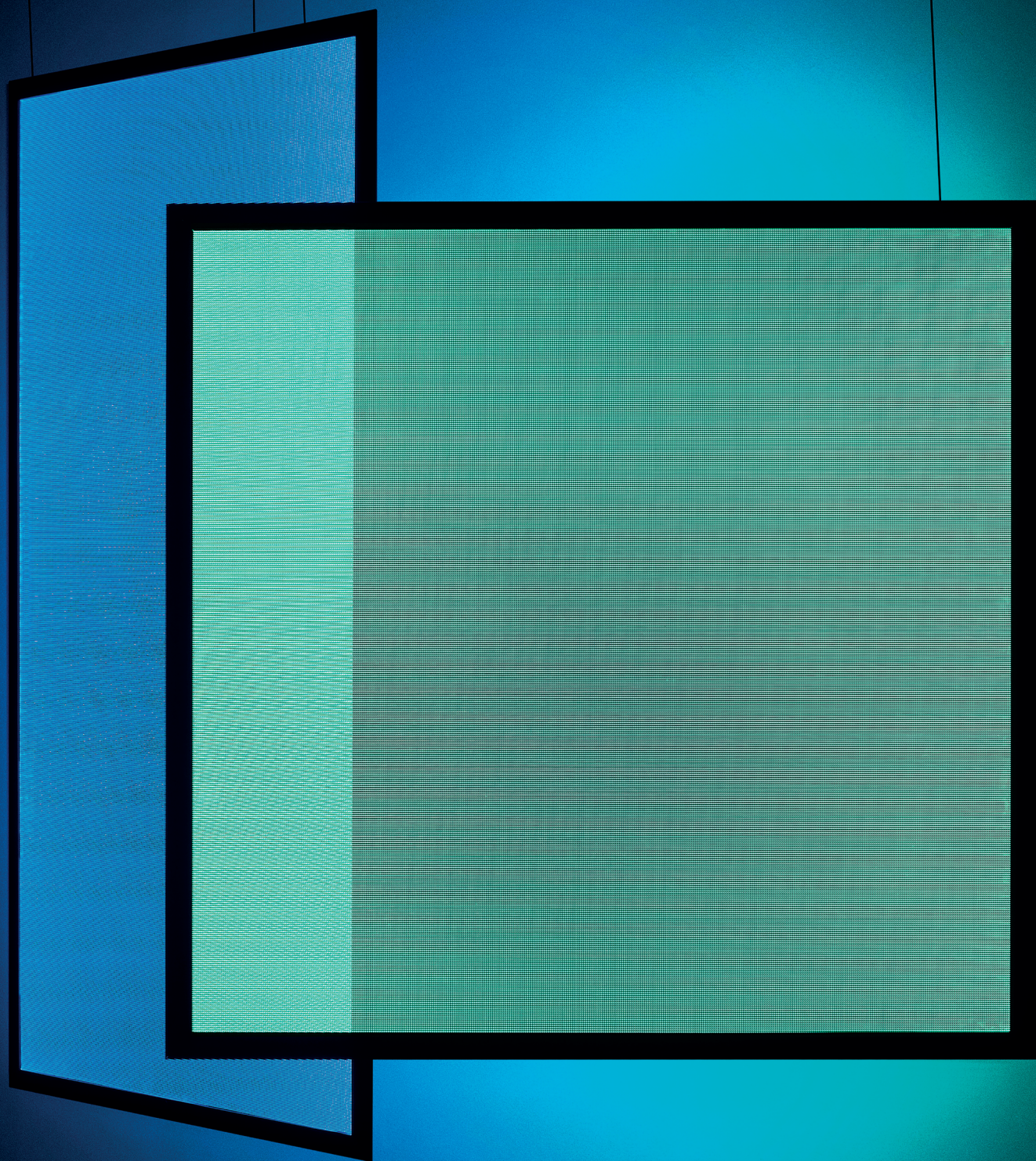


**Artemide**<sup>®</sup>

**INTEGRALIS**<sup>®</sup>  
A light for a safe environment





**Artemide<sup>®</sup>**

INTEGRALIS<sup>®</sup>

A light for a safe environment

PATENT PENDING



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# The Human & Scientific Light

## **INTEGRALIS®**

INTEGRALIS® is an innovative light, perfectly integrated into the products of the Artemide collections, that sanitizes spaces.

INTEGRALIS® combines sanitizing efficacy with luminous performance and design beauty.

It also integrates itself in both the environments and moments of life by interpreting the rhythms and needs of mankind.

INTEGRALIS® is managed by Artemide App, a digital interaction system accessible to all.

INTEGRALIS® was born from Artemide's scientific and technological research and humanistic and social vision.

## **Environmental quality**

INTEGRALIS® is a project that associates and integrates the visible and invisible spectral range in an innovative formula capable of regenerating the environmental qualities of the space.

It is a light spectrum that can act against pathogenic microorganisms in the environment by just illuminating them.

INTEGRALIS® is a range of lighting solutions that protect human health helping people to live spaces more safely.

Environmental quality extends today beyond the theme of perception and physiological well-being.

INTEGRALIS® reduces the microbiotic load of surfaces for a healthy space that takes care of everyday life.

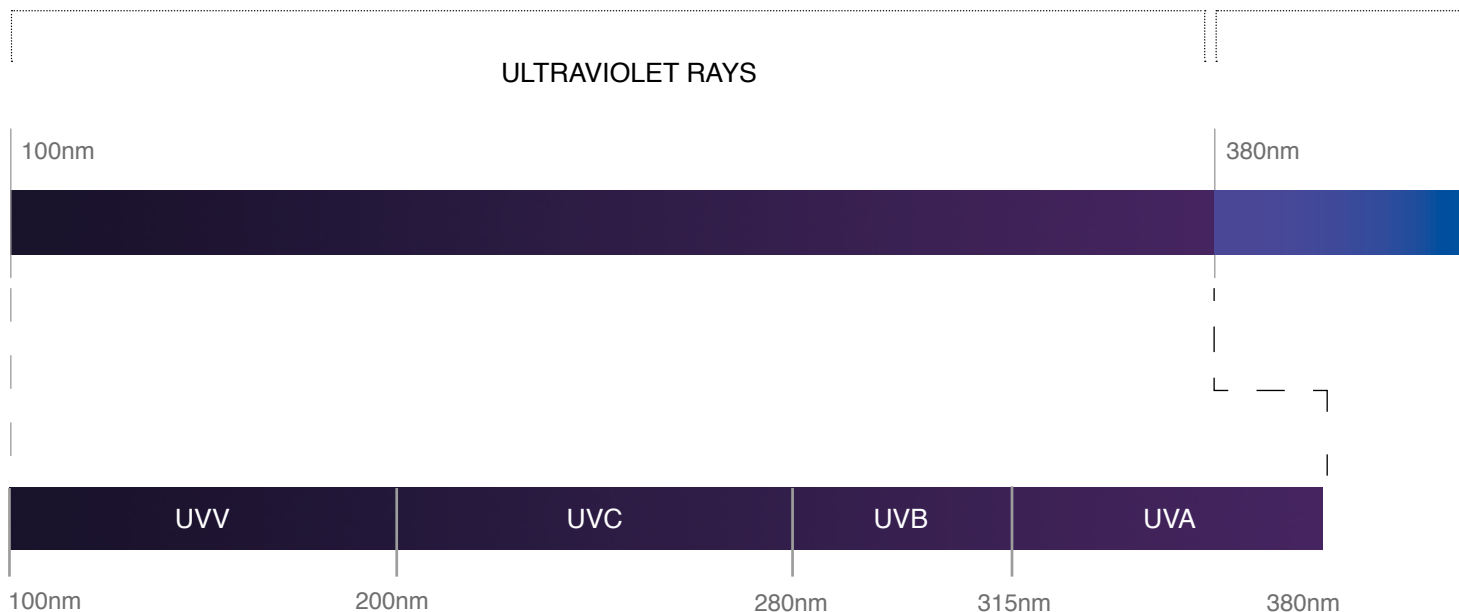


# Light that defeats Bacteria & Viruses

With the revolutionary technology INTEGRALIS®, Artemide provides a direct response to the current events of our time. In line with Artemide's humanistic and social values, INTEGRALIS® is a proprietary lighting solution that protects people's most valuable asset: their health.



NOT VISIBLE LIGHT





## Healty space

A light that supports our health through microbial control is one of the paths that Artemide research was developing as a natural continuation of its approach to Human Light.

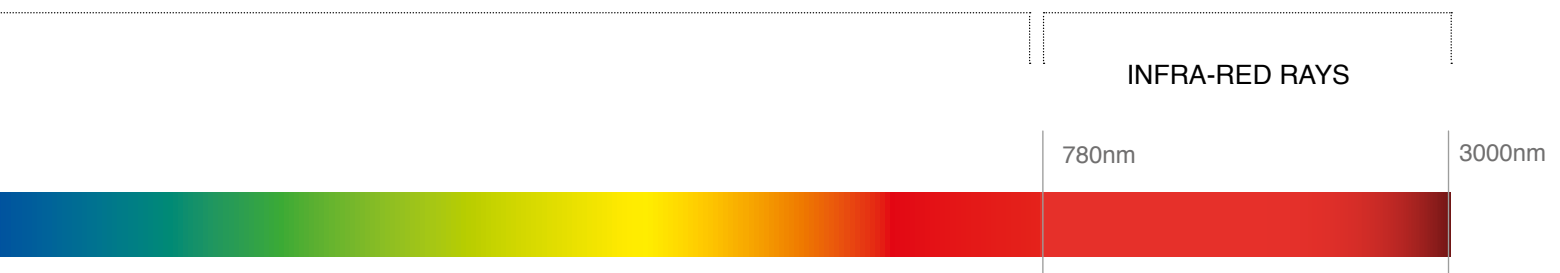
A good light capable of combining functionality, efficiency, perceptual quality with an action that inhibits the growth and spread of pathogenic microorganisms is a concrete help in taking care of our health. Immunity to antibiotics is an increasingly important issue for our daily life while, up to now, no photo oxidative stress resistant microorganisms have been selected.



VISIBLE LIGHT



NOT VISIBLE LIGHT



The selected frequencies of visible light inhibit the growth of bacteria, fungi and mold. UV radiation acts against pathogenic microorganisms and viruses. The combination of these two emission spectra reaches a

high efficacy of sanitization. The result is achieved in full respect of people's safety and without causing damage to materials normally present in the room, thanks to the control intelligences it can incorporate.

# → UVC RADIATION



NOT VISIBLE LIGHT

VIRUS  
BACTERIA  
FUNGI  
MOLD  
YEAST

The UV-C frequencies (200 nm - 280 nm) are active against viruses, bacteria and other pathogens but can also be harmful to humans, so they must be used only during people absence. They are not visible and therefore must be associated with intelligent management systems that ensure human safety. They can defeat pathogens in a very short time (seconds-minutes).



# → VIOLET LIGHT (380/480 nm)

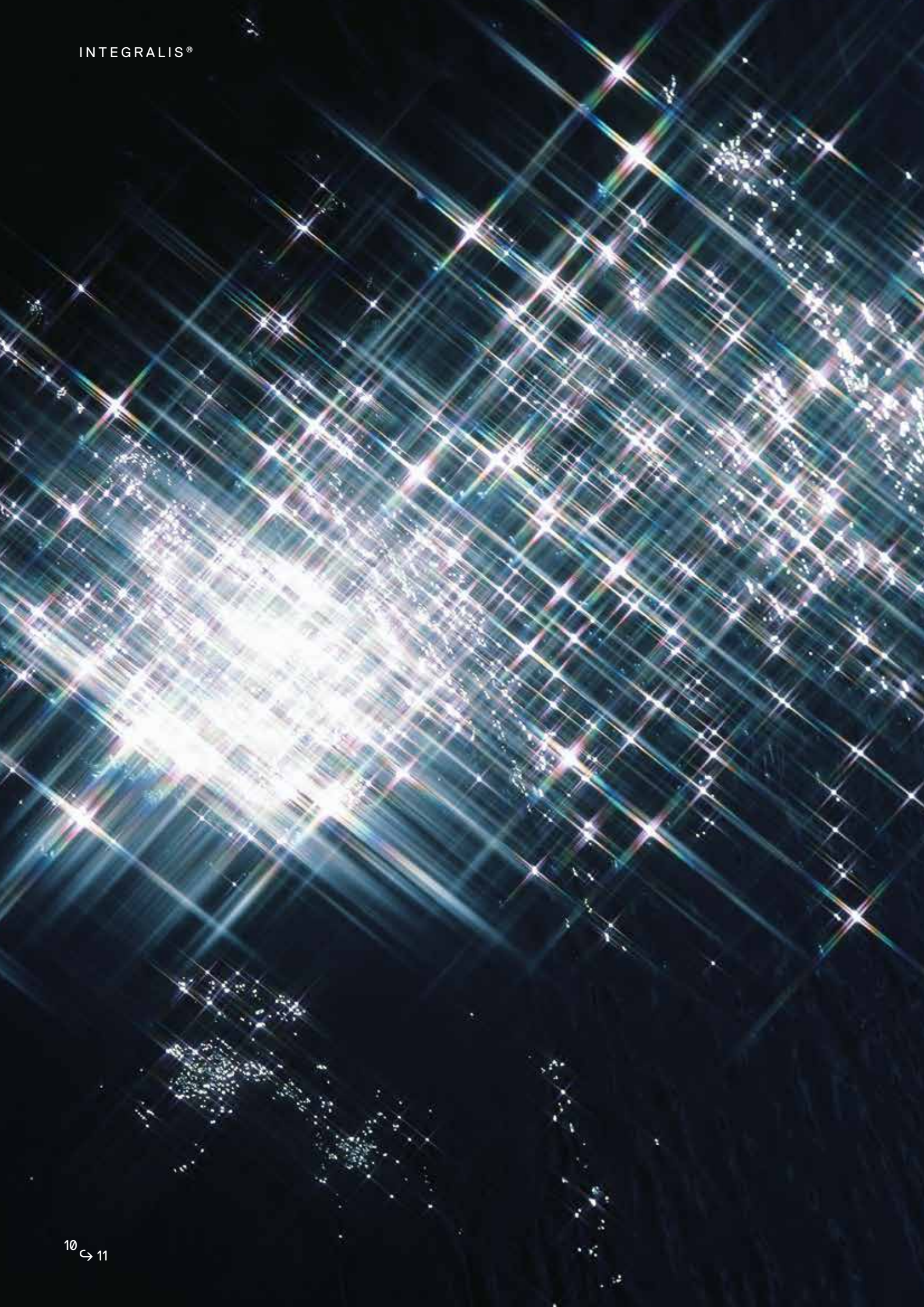


VISIBLE LIGHT

VIRUS  
BACTERIA  
FUNGI  
MOLD  
YEAST

The frequencies of blue-violet light (380 nm - 480 nm) are very effective against bacteria, fungi, molds and can act also on viruses. They are part of the visible spectrum and do not cause problems if used in people presence. They can defeat pathogens in a quite long time (hours).





# A light for a safe environment

With INTEGRALIS<sup>®</sup>, Artemide makes surfaces safe using an excellent light quality for a good and comfortable perception.

## **Light to stay together**

INTEGRALIS<sup>®</sup> allows you to live spaces in safety, it can also act in the presence of people and supports our activities with perfect light, with performances comparable to traditional products.

It is a light that guarantees a correct perception combined with different antimicrobial activities: preventing the Microbial growth and/or microorganisms inhibition.

