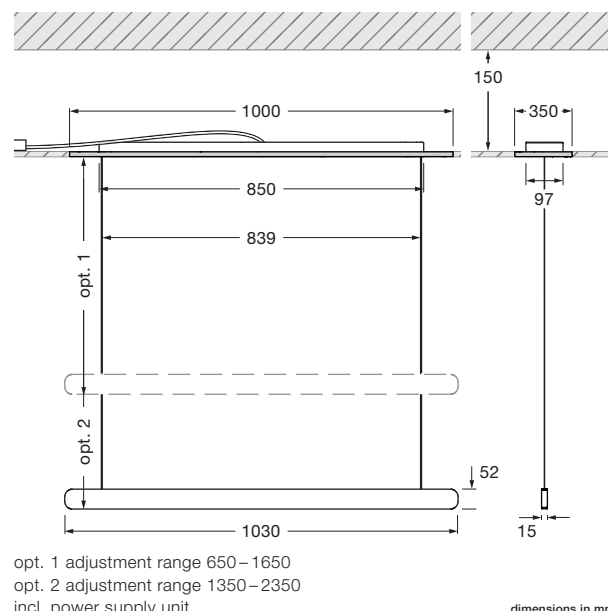


## Mito volo 100 var pure datasheet

Linear LED pendant luminaire with double-sided light output, available in the following lengths: 103 cm. There are two lighting effects to choose from: table (wide) is perfect for use over tables as the light is diffused widely both upward and downward, while (narrow) is more suitable for suspended room luminaires as the light is tightly concentrated downward and diffuses more widely upward. The suspension length is continuously adjustable between 65–165 cm.

The luminaire can be recess-mounted in hollow ceilings using the recessed mounting plate supplied. Luminaire incl. integrated power supply unit and connection to 230 V AC. The luminaire can be controlled using »touchless control« (gesture control at the head), Occhio air or DALI, or can be dimmed using a trailing-edge phase cut dimmer\*. The color temperature is continuously adjustable between 2700–4000 K (optional 2200 to 3500 K) or can be preset (2700/3000/3500/4000 K) using »touchless control«, Occhio air or DALI.

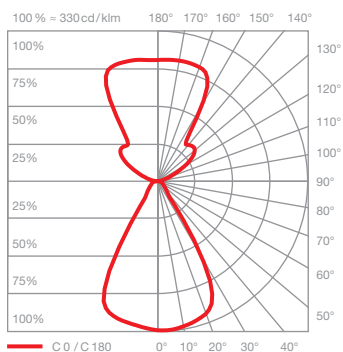


### technical data Mito volo 100 var pure

properties	material	head aluminium painted or PVD-coated, optical plastic canopy painted plastic plasterboard reinforced plasterboard
	height adjustment	option 1 650 – 1650 mm (variable) / option 2 1350 – 2350 mm (variable)
	weight (luminaire + plasterboard)	3.8 kg + 4.5 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](http://www.occhio.com/dim_en), trailing-edge phasecut dimmer not combinable with »touchless control«, Occhio air and DALI

