

■ Dare to be

# *innovative*

SMART LIGHTING  
SYSTEMS

CONNECTED, SIMPLE, SCALABLE

**esse-ci**  
LIVING LIGHT

[esse-ci.com](http://esse-ci.com)



Esse-Ci presents innovative technologies for smart lighting, designed to *improve energy efficiency and comfort*. Advanced control systems allow for intuitive and personalized management of lighting, creating atmospheres for every need while optimizing energy consumption.

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**ESSE-CI  
WIRELESS  
SYSTEM**

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CAS  MBI

**Esse-Ci Wireless System** is presented as an integrated and **completely automated ecosystem**, ideal for new builds, renovations, or the modernisation of installations.

Thanks to the integration of sensors, it offers a cutting-edge lighting solution which eliminates the need for wiring, while **ensuring comfort, energy efficiency, and safety**, with a coordinated aesthetic.

# Esse-Ci Wireless System

→ **More comfort,  
less consumption**

**Over 75% of office  
lighting is obsolete.\***

The energy saving potential in office buildings is significant. Beyond reducing operational costs, increasing productivity and creating an atmosphere of well-being in the workplace through good lighting are also of great importance.

\*source: BPIE (Buildings  
Performance Institute Europe)

**High-quality  
lighting solutions  
- integrated with  
Esse-Ci sensors  
- contribute to  
improving visual  
comfort and  
well-being in the  
workplace.**

When combined with intelligent lighting control, the luminaires create a pleasant atmosphere and save energy. Integrated sensor technology controls the output based on daylight levels or occupancy, and adjusts the illuminance and colour based on environmental factors.



**45%**

of an office's energy costs can be saved by using management systems.



**19%**

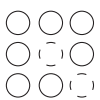
of the total energy consumption of non-residential buildings is accounted for by lighting.

comfort  
energy efficiency



Wireless System is Esse-Ci's home automation system for wirelessly managing a lighting system.

Designed for both the consumer market and the professional market, the system is the result of **combining Casambi components**, a leader in wireless lighting control solutions, and **Esse-Ci lighting fixtures**.



**The Power of Numbers**

Casambi mesh networks expand automatically as more devices are added. They can progressively grow up to 250 devices without the need for a central connection hub.



**No single point of vulnerability**

In this system, each individual device acts as both a receiver and a transmitter. This distributed nature enables the system to remain operational even if individual units fail, with the ability to recover once the devices come back online.



**Self-healing capability**

In a mesh network, data is automatically rerouted to prevent connection interruptions, while devices that are switched on automatically obtain the complete current state of the network from the nearest Casambi device.

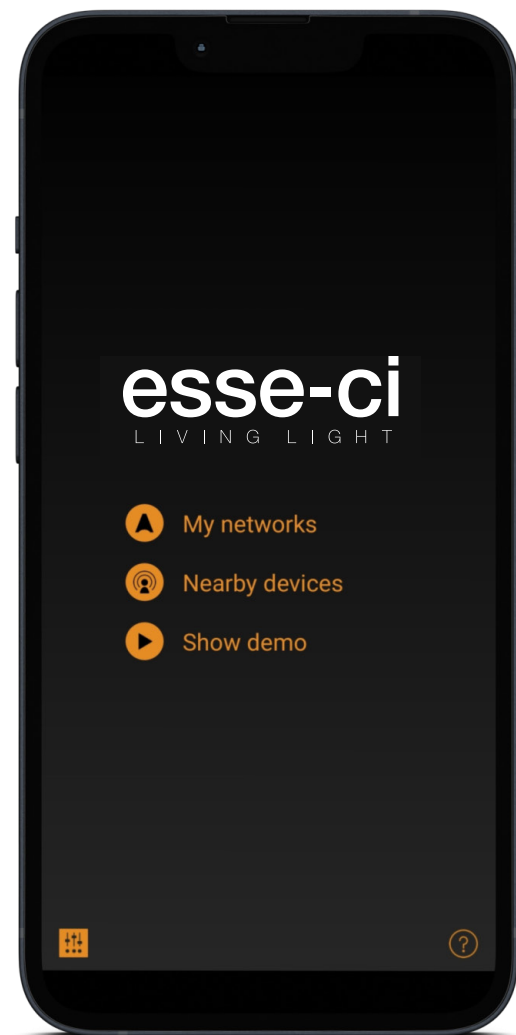


**No additional network connectivity needed**

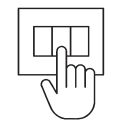
Bluetooth is a WPAN (Wireless Personal Area Network) technology capable of operating without an Internet connection.







The user, using a mobile device and the dedicated app, configures the system by saving the desired functions (page 13) in the luminaires.



PUSH-DIM CONTROLS FOR MANUAL OPERATION (THIRD-PARTY SOLUTION).



DIMTBT CASAMBI WIRELESS INTERFACE

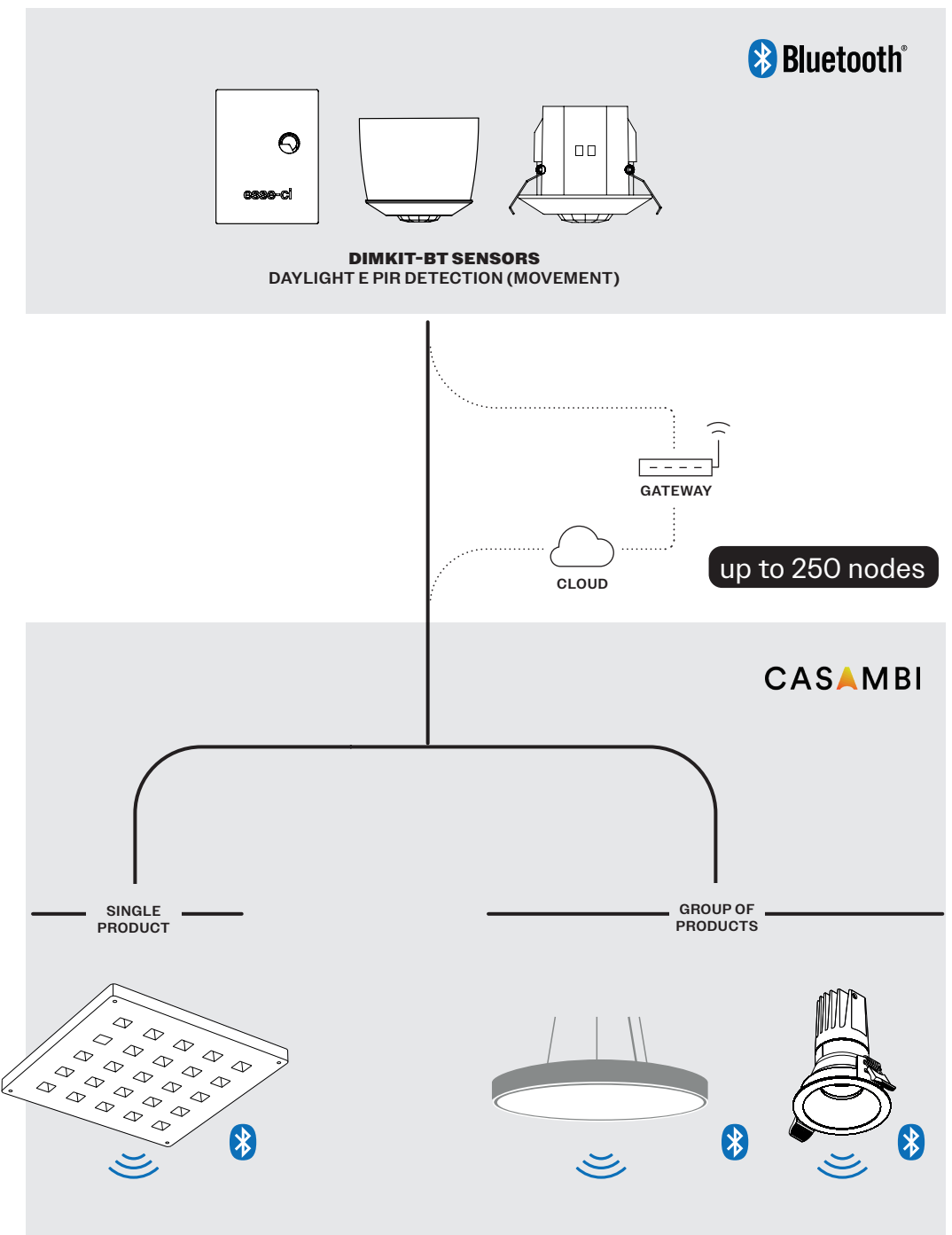
It also provides compatibility with **Push-Dim** commands for manual control and the **DIMTBT Wireless Casambi Interface**

Esse-Ci Wireless System is not only agile but also **easy to configure**. This is thanks to the intuitive Casambi App, which allows you to manage the light with complete simplicity.

# Functionality

It is **self-managing** after initial configuration via the App, without requiring additional wiring

→ Esse-Ci Wireless System Environment



System automation is achieved through the integration of sensors that detect daylight and motion/presence (PIR - Passive InfraRed).

This intelligent network can support up to 250 nodes (sensors, control devices, and luminaires/fixtures) and allows for autonomous operation with no single points of failure, eliminating the need for an internet connection, except for synchronization or remote access.



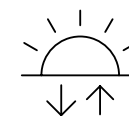


## A wide range of functionalities



### Presence Sensor

The system supports motion sensors to ensure that only the right light is used at the right time.



### Sunrise and Sunset

By setting timezone and location, the units can calculate sunrise/sunset times and schedule the lighting.



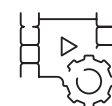
### Responsive Human Lighting

Recreates the natural rhythms of light indoors, designed to improve psychophysical well-being, concentration, and efficiency.



### Types of Control

→ Switches and push-buttons (manual control)  
→ App (manual digital control)  
→ Sensors (automatic digital control).



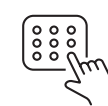
### Scene Setup

Create multiple lighting scenes to meet the changing needs within a space.



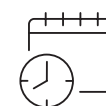
### Grouping

All grouped luminaires can be controlled synchronously and/or programmed for individual control.



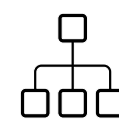
### Gallery

Upload photos of a space or a floor plan and mark the positions of the luminaires within the images.



### Calendar & timer

Scenes and animations can be scheduled to turn on and off according to personal needs.



### Control Hierarchy

The control hierarchy in the Casambi app facilitates cooperation between manual and automated lighting controls.



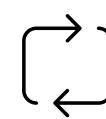
### Gateway

Integration with a Casambi Gateway for remote access to control and setup functionalities of the lighting system.



### Scalability

From a single-room setup to larger configurations: Casambi allows controlling multiple networks simultaneously.



### Synchronization

Casambi devices form a synchronized self-organizing network. The more nodes installed, the further the signal can travel.



# Applications

Offices, commercial or industries:  
Wireless System is perfect for integrating modern lighting without wiring.

## → Offices

### Open space

Motion sensors can detect the presence of people and automatically activate the lighting. If an area remains inactive for a period, the sensors can gradually reduce light intensity or turn off the lights completely.

### Meeting rooms

Ability to create predefined lighting scenes for different activities such as presentations, video conferences, or brainstorming sessions. The light can be adjusted in intensity and color temperature to suit the desired atmosphere and improve the quality of meetings.

### Corridors and transit areas

The integration of presence sensors with Casambi allows lighting to be activated only when needed, reducing energy waste and costs. Particularly useful in areas such as corridors, stairs, and bathrooms, where lights often remain on unnecessarily.

