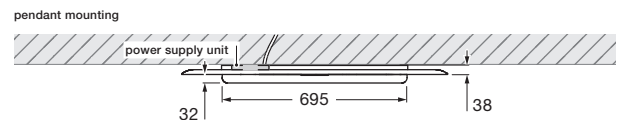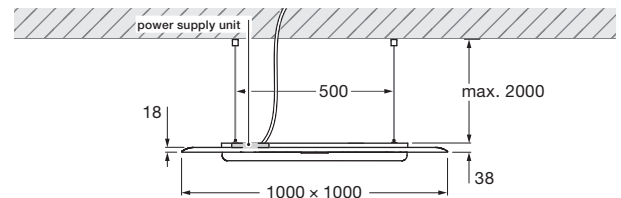## Mito alto 70 acoustic
datasheet

Square acoustic panel measuring 100 × 100 cm to mount directly on the ceiling or suspend using wire cable (maximum of 200 cm). The polyester fleece panel (with exchangeable stretch material) offers excellent sound absorption qualities that significantly reduce reverberation time in the room, thus improving the acoustics there. Creating a new visual layer also makes it possible to give the room a different look without having to resort to a suspended ceiling. The panel is suitable for the linear LED ceiling luminaire Mito alto 70 with single-sided light output. There are two lighting effects to choose from: narrow — tightly concentrated, glare-free light to ensure perfect illumination for every use and the lighting effect wide — expansive light for diffuse brightening of rooms and surfaces. The luminaire can be dimmed with a trailing-edge phase cut dimmer* or, alternatively, controlled with the help of Occhio air or DALI. To be connected to 230-volt AC power supply; see connection accessories. The color temperature is infinitely variable between 2700 and 4000 kelvins using Occhio air or DALI or with preset values (2700, 3000, 3500 or 4000 kelvins).

pendant mounting

ceiling mounting   dimensions in mm
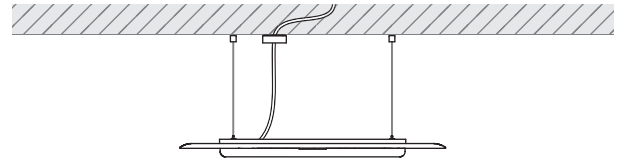
technical data Mito alto 70 acoustic

properties	material	polyester fleece, aluminium, painted, PVD-coated steel, optical plastic
	degree of absorption panel	0.85 α
	height setting panel	max. 2000 mm (can be adjusted during fitting)
	weight panel / luminaire	5.3 kg / 1.6 kg
surface	head	bronze, matt gold, rose gold, matt silver, matt white, matt black, phantom, black phantom
	panel	white
	wire suspension	matt white, matt black
Occhio »color tune« LED	average life time	> 50.000 hrs
	energy efficiency class (luminous efficiency)	G (52 lm / W)
	power	LED 30 W (incl. Occhio power supply unit approx. 36 W, standby < 0.5 W)
	color rendering index	high color; CRI Ra 95
	color temperature (color consistency)	2700–4000 K (2-step)
electricity	dimming	via trailing-edge phasecut dimmer *, 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.de/dim_en, trailing-edge phasecut dimmer, Occhio air and DALI not combinable
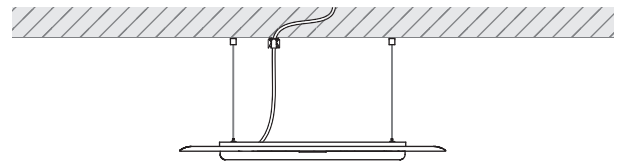
Mito alto 70 acoustic
accessories

Cable box incl. 3-pin cable or optionally with 5-pin cable for DALI, connection to 230 V AC / 50 Hz mains voltage.

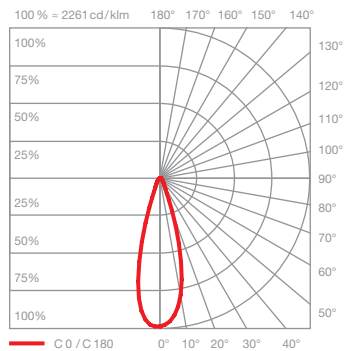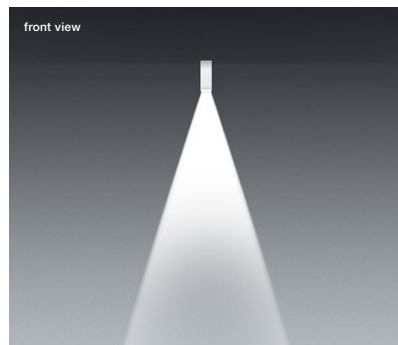**surface matt white, matt black**
cable length 2 m