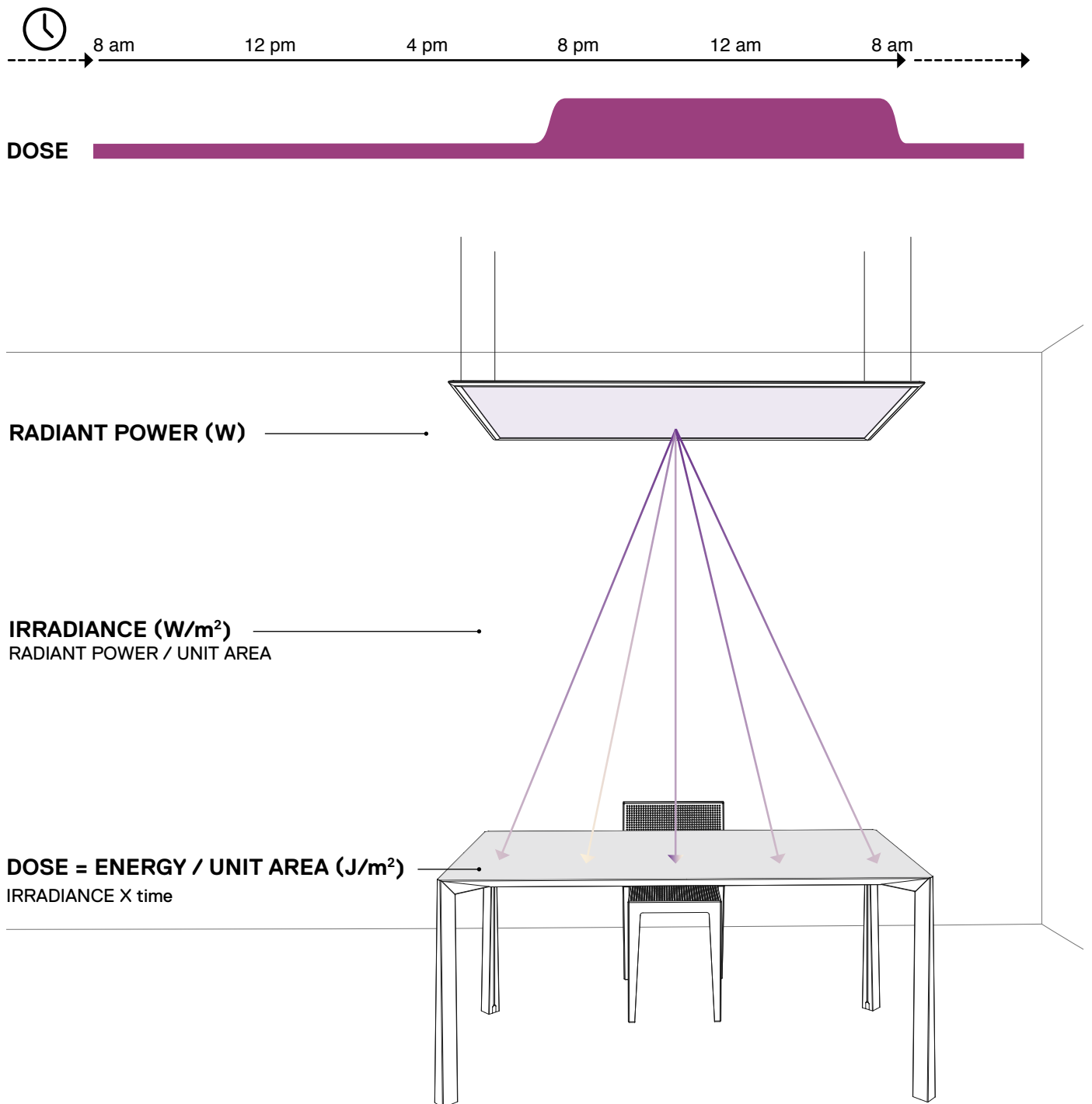
## **Surface sanitization**

The Antimicrobial action of INTEGRALIS<sup>®</sup> light depends on the irradiated energy dose at the different frequencies affecting the surface over time.

In addition, to determine the correct light performance in the design of INTEGRALIS<sup>®</sup> luminaires, the irradiance value is then calculated to ensure the achievement of the energy dose necessary to control the growth of several potential pathogenic microorganisms.



## Light as energy for an Antimicrobial action



**Note:** Microorganisms on surfaces that are not directly exposed to INTEGRALIS® light (hidden or in shadows) will not be eliminated.

# **W/cm<sup>2</sup>**

## **IRRADIANCE**

### **RADIANT POWER / UNIT AREA**

the radiant power/unit area\* to be irradiated in a certain time to reach the desired microbial photoinactivation

\* also used as mW/cm<sup>2</sup>

# **t(s)**

## **TIME**

irradiation time to reach the desired microbial photoinactivation

# **J/cm<sup>2</sup>**

## **ENERGY DOSE**

### **ENERGY / UNIT AREA**

the necessary energy dose to achieve inactivation of potential pathogenic microorganisms

THE PERFECT  
QUALITY OF THE  
WHITE LIGHT

+

ANTIMICROBIAL  
PROPERTIES





# The right wavelength

Violet photons prevent the growth and spread of pathogenic microorganisms such as bacteria, fungi and mold while totally unnoticed by the human eye, since INTEGRALIS® achieves a perfect balance of optimal visual comfort and Antimicrobial action.

## Light + Antimicrobial action

Only specific light wavelengths have the right energy to act against microbial growing.

Indeed, at the violet-blue wavelength, light has an Antimicrobial action against pathogenic microorganisms while **not being offensive for people, pets and plants.**



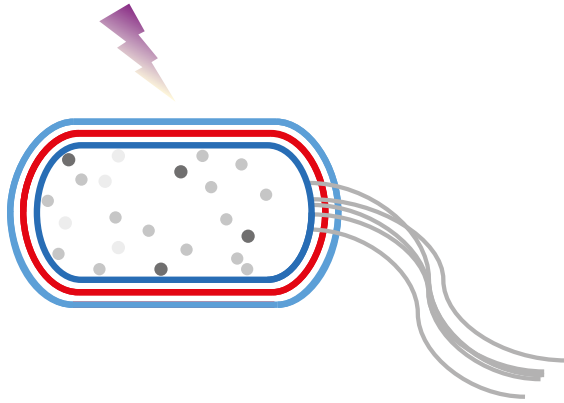
VISIBLE LIGHT



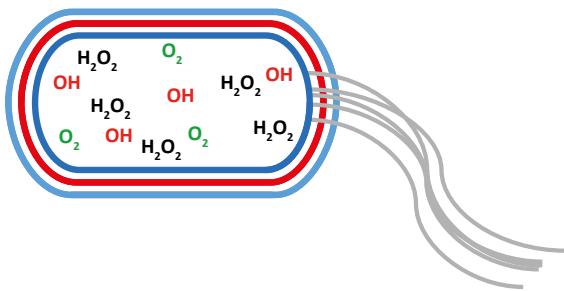
380nm

780nm

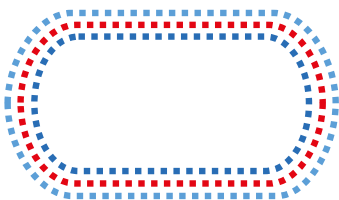
Hypothetical mechanism of photo-oxidative stress induced by blue light in bacterial cells.



**A.** The irradiation of bacterial cell induces the activation of endogenous photosensitizer (grey dots).



**B.** Arising of reactive oxygen species (ROS) such as hydrogen peroxide ( $H_2O_2$ ),  $\cdot OH$  (hydroxyl radical) and  $O_2$  (superoxide anion).



**C.** Biomolecules degradation and, as a consequence, bacterial death.

Scheme of the microbiological effect of 405 nm light on bacteria.

### **Scientific know-how**

In studying the effects of light on bacteria and viruses, Artemide has been supported by the expertise of specialized research institutes such as the University of Insubria and the University of Padua.

In addition to the knowledge of the scientific evidence on the effects of light on potential pathogenic microorganisms, these collaborations have contributed to transfer the scientific evidence into applied research to design and verify the proprietary technology INTEGRALIS®.

### **Microbiological action against bacteria**

Researchers have hypothesized that violet-blue light may induce a photo-oxidative stress in several pathogenic bacterial species.

Bacterial endogenous molecules could be excited by violet-blue light and induce the rising of ROS (reactive oxygen species).

ROS, such as hydrogen peroxide and  $\cdot\text{OH}$  (hydroxyl radical), destroy macromolecules such as DNA, RNA, proteins, lipids and compromise the cellular integrity, causing bacterial death.

### **Microbiological action against viruses**

Regarding viruses, in particular Sars-CoV2, scientific laboratory tests conducted by Artemide have shown that the wavelength 405 nm contributes to the reduction of the viral load.

In fact, within the first four hours time, by using blue-light the reduction is 35% bigger than the natural virus delay.



**Effect of 405 nm light on the inactivation of biological agents**

The use of visible light is one of the most disrupting and promising new antimicrobial approaches.

The scientific literature in fact in recent years has focused on the use of blue light as a possible approach for the reduction of biological contaminants. The need to control the diffusion of biological contaminants, such as prokaryotic microorganisms (bacteria), eukaryotic microorganisms (yeasts, fungi) and viruses is of fundamental importance in many types of application, including the healthcare, environmental, corporate, livestock and domestic settings.

**405 nm light as a form of control for biological agents**

Light in the violet-blue range (380 to 480 nm) in particular has been seen to be efficacious against a broad spectrum of microorganisms, including bacteria, yeasts and fungi. Its potential activity against viruses is being investigated, especially in the light of the current SARS-CoV-2 pandemic. The characteristics of visible light, such as its safety, ease of use and efficacy against many biological targets, make it a very interesting approach in a number of different settings. More specifically, 405 nm light is that which has shown the greatest antimicrobial potential.

## Microorganisms characterizing an "indoor" environment

The study on the effect of 405 nm light was conducted on a panel of both Gram-positive and Gram-negative bacteria of interest to the scientific community as potential pathogens. This technique has therefore been studied related to its important implications for hospital disinfection applications and for the treatment of skin and odontostomatological infections. Considering the high potential of this technology, given also the contingent needs, the aim is the diffusion of an "antimicrobial Blue Light" (aBL) application in non-hospital "indoor" settings.

In particular, reference is made to offices, hospitality spaces and domestic environments.

Each domestic indoor environment is characterised by a particular biological fingerprint resulting from a combination of factors. First and foremost, indoor environments are affected by the outdoor environment (soil and air), indoor characteristics such as ventilation, the degree of humidity and the materials present, and, last but not least, the number

of individuals and any pets present. It has been estimated that the dust inside a home can contain up to 500-1000 different microbial species that help make up the complex microbial community of an indoor environment. This community in turn influences the human microbiota and, consequently the state of health and illness (Shan et al, 2019). This makes it difficult to identify a microbial composition that is representative of the domestic environment.

A distinction can be made between the microorganisms commonly associated with humans (Streptococcaceae, Lactobacillaceae and Pseudomonadaceae) those associated with the environment (Intrasporangiaceae, Rhodobacteraceae) or both (Actinobacteria, Proteobacteria).

Generally speaking we can assume the following as the biological agents can be found in an indoor space as workplaces, schools and nursery schools:

- **Bacteria:** Legionella, Staphylococci, Enterobacteria, Streptococci,

Enterococci, Gram-negative bacteria  
- **Fungi:** Aspergillus spp, Alternaria alternata  
- **Viruses:** viruses responsible for influenza, respiratory tract diseases, gastroenteritis, rubella, mumps, chicken pox, mononucleosis, etc.

In addition to these pathogens, Artemide is also analyzing other bacteria, such as Pseudomonas aeruginosa, more typical of hospital environments and cause of numerous nosocomial infections.

Artemide INTEGRALIS® works on the photosensitive microbiological species, which are not 100% of the existing microbiological population. For a more in-depth information take contact with the experts for the correct identification of the performances and the targets of interest.

Extract from the scientific report of the University of Insubria, Laboratory of Applied Microbiology-DB-SV, specifically edited for Artemide INTEGRALIS® applied research.

**INTEGRALIS®**  
is the frame of life  
and supports our  
sense of belonging  
to spaces





# Space

ENVIRONMENTAL USE DESTINATION

---

# People

PRESENCE & STAYING

---

# Time

FOR ANTIMICROBIAL ACTION

---

# Materials

ENVIRONMENTAL FINISHES

---

# The right dose

As the percentage of the violet photons particles increases, the effect starts from an inhibition of bacterial growth to be intensified up to the point of complete bacteria elimination.

## **A scalable formula**

INTEGRALIS® is an open platform, a scalable formula depending on several variables.

INTEGRALIS® operates according to a parametric approach that offers a scientific and measured answer starting from four main parameters:

- Environment use destination
- People presence
- Time available for sanification
- Finishing materials

INTEGRALIS® follows the rhythm of life working on the concept of “dose”. A “dose” is the measure of the energy density to be applied to the environment surface depending on the variables above to determine the desired antimicrobial effects.

INTEGRALIS® adapts the antimicrobial activity according to the rhythm of permanence and absence of people in the spaces, to the type of environments and to the objective of the intervention.

## Dose calibration

In spaces where the presence of people is constant during the day but interrupted in the evening, such as in offices or shops, museum and educational spaces, sanitization with maximum radiation intensity can be carried out during the night without occupancy.

In the same space, during the day, thanks to the special spectral component of the patented INTEGRALIS® technology it is possible to opt for a non-offensive emission to control bacterial growth and spread. This approach offers a perfect functional white light which, at the same time, is active against bacteria.

In spaces with a limited perimeter such as service areas, elevators, toilets, dressing rooms, halls and waiting rooms, where the permanence of people is temporary, you can choose a localized “intermittent” sanitization.

This method is activated and deactivated through presence sensors, acting only in people absence with greater intensity and in less time in order to guarantee both safety and sanitization of the space for each user.

INTEGRALIS® combined with traditional cleaning can lead over time to an incremental improvement of the environmental quality of the spaces.

## **Integrated antimicrobial effect**

### **How can the violet light work in environments?**

The antimicrobial effect of INTEGRALIS® visible light can operate according to a more traditional cleaning or episodic disinfection ensuring, over time, a lower environmental bacterial charge.

Depending on bacterial species and time exposure we can assume two different uses of violet-blue light related to its intensity:

#### **DAY MODE**

Operating in the background being integrated as a small percentage of the operative white light thus not affecting its quality and perception.

#### **NIGHT MODE**

Used alone applied at the maximum of its radiant power.





**DAY MODE**  
MINIMUM ANTIMICROBIAL DOSE  
DURING DAILY ACTIVITIES  
Human presence allowed



MICROBIAL GROWTH CONTROL MODE

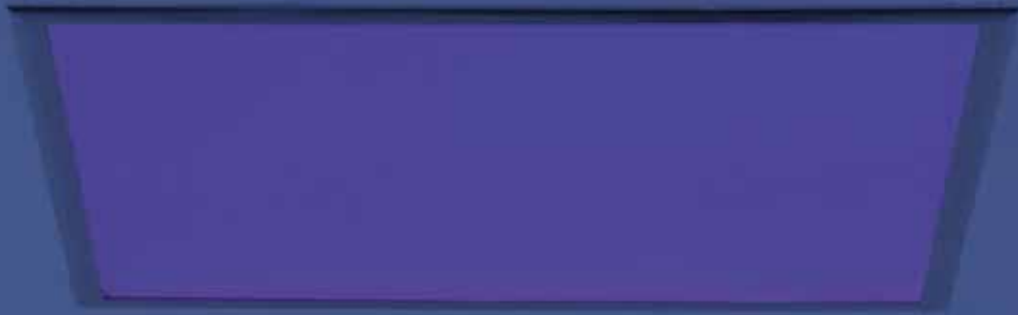


BACTERIA  
FUNGI  
MOLD  
YEAST



## WHITE LIGHT

Discovery space square White - Violet INTEGRALIS case history - Workplace application



**NIGHT MODE**  
MAXIMUM ANTIMICROBIAL DOSE  
DURING THE NIGHT OR PEOPLE ABSENCE  
Human presence NOT recommended



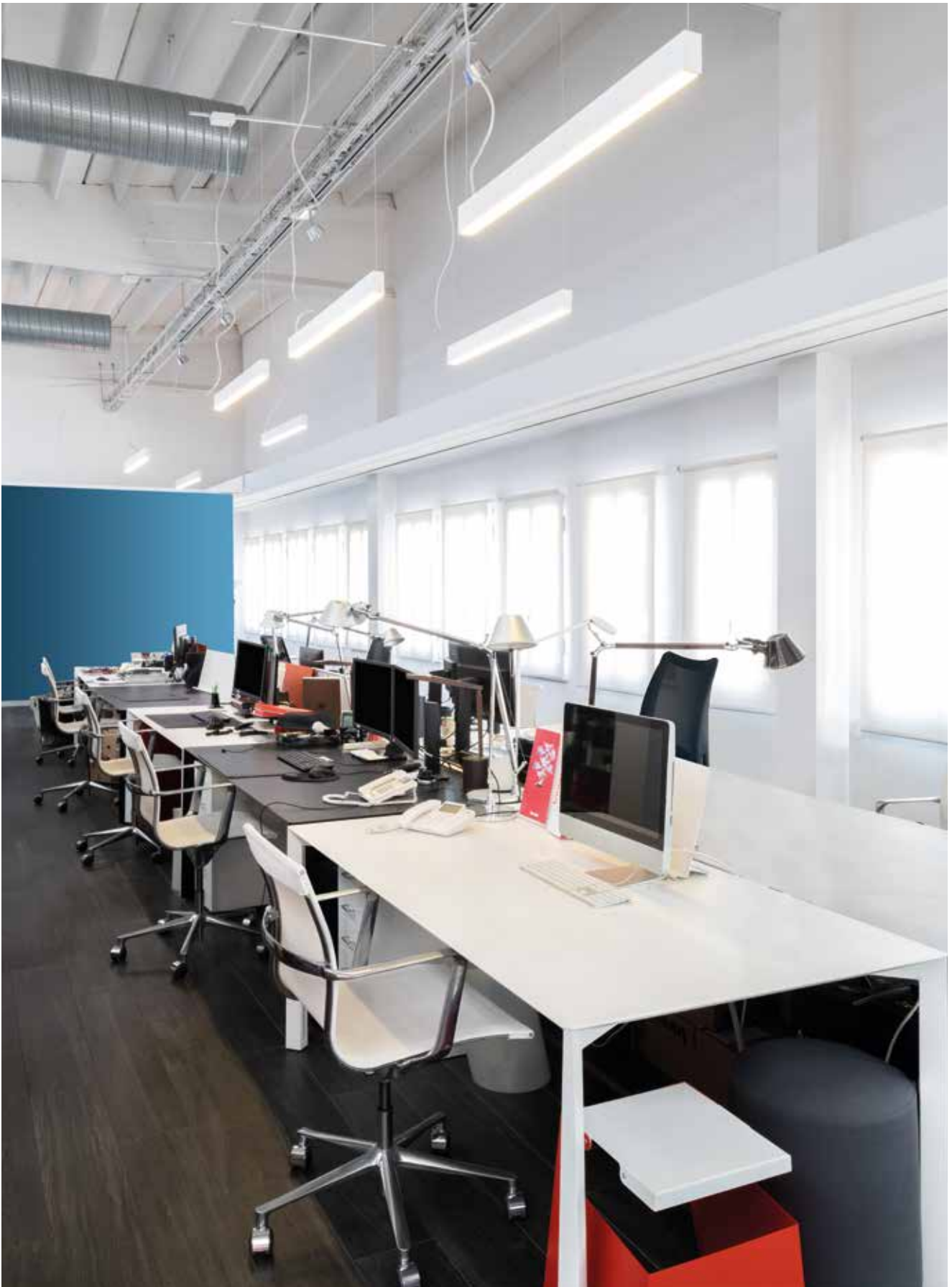
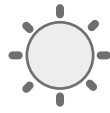
STRONGER MICROBIAL GROWTH CONTROL or ANTIMICROBIAL ACTION



