

Artemide[®]



**Tolomeo
INTEGRALIS[®]**

A light for a safe environment



Tolomeo LED

Pure INTEGRALIS

PATENT OF
INVENTION



INTEGRALIS[®] is a revolutionary lighting technology that contributes to bring people back together into spaces. Light has a positive effect on humans, it can improve the quality of the environment and our well-being, supporting the rhythm of our activities.

Today, thanks to the innovative INTEGRALIS[®] technology, it can also make spaces cleaner and protect one of our most precious assets, health.

THE RIGHT WAVELENGTH

INTEGRALIS® is the result of scientific and technological research as well as Artemide's humanistic and social vision, it is an expression of "Human & Responsible Light".

The iconic Tolomeo, designed in 1987 by Michele De Lucchi, now incorporates INTEGRALIS® technology that makes our spaces safer just by illuminating surfaces.

Only certain wavelengths of visible light, within violet-blue range, contain the right energy to inhibit the growth of pathogens.

INTEGRALIS® calibrates the visible spectral range in an innovative formula capable of regenerating the environmental qualities of the lit spaces. This emission is not harmful for people, pets or plants and does not damage furniture, objects and surfaces.

Tolomeo INTEGRALIS® incorporates the Pure INTEGRALIS patent pending light technology developed by Artemide which helps to counteract pathogenic microorganisms such as bacteria, fungi and molds present on illuminated surfaces, inhibiting their growth and spread.



PURE INTEGRALIS DAY MODE FEATURES



- Inhibition/control of microbial growth combined with a perfect white light quality.
- Dimmable, push on the head (10-100%).
- Maximum luminous efficacy and antimicrobial effect.
- Human presence allowed even at short distances of use thanks to the photobiological safety of the emitted light.

THE UNIVERSAL LIGHT TO STAY SAFE TOGETHER

The active effect against microbial pathogens is achieved by a special light spectrum.

This is perceived as a neutral white with correlated color temperature of 3600K and high color rendering index. The result is a perfect light quality that meets all the lighting requirements for workplaces.

INTEGRALIS® technology offers a greater safety both in home office and in the professional working environment as well.

Open-plan offices and co-working spaces are often subjected to many visitors, which could increase the microbiological contamination of the environment. This is where the antimicrobial effect of INTEGRALIS® has an important role in satisfying the latest technical and hygienic requirements, while maintaining the best light quality.

When researching the action mechanism of light, Artemide was supported by specialist research institutes such as the University of Insubria and the University of Padua. Alongside the scientific tests on the effect of light on microbial pathogens, these collaborations contributed to translate the scientific findings into applied research to develop and verify the INTEGRALIS® technology.

VISIBLE LIGHT

780nm



Results of microbiological tests on *Staphylococcus aureus* irradiated with Tolomeo INTEGRALIS®: microbial growth slows down in the hours following irradiation. Scientific findings carried out in collaboration with the Department of Biotechnology and Life Sciences of the University of Insubria.



Tolomeo LED Pure INTEGRALIS
Michele De Lucchi, Giancarlo Fassina