## → Public buildings

### Schools

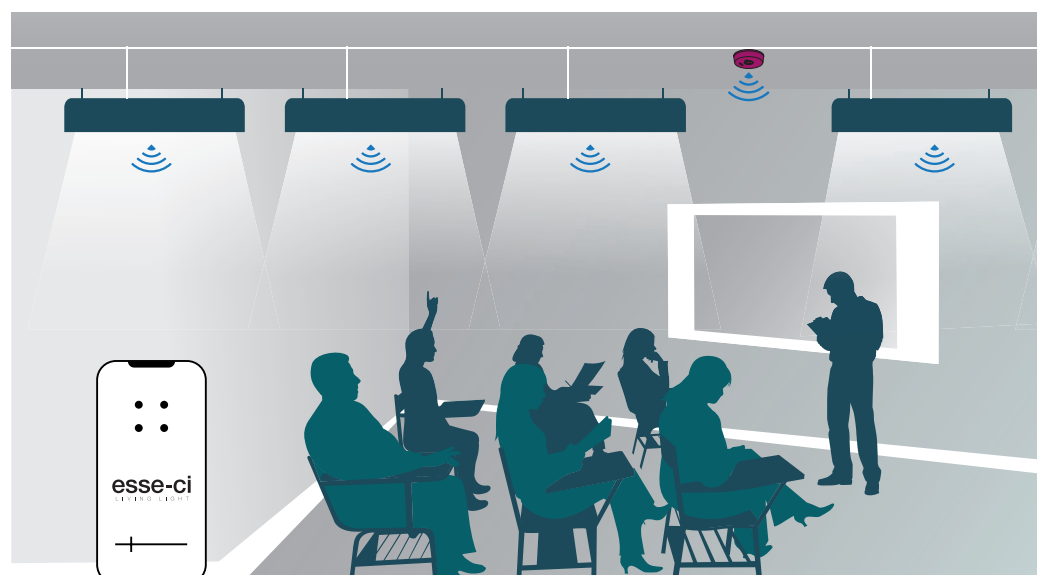
Efficient lighting management in classrooms, corridors, and libraries.

### Hospitals

Creation of a comfortable and safe environment for patients and staff, with adequate lighting in corridors, waiting rooms, and patient rooms.

### Museums & Libraries

Automatic lighting adjustment based on visitor presence and natural light, while protecting artworks and books.



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## → Commercial buildings

### Shops

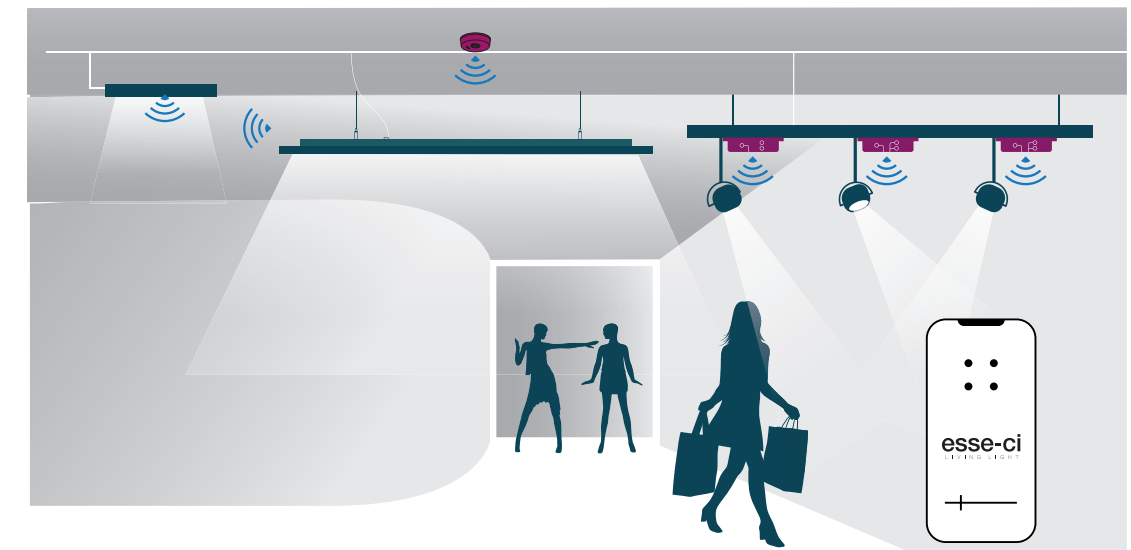
Creation of a welcoming and inviting atmosphere for customers, with automated dynamic lighting that adapts to different areas of the store, including display windows.

### Restaurants & Bars

Lighting adjustment to create the right atmosphere based on the time of day and the number of customers.

### Hotels

Optimization of energy consumption in rooms, corridors, and common areas, while enhancing the guest experience.



## → Industrial spaces

### Energy saving and comfort

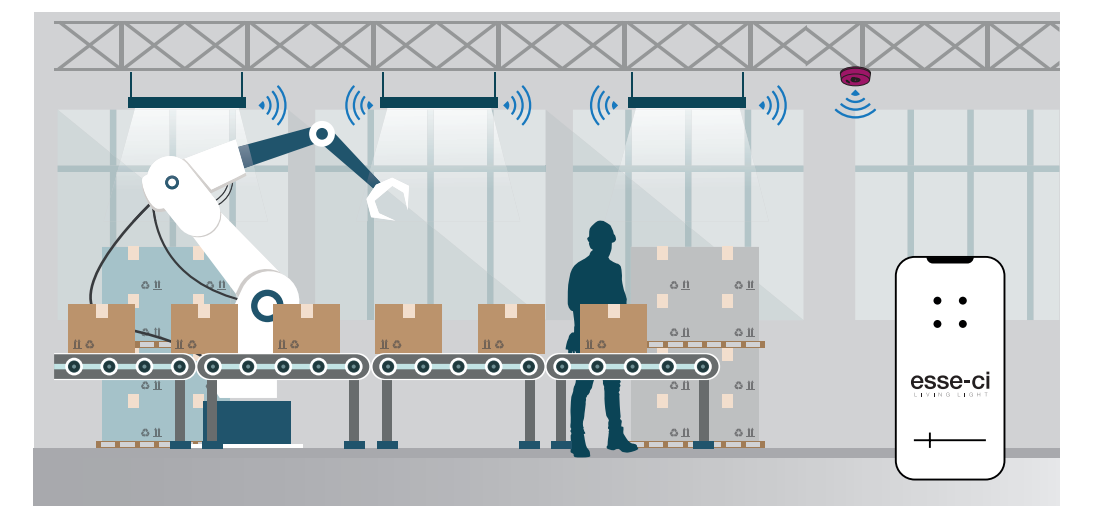
Optimize consumption with presence and daylight sensors, adjust lighting based on needs, and improve employee comfort.

### Flexibility and control

The Casambi app allows you to customize lighting, create lighting scenes, and manage the system easily and intuitively from a smartphone or tablet.

### Simplified Integration

Being wireless, Casambi is easily installed and integrates with other building automation systems, such as sensors and timers, for a complete and modern solution.



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→ **Restricted ceilings, on-board sensor installation**



**Required fixtures**

**Configuration and manual control**



ESSE-CI PRODUCTS WITH CASAMBI BLUETOOTH DRIVER



DIMKITBTC LIGHT / PRESENCE SENSOR FOR ON-PRODUCT INSTALLATION



essee-ci



PUSH-DIM COMMAND FOR MANUAL CONTROL (THIRD-PARTY SOLUTION)



DIMTBT CASAMBI WIRELESS INTERFACE

→ **Surface-mounted or recessed sensor installation**



**Required fixtures**

**Configuration and manual control**



ESSE-CI PRODUCTS WITH CASAMBI BLUETOOTH DRIVER



DIMKITBTC LIGHT / PRESENCE SENSOR FOR RECESSED OR SURFACE-MOUNTED INSTALLATION



essee-ci



PUSH-DIM COMMAND FOR MANUAL CONTROL (THIRD-PARTY SOLUTION)



DIMTBT CASAMBI WIRELESS INTERFACE



# On-board sensor

Installation of the DIMKITBTFC sensor for suspended luminaires, directly on the lamp body.



**The DIMKITBTFC sensor is designed to be installed directly on the luminaire body.**  
The sensor is powered directly from the driver via a simple two-wire connection, utilizing through-wiring.

- Passive infrared (PIR) technology with adjustable sensitivity to reduce false detections;
- 2.4 GHz mesh network technology for reliable and secure wireless communication;
- Compatible with gateway solution for remote control and system management;
- Allows management of nodes up to 250 wireless devices (luminaires-sensors-push-buttons).

DAYLIGHT DETECTION

PRESENCE DETECTION

CONTROL VIA CASAMBI APP

+50°C / -20°C

3M MAX INSTALLATION HEIGHT

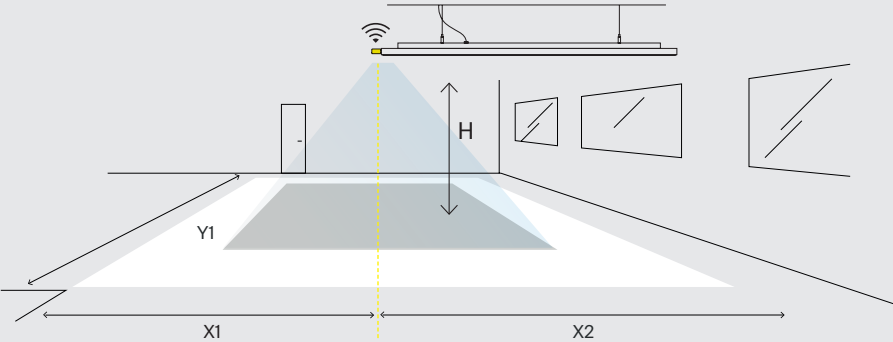
PUSH-DIM COMMAND FOR MANUAL CONTROL (THIRD-PARTY SOLUTION)

IP20

## → Motion Field of View

The sensor detects motion via PIR technology, with a field of view that extends based on the installation height. The detection field of view table shows the diameter of the area covered by the sensor at different heights.

Height	Area			Diameter
H	X1	X2	Y1	D
2.5 m	2.0 m	1.0 m	1.4 m	4.5 m
2.7 m	2.1 m	1.1 m	1.6 m	4.9 m
3.0 m	2.3 m	1.2 m	1.7 m	5.4 m
4.0 m	3.1 m	1.6 m	2.3 m	7.2 m

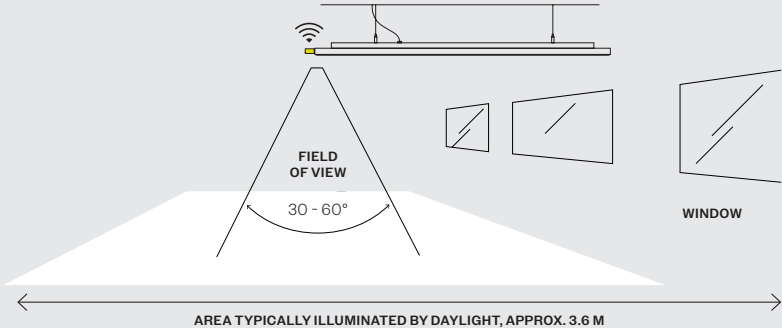


For offices, a maximum height of 3 meters is recommended, while for corridors it can go up to 4 meters.