VIRUS  
BACTERIA  
FUNGI  
MOLD  
YEAST

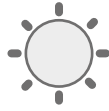


**VIOLET-BLUE LIGHT**

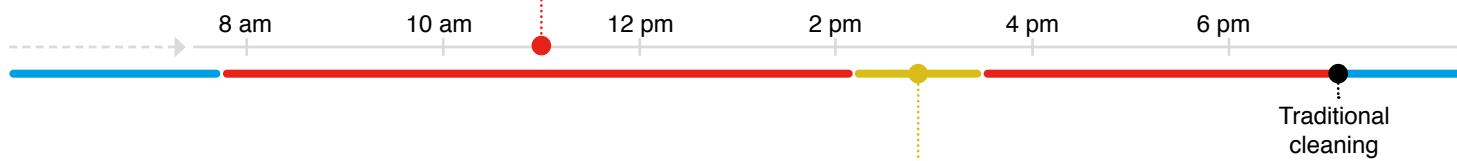


A.39 Controlled Emission Pure INTEGRALIS case history - Workplace application





Daytime 1



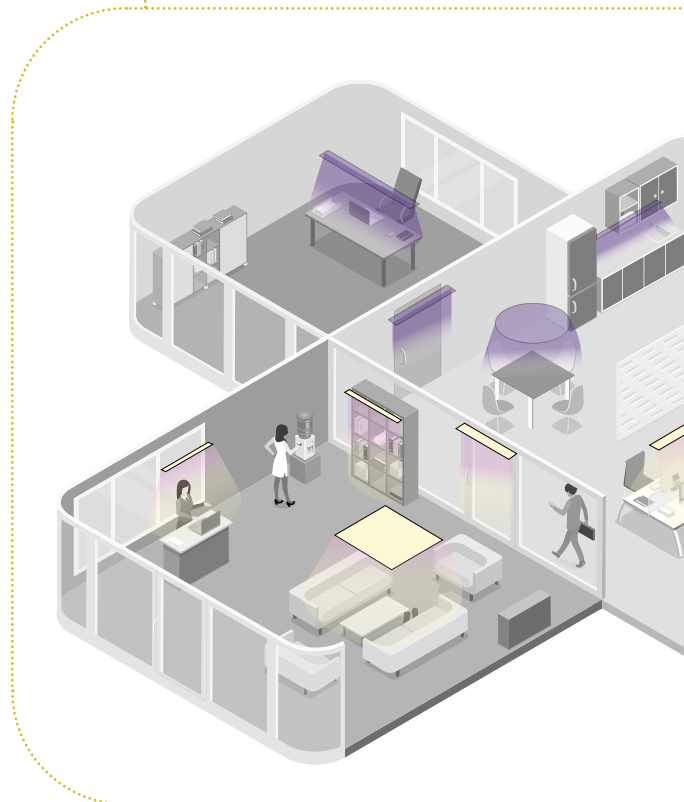
**Daytime 1**

INTEGRALIS® lighting performance is working in Microbial growth control mode in order to control the bacterial load while people presence during normal daily activities.



**Daytime 2**

Thanks to presence sensors, selected INTEGRALIS® lighting appliances are working in Antimicrobial action mode in order to eliminate the bacterial load in specific areas while people absence.







Nighttime

10 pm

12 am

2 am

4 am

6 am

8 am



Daytime 2



### Nighttime

INTEGRALIS® is working completely in Antimicrobial action mode in order to eliminate the bacterial load while people are absent all night long.

# INTEGRALIS®

## eco-system

INTEGRALIS® follows the rhythm of life. It combines four independent solutions and can also benefit from the addition of a UV technology that reliably is able to kill viruses. The various technologies can be used individually or in combination one with the other depending on the intervention target, power, time, results and costs.

### Safe lighting solutions

INTEGRALIS® is an open and versatile platform that includes different declinations and can be integrated into different products of the Artemide collection.

PURE INTEGRALIS is the most complete solution that combines Microbial growth control and Antimicrobial action with excellent efficiency and perceptive quality of light. The uniform broadband spectrum allows a high color rendering index and thus a significant light quality.

WHITE-VIOLET INTEGRALIS combines white light with an emission in the violet frequencies that can activate a Microbial growth control or a Stronger Microbial growth control depending on the irradiance of the emissions.

WHITE INTEGRALIS offers a white emission for a perfect perception in accordance with the human presence and which at the same time combines an effect of bacterial growth containment. It can vary in intensity and is available with a fixed CCT of 5000K.

VIOLET INTEGRALIS was created to combine an antimicrobial effect with a functional light already present or to intensify the effectiveness against pathogenic microorganisms in spaces where a quicker sanitizing intervention is required (ex bathrooms, dressing rooms...) due to a higher intermittance of human presence.

INTEGRALIS® can also include UVC, that operates in the absence of people in some applications.

THE GOOD LIGHT  
TO SUPPORT  
DAILY HUMAN ACTIVITIES

VISIBLE LIGHT



NOT VISIBLE LIGHT





## MICROBIAL GROWTH CONTROL



**DAY MODE**  
DURING DAILY ACTIVITIES





## ANTIMICROBIAL ACTION & SANIFICATION

ENERGY DOSE

### WHITE INTEGRALIS

5000K CRI 90



### WHITE - VIOLET INTEGRALIS



### PURE INTEGRALIS



### VIOLET INTEGRALIS



### UVC INTEGRALIS

250 / 280 nm

**NIGHT MODE**  
DURING PEOPLE ABSENCE





# White INTEGRALIS



- ◆ **Microbial growth control.**
- ◆ **Full spectrum & good perception.**
- ◆ **Fixed 5000K color temperature.**
- ◆ **CRI 90.**
- ◆ **Dimmable (0-100%).**
- ◆ **Human presence ever allowed.**





# White - Violet

## INTEGRALIS



- ◆ Microbial growth control through white+violet emission with fixed percentage mix.



- ◆ Stronger Microbial growth control through total violet emission.
- ◆ Dimmable in Microbial growth control mode (0-100%).
- ◆ A prolonged human presence is allowed in Microbial growth control mode.  
It is not recommended in Stronger Microbial growth control mode.



# Pure INTEGRALIS



- ◆ Microbial growth control with a perfect quality of the white light.



- ◆ Antimicrobial action through total violet emission.
- ◆ Dimmable in Microbial growth control mode (10-100%).
- ◆ Very high efficacy.
- ◆ A prolonged human presence is allowed only in Microbial growth control mode.  
It is not recommended in Antimicrobial action mode.
- ◆ Safety sensors are recommended during Antimicrobial action mode.



# Violet ● INTEGRALIS



- ◆ **Antimicrobial action.**
- ◆ **Not dimmable.**
- ◆ **A prolonged human presence is not recommended in Antimicrobial action mode.**
- ◆ **Safety sensors and/or locked ambient required.**



# UVC ● INTEGRALIS



- ◆ Sanification.
- ◆ Not dimmable.
- ◆ Available as pure UV-C and hybrid solution (white light + UV-C).
- ◆ Living beings presence is forbidden.
- ◆ Safety sensors are necessary.
- ◆ Possible damage of finishing materials.

# Materials resistance

## UV materials resistance

When applying INTEGRALIS® technology in living spaces, it is advisable to take into account the UV wavelength degradation effect, present to some extent, on the finishing materials of the environments.

Resistance to ultraviolet rays is defined as the ability of a material to resist UV radiation, which can have a strong impact on the appearance and mechanical properties of materials.

The possible changes in the materials, depending on the extent of their resistance to UV, can in fact impact on various aesthetic aspects (such as yellowing, discolouration, whitening of the surface with the formation of stress cracks and streaks) and/or a variation in the mechanical properties such as embrittlement, softening and deformation.

Artemide has carried out accelerated aging tests on the main materials, reproducing the damage caused by exposure to the wavelengths used in the PURE INTEGRALIS and UV-C technologies. The results of these tests have made it possible to determine guidelines for the identification of any critical applications based on the behaviour of the different families of materials studied. They also highlighted how visible radiation is less damaging or degrading than UV-C.

**Metals:** UV resistant thanks to the presence of free electrons that absorb energy from photons, so UV-C does not cause any chemical bond disassociation (instead typical of polymers).

**Ceramics:** UV resistant thanks to very strong chemical bonds that require very high energy levels to be broken.

**Polymers:** generally susceptible to UV degradation due to the presence of fairly weak covalent bonds, polymers with double C-C bonds are the most subjected to degradation.

The most frequent degradation mechanisms are photolysis (breaking the polymer chain) and the formation of radicals that can react in the presence of water or oxygen (hydrolysis or oxidation).

The deterioration can also affect the physical characteristics (eg ductibility, mechanical strength) or produce yellowing.

There are also paints with metals inside them (absorbing UV) that can protect polymers (still to be investigated).

In the development of an INTEGRALIS® project, Artemide can suggest materials that are, by their nature, more suitable for these exposures, even if a final comparison with the manufacturer of the materials themselves will be necessary to verify their compatibility of use.





# The right light engine

**Qualitative and quantitative balance between perception and energetic consumption**

INTEGRALIS® is a light designed to return to appropriate places and feel safe together, its light as well as fighting pathogenic microorganisms is designed for the well-being of people who live in spaces respecting the planet.

For this reason, the entire INTEGRALIS® collection is developed and tested with respect to a regulation that provides qualitative and quantitative characteristics, in the internal laboratories in Artemide as well as using qualified external laboratories.

INTEGRALIS® products that offer the white light emission for normal daily activities have balanced efficiencies in compliance with the Eco-design legislation requirements for energetic consumption.

The quality of the light complies with the EN12464 standard, following what is indicated for color temperature and color rendering for the office environment.

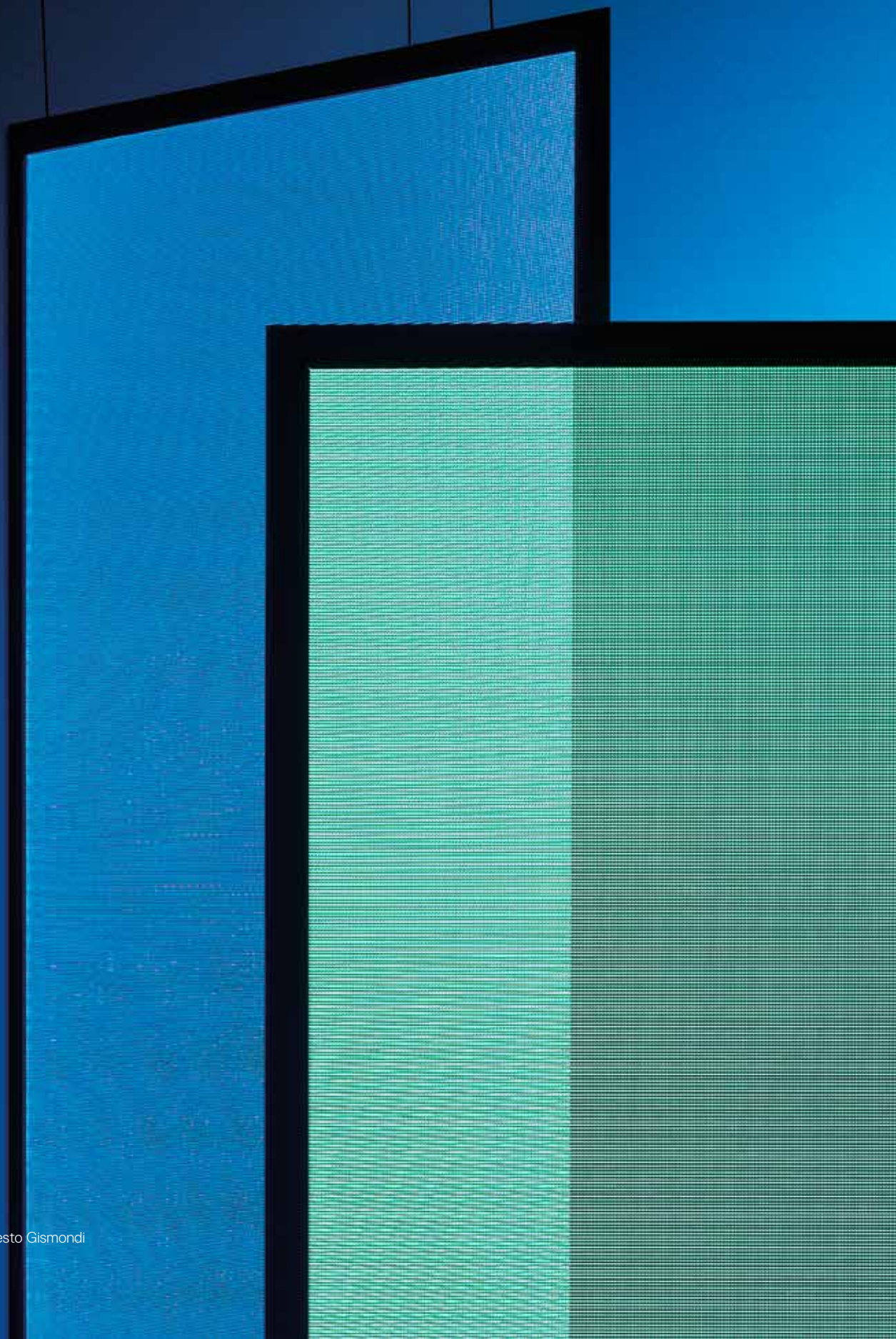
Great attention is then referred to health and in particular to photobiological risk through the correspondence of all the frequencies emitted to the limits imposed by the standards:

IEC 62778

IEC 62471 (ACTINIC-UV, NEAR UV, BLUE-LIGHT, RETINAL THERMAL IR-RADIATION).

To ensure the safety of people according to the limits of the EU directive 2006/25, all products are qualified to provide the allowed minimum health and safety requirements regarding the exposure and the time of permanence under the appliances in "Microbial growth control" (DAY MODE) as well in "Antimicrobial action" (NIGHT MODE) according to the installation.





# INTEGRALIS<sup>®</sup>

## collection

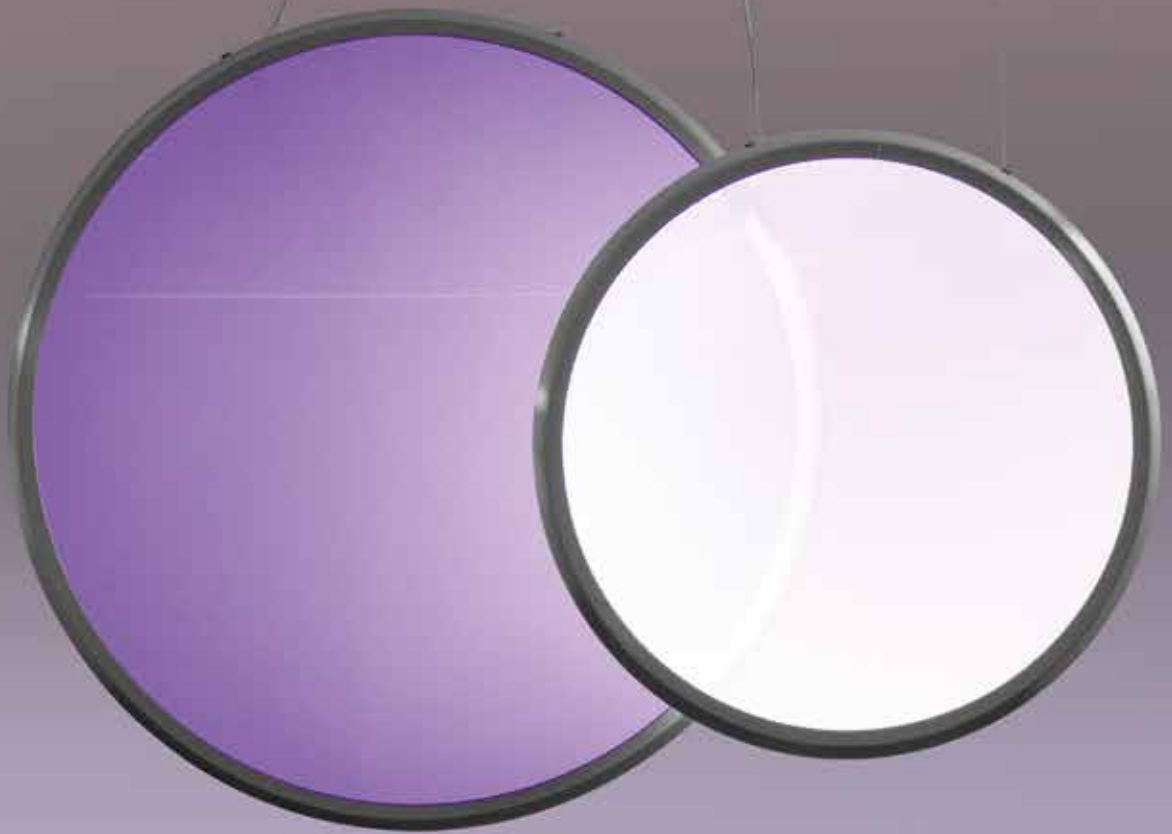
INTEGRALIS<sup>®</sup> can be integrated in a range of lamps and lighting systems from the Artemide collections. Luminaires such as Ilio, Pipe, Athena, Nur and Nur Acoustic, Discovery, A.39, Tagora, Sharp, Vector, Tolomeo LED, Vine Light combine distinctive design with optimal visual comfort and a sense of hygienic well-being. INTEGRALIS<sup>®</sup> is transversal in applications like Hospitality, Health & Hospitals, Workplaces, Wellness, Retail, Education, Sport, Connectivity, Transportation.

