



NORMALIT

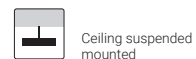
Trazzo

Avant

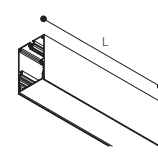
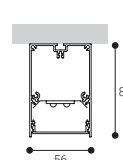
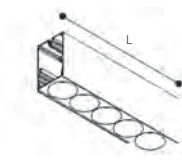
Trazzo Avant



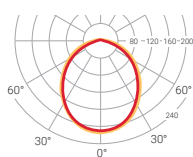
Ceiling surface mounted



Ceiling suspended mounted

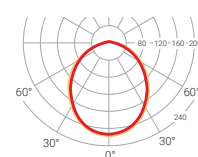


Without diffuser



— C0-C180
— C90-C270 $\eta=82\%$

Opal diffuser



— C0-C180
— C90-C270 $\eta=54\%$

TRAZZO AVANT is a linear system for surface or suspended installation. Made of extruded aluminium, it is available in pieces of 1125 and 1685 mm long. The new LED multi reflector system improves the visual confort of the luminaire.

LED CE



SALUZ®

Trazzo Avant

Structures

saLuz®

Versions: ● ●

Trazzo Avant

Installation	Ceiling suspended mounted Ceiling surface mounted
Diffuser	<input type="radio"/> <input type="radio"/>
Light source	LED
Photobiological safety	0
UGR	16 22
CRI	>80
MacAdam ellipse	3
Beam angle range	77 100
Power range (W)	24-64
Consumption range (W)	24,8-62,7
Colour temperature (°K)	3000 4000
Light range	3380-9000
Power factor	0,95
Efficiency (%)	54,2 68,75
Expectancy	50000 h L70B10 60000 h L70B10
DALI Option	✓
Continuous function 24h	✓
IP	30
Class	I

Without diffuser Opal diffuser

Versions

saLuz® **Self-contained**

This version makes it possible to modify circadian cycles from Normalink in remote, and also to adapt them to the specific needs of the project.

saLuz® **Tunable white**

COMPATIBLE WITH NORMALINK

This version makes it possible to modify circadian cycles from Normalink in remote, and also to adapt them to the specific needs of the project.

Trazzo Avant

Structures

Accessories

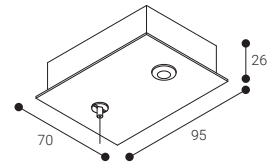
Suspension accessory

	L (m)
1029L2	2
1029L4	4



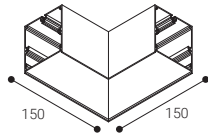
Connection box and power supply cable

	COLOUR
ETC1029B	○
ETC1029N	●
ETC10295PB	○
ETC10295PN	●



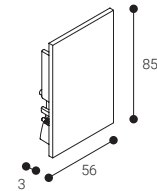
Elbow union accessory

	COLOUR
TZ50006B	○
TZ50006N	●



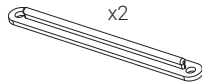
End cover

	COLOUR
TX016B	○
TX016N	●



Joining accessory

	COLOUR
TZ500014	●



Without diffuser



Opal diffuser



Photobiological security

The European Norm for photobiological security (EN 62471) establishes a number of criteria to determine if a luminaire entails any risk of eye or skin damages.

This regulation determines four photobiological risk groups:

GROUP OF RISK	
RG0	Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

* Time under 3 h.

Flickering

Also known as **periodical blinking or the light source of a luminaire** (stroboscopic effect), it is present in almost all the artificial light sources and is caused by the looping out of the output current in the LED driver.

This rate below makes it possible to measure the significance of the problem:

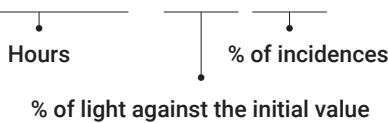
- A flickering under 15% prevents dizziness, nausea and headaches.
- Under 8% this flickering is not considered to be harmful (according to IEEESA-1789-2015).



Led expectation

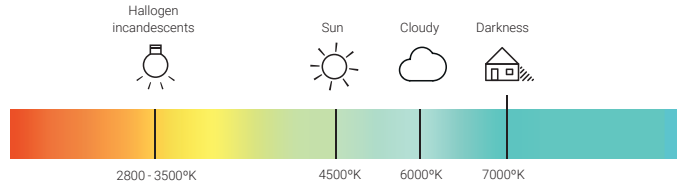
The expectation of useful life of the LED has been defined by an indicator such as the one shown at the right of this page. In the mentioned example, at 60,000h, 90% of the luminaires will have an output equal to or greater than 70% of the nominal value.

60.000 h · L70 B10



Colour temperature

The colour emitted by a light source in comparison with the light that a black body heated at a specific temperature would emit. For this reason, this colour temperature is expressed in kelvin, in spite of not reflecting specifically a temperature. There are basically three groups:



Warm light

3500°K or lower temperature colour.

It is equivalent to the light produced by incandescent and hallogen lamps in the past. It is recommendable for retail stores, fruit shops, bakeries, groceries and butcheries (in these two latests it is even more common a light in a pink tone). For domestic lighting it is recommended to use this type of light in rooms such as the living room or the bedrooms, places for **rest and relax**.

Neutral light

Temperature ranges from 3800°K and 4500°K.

According to the experts this is the most natural light. It can be installed in any environment not requiring any special tone that the other two categories could provide.

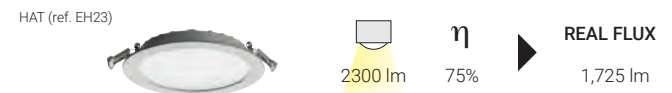
Cold light

Colour temperatures above 5000°K.

It is equivalent to the light in a very sunny or cloudy day. One of the advantages of the cold light is the higher lumen output, which creates a perception of higher luminosity. This type of light is recommended for fish markets and jeweleries. For homes, it is very common to find it in kitchens and toilets. However the experts in make up always recommend cold lights as they offer an advantage, which is that they provide a better chromatic range.

Light performance η

It indicates the real flux. Defines the luminic efficiency of a luminaire.



! Lower lumen output, better efficiency