## → Light Sensor Field of View

The DIMKITBTFC's light sensor measures light in a conical field of view with an opening angle between 30° and 60°. **The detection range is between 10 and 2.000 lx.**

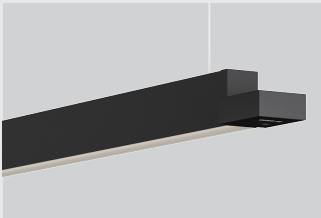
As a guideline, the formula  $0.72 \times H$  can be used to calculate the minimum horizontal distance between the window and the sensor, where H is the vertical height of the sensor measured from the bottom of the window.



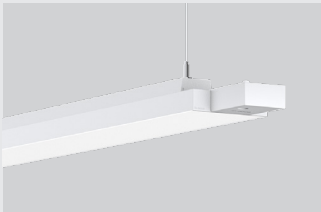


Technical Data	Values
Sensor type	PIR Sensor
Supply voltage	9,5 - 22,5 V
Current consumption	9 mA (30 mA at startup)
Typical power consumption	0,13 W
Mounting height	5 m
Mounting hole	See mounting variants in the datasheet
Installation type	Zhaga Book 20
Maximum cable length	2 m
Detection angle for PIR detection	84°
Detection angle for light measurement	30° - 60°
Detection range for light measurement	10 - 2.000 lx
Minimum temperature difference between ambient temperature and detected object	± 4 °C
Operating frequencies of the radio transceiver	2,4 - 2,483 GHz
Maximum output power of the radio transceiver (E.R.I.P.)	< +20 dBm
Radio protocol	Bluetooth 4.0
Mesh network capacity	Up to 250 nodes
Interface	Digital interface according to IEC 62386
Ambient temperature (TA)	-20... +50 °C
Case temperature (TC)	60 °C
Storage temperature (TS)	-20... +60 °C
Dimensions (L x W x H)	48,1 x 21,1 x 25,8 mm
Housing body material	Polycarbonate
Protection type	IP20
Lifetime	up to 50,000 h
Warranty	5 years

→ Compatible products for continuous rows



TWOS  
ID54



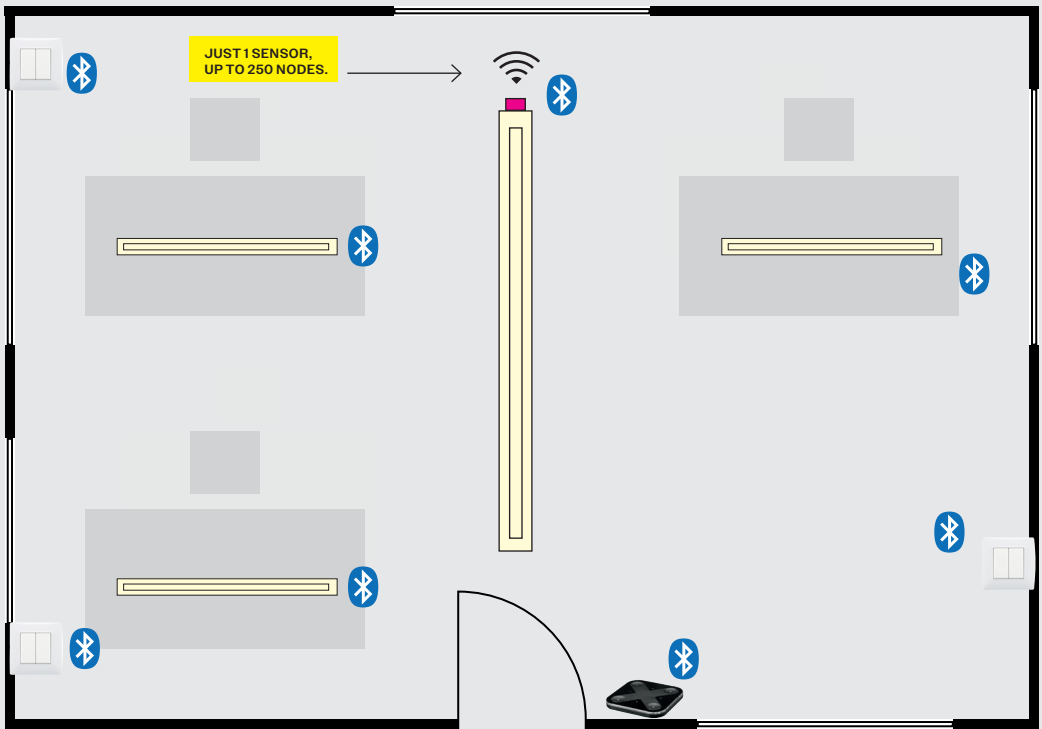
ETER  
ID62



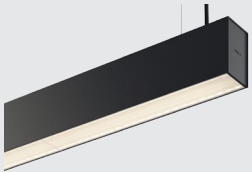
GROOVE  
ID43

→ Ecosystem example

The DIMKITBTFC sensor is installed directly on the product via brackets, allowing management - with a single sensor - of one or a group of luminaires with a Bluetooth driver.



→ Necessary luminaires



ESSE-CI PRODUCTS  
WITH CASAMBI  
BLUETOOTH DRIVER



DIMKITBTFC LIGHT /  
PRESENCE SENSOR FOR ON-  
PRODUCT INSTALLATION

→ Configuration and manual control

Standard push-dim commands (third-party products) and/or the DIMTBT interface allow manual override of the luminaires' status (On/Off, for example, for projection needs in meeting rooms or classrooms) or of the dimming level, temporarily overriding the sensor-based automatic control logic.



CASAMBI APP



PUSH-DIM COMMAND FOR  
MANUAL CONTROL (THIRD-  
PARTY SOLUTION)



DIMTBT CASAMBI  
WIRELESS INTERFACE



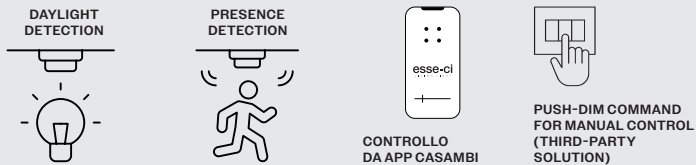
# On-ceiling sensor

Recessed or surface-mounted sensors for discreet and functional integration.



Recessed sensor

Code **DIMKITBT**



Technical Info	
Power supply (AC)	220 - 240 V (50/60 Hz)
Max. mounting height	4 m
Detection radius, mounted at a height of 3 m	ø 8 m
Detection angle	53°
Light measurement at the sensor head	1 - 2.000 lx (± 20 %)
	Features: Presence, Daylight regulation

Surface-mounted sensor

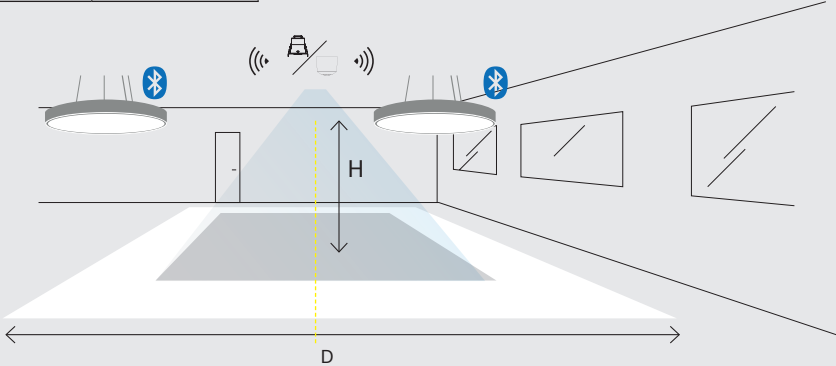
Code **DIMKITBTP**

- Can be integrated into Casambi systems (Casambi Ready)
- Ambient light-dependent control and presence detection
- Controllable wirelessly with an Android/iOS smart device
- Automatically forms a wireless communication network with up to 250 nodes
- Mains powered
- Mounting variants available for suspended ceilings and solid ceilings
- Passive infrared (PIR) sensor technology with adjustable sensitivity to reduce false detections
- Masking shutters included to optimize sensor detection
- Light measurement at the sensor head 1 - 2.000 lx (± 20 %).

## → Motion Field of View

The sensor detects movement using PIR technology, with a field of view that extends according to the installation height. The motion field of view table shows the diameter of the area covered by the sensor at different heights.

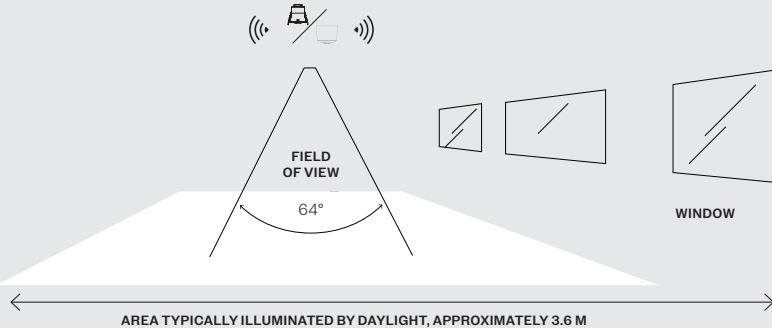
Height	Diameter
H	D
2.0 m	5.3 m
2.5 m	6.6 m
3.0 m	8.3 m
3.5 m	9.3 m



For offices, a maximum height of 3 metres is recommended, whilst for corridors, this can be up to 4 metres.

## → Light Sensor Field of View

The DIMKITBT's light sensor measures light in a conical field of view with an aperture angle of 64°. **The detection range is between 1 and 2,000 lx (± 20%).**





# Product index

## Wireless System

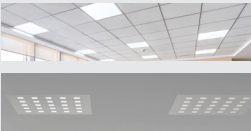
CONTINUOUS ROWS	TWOS	26	ID 54
	ETER	28	ID 62
	GROOVE	30	ID 43
	OVVIO DISPLAY LED	33	ID 40



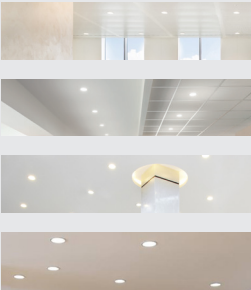
SUSPENDENT CEILING	ONE RING	34	ID 17
	BEN	36	ID 10



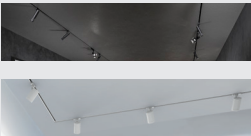
RECESSED	ABSENT ESSENTIAL	38	ID 41
	DIMPLES	39	ID 48



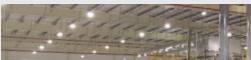
DOWNLIGHT	HALL LED ESSENTIAL	40	ID 38
	HALL LED PRO	41	ID 38
	MAKE	43	ID 39
	MAKE R	44	ID 39



SPOTLIGHT	TERES PRO	46	ID 14
	TERES	47	ID 14



INDUSTRIAL IP	ERGO ESSENTIAL	48	ID 02
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# Products

## TWOS

Features

- Direct emission
- Direct/indirect emission
- UGR <19; <22
- IP 40

Led

- 3000K/4000K
- CRI>90
- Eye safety: RG0/RGI
- Mac Adams 3
- L80/B10 >60.000h

Specifications

- Built-in Bluetooth driver
- CLD technology for environments with display screen equipmen
- Satin diffuser UGR<22

Body

- Aluminum with epoxy powder coating

Colors

- White RAL 9003 - code B
- Black RAL 9005 - code C8

Certifications

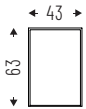
- CE Conformity
- Energy efficiency C
- 5 years warranty



for 3000K, replace K4 with K3

## TWOS PG DOUBLE EMISSION

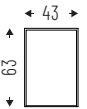
Cod. 4000K	Led	lm	Lmm
54DI36PG <b>K4BT</b>	24+12W	4398	1123
54DI46PG <b>K4BT</b>	30+16W	5619	1403
54DI56PG <b>K4BT</b>	36+20W	6840	1683



UGR<22

## TWOS CLD

Cod. 4000K	Led	lm	Lmm
54CLD24 <b>K4BT</b>	24W	2966	1123
54CLD30 <b>K4BT</b>	30W	3707	1403
54CLD36 <b>K4BT</b>	36W	4448	1683

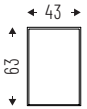


UGR<19



## TWOS CLD DOUBLE EMISSION

Cod. 4000K	Led	lm	Lmm
54DI36CLD <b>K4BT</b>	24+12W	4451	1123
54DI46CLD <b>K4BT</b>	30+16W	5687	1403
54DI56CLD <b>K4BT</b>	36+20W	6923	1683

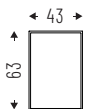


UGR<19



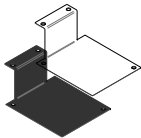
## TWOS PG

Cod. 4000K	Led	lm	Lmm
54PG24 <b>K4BT</b>	24W	2912	1123
54PG30 <b>K4BT</b>	30W	3640	1403
54PG36 <b>K4BT</b>	36W	4367	1683



UGR<22

### ACCESSORIES



Bracket kit for on-board sensor installation.