Trac adapter for 3-phase Erco-, Zumtobel- or Eutrac-bus-bar, connection to 230 V AC / 50 Hz mains voltage. (DALI optional only Eutrac)
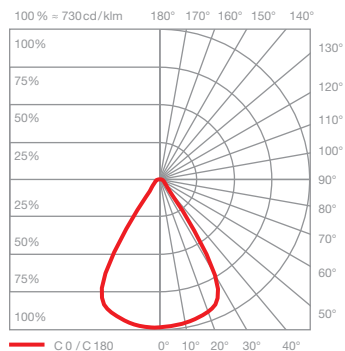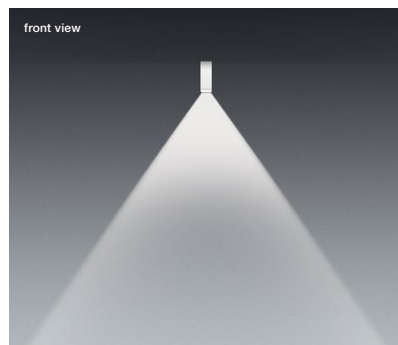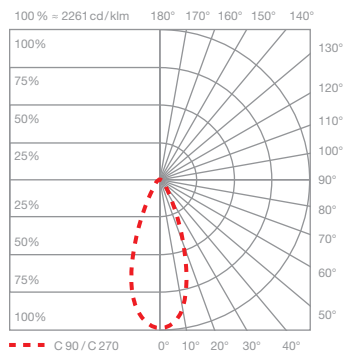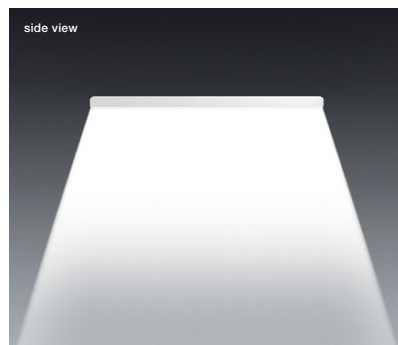
surface matt white, matt black
cable length 2 m

Occhio

Mito alto 70 acoustic lighting effects

front view

100 % = 2261 cd/klm

C 0 / C 180

ceiling (narrow)
concentrated light, beam angle approx. 25°

inserts: narrow

luminous flux: high color 30 W 1600 lm

side view

100 % = 2261 cd/klm

C 90 / C 270

UGR (4H8H) < 19 *

front view

100 % = 730 cd/klm

C 0 / C 180
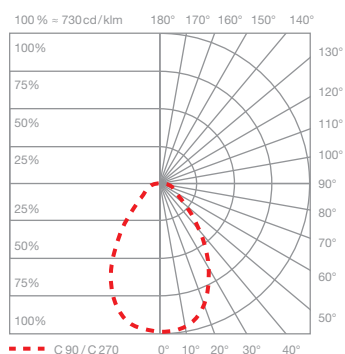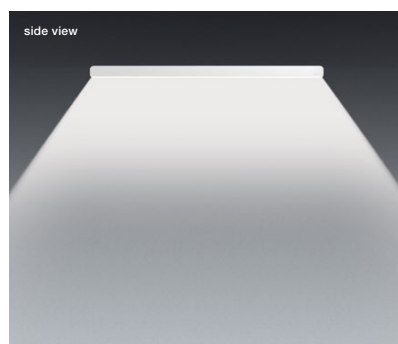
ceiling (wide)
wide-radiation light, beam angle approx. 80°

inserts: wide

luminous flux: high color 30 W 1600 lm

side view

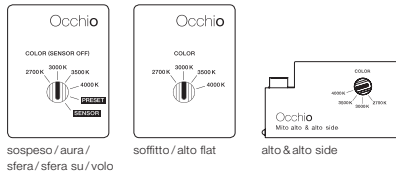100 % = 730 cd/klm

C 90 / C 270

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 (project-support@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)
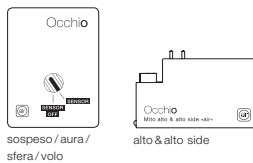light intensity adjustable (5 stages)

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

(air) **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«
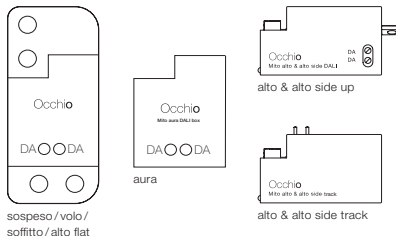and Occhio air App or »air« controller

»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

Mito alto 70 acoustic
DALI connection diagram

A maximum of 64 Mito alto units can be assigned to each DALI circuit.

The Mito alto 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

Mito alto 1

sensors

operating devices

Mito alto 2

Mito alto 3

⚠️
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, (2700K – 4000 K)

DALI-wires cross section
0,5 mm² = 100 m
1,0 mm² = 150 m
1,5 mm² = 300 m

⚠️
max 64 Mito alto