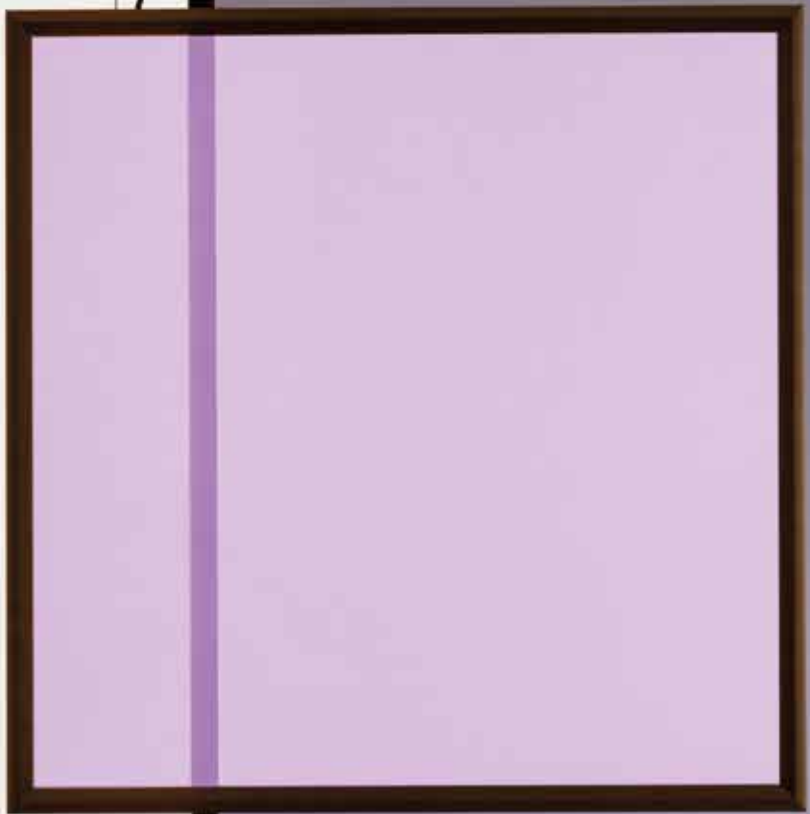
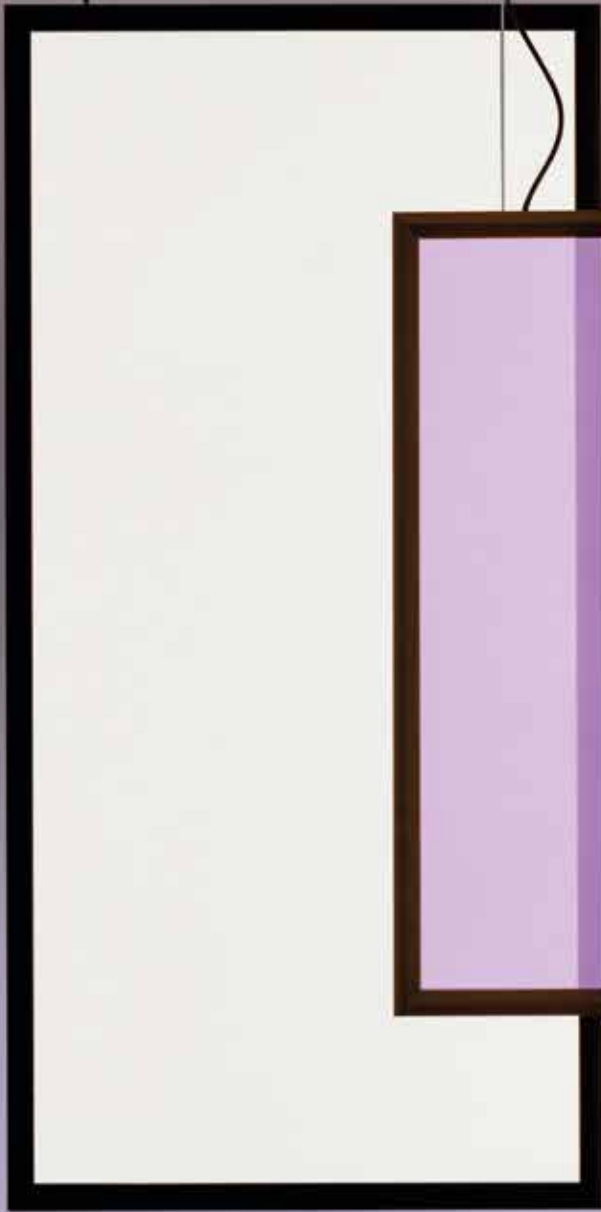
### **INTEGRALIS<sup>®</sup> collection**

For each application field, the most suitable products have been identified to host the various INTEGRALIS<sup>®</sup> technologies and offer a complete range of solutions.

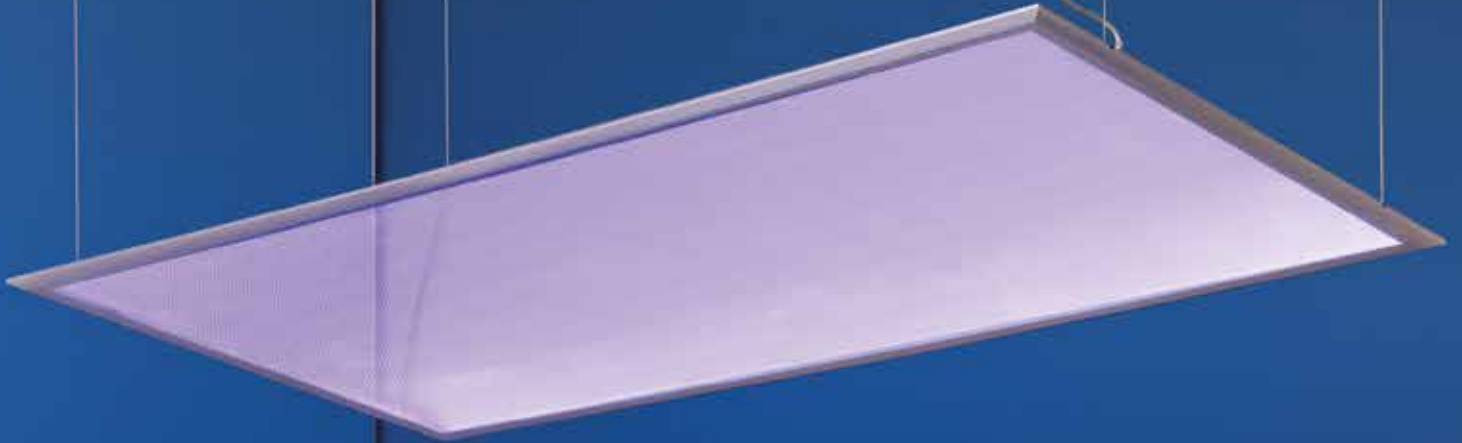
Starting from the necessary light, the antimicrobial energy was calibrated. Each INTEGRALIS<sup>®</sup> luminaire therefore offers a power balance between sanitizing efficiency and corresponding light performance.

Artemide's competence and know-how can then also be translated into customized project solutions through a dedicated consultancy.









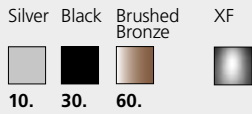
Discovery

White-Violet INTEGRALIS

Ernesto Gismondi  
2020



# WHITE-VIOLET INTEGRALIS



Artemide App compatible.

MacAdam 3SDCM  
L70 B50 60000h  
L70 B50 20000h  
CRI =80

IP20

## Technical Data

### DISCOVERY SPACE SQUARE 90x90cm

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	42 W	XF	1852 lm	1124 mW	2700 K	80
NIGHT MODE	42 W	XF	ND	3406 mW		

### Artemide App

Code  
**20000.10/30/60.IN1APP**



### DISCOVERY SPACE RECTANGULAR 75x150cm

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	63 W	XF	2778 lm	1686 mW	2700 K	80
NIGHT MODE	63 W	XF	ND	5109 mW		

### Artemide App

Code  
**20020.10/30/60.IN1APP**



### DISCOVERY VERTICAL Ø700

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	42 W	XF	1852 lm	1124 mW	2700 K	80
NIGHT MODE	42 W	XF	ND	3406 mW		

### Artemide App

Code  
**19922.10/30/60.IN1APP**



### DISCOVERY VERTICAL Ø1000

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	60 W	XF	2646 lm	1606 mW	2700 K	80
NIGHT MODE	60 W	XF	ND	4866 mW		

### Artemide App

Code  
**19932.10/30/60.IN1APP**



### DISCOVERY VERTICAL Ø1400

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	84 W	XF	3704 lm	2248 mW	2700 K	80
NIGHT MODE	84 W	XF	ND	6812 mW		

### Artemide App

Code  
**19942.10/30/60.IN1APP**

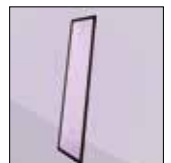


### DISCOVERY FLOOR (40x157cm)

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	67 W	XF	2972 lm	1804 mW	2700 K	80
NIGHT MODE	67 W	XF	ND	5467 mW		

### Artemide App

Code  
**20400.30.IN1APP**





# Nur White INTEGRALIS

Ernesto Gismondi  
2020





# WHITE INTEGRALIS

XF

\*Artemide App compatible.

MacAdam 3SDCM  
L80 (10K) 55000h  
CRI =90  
CCT (K) : 5000K

IP20



## ➤ Technical Data

### NUR LED - ANTHRACITE GREY

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	45 W	XF	2423 lm	1413 mW	5000 K	90

Artemide App

Code

**A243300IN0APP\***



### NUR LED - ALUMINUM GREY

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	45 W	XF	2423 lm	1413 mW	5000 K	90

Artemide App

Code

**A243310IN0APP\***



### NUR 1618 LED - ANTHRACITE GREY

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	80 W	XF	4739 lm	2763 mW	5000 K	90

Code

**A243200INO**



### NUR 1618 LED - ALUMINUM GREY

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	80 W	XF	4739 lm	2763 mW	5000 K	90

Code

**A243210INO**





# Nur Acoustic White INTEGRALIS

Ernesto Gismondi  
2020





# WHITE INTEGRALIS

XF



MacAdam 3SDCM  
L80 (10K) 55000h  
CRI =90  
CCT (K) : 5000K

IP20

## ➤ Technical Data

### NUR ACOUSTIC GREY

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	80 W	XF	6733 lm	4553 mW	5000 K	90

Push dimmable

Code

**A243700INO**



### NUR ACOUSTIC GREEN

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	80 W	XF	6733 lm	4553 mW	5000 K	90

Push dimmable

Code

**A243770INO**



### NUR ACOUSTIC WHITE

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	80 W	XF	6733 lm	4553 mW	5000 K	90

Push dimmable

Code

**A243720INO**



### NUR ACOUSTIC RED

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	80 W	XF	6733 lm	4553 mW	5000 K	90

Push dimmable

Code

**A243740INO**



### NUR ACOUSTIC BLUE

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	80 W	XF	6733 lm	4553 mW	5000 K	90

Push dimmable

Code

**A243750INO**





# Pipe

## White INTEGRALIS

Herzog & de Meuron  
2020



# WHITE INTEGRALIS

XF



MacAdam 3SDCM  
L80 (10K) 55000h  
CRI =90  
CCT (K) : 5000K

IP20  
⊕

## ↗ Technical Data

### PIPE SUSPENSION

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	27 W	XF	2143 lm	1449 mW	5000 K	90

Push dimmable

Code

**0672010IN0A**



### PIPE CEILING/WALL

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	27 W	XF	2143 lm	1449 mW	5000 K	90

Push dimmable

Code

**0671010IN0A**



### PIPE FLOOR

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	27 W	XF	2143 lm	1449 mW	5000 K	90

Push on stem dimmable

Code

**0670010IN0A**



**Ilio**

# **White INTEGRALIS**

Ernesto Gismondi  
2020





# WHITE INTEGRALIS

XF	Artemide App compatible.	MacAdam 3SDCM L80 (10K) 55000h CRI =90 CCT (K) : 5000K	IP20

## ➤ Technical Data

ILIO RED							Push on stem dimmable
	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI	Code
DAY MODE	45 W	XF	3920 lm	2651 mW	5000 K	90	<b>1640010IN0APP</b>



ILIO WHITE							Push on stem dimmable
	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI	Code
DAY MODE	45 W	XF	3920 lm	2651 mW	5000 K	90	<b>1640020IN0APP</b>

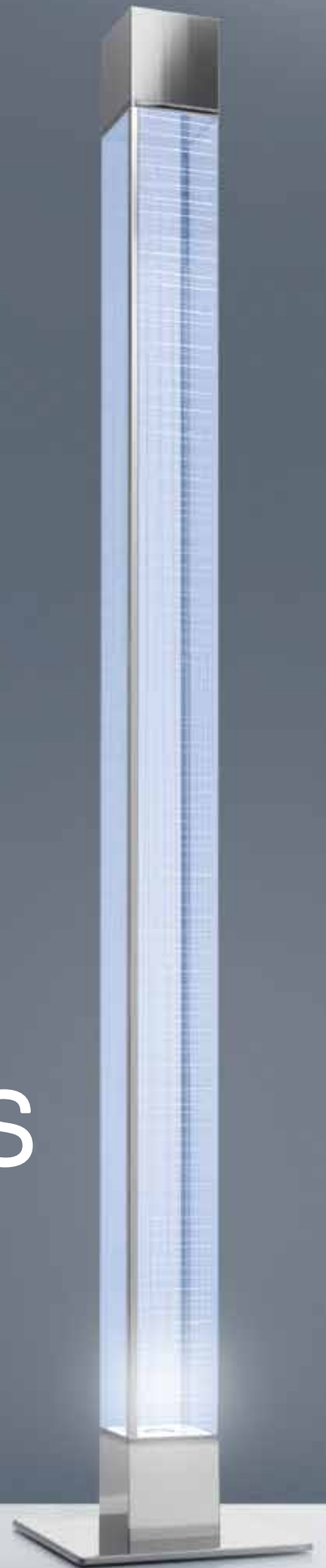


ILIO GLOSSY BLACK							Push on stem dimmable
	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI	Code
DAY MODE	45 W	XF	3920 lm	2651 mW	5000 K	90	<b>1640030IN0APP</b>



ILIO BLACK							Push on stem dimmable
	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI	Code
DAY MODE	45 W	XF	3920 lm	2651 mW	5000 K	90	<b>1640080IN0APP</b>





# Mimesi

# White INTEGRALIS

Carlotta de Bevilacqua  
2021





# WHITE INTEGRALIS

XF	Artemide App compatible.	MacAdam 3SDCM L80 (10K) 55000h CRI =90 CCT (K) : 5000K	IP20 ⊕

## ➤ Technical Data

MIMESI						Push on cord dimmable
	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	3 W + 42 W	XF	3887 lm	2629 mW	5000 K	90
						<b>Code</b>
						<b>1835010IN0APP</b>



INTEGRALIS®

# Athena

# White INTEGRALIS

Naoto Fukasawa  
2021





# WHITE INTEGRALIS

XF



MacAdam 3SDCM  
L80 (10K) 55000h  
CRI =90  
CCT (K) : 5000K

IP20



## ➤ Technical Data

### ATHENA BLACK

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	44 W	XF	4106 lm	2777 mW	5000 K	90

Push on stem dimmable

Code

**1833030IN0A**



### ATHENA WHITE

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	44 W	XF	4106 lm	2777 mW	5000 K	90

Push on stem dimmable

Code

**1833020IN0A**



# Pure INTEGRALIS TASK LIGHTS





# Tolomeo LED Pure INTEGRALIS

Michele De Lucchi, Giancarlo Fassina  
2021







PURE INTEGRALIS

MacAdam 4SDCM  
L80 (10K) 28500h  
CRI =80  
CCT (K) : 3600K

IP20



## ➤ Technical Data

### TOLOMEO LED

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	7 W	XF	483 lm	465 mW	3600 K	80