54AASBTFC



Adjustable suspension cable. Length 1500mm/3000mm.

54AA13  
54AA1330



3-5-7 powered supply box. Cable length 2000mm.

00AA16  
00AA165P  
00AA167P



End caps kit.

54AA09



Linear joint.

54AA11



Two ways adjustable joints (dim: 81 x40h mm).

54AA06



Three ways adjustable joints.

54AA07



Four ways adjustable joint.

54AA05



Blind module in aluminum with mechanical linear joints included.

54MC1000: 1000mm  
54MC2000: 2000mm



CLD screen, (collimated optics UGR<16) 1000mm.

54CLD10000



PG screen, (UGR<22) 1000mm.

54PG10000



Bracket kit for recessed installation.

54AA17



ETER

Features

- Direct/indirect emission
- UGR<16; <22
- IP 40

Led

- 3000K/4000K
- CRI>90
- Eye safety: RG0/RG1
- Mac Adams 3
- L80/B10 >70.000h

Specifications

- Built-in Bluetooth driver
- CPL technology for UGR<16
- PG diffuser for homogeneous emission with UGR<22

Body

- Aluminum with epoxy powder coating
- Antistatic methacrylate optics

Colors

- Matte white RAL 9003 - code B

Certifications

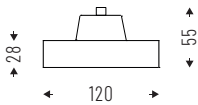
- CE Conformity
- RETILAP Conformity
- Energy efficiency D
- 5 years warranty



for 3000K, replace K4 with K3

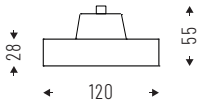
ETER CPL

Cod. 4000K	Led	lm	Lmm
62CPL31K4BT	31W	3324	1419
62CPL62K4BT	62W	6283	1419
62CPL43K4BT	43W	4655	1979
62CPL86K4BT	86W	8796	1979

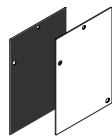


ETER PG

Cod. 4000K	Led	lm	Lmm
62PG31K4BT	31W	4936	1419
62PG62K4BT	62W	9329	1419
62PG43K4BT	43W	6910	1979
62PG86K4BT	86W	13061	1979



ACCESSORIES



Bracket kit for on-board sensor installation.

62AASBTFC



3 poles ceiling powered supply box. Cable length 2000mm.

00AA16



5 poles ceiling powered supply box. Cable length 2000mm.

00AA165P



Spacers kit for ceiling mount (2 pieces).

62AA14



Linear joint.

62AA11



Single wire 1500mm /3000mm long adjustable suspension kit.

62AA13  
62AA1330





GROOVE

Caratteristiche

- Direct emission
- Direct/indirect emission
- UGR<19
- IP 40

Led

- 3000K/4000K
- CRI>90
- Eye safety: RG0/RGI
- Mac Adams 3
- L80/B20 >80.000h

Specifications

- Built-in Bluetooth Driver
- Diffuser with DPL technology, UGR<19 for environments with display screen equipment
- Suspended version with double emission: direct/indirect

Body

- Aluminum with epoxy powder coating

Colors

- White RAL 9003 - code B
- Black RAL 9005 - code C8

Certifications

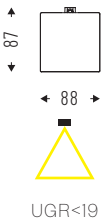
- CE Conformity
- BIS Conformity
- RETILAP Conformity
- Energy efficiency C
- 5 years warranty
- ETL certification



for 3000K, replace K4 with K3

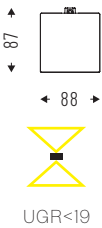
GROOVE

Cod. 4000K	Led	lm	Lmm
43DR24DPL <b>K4BT</b>	24W	2646	1130
43DR30DPL <b>K4BT</b>	30W	3308	1410
43DR36DPL <b>K4BT</b>	36W	3969	1690



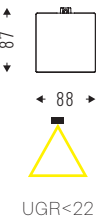
GROOVE DOUBLE EMISSION

Cod. 4000K	Led	lm	Lmm
43DI30DPL <b>K4BT</b>	30W: 24W+6W	3329	1130
43DI36DPL <b>K4BT</b>	36W: 30W+6W	3990	1410
43DI48DPL <b>K4BT</b>	48W: 36W+12W	5334	1690



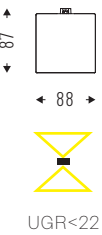
GROOVE PG

Cod. 4000K	Led	lm	Lmm
43DR24PG <b>K4BT</b>	24W	2436	1130
43DR30PG <b>K4BT</b>	30W	3045	1410
43DR36PG <b>K4BT</b>	36W	3654	1690

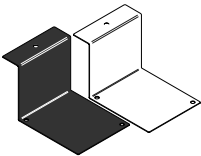


GROOVE PG DOUBLE EMISSION

Cod. 4000K	Led	lm	Lmm
43DI30PG <b>K4BT</b>	30W: 24W+6W	3119	1130
43DI36PG <b>K4BT</b>	36W: 30W+6W	3728	1410
43DI48PG <b>K4BT</b>	48W: 36W+12W	5019	1690



ACCESSORIES



Bracket kit for on-board sensor installation.

43AASBTFC



Single wire adjustable suspension kit. Lenght: 1500/3000mm.

43AA13  
43AA1330



3-5 poles ceiling powered supply box. Cable length 2000mm.

00AA16  
00AA165P



End caps kit (4mm thickness already included in the product total length).

43AA09



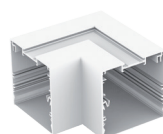
Blind connection module in aluminium. Linear mechanical joints included.

43MC1000: 1000mm  
43MC2000: 2000mm



Electrified linear joint.

43AA11



2 ways joint (dim. 202x202mm).

43AA05



3 ways joint (dim. 202x316mm).

43AA06



4 ways joint (dim. 316x316mm).

43AA07



Brackets kit for recessed installation.

43AA17



Microprismatic diffuser UGR<19 10m.

43DPL10000



Metarylate diffuser UGR<22 10m.

43PG10000





# OVVIO DISPLAY LED

**Features**

- Direct emission
- UGR<22
- IP 40

**Led**

- 3000K/4000K
- CRI>90
- Eye safety: RG0/RG1
- Mac Adams 3
- L80/B20 >80.000h

**Body**

- Aluminum with epoxy
- powder coating

**Colors**

- Matte white RAL 9003 - code B
- Matte black RAL 9005 - code C8

**Certifications**

- CE Conformity
- RETILAP Conformity
- Energy efficiency C
- 5 years warranty

**Specifications**

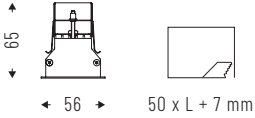
- Built-in Bluetooth driver
- Diffuser in extruded PMMA for soft emission without shadow areas

**Bluetooth®**

for 3000K, replace K4 with K3

# OVVIO DISPLAY LED

Cod. 4000K	Led	lm	Lmm
40PG18 <b>K4BT</b>	18W	1770	844
40PG24 <b>K4BT</b>	24W	2360	1124
40PG30 <b>K4BT</b>	30W	2951	1404
40PG36 <b>K4BT</b>	36W	3540	1684
40PG42 <b>K4BT</b>	42W	4130	1964



## ACCESSORIES



End caps kit (consider +4mm on the cutting length).

40AA09LED



Linear joint.

40AA11LED



PG screen (UGR<22) in 10m roll to be cut to measure for continuous lines without interruptions.

40PG10000



# ONE RING

☑ Features

- Direct emission
- Direct/indirect emission
- UGR<22; <19
- IP 40

💡 Led

- 3000K/4000K
- CRI>90
- Eye safety: RG0/RG1
- Mac Adams 3
- L80/B20 >80.000h

📏 Body

- Aluminum with epoxy powder coating

🎨 Colors

- White RAL 9003 - code B
- Black RAL 9005 - code C8

☆ Certifications

- CE Conformity
- RETILAP Conformity
- Energy efficiency C
- Energy efficiency SPOT version F
- 5 years warranty

📶 Bluetooth®

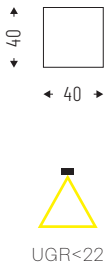
for 3000K, replace K4 with K3

🕒 Specifications

- Satin methacrylate diffuser for homogeneous emission UGR<22
- Impact resistant DPL diffuser with homogeneous and controlled emission, UGR<19

## ONE RING PG

Cod. 4000K	Led	lm	Ømm
17PG39 <b>K4BT</b>	39W	4173	790
17PG58 <b>K4BT</b>	58W	6216	1140
17PG77 <b>K4BT</b>	77W	8288	1510
17PG96 <b>K4BT</b>	96W	10360	1860



## ONE RING PG DOUBLE EMISSION

Cod. 4000K	Led	lm	Ømm
17DI63PG <b>K4BT</b>	63W: 39W+24W	6057	790
17DI93PG <b>K4BT</b>	93W: 58W+35W	8966	1140
17DI123PG <b>K4BT</b>	123W: 77W+46W	11588	1510
17DI153PG <b>K4BT</b>	153W: 96W+57W	14760	1860



## ONE RING DPL

Cod. 4000K	Led	lm	Ømm
17DPL39 <b>K4BT</b>	39W	3950	790
17DPL58 <b>K4BT</b>	58W	5880	1140
17DPL77 <b>K4BT</b>	77W	7840	1510
17DPL96 <b>K4BT</b>	96W	9800	1860



## ONE RING DPL DOUBLE EMISSION

Cod. 4000K	Led	lm	Ømm
17DI63DPL <b>K4BT</b>	63W: 39W+24W	5834	790
17DI93DPL <b>K4BT</b>	93W: 58W+35W	8630	1140
17DI123DPL <b>K4BT</b>	123W: 77W+46W	11140	1510
17DI153DPL <b>K4BT</b>	153W: 96W+57W	14200	1860



## ACCESSORIES



Kit of transparent screens for the indirect lighting side.