## Mito volo 100 var pure lighting effects



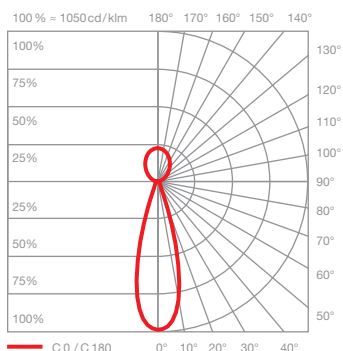
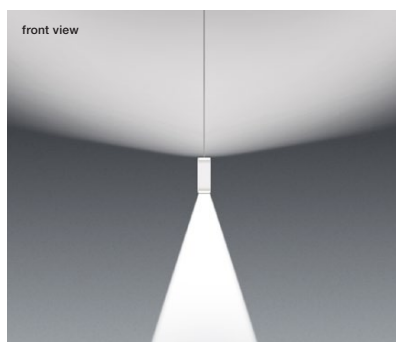
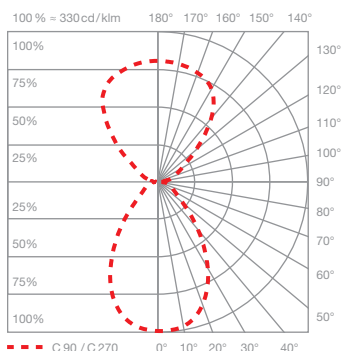
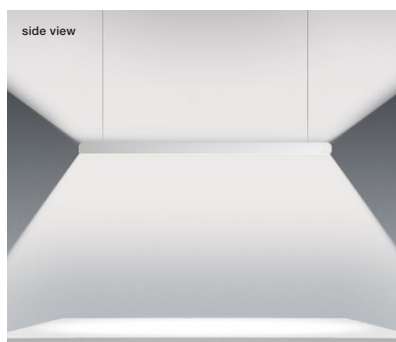
### table (wide)

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 \*



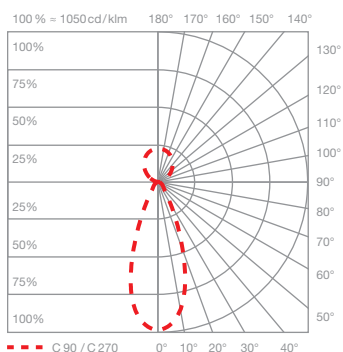
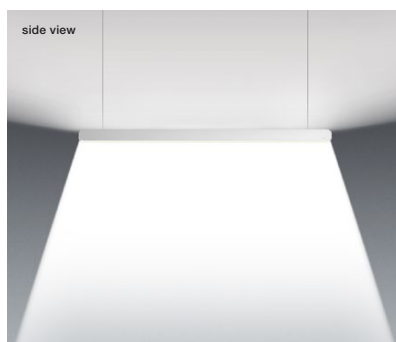
### room (narrow)

