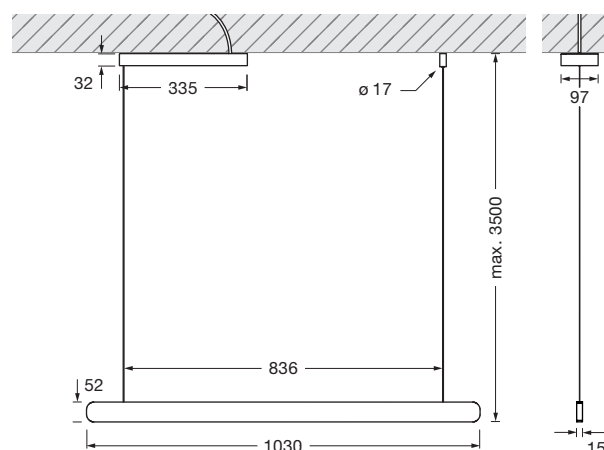


## Mito volo 100 fix up datasheet

Linear LED suspended luminaire with double-sided light emission and length of 103 cm. There is a choice of two lighting effects. table (wide) for use over tables – wide light beam directed downwards and upwards. room (narrow) for free-ly suspended luminaire lighting – concentrated light beam directed downwards, diffused light directed upwards. The suspension length is 50–350 cm (can be adjusted during fitting).

Version with integrated power supply unit for mounting on plaster surfaces; connection to 230 V AC mains voltage. Can be controlled via »touchless control« (gesture control on the head) and Occhio air or DALI; alternatively, dimmable via a trailing-edge phase cut dimmer\*. The colour temperature can be continuously controlled via »touchless control« or Occhio air or DALI from 2700 to 4000 K (optional 2200 to 3500 K) or can be preset (2700 / 3000 / 3500 / 4000 K).



incl. power supply unit

dimensions in mm

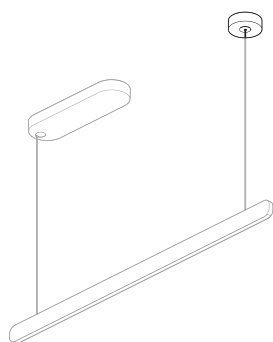
### technical data Mito volo 100 fix up

|                         |                                                  |                                                                                           |                                            |
|-------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------|
| properties              | material                                         | head aluminium, painted, PVD-coated steel, optical plastic<br>canopy painted plastic      |                                            |
|                         | height setting                                   | 500–3500 mm (can be adjusted during fitting)                                              |                                            |
|                         | weight                                           | 2.6 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<br>(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                                                             |                                            |

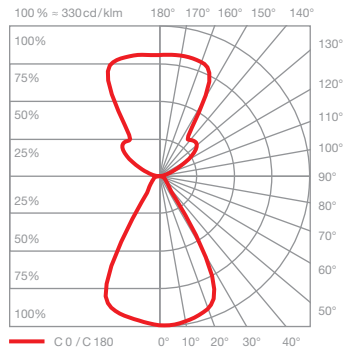
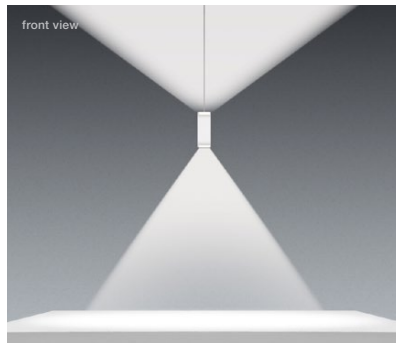
\* For a list of compatible dimmers, see [www.occhio.com/dim\\_en](http://www.occhio.com/dim_en), trailing-edge phasecut dimmer, »touchless control«, Occhio air and DALI not combinable

## Mito volo 100 fix up accessories

Cable rewind for solid ceiling, winding of the right cable, no shortening necessary