**17AASCINTR790** Diam. Ø 790mm  
**17AASCINTR1140** Diam. Ø 1140mm  
**17AASCINTR1510** Diam. Ø 1510mm  
**17AASCINTR1860** Diam. Ø 1860mm

**17AASCINTR2240** Diam. Ø 2240mm  
**17AASCINTR2592** Diam. Ø 2592mm  
**17AASCINTR2960** Diam. Ø 2960mm





Features

- Direct emission
- Direct/indirect emission
- UGR<19; <22
- IP 40

Led

- 3000K/4000K
- CRI>90
- Eye safety: RG0/RG1
- Mac Adams 3
- L80/B20 >80.000h

Body

- Aluminum with epoxy powder coating

Colors

- Matte white RAL 9003 - code B

Certifications

- CE Conformity
- RETILAP Conformity
- ETL Conformity
- Energy efficiency C
- 5 years warranty



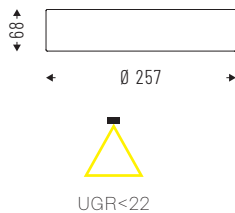
for 3000K, replace K4 with K3

Specifications

- Built-in Bluetooth driver
- Impact resistant satin acrylic PG diffuser with UGR<22
- Impact resistant DPL diffuser with homogeneous and controlled emission UGR<19 (accessory)

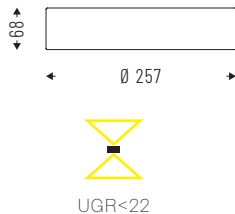
BEN SMALL PG

Cod. 4000K	Led	lm	Ømm
10PG6 <b>K4BT</b>	6W	798	257
10PG12 <b>K4BT</b>	12W	1598	257
10PG18 <b>K4BT</b>	18W	2394	257



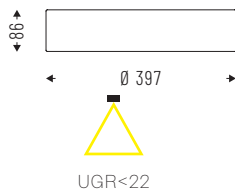
BEN SMALL PG DOUBLE EMISSION

Cod. 4000K	Led	lm	Ømm
10DI15PG <b>K4BT</b>	15W: 6W+9W	2014	257
10DI21PG <b>K4BT</b>	21W: 12W+9W	2814	257
10DI27PG <b>K4BT</b>	27W: 18W+9W	3610	257



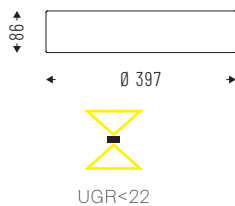
BEN MEDIUM PG

Cod. 4000K	Led	lm	Ømm
10PG15 <b>K4BT</b>	15W	2111	397
10PG21 <b>K4BT</b>	21W	2887	397



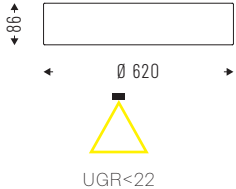
BEN MEDIUM PG DOUBLE EMISSION

Cod. 4000K	Led	lm	Ømm
10DI24PG <b>K4BT</b>	24W: 15W+9W	3733	397
10DI30PG <b>K4BT</b>	30W: 21W+9W	4509	397



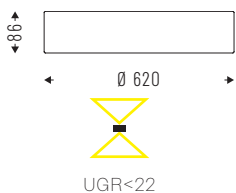
BEN LARGE PG

Cod. 4000K	Led	lm	Ømm
10PG58 <b>K4BT</b>	58W	8072	620
10PG96 <b>K4BT</b>	96W	12710	620



BEN LARGE PG DOUBLE EMISSION

Cod. 4000K	Led	lm	Ømm
10DI82PG <b>K4BT</b>	82W: 58W+24W	11285	620
10DI120PG <b>K4BT</b>	120W: 96W+24W	15923	620



ACCESSORIES



DPL diffuser for IP 40 version.

- 10AADPLS - SMALL
- 10AADPLM - MEDIUM
- 10AADPLL - LARGE



# ABSENT ESSENTIAL

☑ Features

- Direct emission
- UGR<19
- IP 40

💡 Led

- 3000K/4000K
- CRI >94
- Eye safety: RG0/RGI
- Mac Adams 3
- L80/B10 >50.000h

🕒 Specifications


- DPL technology for controlled emission UGR<19

📦 Body

- Aluminum with epoxy powder coating

★ Certifications

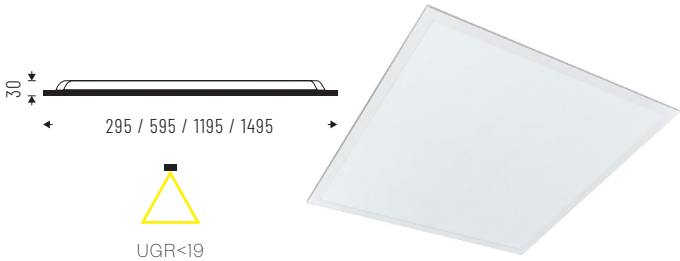
- CE Conformity
- RETILAP Conformity
- Energy efficiency C
- 5 years warranty

 Bluetooth®

for 3000K, replace K4 with K3

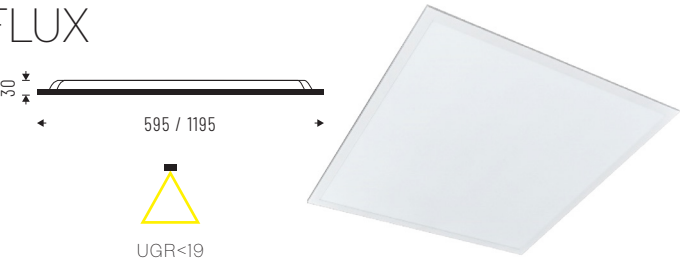
## ABSENT ESSENTIAL DPL

Cod. 4000K	Led	lm	Lmm
41DPL18 <b>K4EBT</b>	18W	1750	295x295
41DPL36 <b>K4EBT</b>	36W	4140	595x595
41DPL22 <b>K4EM3BT</b>	22W	2150	595x295
41DPL36 <b>K4EM3BT</b>	36W	4140	1195x295
41DPL60 <b>K4EM6BT</b>	60W	7150	1195x595
41DPL58 <b>K4EM3BT</b>	58W	6670	1495x295



## ABSENT ESSENTIAL DPL HIGH FLUX

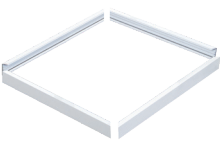
Cod. 4000K	Led	lm	Lmm
41DPL40 <b>K4EHFBT</b>	40W	5980	595x595
41DPL40 <b>K4EM3HFBT</b>	40W	5980	1195x295



### ACCESSORIES



Plasterboard installation kit.



Ceiling installation kit.

41AA17E

41AAE300300  
41AAE600600  
41AAE600300  
41AAE1200300  
41AAE1200600  
41AAE1500300

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RECESSED

# DIMPLES

☑ Features

- Direct emission
- UGR<16; <22
- IP 40

💡 Led

- 3000K/4000K
- CRI >100
- Eye safety: RG0/RGI
- Mac Adams 3
- L80/B10 >50.000h

📦 Body

- Satin ABS with anodized aluminum base

🎨 Colors


- White RAL 9003 - code B

🕒 Specifications

- Built-in Bluetooth driver
- Primary diffuser in satin PC UGR<16
- PG version with additional coplanar screen in opal PC UGR<22
- Double emission: direct/indirect

★ Certifications

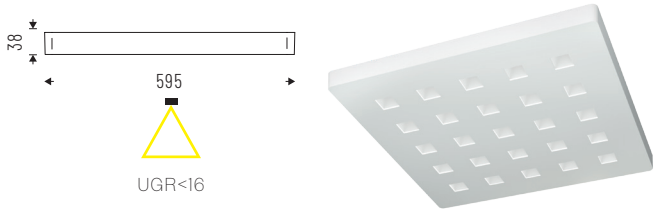
- CE Conformity
- Energy efficiency E
- 5 years warranty

 Bluetooth®

for 3000K, replace K4 with K3

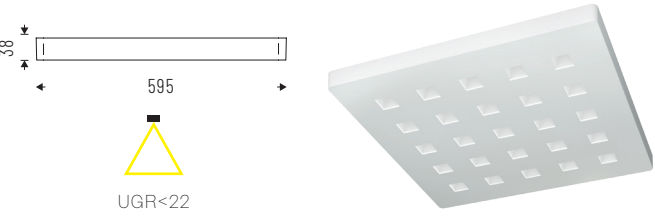
## DIMPLES

Cod. 4000K	Led	lm	Lmm
48DR44 <b>K4BT</b>	44W	5132	595



## DIMPLES PG

Cod. 4000K	Led	lm	Lmm
48PG44 <b>K4BT</b>	44W	4874	595



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# HALL LED ESSENTIAL

☑ Features

- Direct emission
- UGR<19
- IP 54 visible side

💡 Led

- 3000K/4000K
- CRI>90
- Eye safety: RG0/RGI
- Mac Adams 3
- L80/B10 >80.000

📦 Body

- Polycarbonate, with heat sink in die-cast aluminum

🎨 Colors

- White RAL 9003 matte - code B
- Black RAL 9005 matte - code C8

☆ Certifications

- CE Conformity
- RETILAP Conformity
- Energy efficiency E
- 5 years warranty

🔗 Bluetooth®

for 3000K, replace K4 with K3

## HALL LED ESSENTIAL MEDIUM

Cod. 4000K	Led	lm	Ømm
38MP9 <b>K4M54BT</b>	9W	1469	210
38MP14 <b>K4M54BT</b>	14W	2031	210
38MP20 <b>K4M54BT</b>	20W	2842	210
38MP26 <b>K4M54BT</b>	26W	3780	210



## HALL LED ESSENTIAL LARGE

Cod. 4000K	Led	lm	Ømm
38MP9 <b>K4L54BT</b>	9W	1469	230
38MP14 <b>K4L54BT</b>	14W	2031	230
38MP20 <b>K4L54BT</b>	20W	2842	230
38MP26 <b>K4L54BT</b>	26W	3780	230



# HALL LED PRO

☑ Features

- Direct emission
- UGR<19
- IP 65
- IK 06

💡 Led

- 3000K/4000K
- CRI>90
- Eye safety: RG0/RGI
- Mac Adams 3
- L80/B10 >50.000h

📦 Body

- Aluminum with epoxy powder coating

🎨 Colors

- White RAL 9003 matte - code B
- Black RAL 9005 - code C8

☆ Certifications

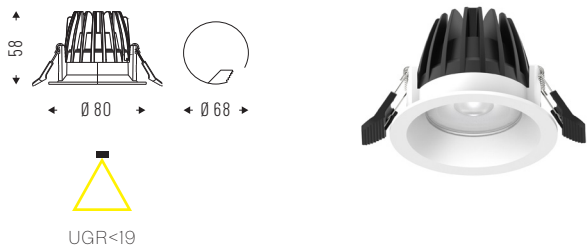
- CE Conformity
- RETILAP Conformity
- Energy efficiency B
- 5 years warranty

🔗 Bluetooth®

for 3000K, replace K4 with K3

## HALL LED PRO MINI PC

Cod. 4000K	Led	lm	Ømm
38PC7 <b>K4I5BT</b>	7W 15°	875	80
38PC7 <b>K424BT</b>	7W 24°	875	80
38PC7 <b>K436BT</b>	7W 36°	875	80
38PC7 <b>K450BT</b>	7W 50°	875	80
38PC9 <b>K4I5BT</b>	9W 15°	1307	80
38PC9 <b>K424BT</b>	9W 24°	1307	80
38PC9 <b>K436BT</b>	9W 36°	1307	80
38PC9 <b>K450BT</b>	9W 50°	1307	80