Push on head dimmable

Code

**A004800IN2**



### Accessories



Table base ø cm. 23 - aluminum

Code

**A004030**



Table clamp - aluminum

**A004100**



Desk fixed support - aluminum

**A004200**

INTEGRALIS®

# Vine Light

# Pure INTEGRALIS

BIG - Bjarke Ingles Group  
2022





# PURE INTEGRALIS

MacAdam 4SDCM  
L80 (10K) 28500h  
CRI =82  
CCT (K) : 3600K

IP20



## ↗ Technical Data

### VINE LIGHT

	W	Beam	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	8 W	XF	675 lm	523 mW	3600 K	82

### Touch on head dimmable

Code

**1564030IN2A**







A.39

# INTEGRALIS

Carlotta de Bevilacqua  
2020

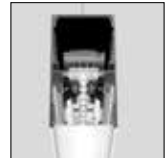


WHITE INTEGRALIS

White	Black	Silver	Opal diffuser supplied separately. Optional Artemide App interface supplied separately. The App driver can not be controlled by DALI dimming system and viceversa.	MacAdam 3SDCM L70(12K)=72000h CRI = 90 * 1 DALI address ** 2 DALI addresses	IP20 ⊕
01	04	05			

➤ Technical Data

A.39 DIFFUSED EMISSION - SUSPENSION, CEILING DIRECT EMISSION							Dimmable DALI
		W	Luminous Flux	Radiant Flux	CCT	CRI	Code
1184 mm	DAY MODE	34 W	2975 lm	2052 mW	5000 K	90	<b>AT132.01/04/05.INO*</b>
1480 mm	DAY MODE	42 W	3719 lm	2565 mW	5000 K	90	<b>AT142.01/04/05.INO*</b>
2368 mm	DAY MODE	66 W	5950 lm	4104 mW	5000 K	90	<b>AT152.01/04/05.INO*</b>
2960 mm	DAY MODE	82 W	7437 lm	5129 mW	5000 K	90	<b>AT182.01/04/05.INO*</b>



A.39 DIFFUSED EMISSION - SUSPENSION DIRECT/INDIRECT EMISSION							Dimmable DALI	
			W	Luminous Flux	Radiant Flux	CCT	CRI	Code
1184 mm	DAY MODE	Direct emission	34 W	2975 lm	2052 mW	5000 K	90	<b>AT192.01/04/05.INO*</b>
		Indirect emission	23 W	2316 lm	1786 mW			
1480 mm	DAY MODE	Direct emission	42 W	3719 lm	2565 mW	5000 K	90	<b>AT222.01/04/05.INO*</b>
		Indirect emission	31 W	3088 lm	2382 mW			
2368 mm	DAY MODE	Direct emission	66 W	5950 lm	4104 mW	5000 K	90	<b>AT232.01/04/05.INO**</b>
		Indirect emission	50 W	4633 lm	3572 mW			
2960 mm	DAY MODE	Direct emission	82 W	7437 lm	5129 mW	5000 K	90	<b>AT242.01/04/05.INO**</b>
		Indirect emission	67 W	6177 lm	4763 mW			



Accessories suspension

Dimmable or APP Feeding kit including 2 suspension cables 2000 mm (5 poles)	<b>AT10500</b> <b>AT10500APP</b> (Up to 40 DALI addresses)
Mechanical joint including 1 suspension cable for system	<b>AT09500</b>
End cap kit (2 pcs)	<b>AT894.01/04/05</b>

Accessories ceiling

End cap kit (2 pcs)	<b>AT894.01/04/05</b>
Ceiling bracket and mechanical joint for system	<b>AT09501</b>
End ceiling bracket (2 pcs)	<b>AT09502</b>

Accessories

BLL - DALI interface for Artemide App (with antenna, can be used to control with Artemide App up to 40 DALI driver)	<b>DV1054APP</b>
---	------------------

Opal diffuser in polycarbonate (suspension, ceiling)

Length	Code
1184 mm	<b>AT09505IN</b>
2368 mm	<b>AT09506IN</b>
2960 mm	<b>AT09507IN</b>
10000 mm roll	<b>AT10000IN</b>





# WHITE INTEGRALIS

White Black Silver



Screens supplied separately.  
Artemide App interface supplied separately.  
The App driver can not be controlled by DALI dimming system and viceversa.

MacAdam 3SDCM  
Life L80 (10K) 55000h  
CRI = 90

IP20

\* 1 DALI address  
\*\* 2 DALI addresses

## Technical Data

### A.39 CONTROLLED EMISSION - SUSPENSION, CEILING DIRECT EMISSION

		W	Luminous Flux	Radiant Flux	CCT	CRI
1184 mm	DAY MODE	34 W	1495 lm	1083 mW	5000 K	90
1480 mm	DAY MODE	42 W	1869 lm	1354 mW	5000 K	90
2368 mm	DAY MODE	66 W	2990 lm	2166 mW	5000 K	90
2960 mm	DAY MODE	82 W	3737 lm	2708 mW	5000 K	90

### Dimmable DALI

Code
<b>AT136.01/04/05.INO*</b>
<b>AT146.01/04/05.INO*</b>
<b>AT156.01/04/05.INO*</b>
<b>AT186.01/04/05.INO*</b>



### A.39 CONTROLLED EMISSION - SUSPENSION DIRECT/INDIRECT EMISSION

			W	Luminous Flux	Radiant Flux	CCT	CRI
1184 mm	DAY MODE	Direct emission	34 W	1495 lm	1083 mW	5000 K	90
		Indirect emission	23 W	2316 lm	1786 mW		
1480 mm	DAY MODE	Direct emission	42 W	1869 lm	1354 mW	5000 K	90
		Indirect emission	31 W	3088 lm	2382 mW		
2368 mm	DAY MODE	Direct emission	66 W	2990 lm	2166 mW	5000 K	90
		Indirect emission	50 W	4633 lm	3572 mW		
2960 mm	DAY MODE	Direct emission	82 W	3737 lm	2708 mW	5000 K	90
		Indirect emission	67 W	6177 lm	4763 mW		

### Dimmable DALI

Code
<b>AT196.01/04/05.INO*</b>
<b>AT226.01/04/05.INO*</b>
<b>AT236.01/04/05.INO**</b>
<b>AT246.01/04/05.INO**</b>



### Accessories suspension

Dimmable or APP Feeding kit including 2 suspension cables 2000 mm (5 poles)

Mechanical joint including 1 suspension cable for system

End cap kit (2 pcs)

### Code

**AT10500**  
**AT10500APP**  
(Up to 40 DALI addresses)

**AT09500**

**AT895.01/04/05**

### Accessories ceiling

End cap kit (2 pcs)

Ceiling bracket and mechanical joint for system

End ceiling bracket (2 pcs)

### Code

**AT895.01/04/05**

**AT09501**

**AT09502**

BLL - DALI interface for Artemide App (with antenna, can be used to control with Artemide App up to 40 DALI driver)

**DV1054APP**

### Optic

#### Length

1184 mm (4 pcs)  
1480 mm (5 pcs)

### Code

**M186700IN**  
**AT09900IN**

### Length

1184 mm **1** M186700IN  
1482 mm **1** AT09900IN  
2368 mm **2** M186700IN  
2960 mm **2** AT09900IN

### Screen quantity to order

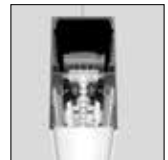


PURE INTEGRALIS

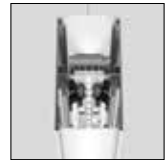
White	Black	Silver	Opal diffuser supplied separately. Artemide App electronic driver included.	Life L70 28400h CRI = 80 CCT= 3600 K	IP20 ⊕
01	04	05			

➤ Technical Data

A.39 DIFFUSED EMISSION - SUSPENSION, CEILING DIRECT EMISSION*						Artemide App	
		W	Luminous Flux	Radiant Flux	CCT	CRI	Code
1184 mm	DAY MODE	39 W	3007 lm	4544 mW	3600 K	80	<b>AT132.01/04/05.IN2APP</b>
	NIGHT MODE	54 W	ND	14022 mW			
1480 mm	DAY MODE	49 W	3759 lm	5681 mW	3600 K	80	<b>AT142.01/04/05.IN2APP</b>
	NIGHT MODE	68 W	ND	17528 mW			
2368 mm	DAY MODE	78 W	6014 lm	9090 mW	3600 K	80	<b>AT152.01/04/05.IN2APP</b>
	NIGHT MODE	108 W	ND	28044 mW			
2960 mm	DAY MODE	97 W	7518 lm	11362 mW	3600 K	80	<b>AT182.01/04/05.IN2APP</b>
	NIGHT MODE	135 W	ND	35056 mW			




A.39 DIFFUSED EMISSION - SUSPENSION DIRECT/INDIRECT EMISSION*							Artemide App	
			W	Luminous Flux	Radiant Flux	CCT	CRI	Code
1184 mm	DAY MODE	Direct emission	39 W	3007 lm	4544 mW	3600 K	80	<b>AT192.01/04/05.IN2APP</b>
		Indirect emission	23 W	2807 lm				
	NIGHT MODE	54 W	ND	14022 mW				
1480 mm	DAY MODE	Direct emission	49 W	3759 lm	5681 mW	3600 K	80	<b>AT222.01/04/05.IN2APP</b>
		Indirect emission	31 W	3742 lm				
	NIGHT MODE	68 W	ND	17528 mW				
2368 mm	DAY MODE	Direct emission	78 W	6014 lm	9090 mW	3600 K	80	<b>AT232.01/04/05.IN2APP</b>
		Indirect emission	50 W	5613 lm				
	NIGHT MODE	108 W	ND	28044 mW				
2960 mm	DAY MODE	Direct emission	97 W	7518 lm	11362 mW	3600 K	80	<b>AT242.01/04/05.IN2APP</b>
		Indirect emission	67 W	7484 lm				
	NIGHT MODE	135 W	ND	35056 mW				



Opal diffuser (suspension, ceiling)	Code
Length	
1184 mm	<b>AT09505IN</b>
2368 mm	<b>AT09506IN</b>
2960 mm	<b>AT09507IN</b>
10000 mm roll	<b>AT10000IN</b>

Accessories suspension	Code
Undimmable Feeding kit including 2 suspension cables 2000 mm (3 poles)	<b>AT10400</b>
Mechanical joint including 1 suspension cable for system	<b>AT09500</b>
End cap kit (2 pcs)	<b>AT894.01/04/05</b>

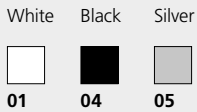
Accessories ceiling	Code
End cap kit (2 pcs)	<b>AT894.01/04/05</b>
Ceiling bracket and mechanical joint for system	<b>AT09501</b>
End ceiling bracket (2 pcs)	<b>AT09502</b>

Optional control devices - BLL wireless switch	Code
 Pure Integralis mode: 2 pushes to enable/disable Antimicrobial action mode (3 <sup>rd</sup> contact to control security ring).	<b>DV1080APP</b>

\* ONLY for professional use: contact qualified Artemide personnel to evaluate and validate the applicability in compliance with the minimum installation requirements. Coordination with environmental safety systems and sensors required. Installation must only be performed by qualified personnel. For further information contact Artemide.



# PURE INTEGRALIS



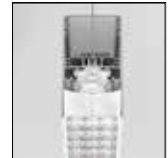
Screens supplied separately.  
Artemide App electronic driver included.

Life L70 28400h  
CRI = 80  
CCT= 3600 K

IP20

## Technical Data

A.39 CONTROLLED EMISSION - SUSPENSION, CEILING DIRECT EMISSION*						Artemide App	
		W	Luminous Flux	Radiant Flux	CCT	CRI	Code
1184 mm	DAY MODE	39 W	1653 lm	2345 mW	3600 K	80	<b>AT136.01/04/05.IN2APP</b>
	NIGHT MODE	55 W	ND	6092 mW			
1480 mm	DAY MODE	49 W	2066 lm	2931 mW	3600 K	80	<b>AT146.01/04/05.IN2APP</b>
	NIGHT MODE	68 W	ND	7615 mW			
2368 mm	DAY MODE	75 W	3306 lm	4690 mW	3600 K	80	<b>AT156.01/04/05.IN2APP</b>
	NIGHT MODE	109 W	ND	12183 mW			
2960 mm	DAY MODE	93 W	4132 lm	5863 mW	3600 K	80	<b>AT186.01/04/05.IN2APP</b>
	NIGHT MODE	136 W	ND	15229 mW			



A.39 CONTROLLED EMISSION - SUSPENSION DIRECT/INDIRECT EMISSION*							Artemide App	
			W	Luminous Flux	Radiant Flux	CCT	CRI	Code
1184 mm	DAY MODE	Direct emission	39 W	1653 lm	2345 mW	3600 K	80	<b>AT196.01/04/05.IN2APP</b>
		Indirect emission	23 W	2807 lm				
	NIGHT MODE	55 W	ND	6092 mW				
1480 mm	DAY MODE	Direct emission	49 W	2066 lm	2931 mW	3600 K	80	<b>AT226.01/04/05.IN2APP</b>
		Indirect emission	31 W	3742 lm				
	NIGHT MODE	68 W	ND	7615 mW				
2368 mm	DAY MODE	Direct emission	75 W	3306 lm	4690 mW	3600 K	80	<b>AT236.01/04/05.IN2APP</b>
		Indirect emission	50 W	5613 lm				
	NIGHT MODE	109 W	ND	12183 mW				
2960 mm	DAY MODE	Direct emission	93 W	4132 lm	5863 mW	3600 K	80	<b>AT246.01/04/05.IN2APP</b>
		Indirect emission	67 W	7484 lm				
	NIGHT MODE	136 W	ND	15229 mW				



Optic
Length
1184 mm (4 pcs)
1480 mm (5 pcs)

Code
<b>M186700IN2</b>
<b>AT09900IN2</b>

Length	Screen quantity to order
1184 mm	<b>1</b> M186700IN2
1482 mm	<b>1</b> AT09900IN2
2368 mm	<b>2</b> M186700IN2
2960 mm	<b>2</b> AT09900IN2

Accessories suspension
Undimmable Feeding kit including 2 suspension cables 2000 mm (3 poles)
Mechanical joint including 1 suspension cable for system
End cap kit (2 pcs)

Code
<b>AT10400</b>
<b>AT09500</b>
<b>AT895.01/04/05</b>

Accessories ceiling
End cap kit (2 pcs)
Ceiling bracket and mechanical joint for system
End ceiling bracket (2 pcs)

Code
<b>AT895.01/04/05</b>
<b>AT09501</b>
<b>AT09502</b>

### Optional control devices - BLL wireless switch



Pure Integralis mode: 2 pushes to enable/disable Antimicrobial action mode (3<sup>rd</sup> contact to control security ring).

Code
<b>DV1080APP</b>

\* ONLY for professional use: contact qualified Artemide personnel to evaluate and validate the applicability in compliance with the minimum installation requirements. Coordination with environmental safety systems and sensors required. Installation must only be performed by qualified personnel. For further information contact Artemide.



# A.39 Sharp Refractive White INTEGRALIS

Carlotta de Bevilacqua  
2021



# WHITE INTEGRALIS

White	Black	Silver	Screens supplied separately.	MacAdam 3SDCM	IP20
			Optional Artemide App interface supplied separately.	L70(9K)=50000h	
<b>01</b>	<b>04</b>	<b>05</b>	The APP driver can not be controlled by DALI dimming system and viceversa.	CRI = 90	
				* 1 DALI address	
				** 2 DALI addresses	
				*** 3 DALI addresses	

## Technical Data

### A.39 SHARP REFRACTIVE EMISSION - SUSPENSION, CEILING DIRECT EMISSION<sup>1</sup>

		W	Luminous Flux <sup>1</sup>	Radiant Flux	CCT	CRI
1184 mm	DAY MODE	35 W	4185 lm	2856 mW	5000 K	90
1480 mm	DAY MODE	43 W	5232 lm	3570 mW	5000 K	90
2368 mm	DAY MODE	70 W	8371 lm	5712 mW	5000 K	90
2960 mm	DAY MODE	86 W	10464 lm	7140 mW	5000 K	90

#### Undimmable

Code
<b>BZ012.01/04/05.INO</b>
<b>BZ015.01/04/05.INO</b>
<b>BZ018.01/04/05.INO</b>
<b>BZ021.01/04/05.INO</b>

#### Dimmable DALI

Code
<b>BZ024.01/04/05.INO*</b>
<b>BZ027.01/04/05.INO*</b>
<b>BZ030.01/04/05.INO**</b>
<b>BZ033.01/04/05.INO**</b>



<sup>1</sup> Direct luminous flux: measured using black louvers.

### A.39 SHARP REFRACTIVE EMISSION - SUSPENSION DIRECT/INDIRECT EMISSION<sup>1</sup>

			W	Luminous Flux <sup>1</sup>	Radiant Flux	CCT	CRI
1184 mm	DAY MODE	Direct emission	35 W	4185 lm	2856 mW	5000 K	90
		Indirect emission	23 W	2267 lm	1749 mW		
1480 mm	DAY MODE	Direct emission	43 W	5232 lm	3570 mW	5000 K	90
		Indirect emission	31 W	3023 lm	2331 mW		
2368 mm	DAY MODE	Direct emission	70 W	8371 lm	5712 mW	5000 K	90
		Indirect emission	50 W	4535 lm	3497 mW		
2960 mm	DAY MODE	Direct emission	86 W	10464 lm	7140 mW	5000 K	90
		Indirect emission	67 W	6046 lm	4662 mW		

#### Undimmable

Code
<b>BZ036.01/04/05.INO</b>
<b>BZ039.01/04/05.INO</b>
<b>BZ042.01/04/05.INO</b>
<b>BZ045.01/04/05.INO</b>

#### Dimmable DALI

Code
<b>BZ048.01/04/05.INO**</b>
<b>BZ051.01/04/05.INO**</b>
<b>BZ054.01/04/05.INO***</b>
<b>BZ057.01/04/05.INO***</b>



<sup>1</sup> Direct luminous flux: measured using black louvers.