## Mito volo 100 fix up lighting effects



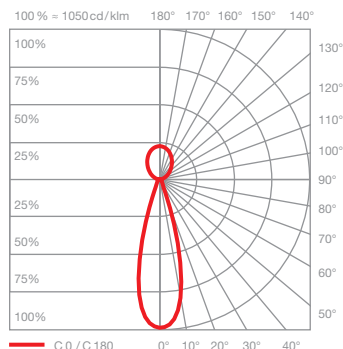
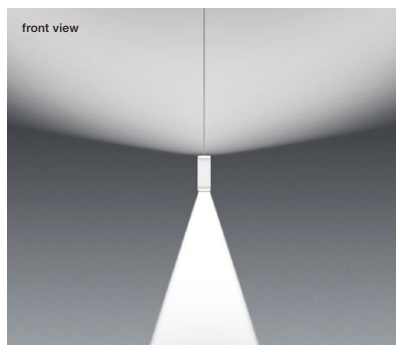
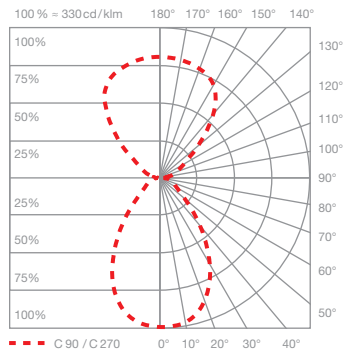
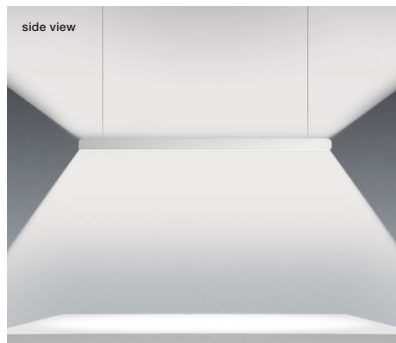
### table (wide)

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

inserts: wide / flood

luminous flux: high color 45 W 2900 lm

UGR (4H8H) < 19 \*



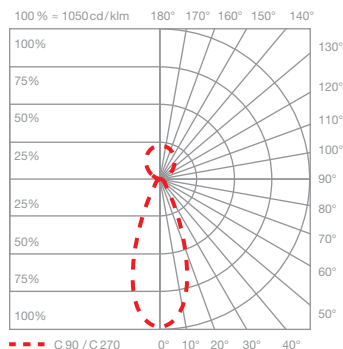
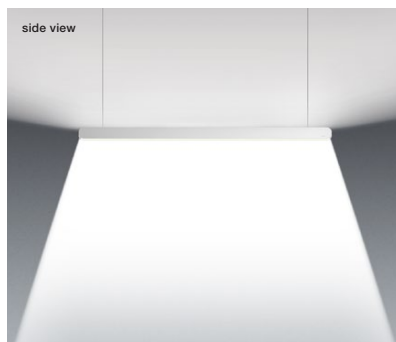
### room (narrow)

concentrated light downwards, beam angle approx. 25°, diffuse upwards

inserts: narrow / diffuse

luminous flux: high color 45 W 2800 lm

UGR (4H8H) < 19 \*

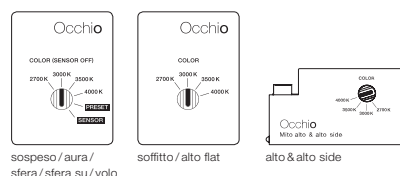


\* For a reliable assessment of glare values in a real application of a luminaire we recommend to carry out an individual calculation which can be prepared by our lighting team (lightingdesign@occhio.de).

## control options

### Control

#### Mito set box



sospeso / aura /  
sfera / volo 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

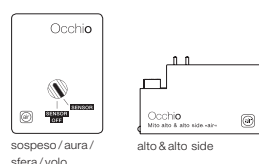
»touchless control« (gesture control)  
switching, dimming, up / down fading\*  
»color tune« (color temperature continuously adjustable)  
no external dimming possible

\*not with sfera

#### soffitto / alto / alto side:

COLOR  
adjustable color temperature (4 steps)  
trailing-edge phase cut dimming possible

#### 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

##### SENSOR OFF

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

#### 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

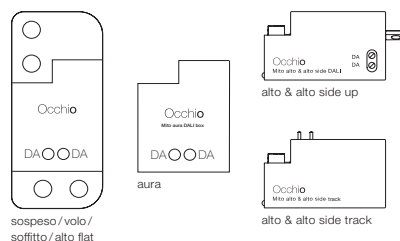
deactivation and adjustable via control and sensor with »air« app

#### 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 separate controllable (two DALI addresses 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](http://www.occhio.com/dali)

## Mito volo 100 fix up 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](http://www.occhio.com/dali).