## HALL LED PRO SMALL PC

Cod. 4000K	Led	lm	Ømm
38PC17 <b>K4I5SBT</b>	17W 15°	2721	140
38PC17 <b>K424SBT</b>	17W 24°	2721	140
38PC17 <b>K436SBT</b>	17W 36°	2721	140
38PC17 <b>K450SBT</b>	17W 50°	2721	140
38PC21 <b>K4I5SBT</b>	21W 15°	3055	140
38PC21 <b>K424SBT</b>	21W 24°	3055	140
38PC21 <b>K436SBT</b>	21W 36°	3055	140
38PC21 <b>K450SBT</b>	21W 50°	3055	140
38PC25 <b>K4I5SBT</b>	25W 15°	3530	140
38PC25 <b>K424SBT</b>	25W 24°	3530	140
38PC25 <b>K436SBT</b>	25W 36°	3530	140
38PC25 <b>K450SBT</b>	25W 50°	3530	140





HALL LED PRO MEDIUM PC

Cod. 4000K	Led	lm	Ømm
38PC24 <b>K4</b> I5M <b>BT</b>	24W 15°	3658	175
38PC24 <b>K4</b> 24M <b>BT</b>	24W 24°	3658	175
38PC24 <b>K4</b> 36M <b>BT</b>	24W 36°	3658	175
38PC24 <b>K4</b> 50M <b>BT</b>	24W 50°	3658	175
38PC28 <b>K4</b> I5M <b>BT</b>	28W 15°	4164	175
38PC28 <b>K4</b> 24M <b>BT</b>	28W 24°	4164	175
38PC28 <b>K4</b> 36M <b>BT</b>	28W 36°	4164	175
38PC28 <b>K4</b> 50M <b>BT</b>	28W 50°	4164	175
38PC32 <b>K4</b> I5M <b>BT</b>	32W 15°	4629	175
38PC32 <b>K4</b> 24M <b>BT</b>	32W 24°	4629	175
38PC32 <b>K4</b> 36M <b>BT</b>	32W 36°	4629	175
38PC32 <b>K4</b> 50M <b>BT</b>	32W 50°	4629	175

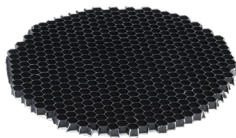


HALL LED PRO LARGE PC

Cod. 4000K	Led	lm	Ømm
38PC24 <b>K4</b> I5L <b>BT</b>	24W 15°	3658	210
38PC24 <b>K4</b> 24L <b>BT</b>	24W 24°	3658	210
38PC24 <b>K4</b> 36L <b>BT</b>	24W 36°	3658	210
38PC24 <b>K4</b> 50L <b>BT</b>	24W 50°	3658	210
38PC28 <b>K4</b> I5L <b>BT</b>	28W 15°	4164	210
38PC28 <b>K4</b> 24L <b>BT</b>	28W 24°	4164	210
38PC28 <b>K4</b> 36L <b>BT</b>	28W 36°	4164	210
38PC28 <b>K4</b> 50L <b>BT</b>	28W 50°	4164	210
38PC32 <b>K4</b> I5L <b>BT</b>	32W 15°	4629	210
38PC32 <b>K4</b> 24L <b>BT</b>	32W 24°	4629	210
38PC32 <b>K4</b> 36L <b>BT</b>	32W 36°	4629	210
38PC32 <b>K4</b> 50L <b>BT</b>	32W 50°	4629	210



ACCESSORIES



Honeycomb.

**38AANDMN** - MINI  
**38AANDL** - SMALL,  
MEDIUM, LARGE



Micro-engraved optics.

**38AAVRMN** - MINI  
**38AAVRL** - SMALL,  
MEDIUM, LARGE



Frosted glass.

**38AAVSMN** - MINI  
**38AAVSL** - SMALL,  
MEDIUM, LARGE

MAKE

Features

- Direct emission
- UGR<16\*\*; <19
- IP 44

Led

- 3000K/4000K
- CRI>90
- Eye safety: RG0/RGI
- Mac Adams 3
- L80/B10 >50.000h

Specifications

- Polycarbonate lens, beam angles: 15°-24°-36°-50°
- Front reflector in polycarbonate

Body

- Aluminum with epoxy powder coating

Colors

- White RAL 9003 wrinkled - code W
- Black RAL 9005 wrinkled - code BK

Certifications

- CE Conformity
  - BIS Conformity
  - RETILAP Conformity
  - Energy efficiency C
  - 5 years warranty
- \*\*With accessory: 39AAUGR*



for 3000K, replace K4 with K3

MAKE MEDIUM

Cod. 4000K	Led	lm	Ømm
39OR18 <b>K4</b> I5M <b>BT</b>	18W 15°	1944	138
39OR18 <b>K4</b> 24M <b>BT</b>	18W 24°	1944	138
39OR18 <b>K4</b> 36M <b>BT</b>	18W 36°	1944	138
39OR18 <b>K4</b> 50M <b>BT</b>	18W 50°	1944	138
39OR27 <b>K4</b> I5M <b>BT</b>	27W 15°	2610	138
39OR27 <b>K4</b> 24M <b>BT</b>	27W 24°	2610	138
39OR27 <b>K4</b> 36M <b>BT</b>	27W 36°	2610	138
39OR27 <b>K4</b> 50M <b>BT</b>	27W 50°	2610	138
39OR36 <b>K4</b> I5M <b>BT</b>	36W 15°	3497	138
39OR36 <b>K4</b> 24M <b>BT</b>	36W 24°	3497	138
39OR36 <b>K4</b> 36M <b>BT</b>	36W 36°	3497	138
39OR36 <b>K4</b> 50M <b>BT</b>	36W 50°	3497	138



ACCESSORIES



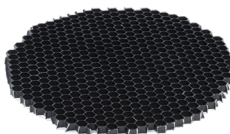
External reflector in chromed PC.

**39RFAM** - MEDIUM



External reflector in golden PC.

**39RFGM** - MEDIUM



Honeycomb optics, UGR<16.

**39AANDM** - MEDIUM



Micro-engraved optics.

**39AASLM** - MEDIUM



Frosted glass.

**39AAVSM** - MEDIUM



MAKE R

Features

- Direct emission
- UGR<19
- IP 44

Led

- 3000K/4000K
- CRI>90
- Eye safety: RGO/RGI
- Mac Adams 3
- L80/B10 >50.000h

Specifications

- Polycarbonate lens, beam angles: 15°-24°-36°-50°
- Front reflector in polycarbonate

Body

- Aluminum with epoxy powder coating

Colors

- White RAL 9003 wrinkled - code W
- Black RAL 9005 wrinkled - code BK

Certifications

- CE Conformity
- RETILAP Conformity
- Energy efficiency C
- 5 years warranty



for 3000K, replace K4 with K3

MAKE R MEDIUM

Cod. 4000K	Led	lm	Ømm
390A17K415MBT	17W 15°	2020	165
390A17K424MBT	17W 24°	2020	165
390A17K436MBT	17W 36°	2020	165
390A17K450MBT	17W 50°	2020	165
390A24K415MBT	24W 15°	2850	165
390A24K424MBT	24W 24°	2850	165
390A24K436MBT	24W 36°	2850	165
390A24K450MBT	24W 50°	2850	165
390A31K415MBT	31W 15°	3700	165
390A31K424MBT	31W 24°	3700	165
390A31K436MBT	31W 36°	3700	165
390A31K450MBT	31W 50°	3700	165



ACCESSORIES



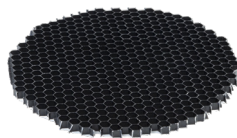
Chromed PC aesthetic reflector.

39RFRAM - MEDIUM



Gold PC aesthetic reflector.

39RFRGM - MEDIUM



Honeycomb.

39AANDRM - MEDIUM



Micro-engraved optics.

39AASLRM - MEDIUM



Frosted glass.

39AAVSRM - MEDIUM





# TERES PRO

Features

- Direct emission
- UGR<19
- IP 40

Led

- 3000K/4000K
- CRI>90/CRI>95
- Eye safety: RG0/RGI
- Mac Adams 3
- L80/B10 >50.000h

Specifications

- In track Bluetooth driver
- CoB LED technology
- PC lens 15°-24°-36°-50°
- ZOOM lens from 10° to 45°

Body

- Die-cast aluminum with epoxy powder coating

Colors

- White RAL 9003 wrinkled - code W
- Black RAL 9005 wrinkled - code BK

Certifications

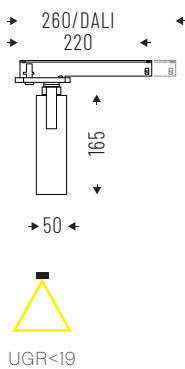
- CE Conformity
- Energy efficiency E
- 5 years warranty
- ETL Certification



for 3000K, replace K4 with K3

# TERES PRO PC

Cod. 4000K	Led	lm	Ømm
14PC15 <b>K415BT</b>	15W 15°	1695	50
14PC15 <b>K424BT</b>	15W 24°	1695	50
14PC15 <b>K436BT</b>	15W 36°	1695	50
14PC15 <b>K450BT</b>	15W 50°	1695	50
14PC21 <b>K415BT</b>	21W 15°	2373	50
14PC21 <b>K424BT</b>	21W 24°	2373	50
14PC21 <b>K436BT</b>	21W 36°	2373	50
14PC21 <b>K450BT</b>	21W 50°	2373	50



## ACCESSORIES



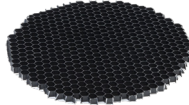
External ring for Teres Pro-Pc.

- 14RFA** - Chromed
- 14RFG** - Gold
- 14RFW** - White
- 14RFBK** - Black



Barndoors 4 fold on PC model.

**14AA50BR**



Honey comb on PC model.

**14AA50ND**

# TERES

Features

- Direct emission
- UGR<19
- IP 40

Led

- 3000K/4000K
- CRI>90
- Eye safety: RG0/RGI
- Mac Adams 3
- L80/B10 >50.000h

Specifications

- Built-in Bluetooth driver
- CoB LED technology
- Internal aluminum reflectors, beam angles: 10°-15°-20°-36°-40°-50°-70°

Body

- Die-cast aluminum with epoxy powder coating

Colors

- White RAL 9003 wrinkled - code W
- Black RAL 9005 wrinkled - code BK

Certifications

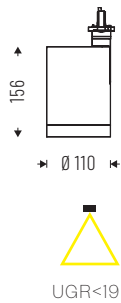
- CE Conformity
- BIS Conformity
- RETILAP Conformity
- ETL Conformity
- Energy efficiency C
- 5 years warranty



for 3000K, replace K4 with K3

# TERES MEDIUM

Cod. 4000K	Led	lm	Ømm
14VT13 <b>K410MBT</b>	13W 10°	2086	110
14VT13 <b>K420MBT</b>	13W 20°	2086	110
14VT13 <b>K440MBT</b>	13W 40°	2086	110
14VT13 <b>K470MBT</b>	13W 70°	2086	110
14VT19 <b>K410MBT</b>	19W 10°	2874	110
14VT19 <b>K420MBT</b>	19W 20°	2874	110
14VT19 <b>K440MBT</b>	19W 40°	2874	110
14VT19 <b>K470MBT</b>	19W 70°	2874	110
14VT26 <b>K410MBT</b>	26W 10°	3683	110
14VT26 <b>K420MBT</b>	26W 20°	3683	110
14VT26 <b>K440MBT</b>	26W 40°	3683	110
14VT26 <b>K470MBT</b>	26W 70°	3683	110



## ACCESSORIES



TERES MEDIUM  
Clear glass.

**14AAVTM**



TERES MEDIUM  
Frost glass.

**14AAMGM**



TERES MEDIUM  
Micro-engraved glass.

**14AASLM**



TERES MEDIUM  
Honeycomb optics.

**14AANDM**



**14AA110AGW**

- Teres Medium

Internal/external color:  
White RAL 9003.

**14AA110AGWBK**

- Teres Medium

Internal color: Black RAL 9005.  
External color: White RAL 9003.