#### Louvers

Length
1184 mm
1482 mm
2368 mm
2960 mm

Code
<b>BZ059. 01/04</b>
<b>BZ060. 01/04</b>
<b>BZ061. 01/04</b>
<b>BZ062. 01/04</b>

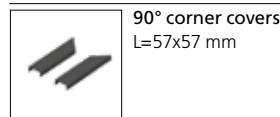
#### Angle element (not lit)

90° suspension/ceiling corner  
(on same plane)  
L=57x57 mm



Code
<b>BH350. 01/04/05</b>

#### Corner cover (not lit)



90° corner covers  
L=57x57 mm

Code
<b>BZ070. 01/04</b>

#### Accessories suspension

Undimmable Feeding kit including 2 suspension cables 2000 mm (3 poles)

Dimmable or APP Feeding kit including 2 suspension cables 2000h mm (5 poles)

Mechanical joint including 1 suspension cable for system

Code
<b>AT10400</b>
<b>AT10500</b>
<b>AT10500APP</b> (Up to 40 DALI addresses)
<b>AT09500</b>

#### Accessories ceiling

End cap kit (2 pcs)

Ceiling bracket and mechanical joint for system

End ceiling bracket (2 pcs)

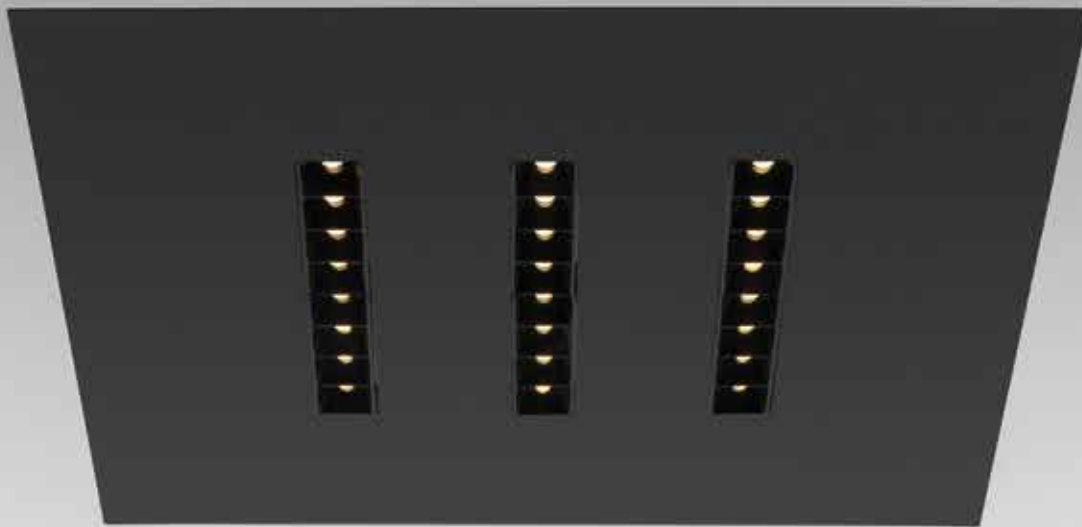
Code
<b>BZ058. 01/04/05</b>
<b>AT09501</b>
<b>AT09502</b>

End cap kit (2 pcs)

<b>BZ058. 01/04/05</b>
------------------------

BLL - DALI interface for Artemide App (with antenna, can be used to control with Artemide App up to 40 DALI driver)

<b>DV1054APP</b>
------------------



# A.39 Sharp Refractive White INTEGRALIS

Carlotta de Bevilacqua  
2021



# WHITE INTEGRALIS

White

Black

XF

Louvres supplied separately.  
DALI electronic driver included.

MacAdam 3SDCM  
L80 (10K) 55000h  
CRI =90  
CCT (K) : 5000K

IP20



01



04



## Technical Data

### A.39 SHARP REFRACTIVE 600X600 RECESSED

	W	Luminous Flux <sup>1</sup>	Radiant Flux	CCT	CRI
DAY MODE	28 W	3140 lm	2142 mW	5000 K	90

Dimmable DALI

Code

**CD0031.01/04.INO**



### A.39 SHARP REFRACTIVE 600X600 CEILING

	W	Luminous Flux <sup>1</sup>	Radiant Flux	CCT	CRI
DAY MODE	28 W	3140 lm	2142 mW	5000 K	90

Dimmable DALI

Code

**CD1031.01/04.INO**



<sup>1</sup> Direct luminous flux: measured using black louvres.

### A.39 SHARP REFRACTIVE 1200X300 RECESSED

	W	Luminous Flux <sup>1</sup>	Radiant Flux	CCT	CRI
DAY MODE	35 W	4185 lm	2856 mW	5000 K	90

Dimmable DALI

Code

**CD0131.01/04.INO**



### A.39 SHARP REFRACTIVE 1200X300 CEILING

	W	Luminous Flux <sup>1</sup>	Radiant Flux	CCT	CRI
DAY MODE	35 W	4185 lm	2856 mW	5000 K	90

Dimmable DALI

Code

**CD1131.01/04.INO**



<sup>1</sup> Direct luminous flux: measured using black louvres.

### Frame for recessed version

Recessed frame for installation on plasterboard false ceiling. A.39 Sharp Refractive 600x600

Code

**M160600**

Recessed frame for installation on plasterboard false ceiling. A.39 Sharp Refractive 1200x300

**CD910000**

### Louvres

A.39 Sharp Refractive 600x600	4X (6pcs)
A.39 Sharp Refractive 1200x300	4X (8pcs)

Code

**BZ063. 01/04**

**BZ059. 01/04**





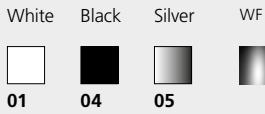
# Sharp Refractive White INTEGRALIS

Carlotta de Bevilacqua  
2022





# WHITE INTEGRALIS



Driver 350mA SELV/SELV120 and louvres supplied separately.

Optional Artemide App interface supplied separately.

MacAdam 3SDCM L70 (9K) 50000h  
CRI =90  
CCT (K) : 5000K

IP20

## Technical Data

### SHARP REFRACTIVE TRIM 8X

	W	Luminous Flux <sup>1</sup>	Radiant Flux	CCT	CRI	Code
DAY MODE	16 W	1815 lm	1238 mW	5000 K	90	<b>CE155.01/04/05.INO</b>



<sup>1</sup> Luminous flux: measured using black louvres.

### SHARP REFRACTIVE TRIM 16X

	W	Luminous Flux <sup>1</sup>	Radiant Flux	CCT	CRI	Code
DAY MODE	32 W	3630 lm	2477 mW	5000 K	90	<b>CE255.01/04/05.INO</b>



<sup>1</sup> Luminous flux: measured using black louvres.

### Louvres



To be used on Sharp Refractive 8x

To be used on Sharp Refractive 16x

#### Code

**CE01.** 01/04

**CE02.** 01/04

### Driver

	Vac	L <sub>mm</sub>	W <sub>mm</sub>	H <sub>mm</sub>	Sharp Refractive	Min. ceiling depth (mm)	
20 W 350mA	220-240	120	52	22	8x	80	Undimmable
20 W 350mA	220-240	120	52	22	8x	80	Push, 0-10V
38 W 350mA	220-240	147	44	30	8x	80	DALI
50 W 350mA	220-240	124	79	22	8x	100	Artemide App
60 W 350mA	220-240	124	79	22	16x	100	DALI, Push, 0-10V

#### Code

**DV1089**

**DV1090**

**DV1091**

**DV1092APP**

**DV1093**

### BLL - DALI interface for Artemide App (with antenna, can be used to control with Artemide App up to 40 DALI driver)

	Vac	L <sub>mm</sub>	W <sub>mm</sub>	H <sub>mm</sub>	Min. ceiling depth (mm)	
	220-240	160	88	33	100	BLL-DALI Interface

#### Code

**DV1054APP**



# A.39 600x600 Diffused Pure INTEGRALIS

Carlotta de Bevilacqua  
2021



# PURE INTEGRALIS

White <input type="checkbox"/>	Artemide App electronic driver included.	Life L70 28400h CRI = 80 CCT= 3600 K	IP20 ⊕
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## ↗ Technical Data

A.39 600X600 DIFFUSED RECESSED*						Artemide App
	W	Luminous Flux	Radiant Flux	CCT	CRI	Code
DAY MODE	39 W	3007 lm	4544 mW	3600 K	80	<b>AT90001IN2APP</b>
NIGHT MODE	54 W	ND	14022 mW			



### Optional control devices - BLL wireless switch

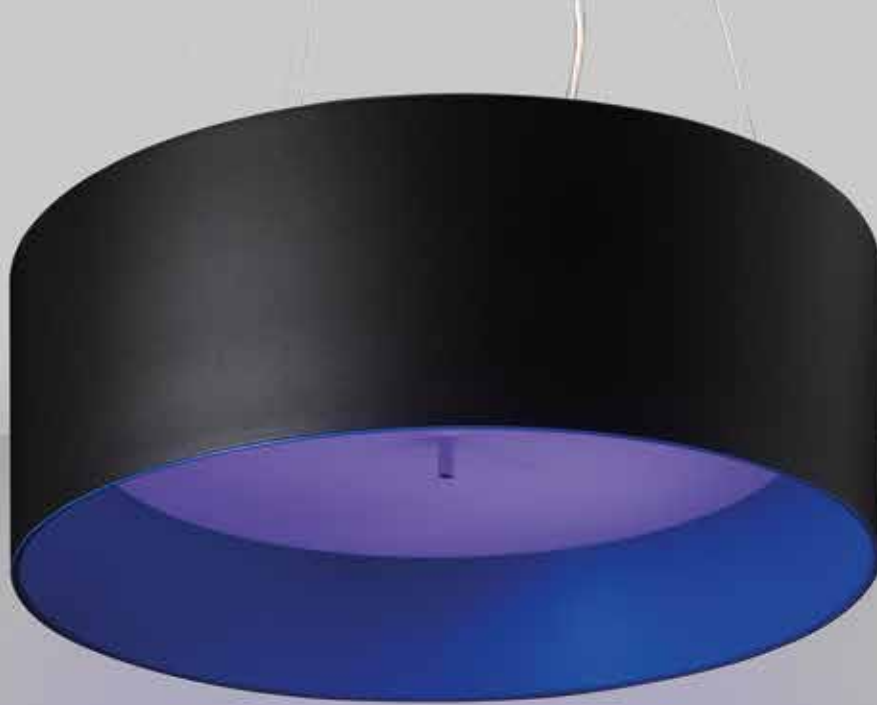


Pure Integralis mode: 2 pushes to enable/disable Antimicrobial action mode (3<sup>rd</sup> contact to control security ring).

### Code

**DV1080APP**

\* ONLY for professional use: contact qualified Artemide personnel to evaluate and validate the applicability in compliance with the minimum installation requirements. Coordination with environmental safety systems and sensors required. Installation must only be performed by qualified personnel. For further information contact Artemide.



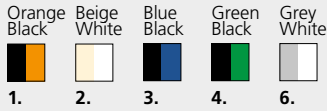
# Tagora 570

# Pure INTEGRALIS

S. / R. Cornelissen  
2021



# PURE INTEGRALIS



220/240Vac 50/60Hz electronic ballast included.  
\* 4 DALI addresses  
\*\* 5 DALI addresses

Life L70 28400h  
CRI = 80  
CCT= 3600 K

IP40  
⊕  
960°

## Technical Data

### TAGORA 570 SUSPENSION<sup>1</sup>

	W	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	95 W	3232 lm	3603 mW	3600 K	80
NIGHT MODE	103 W	ND	10843 mW		

Artemide App

Code

**M2493.1/2/3/4/6.1IN2APP\***



### TAGORA 570 SUSPENSION DIRECT/INDIRECT EMISSION<sup>1</sup>

		W	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	Direct emission	95 W	3232 lm	3603 mW	3600 K	80
	Indirect emission	14 W	1200 lm			
NIGHT MODE		103 W	ND	10843 mW		

Artemide App

Code

**M2403.1/2/3/4/6.1IN2APP\*\***

### TAGORA 570 CEILING<sup>1</sup>

	W	Luminous Flux	Radiant Flux	CCT	CRI
DAY MODE	95 W	3232 lm	3603 mW	3600 K	80
NIGHT MODE	103 W	ND	10843 mW		

Artemide App

Code

**M2483.1/2/3/4/6.1IN2APP\***



### Optional control devices - BLL wireless switch



Pure Integralis mode: 2 pushes to enable/disable Antimicrobial action mode (3<sup>rd</sup> contact to control security ring).

Code

**DV1080APP**

<sup>1</sup> ONLY for professional use: contact qualified Artemide personnel to evaluate and validate the applicability in compliance with the minimum installation requirements. Coordination with environmental safety systems and sensors required. Installation must only be performed by qualified personnel. For further information contact Artemide.



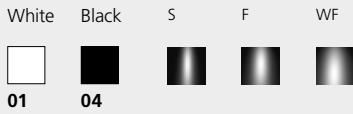
# Vector

# White INTEGRALIS

Carlotta de Bevilacqua  
2021



# WHITE INTEGRALIS



Track version for Onetrack tracks, undimmable or DALI dimmable.  
Magnetic version for A.24 tracks, D.ART dimmable.

MacAdam 3SDCM IP20  
Life L80 (10K) 66000h  
CRI 90

## Technical Data

### VECTOR 55 TRACK 230V

							Undimmable
							Code
DAY MODE	25 W	S 16°	1651 lm	1175 mW	5000 K	90	<b>AN101.01/04.IN0</b>
		F 23°	1686 lm	1224 mW			<b>AN102.01/04.IN0</b>
		WF 32°	1768 lm	1301 mW			<b>AN103.01/04.IN0</b>
							Dimmable DALI
							Code
DAY MODE	25 W	S 16°	1651 lm	1175 mW	5000 K	90	<b>AN106.01/04.IN0</b>
		F 23°	1686 lm	1224 mW			<b>AN107.01/04.IN0</b>
		WF 32°	1768 lm	1301 mW			<b>AN108.01/04.IN0</b>



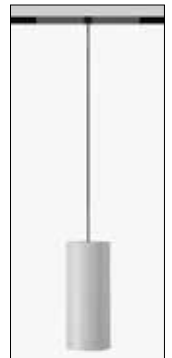
### VECTOR 55 MAGNETIC

							Dimmable DALI
							Code
DAY MODE	23 W	S 16°	1651 lm	1175 mW	5000 K	90	<b>AP101.01/04.IN0</b>
		F 23°	1686 lm	1224 mW			<b>AP102.01/04.IN0</b>
		WF 32°	1768 lm	1301 mW			<b>AP103.01/04.IN0</b>



### VECTOR 55 PENDANT MAGNETIC

							Dimmable DALI
							Code
DAY MODE	23 W	S 16°	1651 lm	1175 mW	5000 K	90	<b>AP301.01/04.IN0</b>
		F 23°	1686 lm	1224 mW			<b>AP302.01/04.IN0</b>
		WF 32°	1768 lm	1301 mW			<b>AP303.01/04.IN0</b>



### Accessories



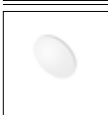
Accessories holder

Code  
**AP91100**



Lens for elliptical emission

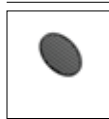
**AP91200**



Soft filter

**AP91300**

### Accessories



Anti-dazzle louvre

Color

Code  
**AP91400**



Adjustable dowsers

●

**AP91500**



# Vector




# Violet INTEGRALIS

Carlotta de Bevilacqua  
2021





# VIOLET INTEGRALIS

White	Black	WF	Track version for Onetrack tracks, undimmable or DALI dimmable. Magnetic version for A.24 tracks, D.ART dimmable.	Life L70 50000h	IP20
					
01	04				






VECTOR 55 TRACK 230V*				Undimmable
	W	Beam	Radiant Flux	Code
NIGHT MODE	21 W	WF 30°	4087 mW	<b>AN103.01/04.IN4</b>
VECTOR 55 TRACK 230V*				Dimmable DALI <sup>1</sup>
	W	Beam	Radiant Flux	Code
NIGHT MODE	21 W	WF 30°	4087 mW	<b>AN108.01/04.IN4</b>




<sup>1</sup>DALI versions can be used ONLY in junction with presence detector and BMS. BMS have to send a switch-off command in case presence is detected.