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

inserts: narrow / diffuse

luminous flux: high color 45 W 2800 lm

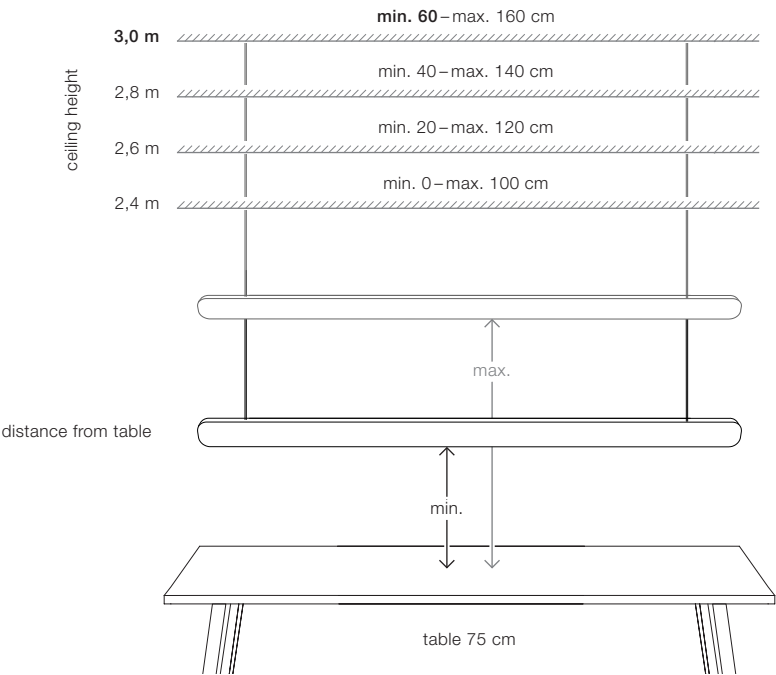
UGR (4H8H) < 19 \*



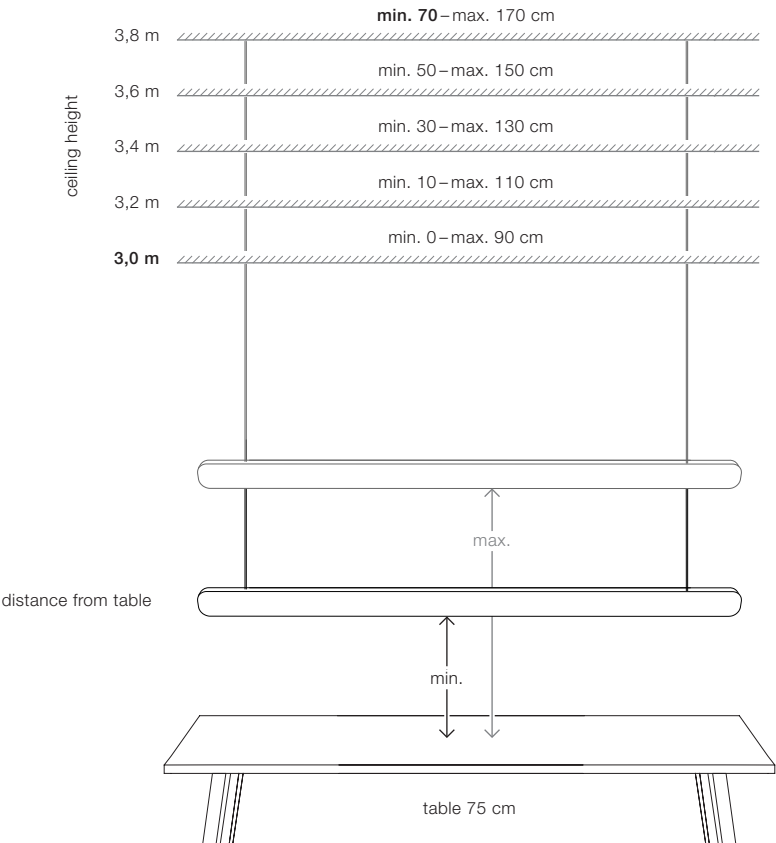
\* For a reliable assessment of glare values in a real application of a luminaire we recommend to carry out an individual calculation which can be prepared by our lighting team (lightingdesign@occhio.de).

Mito volo 100 var pure  
pendulum length

**Option 1** adjustment range **65–165 cm**  
recommended with a **ceiling height** from  
**2,4 m** to **3,0 m**



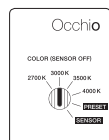
**Option 2** adjustment range **135–235 cm**  
recommended with a **ceiling height** from **3,0 m**  
to **3,8 m**



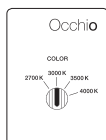
## control options

### Control

#### Mito set box



sospeso / aura /  
sfera / sfera su / volo



soffitto / alto flat /  
aura alta



alto & alto side

#### sospeso / aura / sfera / volo:

COLOR (Sensor off)  
adjustable color temperature (4 stages)  
trailing-edge phase cut dimming possible

PRESET (sospeso / aura / volo)  
adjustable color temperature (4 stages)  
adjustable up / down light intensity (5 stages)

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 / aura alta:

COLOR  
adjustable color temperature (4 stages)  
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 / aura alta



**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« (largo / raggio / terra)  
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 / aura alta:

»air« (Bluetooth - control)  
control via Occhio air App or »air« controller  
switching, dimming »color tune« (color tempera-  
ture continuously adjustable), up / down fading  
(aura alta)

with Mito »air« box no external dimming possible

#### Mito DALI box (control via DALI)



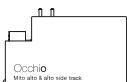
sospeso / volo /  
soffitto / alto flat



aura / aura alta



alto & alto side up



alto & alto side track

#### sospeso / aura / aura alta / 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 var pure 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).