**14AA110AGBK**

- Teres Medium

Internal/external color:  
Black RAL 9005.



# ERGO ESSENTIAL

Features

- Direct emission
- UGR<25
- IP 65
- IK10
- -30°/+50°

Led

- 3000K/4000K
- CRI >80
- Eye safety: RG0/RGI
- Mac Adams 3
- L80/B10 >50.000h

Body

- Die-cast aluminum

Colors

- Black RAL 9005

Specifications

- Built-in Bluetooth driver
- Polycarbonate lens with concentric undulation
- Beam angles: 60°-110°

Certifications

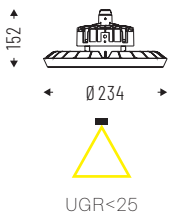
- CE Conformity
- Energy efficiency D
- 5 years warranty



for 3000K, replace K4 with K3

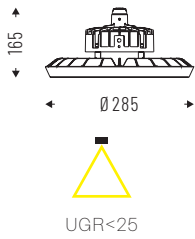
## ERGO ESSENTIAL SMALL

Cod. 4000K	Led	lm	Ømm
02PC100 <b>K4</b> 60SEBT	100W 60°	15000	234
02PC100 <b>K4</b> 110SEBT	100W 110°	15000	234



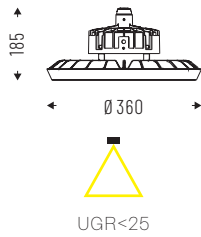
## ERGO ESSENTIAL MEDIUM

Cod. 4000K	Led	lm	Ømm
02PC150 <b>K4</b> 60MEBT	150W 60°	22500	285
02PC150 <b>K4</b> 110MEBT	150W 110°	22500	285



## ERGO ESSENTIAL LARGE

Cod. 4000K	Led	lm	Ømm
02PC200 <b>K4</b> 60LEBT	200W 60°	30000	360
02PC200 <b>K4</b> 110LEBT	200W 110°	30000	360
02PC240 <b>K4</b> 60LEBT	240W 60°	36000	360
02PC240 <b>K4</b> 110LEBT	240W 110°	36000	360
02PC300 <b>K4</b> 60LEBT	300W 60°	39900	360
02PC300 <b>K4</b> 110LEBT	300W 110°	39900	360



## ACCESSORIES



Ring for suspension.

**02AA13EGM10**  
- SMALL/MEDIUM/LARGE  
200W e 240W  
ON/OFF e DALI

**02AA13EGM12**  
- LARGE 300W  
ON/OFF e DALI



Security chain  
length 1500mm.

**02AA13ECS**



Bracket for wall/ceiling  
installation, inclination ±45°.

**02AA15SME**  
- SMALL/MEDIUM  
**02AA15LE** - LARGE









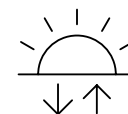


RESPONSIVE HUMAN LIGHTING

The Esse-Ci Wireless System also allows for the management of **Responsive Human Lighting**, a system that recreates the natural rhythms of light with variations in intensity and colour temperature. By simulating natural light, RHL contributes to improving psychophysical well-being and concentration.

# Responsive human lighting

## → Well-being with dynamic light



CASAMBI

In the context of modern lighting, Responsive Human Lighting (RHL) emerges as an innovative approach focused on human well-being, aiming to synchronise artificial illumination with natural circadian rhythms.

**By setting the time zone and location within the Casambi App, the system can calculate local sunrise and sunset times, allowing RHL to be implemented effectively.**

This functionality enables units to dynamically adjust light levels or recall programmed lighting scenes in response to the natural evolution of sunlight. The primary objective is to promote health, general well-being, and efficiency.

well-being  
circadian rhythm

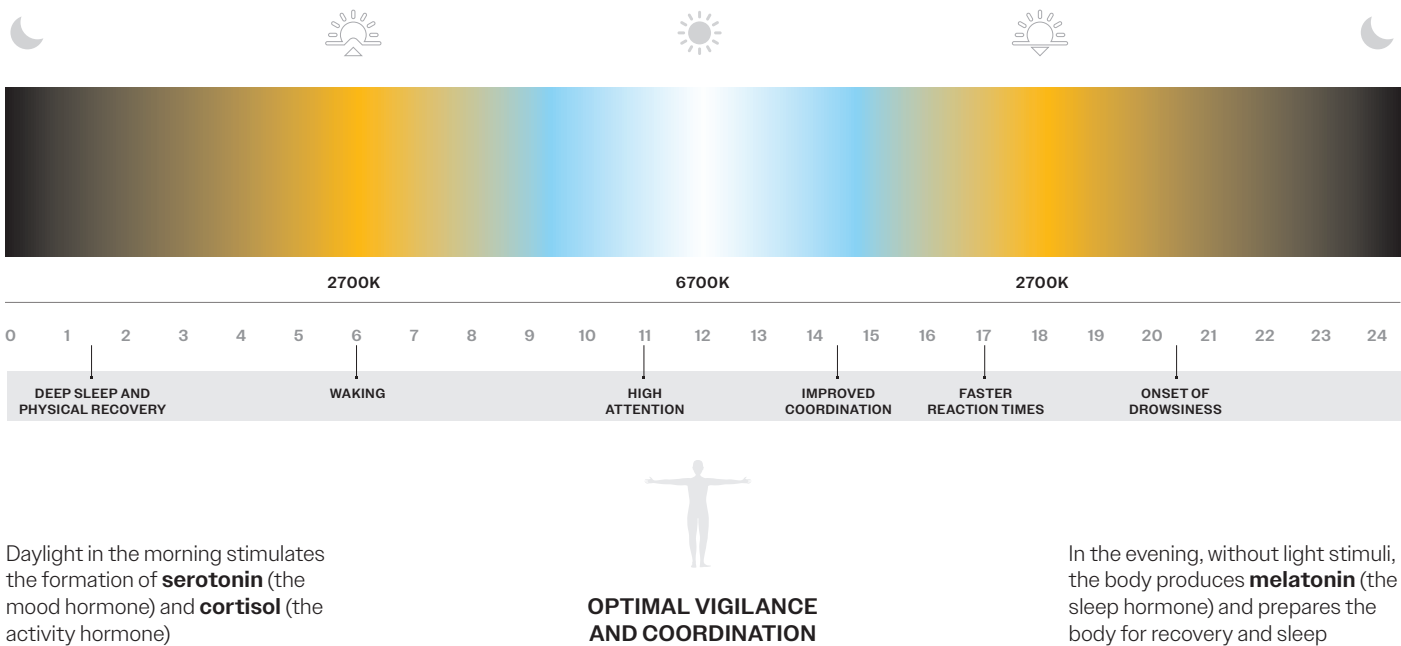
Our eyes perceive an incredible number of **visual stimuli** every day. Optimal light is as important for health, motivation, and performance as it is for completing specific tasks.

→ Principle

Human evolution has developed in synchrony with the alternation of light and dark, a cycle that regulates the circadian rhythm – our internal biological clock responsible for synchronising numerous physiological processes. Light, in particular, acts as a powerful synchroniser,

influencing hormone production, body temperature, and the sleep-wake cycle. It not only influences visual perception but also plays a fundamental role at an emotional and biological level, modulating mood and regulating important endocrine functions.

Natural light, with its inherent dynamism and its variations in intensity and colour throughout the day, constitutes the ideal model to which the human organism has adapted.





→ Purpose of the application

Our modern lifestyle leads us to spend approximately 80% of our time indoors, resulting in limited exposure to sunlight and a reduction in the essential dynamics of natural light.

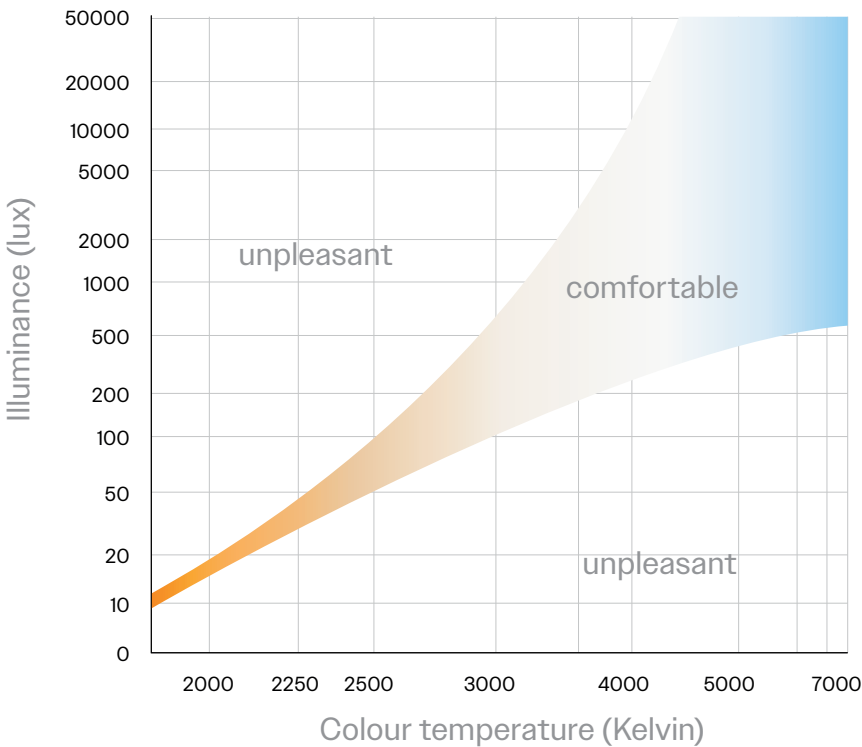
Today, Esse-Ci's dynamic lighting systems allow for the adjustment of intensity, colour temperature, and light direction, recreating a lighting experience that promotes psychophysical well-being and productivity



→ Esse-Ci Technology

Esse-Ci's RHL system employs Tunable White technology for adjusting the colour temperature (CCT) between 2700K - 6500K.

The system dynamically modulates the CCT in accordance with the principles of the Kruithof curve. The latter illustrates how visual comfort depends on the combination of brightness and "warmth" of the light: cool light (daylight white) is more comfortable at high intensity; warm light (similar to sunset) is preferable at low Lux intensity.



→ Kruithof Curve

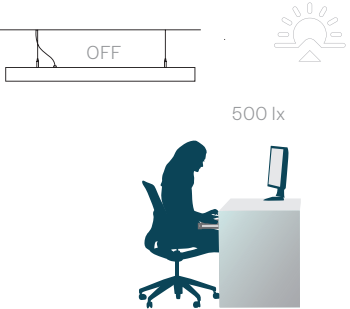
RHL technology creates a **dynamic light ecosystem** that adapts to the time of day, activity, and individual needs, enhancing well-being and creativity.

8:00

- CONDITION**
- Presence in the office
  - Target illuminance 500lx
  - Natural light illuminance **sufficient** to reach the target.

**ACTION**

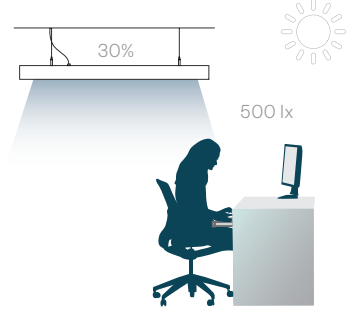
The sensor does not switch on the luminaires.



12:00

- Presence in the office
- Target illuminance 500lx
  - The selected office profile mode specifies **6000K**
  - Natural light illuminance is not sufficient to fully reach the target.

The sensor partially dims the luminaires until the target is reached and manages the colour according to the RHL profile.