VECTOR 55 MAGNETIC*				Dimmable DALI
	W	Beam	Radiant Flux	Code
NIGHT MODE	21 W	WF 30°	4087 mW	<b>AP103.01/04.IN4</b>



Accessories		Code	Accessories		Color	Code
	Accessories holder	<b>AP91100</b>		Anti-dazzle louvre		<b>AP91400</b>
	Lens for elliptical emission	<b>AP91200</b>		Adjustable dowsers	●	<b>AP91500</b>
	Soft filter	<b>AP91300</b>				

Optional control devices - BLL wireless switch		Code
	Violet Integralis mode: 2 pushes to enable/disable sanitification mode (3 <sup>rd</sup> contact to control security ring).	<b>DV1080APP</b>

\* ONLY for professional use: contact qualified Artemide personnel to evaluate and validate the applicability in compliance with the minimum installation requirements. Coordination with environmental safety systems and sensors required. Installation must only be performed by qualified personnel. For further information contact Artemide.



# Sharp

# Violet INTEGRALIS

Carlotta de Bevilacqua  
2021



# VIOLET INTEGRALIS

White	Black	Silver	F	WF	XF	Louvres supplied separately. 220/240Vac 50/60Hz electronic ballast included.	Life L70 50000h	<b>IP20</b>
<b>01</b>	<b>04</b>	<b>05</b>						

## ↗ Technical Data

### SHARP SMD

#### SHARP SMD 8X\*

				Undimmable	
	W	Beam		Radiant Flux	Code
NIGHT MODE	24 W	F	20°	6810 mW	<b>AF463.01/04/05.IN4</b>
		WF	36°	6810 mW	<b>AF464.01/04/05.IN4</b>
		XF	52°	6810 mW	<b>AF465.01/04/05.IN4</b>



### Louvres



4X (1pc)

### Code

**AF952.01/04**

\* ONLY for professional use: contact qualified Artemide personnel to evaluate and validate the applicability in compliance with the minimum installation requirements. Coordination with environmental safety systems and sensors required. Installation must only be performed by qualified personnel. For further information contact Artemide.



VIOLET INTEGRALIS

White	Black	Silver	F	WF	XF	Driver 700mA SELV and louvres supplied separately.	Life L70 50000h	IP20
01	04	05						

➤ Technical Data

SHARP RECESSED TRIMLESS

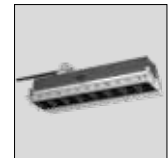
SHARP TRIMLESS 4X\*

	W	Beam		Radiant Flux	Code
NIGHT MODE	11 W	F	20°	3495 mW	<b>AF60600IN4</b>
		WF	36°	3495 mW	<b>AF60700IN4</b>
		XF	52°	3495 mW	<b>AF60800IN4</b>



SHARP TRIMLESS 8X\*

	W	Beam		Radiant Flux	Code
NIGHT MODE	22 W	F	20°	6810 mW	<b>AF65300IN4</b>
		WF	36°	6810 mW	<b>AF65400IN4</b>
		XF	52°	6810 mW	<b>AF65500IN4</b>



SHARP RECESSED TRIM

SHARP TRIM 4X\*

	W	Beam		Radiant Flux	Code
NIGHT MODE	11 W	F	20°	3495 mW	<b>AF106.01/04/05.IN4</b>
		WF	36°	3495 mW	<b>AF107.01/04/05.IN4</b>
		XF	52°	3495 mW	<b>AF108.01/04/05.IN4</b>



SHARP TRIM 8X\*

	W	Beam		Radiant Flux	Code
NIGHT MODE	22 W	F	20°	6810 mW	<b>AF153.01/04/05.IN4</b>
		WF	36°	6810 mW	<b>AF154.01/04/05.IN4</b>
		XF	52°	6810 mW	<b>AF155.01/04/05.IN4</b>



\* ONLY for professional use: contact qualified Artemide personnel to evaluate and validate the applicability in compliance with the minimum installation requirements. Coordination with environmental safety systems and sensors required. Installation must only be performed by qualified personnel. For further information contact Artemide.



# VIOLET INTEGRALIS

White Black



01



04

## Louvres



4X (1pc)

Code

**AF952.01/04**

## Frame for recessed installation



4X

8X

Code

**AF90200**

**AF90300**

## Driver

	Vac	L <sub>mm</sub>	W <sub>mm</sub>	H <sub>mm</sub>	Optic units	Min. ceiling depth (mm)	
20 W 700mA	220-240	125	38	23	4x	60	Undimmable
32 W 700mA	220-240	129,5	42	30	8x	80	Undimmable
25 W 700mA	220-240	164	38	24,5	4x	150 / 130 / 80 / 60	DALI <sup>1</sup>
32 W 700mA	220-240	156	53	26	4x / 8x	90	DALI <sup>1</sup>
48 W 700mA	220-240	125	82	29	4x / 8x	100	DALI <sup>1</sup>
37 W 700mA	220-240	124	79	22	4x / 8x	80	Artemide App

Code

**DV1081**

**DV1004**

**DV1003**

**DV1063**

**M077401**

**DV1082IN4APP**

<sup>1</sup>DALI versions can be used ONLY in junction with presence detector and BMS. BMS have to send a switch-off command in case presence is detected.

## Optional control devices - BLL wireless switch



Violet Integralis mode: 2 pushes to enable/disable  
Antimicrobial action mode (3<sup>rd</sup> contact to control security ring).

Code

**DV1080APP**

# UVC

# INTEGRALIS

## Shorter wavelengths UV irradiation

Ultraviolet rays (100-400 nm) are a type of naturally occurring radiation generated by the sun but only partially found on Earth due to the ozone layer in the atmosphere acting as a filter with a percentage of attenuation up to 100% for wavelengths shorter than UV-C.

By ultraviolet rays we mean electromagnetic waves which are divided into three main wavelength ranges:

- UV-A (315-400 nm) with tanning properties;
- UV-B (280-315 nm) with therapeutic and vitamin synthesis properties "D";
- UV-C (100-280 nm) with germicidal properties.

UV-C rays have the strongest germicidal effect and are most effective at a wavelength of 265 nm.

The germicidal effect of UV-C radiation extends to viruses, bacteria, spores, mould fungi and mites. It is mainly due to the destructive effect exerted by UV-C radiation on their RNA / DNA: in fact, UV-C damages their genetic makeup, preventing their replication.

Viruses, bacteria, spores, fungi, moulds and mites are all sensitive and can therefore be eliminated with UV-C rays respect to different energy doses required.

## **Environmental sustainability**

UV rays are environmentally sustainable.

Environmental chemical pollution is inevitable when using normal disinfectants. There is also the risk that can occur from the direct inhalation of the vapours or from the ingestion of foodstuffs contaminated by contact with these same chemical disinfectants.

Where it is not possible to eliminate the use of chemical disinfectants (food, pharmaceutical, health sectors etc.) the use of ultraviolet rays in disinfection allows a reduction in their quantities of use in favour of greater respect for the environment, while maintaining or improving the degree of disinfection of surfaces and spaces.

UV-C ray devices can be installed in various types of environments and programmed according to cycles capable of ensuring ideal conditions from a hygienic point of view, while eliminating the time and physical presence constraints typical of chemical-based systems that require human intervention. By way of example, the sanitisation of lifts and toilets which can be automated in the absence of people and with a controlled environment.

Currently UV-C rays are used on a daily basis in various industries including the food and pharmaceutical sectors, hospitals, air conditioning and water treatment systems.

All UV-C sources available today, whether they are mercury tubes or LEDs, are subject to a deterioration in performance over time: the expected useful technical lifespan is around 8-10,000 hours.

## Human safety

UV-C radiation can be safely used to disinfect surfaces or objects in a closed environment in the absence of occupants (humans, animals or plants) where the UV light does not escape outside.

Subject to exceptions, the transparency of materials to visible light does not coincide with transparency at UV-C wavelengths: ordinary glass and transparent plastics are opaque to UV-C.

Systems with UV-C sources installed on the wall or ceiling that generate UV-C light without protecting the user from exposure, represent a potential hazard depending on the wavelength, intensity and length of exposure, in view of the fact that UV-C radiation itself cannot be perceived by humans as it does not give out any thermal or other sensation (at least until the damage is manifested) and is not visible.

In fact, as documented in literature, UV-C radiation in the 250-280 nm range is capable of causing serious damage to the eyes and skin. In addition, UV-C radiation is a proven carcinogen for humans for ocular and skin cancers.

The limit values set by current legislation in relation to the use of germicidal lamps with UV-C 180-250 nm emission have recently been confirmed by the SCHEER (Scientific Committee on Environmental Health and Emerging Risks) in relation to the evidence that accidental exposure to UV-C generated by germicidal lamps in this wavelength range can cause serious skin damage, burns and severe forms of photokeratitis and photoconjunctivitis to subjects unknowingly exposed even for short periods (SCHEER - Health effects of UV-C lamps 2017).

Therefore, to prevent damage from accidental exposure, it is essential that the sources are turned on only if the presence of people, animals or plants in the irradiation area is excluded.

Since this is an application to be carried out in the absence of people, the difference between a safe quality project and an application that is dangerous or harmful to humans and other living beings arises from knowledge of the subject and by compliance with the current regulations in force on this matter, as well as in the implementation of multiple and various levels of safety to guarantee the correct use of the technology which must be properly integrated in the design of the environment.

Artemide proposes the use of **integrated and non-integrated UV-C systems intended as equipped with double emission (UV-C and visible light) or UV-C only.**

Artemide offers devices with safety sensors, which must be further combined and integrated with the safety system of the spaces in which the product is installed and which involves the installer and the space manager.



## **Surface sanification and UV materials resistance**

When a UV-C source is activated, a marked reduction in the microbes present in the ambient air and on the surfaces reached by the UV rays can be obtained, depending on the energy emitted.

Even where the use of chemical disinfectants is foreseen, irradiating the surfaces avoiding shaded areas (in the absence of people) with appropriate fast cycles can avoid the rapid recontamination of the surfaces and keep them in constant optimal conditions from a microbiological point of view.

An important aspect that should not be underestimated is the UV-C resistance of the finishing materials. Since these are very energetic wavelengths, the materials subjected to this type of radiation can show premature aging of an aesthetic and / or mechanical nature. The materials that have proved to be the most resistant are metals and ceramics, while plastics (unless properly treated), fabrics, wood and other materials of an organic nature have shown poor resistance to UV-C.

This is a fundamental variable to consider in the design phase, which will guide the project towards the choice of a specific technology not only for its antimicrobial effectiveness but also for its sustainability as dictated by the expected duration of an architectural space.

## **Air sanification**

Viruses, bacteria and moulds, animal residues, mites and pollen are among the main causes of dangerous infections and allergies. Each of these contaminants disperses in a different way.

Some, such as mites, spores and moulds, are continuously transported by the air, others like bacteria and viruses, "cling" to solid particles, such as the spores themselves or droplets of moisture and are breathed in by humans.

In the presence of an air conditioning system, when contaminants enter the air treatment plant (or AHU) and the channels that distribute it, the system itself, being dark and humid, becomes a fertile ground for their growth and multiplication, rendering the air that we breathe dangerous.

Irradiating the air inside the centralised system or setting up an air purifier complete with UV lamps reduces the chances that these pollutants can proliferate or be dispersed into the environment.

To complete the INTEGRALIS® technology eco-system, which acts by irradiating surfaces with appropriate wavelengths, Artemide is also developing a complementary system for air sanitisation.



# Dual Function Line UVC INTEGRALIS

Carlotta de Bevilacqua, Fabio Zanola  
2021



# UVC INTEGRALIS + WHITE LIGHT

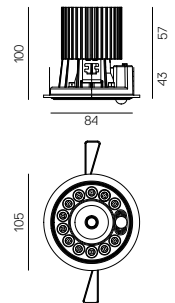
Custom driver 48 Vdc SELV input for power both white light channel (500 mA) or UV-C channel (150 mA) separately.

Consider the power of white light channel for sizing of the SELV power supply.

White Light  
MacAdam 3SDCM  
Life L80 (9K) 50000h  
CRI = 90

## DUAL FUNCTION LINE RECESSED\*

	W	Flux	CCT	Radiant Flux	Code
DAY MODE	20 W	1400 lm	3000 K		<b>on demand</b>
NIGHT MODE (UV-C Emitter)	12 W	-	$\lambda_{peak}$ : 274nm	138mW	



## DRIVER

	Vdc	Code
50 W	48	<b>on demand</b>
100 W	48	<b>on demand</b>
200 W	48	<b>on demand</b>

\* ONLY for professional use: contact qualified Artemide personnel to evaluate and validate the applicability in compliance with the minimum installation requirements. Coordination with environmental safety systems and sensors required. Installation must only be performed by qualified personnel. For further information contact Artemide.

\* Availability: soon available



# Sharp

# UVC INTEGRALIS

Carlotta de Bevilacqua  
2021



XF

Driver 100mA SELV  
and louvres supplied separately.



## Technical Data

### SHARP RECESSED TRIMLESS

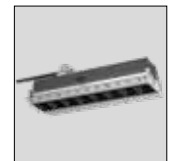
#### SHARP TRIMLESS 4X\*

W	Beam	Radiant Flux	Code
3 W	XF 52°	28 mW	<b>on demand</b>



#### SHARP TRIMLESS 8X\*

W	Beam	Radiant Flux	Code
6 W	XF 52°	56 mW	<b>on demand</b>



### SHARP RECESSED TRIM

#### SHARP TRIM 4X\*

W	Beam	Radiant Flux	Code
3 W	XF 52°	28 mW	<b>on demand</b>



#### SHARP TRIM 8X\*

W	Beam	Radiant Flux	Code
6 W	XF 52°	56 mW	<b>on demand</b>



### LOUVRES



4X (1pc)

Code  
**AF952.01/04**

### FRAME FOR RECESSED INSTALLATION



4X  
8X

Code  
**AF90200**  
**AF90300**

\* ONLY for professional use: contact qualified Artemide personnel to evaluate and validate the applicability in compliance with the minimum installation requirements. Coordination with environmental safety systems and sensors required. Installation must only be performed by qualified personnel. For further information contact Artemide.

\* Availability: soon available

Ilio    Athena    Mimesi    Pipe family    Nur family    Nur Acoustic    Discovery family    Tolomeo LED    Vine Light table



**WHITE**



**WHITE - VIOLET**



**PURE**



**VIOLET**

**UVC**

# INTEGRALIS<sup>®</sup>

## products matrix

Tagora 570

A.39


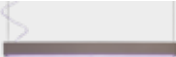














A.39  
600x600  
Diffused

A.39 Sharp  
Refractive

Vector 55

Sharp

Dual Function  
Line

# INTEGRALIS® follows the rhythm of life in every space



Helvetia Patria, St. Gallen, Svizzera. Project by Hezorg&DeMeuron





Health & Hospital

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Workplaces &  
Education

---

Hospitality

---

Wellness

---

Retail

---

Sport

---

Connectivity

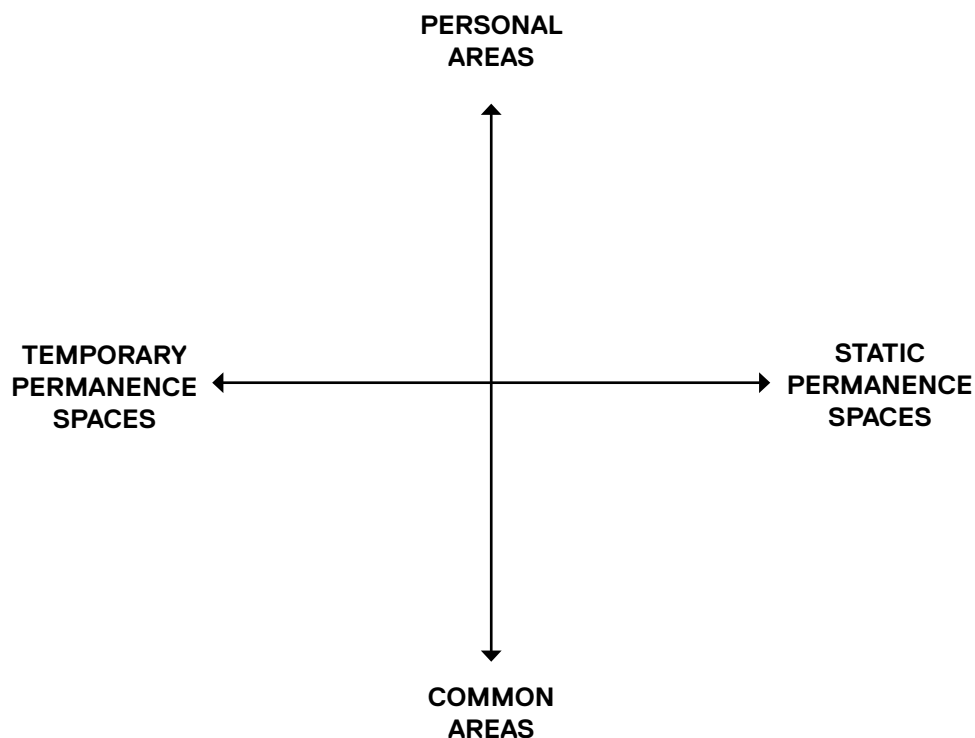
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Transportation

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# INTEGRALIS<sup>®</sup> applications

INTEGRALIS<sup>®</sup> follows the rhythm of life. It is transversal in applications and support the human activities in common or personal spaces according to different people permanences.







