustable*
– continuously dimming

* DALI controller DALI Device type 8 (DT8) for controlling of the color tune necessary further signs on www.occhio.com/dali

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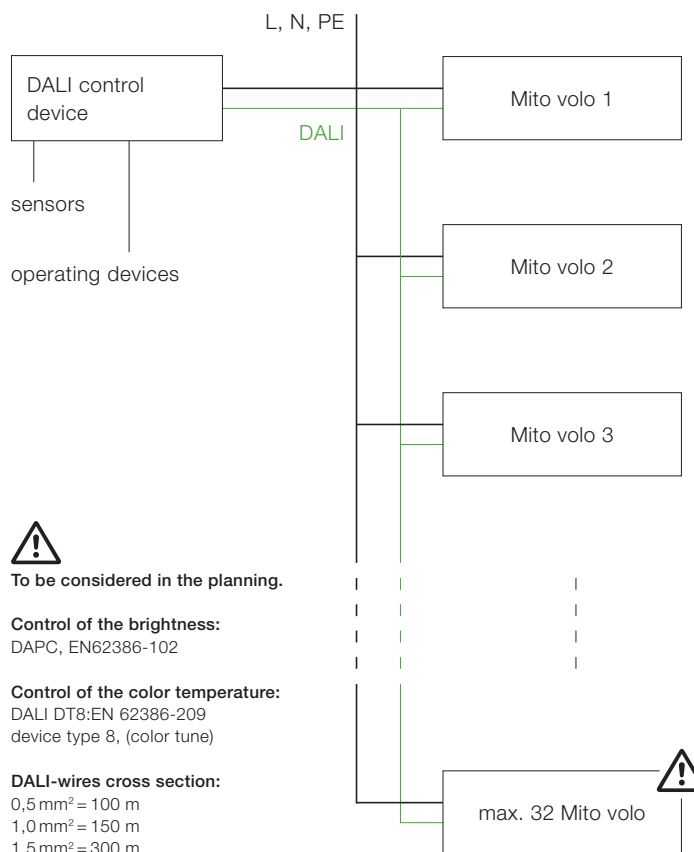## Mito volo 100 track
DALI connection diagram

A maximum of 32 Mito volo units can be assigned to each DALI circuit.

The Mito volo requires two DALI addresses per luminaire, which enables control of the top and bottom sides via their own respective DALI address. The maximum output is reached if both DALI luminaires (top and bottom side) are set to maximum brightness (45 W = 22 W up and 22 W down; 60 W = 30 W up and 30 W down).

The Mito volo units can be organized into as many as 16 groups and equipped with an additional 16 scenarios (predefined settings).

Using a DALI short address, they can be actuated and configured individually. In addition, the
bi-directional data transfer lets users query the state / status of individual luminaires.

You can find more detailed information at www.occhio.com/dali.

L, N, PE

DALI control device

DALI

sensors

operating devices

Mito volo 1

Mito volo 2

Mito volo 3

max. 32 Mito volo

⚠️ **To be considered in the planning.**

Control of the brightness:
DAPC, EN62386-102

Control of the color temperature:
DALI DT8:EN 62386-209
device type 8, (color tune)

DALI-wires cross section:
$0,5\,mm^2$ = 100 m
$1,0\,mm^2$ = 150 m
$1,5\,mm^2$ = 300 m

DALI mounting

The contacts of the in-trac DALI adapter and DALI track have to be aligned.

The mounting plate can be turned by 180 degrees so that the luminaire can be mounted in two different directions.

180 ° turnable