20:00

- Presence in the office
- Target illuminance 500lx
  - The selected office profile mode specifies **4500K**
  - Natural light illuminance is not sufficient to fully reach the target.

The sensor fully switches on the luminaires to reach the target and manages the colour according to the RHL profile.



22:00

No presence in the office.



The sensor will switch off the light based on the set switch-off delay time (1, 10, 30 min).





→ Example of RHL applied to the office

# Product index

## Responsive human lighting

CONTINUOUS ROWS  TWOS 60  ID 54



SUSPENDED  
CEILING  BEN 62  ID 10





RECESSED  ABSENT ESSENTIAL 64  ID 41



DOWNLIGHT  HALL LED ESSENTIAL 65  ID 38



SPOTLIGHT  TERES HF 66  ID 14





TWOS

Features

- Direct emission
- Direct/indirect emission
- UGR <19; <22
- IP 40

Led

- 2700K-6500K
- CRI>90
- Eye safety: RG0/RGI
- Mac Adams 3
- L80/B10 >60.000h

Body

- Aluminum with epoxy powder coating

Certifications

- CE Conformity
- Energy efficiency C
- 5 years warranty

Colors

- White RAL 9003 - code B
- Black RAL 9005 - code C8

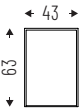


Specifications

- Built-in Bluetooth driver
- CLD technology for environments with display screen equipmen
- Satin diffuser UGR<22

TWOS CLD

Cod. 2700K-6500K	Led	lm	Lmm
54CLD24RHL	24W	2966	1123
54CLD30RHL	30W	3707	1403
54CLD36RHL	36W	4448	1683

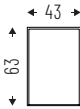


UGR<19



TWOS CLD DOUBLE EMISSION

Cod. 2700K-6500K	Led	lm	Lmm
54DI36CLDRHL	24+12W	4451	1123
54DI46CLDRHL	30+16W	5687	1403
54DI56CLDRHL	36+20W	6923	1683

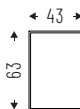


UGR<19



TWOS PG

Cod. 2700K-6500K	Led	lm	Lmm
54PG24RHL	24W	2912	1123
54PG30RHL	30W	3640	1403
54PG36RHL	36W	4367	1683

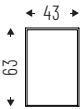


UGR<22



TWOS PG DOUBLE EMISSION

Cod. 2700K-6500K	Led	lm	Lmm
54DI36PGRHL	24+12W	4398	1123
54DI46PGRHL	30+16W	5619	1403
54DI56PGRHL	36+20W	6840	1683



UGR<22

ACCESSORIES



Adjustable suspension cable. Length 1500mm/3000mm.

54AA13  
54AA1330



3-5-7 powered supply box. Cable length 2000mm.

00AA16  
00AA165P  
00AA167P



End caps kit.

54AA09



Bracket kit for recessed installation.

54AA17



Linear joint.

54AA11



Two ways adjustable joints (dim: 81 x40h mm).

54AA06



Three ways adjustable joints.

54AA07



Four ways adjustable joint.

54AA05



Blind module in aluminum with mechanical linear joints included.

54MC1000: 1000mm  
54MC2000: 2000mm



CLD screen, (collimated optics UGR<16) 1000mm.

54CLD10000



PG screen, (UGR<22) 1000mm.

54PG10000



BEN

Features

- Direct emission
- Direct/indirect emission
- UGR<19; <22
- IP 40

Led

- 2700K-6500K
- CRI>90
- Eye safety: RG0/RG1
- Mac Adams 3
- L80/B20 >80.000h

Specifications

- Built-in Bluetooth driver
- Impact resistant satin acrylic PG diffuser with UGR<22
- Impact resistant DPL diffuser with homogeneous and controlled emission UGR<19 (accessory)

Body

- Aluminum with epoxy powder coating

Colors

- Matte white RAL 9003 - code B

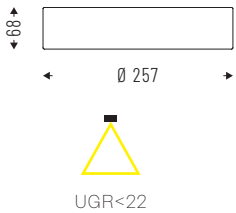
Certifications

- CE Conformity
- RETILAP Conformity
- ETL Conformity
- Energy efficiency C
- 5 years warranty



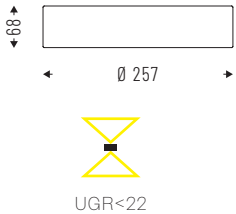
BEN SMALL PG

Cod. 2700K-6500K	Led	lm	Ømm
10PG18RHL	18W	2394	257



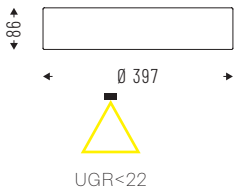
BEN SMALL PG DOUBLE EMISSION

Cod. 2700K-6500K	Led	lm	Ømm
10DI27PGRHL	27W: 18W+9W	3610	257



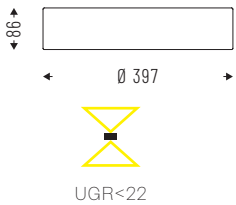
BEN MEDIUM PG

Cod. 2700K-6500K	Led	lm	Ømm
10PG21RHL	21W	2887	397



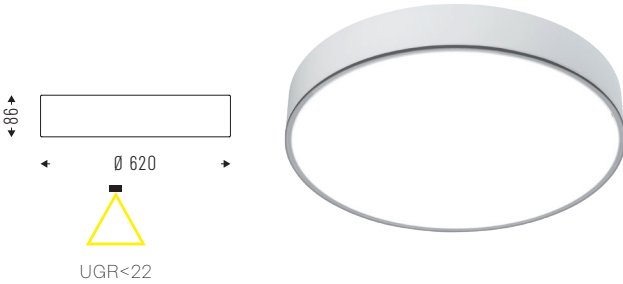
BEN MEDIUM PG DOUBLE EMISSION

Cod. 2700K-6500K	Led	lm	Ømm
10DI30PGRHL	30W: 21W+9W	4509	397



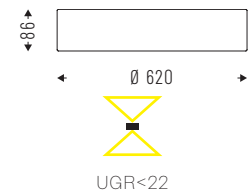
BEN LARGE PG

Cod. 2700K-6500K	Led	lm	Ømm
10PG96RHL	96W	12710	620



BEN LARGE PG DOUBLE EMISSION

Cod. 2700K-6500K	Led	lm	Ømm
10DI120PGRHL	120W: 96W+24W	15923	620



ACCESSORIES



DPL diffuser for IP 40 version.

10AADPLS - SMALL

10AADPLM - MEDIUM

10AADPLL - LARGE



# ABSENT ESSENTIAL

- ☑ Features

  - Direct emission
  - UGR<19
  - IP 40
- 💡 Led

  - 2700K-6500K
  - CRI >94
  - Eye safety: RG0/RGI
  - Mac Adams 3
  - L80/B10 >50.000h
- 🕒 Specifications

  - DPL technology for controlled emission UGR<19
- ☑ Body

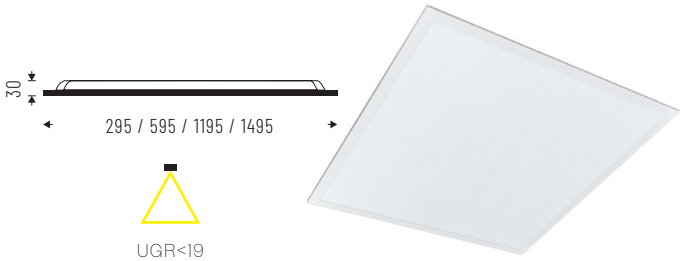
  - Aluminum with epoxy powder coating
- ☆ Certifications

  - CE Conformity
  - RETILAP Conformity
  - Energy efficiency C
  - 5 years warranty



## ABSENT ESSENTIAL DPL

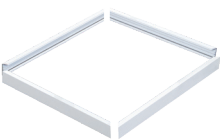
Cod. 2700K-6500K	Led	lm	Lmm
41DPL36 <b>RH</b> LE	36W	4140	595x595
41DPL36 <b>RH</b> LEM3	36W	4140	1195x295



### ACCESSORIES



Plasterboard installation kit.



Ceiling installation kit.

41AA17E

41AAE300300  
41AAE600600  
41AAE600300  
41AAE1200300  
41AAE1200600  
41AAE1500300

64

RECESSED

# HALL LED ESSENTIAL

- ☑ Features

  - Direct emission
  - UGR<19
  - IP 54 visible side
- 💡 Led

  - 2700K-6500K
  - CRI>90
  - Eye safety: RG0/RGI
  - Mac Adams 3
  - L80/B10 >80.000
- 🕒 Specifications

  - SMD LED technology
  - Internal reflector in microcell polycarbonate
  - Microprismatic opaline polycarbonate diffuser
  - Cut-off>10°
- ☑ Body

  - Polycarbonate, with heat sink in die-cast aluminum
- 🎨 Colors

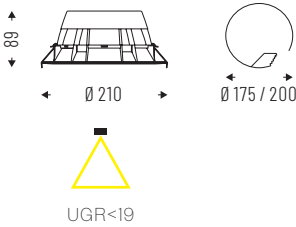
  - White RAL 9003 matte - code B
  - Black RAL 9005 matte - code C8
- ☆ Certifications

  - CE Conformity
  - RETILAP Conformity
  - Energy efficiency E
  - 5 years warranty



## HALL LED ESSENTIAL MEDIUM

Cod. 2700K-6500K	Led	lm	Ømm
38MP9 <b>RH</b> LM54	9W	1469	210
38MP14 <b>RH</b> LM54	14W	2031	210
38MP20 <b>RH</b> LM54	20W	2842	210
38MP26 <b>RH</b> LM54	26W	3780	210



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# TERES\_HF

☑ **Features**

- Direct emission
- UGR<19
- IP 40

💡 **Led**

- 2700K-6500K
- CRI>90
- Eye safety: RG0/RGI
- Mac Adams 3
- L80/B10 >50.000h

📏 **Specifications**

- Built-in Bluetooth driver
- CoB LED technology
- Internal aluminum reflectors, beam angles: 10°-15°-20°-36°-40°-50°-70°

📦 **Body**

- Die-cast aluminum with epoxy powder coating

🎨 **Colors**

- White RAL 9003 wrinkled - code W
- Black RAL 9005 wrinkled - code BK

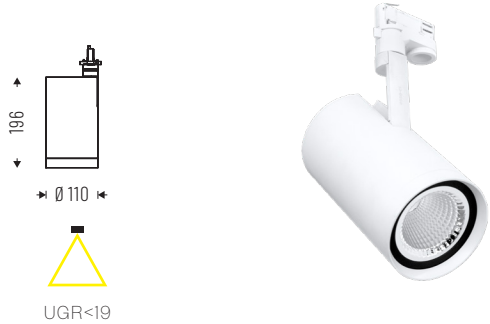
★ **Certifications**

- CE Conformity
- BIS Conformity
- RETILAP Conformity
- ETL Conformity
- Energy efficiency C
- 5 years warranty



# TERES\_HF

Cod. 2700K-6500K	Led	lm	Ømm
14VT34 <b>RHL</b> 10HF	34W 10°	5243	110
14VT34 <b>RHL</b> 20HF	34W 20°	5243	110
14VT34 <b>RHL</b> 40HF	34W 40°	5243	110
14VT34 <b>RHL</b> 70HF	34W 70°	5243	110





# innovative innovative

**ESSE-CI s.r.l.**

Viale del Lavoro 25  
35010 Vigonza (PD) Italy  
T. +39 049 8959511  
[info@esse-ci.it](mailto:info@esse-ci.it)

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[esse-ci.com](http://esse-ci.com)