Health & Hospital \_ Hall, common areas as cantine and bar, medical area & gym, public restroom, private room & restroom, wellness area \*



Health & Hospital

Bar and gym area, Korian Heliopolis Hospice, Binasco (Milan) - 2021

Tagora 570 Pure INTEGRALIS - Night Mode and A.39 Diffused Emission Pure INTEGRALIS - Day Mode





Health & Hospital  
Patient room, Korian Heliopolis Hospice, Binasco (Milan) - 2021  
Tagora 570 Pure INTEGRALIS - Night Mode

Health & Hospital  
Kitchen area, Korian Heliopolis Hospice, Binasco (Milan) - 2021  
A.39 Diffused Emission Pure INTEGRALIS - Night Mode







Health & Hospital  
Meeting room, Korian Heliopolis Hospice, Binasco (Milan) - 2021  
A.39 600x600 Diffused Pure INTEGRALIS - Night Mode





Health & Hospital  
Corridor, Surgery department, Hospital, Milan - 2022  
A.39 Diffused Emission Pure INTEGRALIS - Day Mode

Health & Hospital  
Restroom, Surgery department, Hospital, Milan - 2022  
A.39 Diffused Emission Pure INTEGRALIS - Night Mode





Health & Hospital  
Patients room, Surgery department, Hospital, Milan - 2022  
A.39 Controlled Emission Pure INTEGRALIS - Day Mode



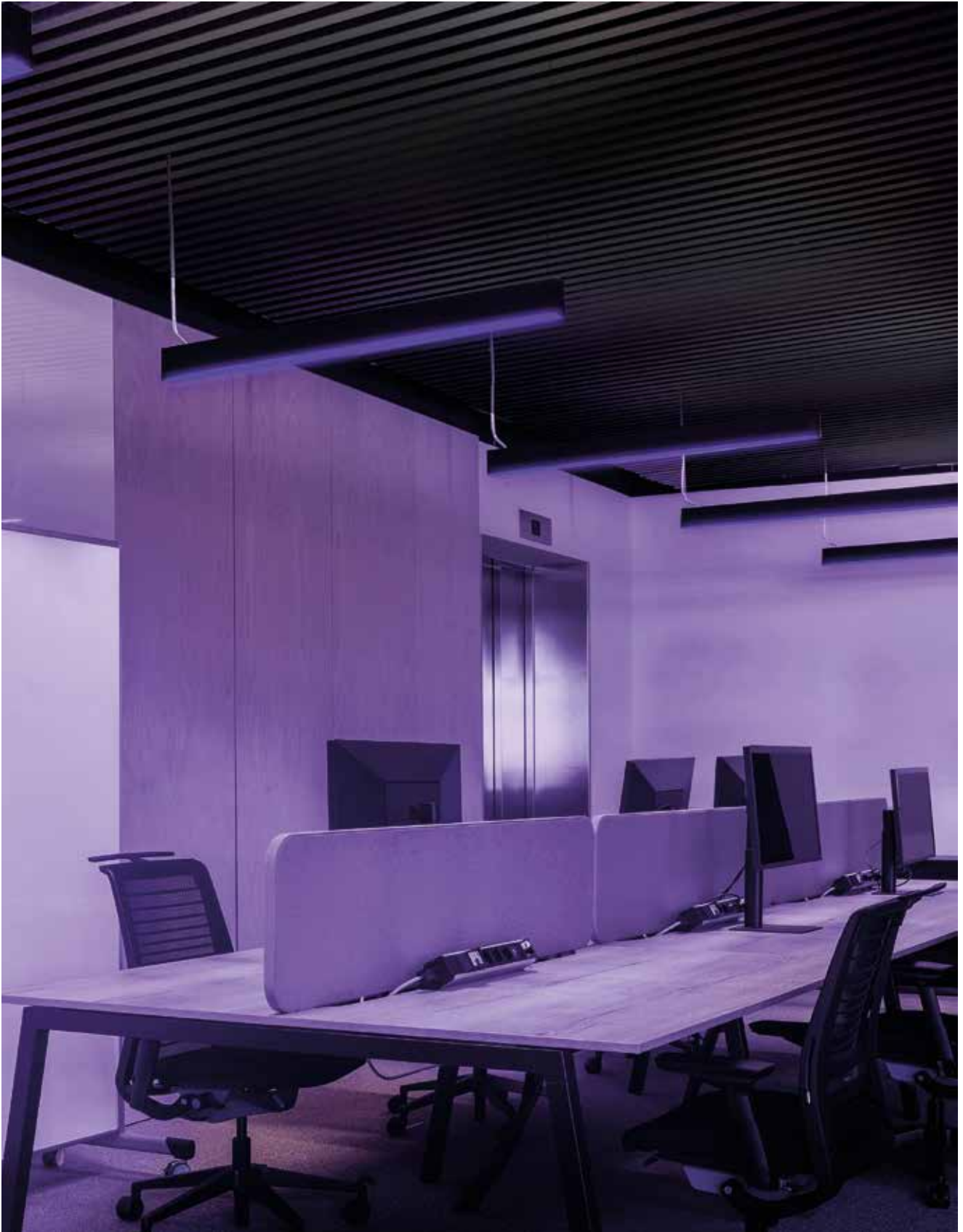




Workplaces & Education \_ Hall, amenity space, cantine, open space area, private office, phone-booth, public restroom, playroom, reading room & library, classroom \*







Workplaces & Education \_ Hall, amenity space, cantine, open space area, private office, phone-booth, public restroom, playroom, reading room & library, classroom \*

Workplaces & Education  
Meeting area, Artemide Innovation Centre, Pregnana Milanese (Milan) - 2022  
Tagora 570 Pure INTEGRALIS - Night Mode





Workplaces & Education  
Open space office, Artemide Innovation Centre, Pregnana Milanese (Milan) - 2022  
A.39 Controlled Emission Pure INTEGRALIS - Night Mode







Hospitality \_ Restaurant, kitchen area \*







Hospitality \_ Hall, lounge, restaurant, kitchen area, public restroom, private room & restroom \*





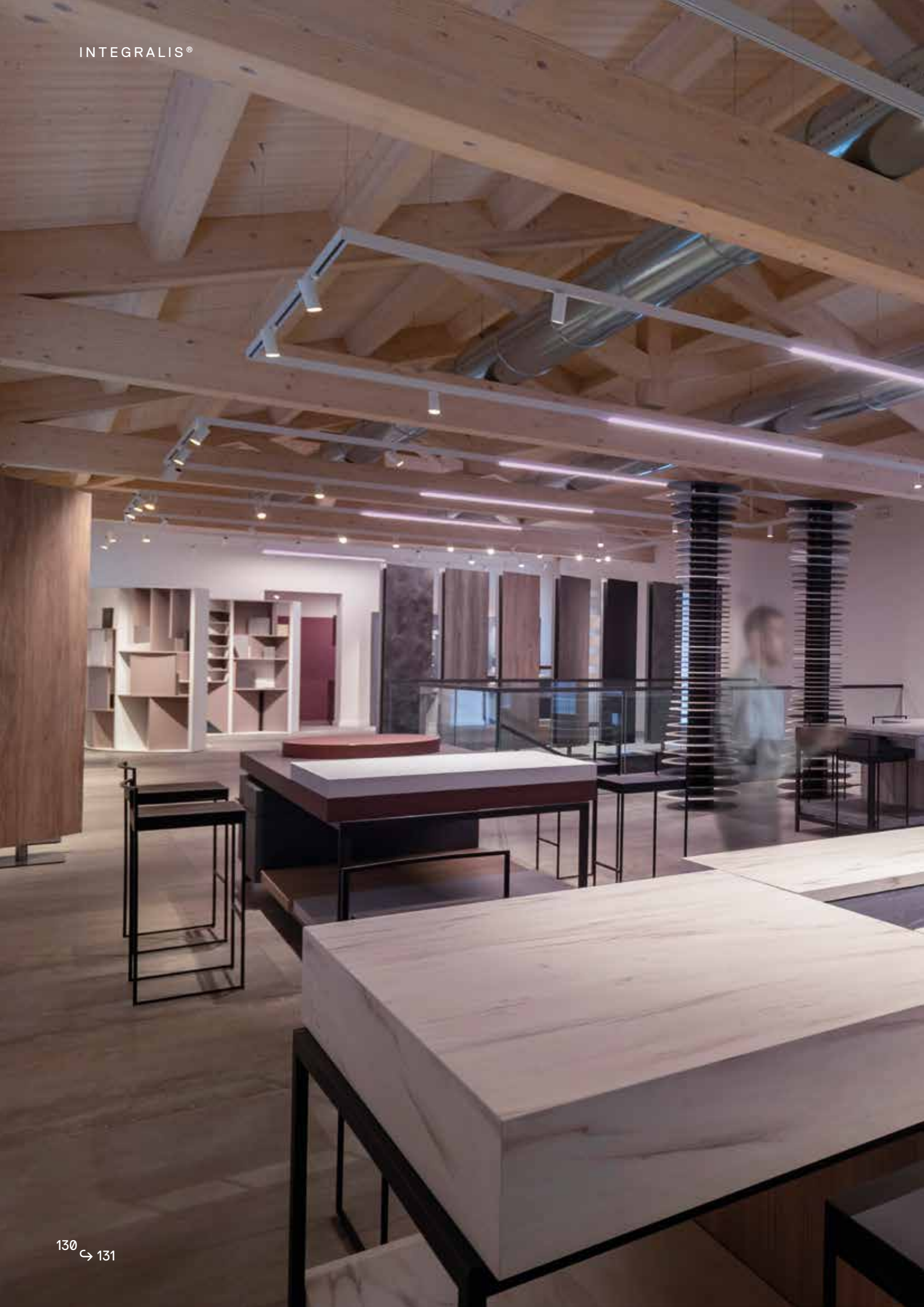






Residential and private spaces \_ Living room, kitchen, bathroom, bedroom \*







Retail \_ Stage area, counter area, changing room, lift, public restroom \*







Sport \_ Hall, common area, bar, gym area, classroom area, changing room, public restroom \*





\* Indicative images for INTEGRALIS® application, not references of installed projects.



Connectivity \_ Corridor, stair, lift \*



# INTEGRALIS<sup>®</sup> management

INTEGRALIS<sup>®</sup> is Artemide App compatible.  
The dose and the duration of use can be controlled easily  
using Artemide App.

## Artemide App

Artemide designs products and services to allow a more advanced and flexible use thereof.

Artemide App is a user-friendly and intuitive interface that can be used as a daily tool for private use and as well as a project variable for workplace and retail, public and urban spaces. Man is the centre of the project, the orchestra director of his light concerto.

Artemide App is an intelligent tool that allows you to easily enter spaces, even unexpectedly. In fact, it does not require any specific wiring, the dialogue between the fixtures and the application takes place through the wireless device present in the lamp. This represents an important saving of time and costs during installation and the freedom to fit into any space, even at the last minute with a complete and dynamic lighting project.

## Artemide App for INTEGRALIS<sup>®</sup>

The control with Artemide App, thanks to a simple and intuitive interface, facilitates the user in choosing the most suitable control mode according to the chosen INTEGRALIS<sup>®</sup> technology.

The integration with presence sensors and wireless switches ensures the total safety for humans especially in Antimicrobial action and Sanification (NIGHT MODE and UV-C).

In fact, these performances are immediately deactivated in case of human presence detected by the sensor.

To see more details about the **Artemide Safety Management System** see the corresponding section in the INTEGRALIS<sup>®</sup> technical addendum.



Artemide App user interfaces for different INTEGRALIS® technologies

 PURE INTEGRALIS



In PURE INTEGRALIS the two activable modes are: MICROBIAL GROWTH CONTROL and ANTIMICROBIAL ACTION. Light intensity can be adjusted (10-100% in PURE INTEGRALIS) in MICROBIAL GROWTH CONTROL only.

 WHITE-VIOLET INTEGRALIS



In WHITE-VIOLET INTEGRALIS the two activable Antimicrobial modes are: MICROBIAL GROWTH CONTROL and STRONGER MICROBIAL GROWTH CONTROL.

Light intensity can be adjusted in 0-100% in MICROBIAL GROWTH CONTROL only. Furthermore, the white light only is dimmable alone (0-100%).



## WHITE INTEGRALIS



In WHITE INTEGRALIS the activable mode is MICROBIAL GROWTH CONTROL. Light intensity can be adjusted 0-100%.

### Dedicated user interfaces

Artemide developed internally the specific interface for each INTEGRALIS® technology.

Depending on the Antimicrobial action chosen in real-time or programmed through the scheduling function, the interface displays specific icons so as to immediately communicate to the user the action that the lamp is carrying out.

These same icons also play the role of buttons acting as recalling of the corresponding setting.

An alert icon, at the top right, also informs the end-user about the possible human presence during the specific function, thus increasing his awareness in using the lighting device in total safety.

Consistently with the traditional controls of the Artemide App, through the four buttons at the bottom it is possible to recall three different scenes with different dimming levels of both white and antimicrobial light, up to the total switching off of each light performance through the OFF button.



Artemide APP user interfaces for PURE INTEGRALIS  
Commands explanation



product dedicated violet icon

product name

the user is advised that human presence is allowed

**MICROBIAL GROWTH CONTROL** icon and button

Light Intensity regulation 10% - 100% in MICROBIAL GROWTH CONTROL (DAY MODE)

scenes recalling and setting

Light Intensity regulation 50% and 10% (minimum) in MICROBIAL GROWTH CONTROL (DAY MODE)





product dedicated violet icon

product name

the user is advised that human presence is NOT recommended

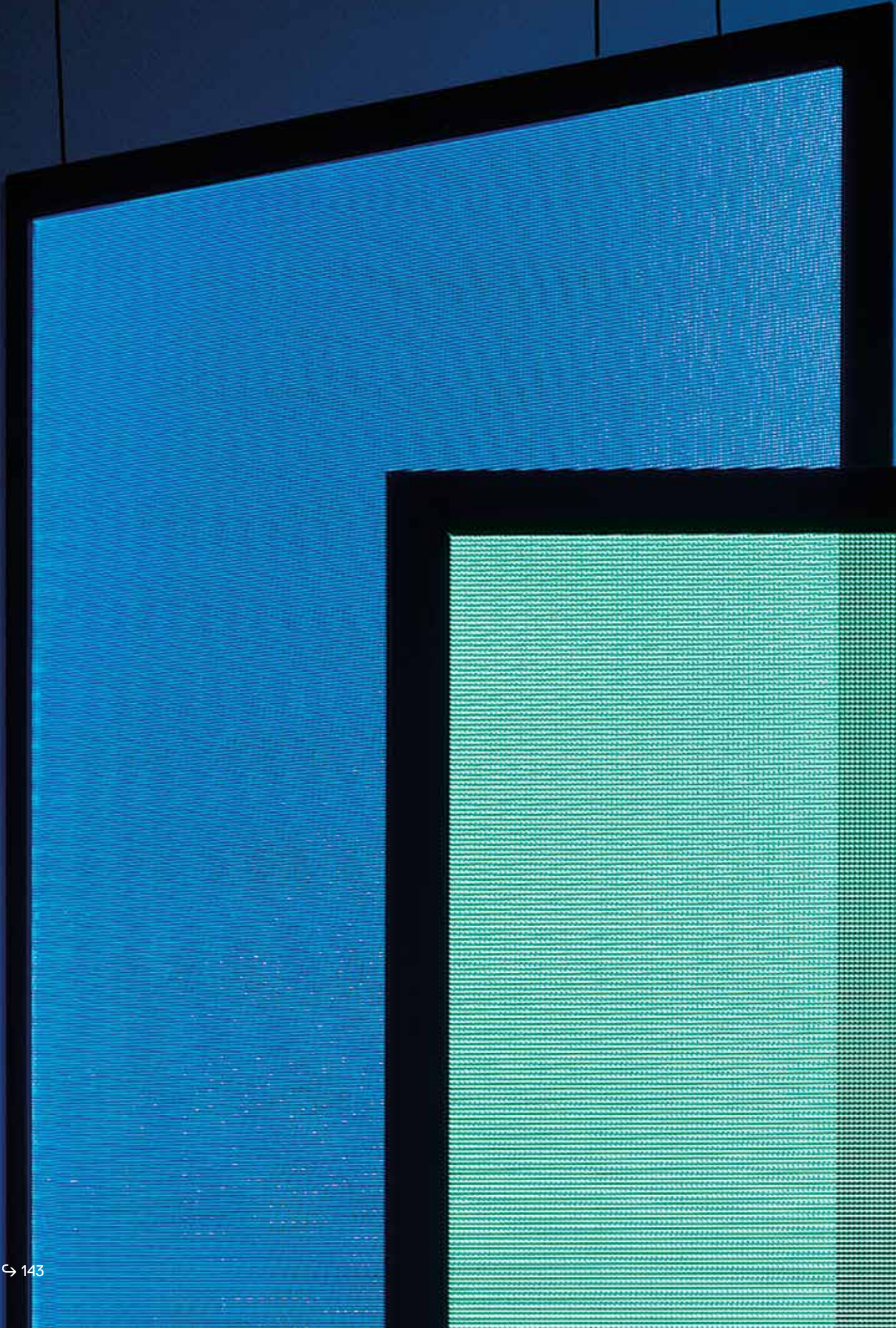
**ANTIMICROBIAL ACTION** icon and button

Light Intensity NOT adjustable in ANTIMICROBIAL ACTION (NIGHT MODE)

scenes recalling and setting

Options







INTEGRALIS®

shapes the future  
we want to inhabit



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2022 updated version. V.2

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