



Blade R All in one

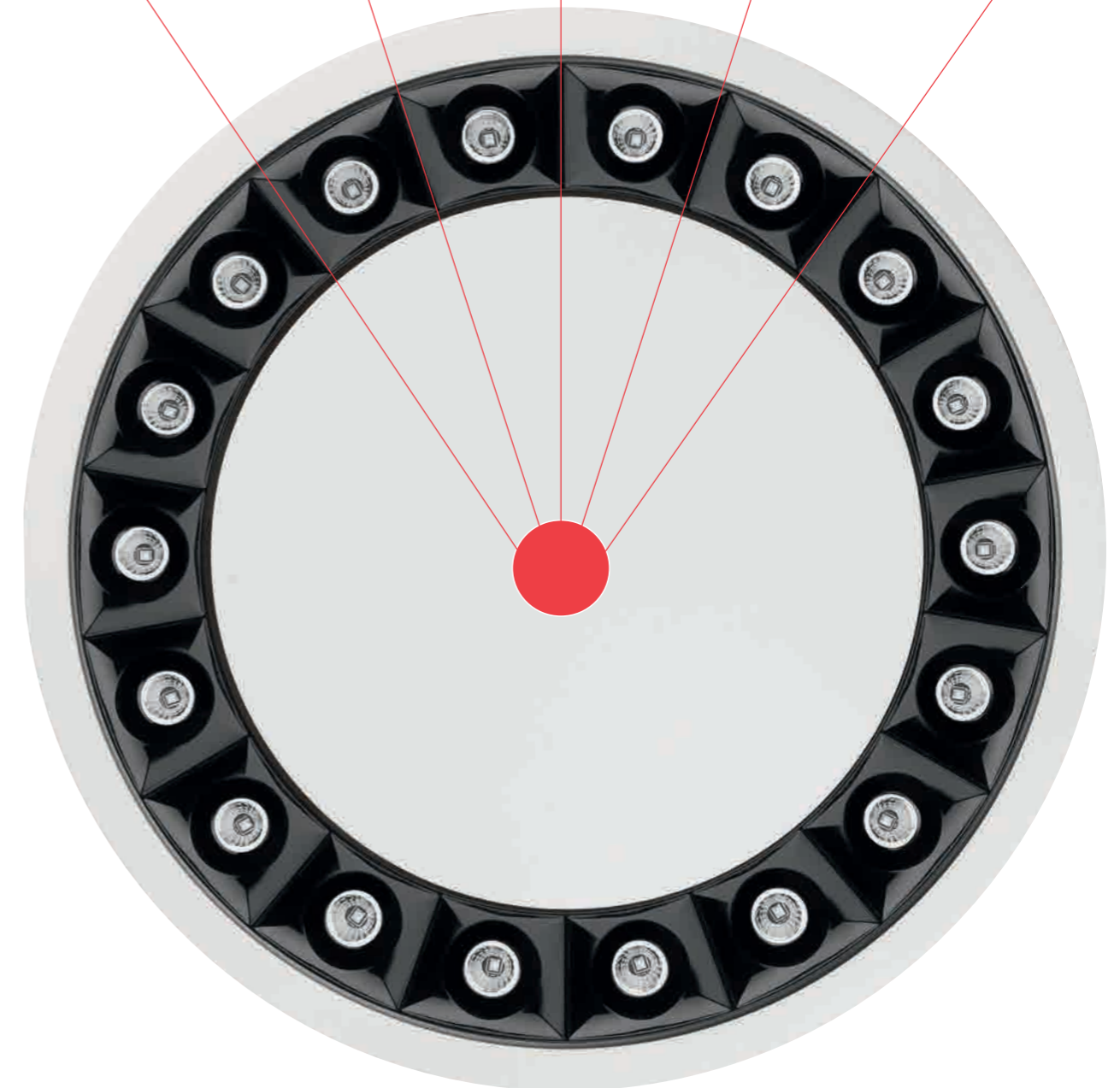
Entertainment

Sustainability

Better Light

Safety

Smart solutions



Scale 1:1

From chaos to order.

Blade R further develops the concept of integration in architecture to promote human well being by enabling security, entertainment, comfort and sustainability services in a smart way.

All in One

Blade R responds to multiple spatial needs in compliance with safety regulations and to meet new user habits and needs.

Blade R integrates and simplifies: a miniaturised, compact ring of light ensuring very high visual comfort, with a central heart capable of housing various devices to meet the needs and well-being of users. The built-in loudspeaker allows for sound broadcasting intended to create a more agreeable environment and, at the same time, ensure compliance with safety regulations in the event of fire through evacuation announcements. Integrating the smoke detector is also mandatory for fire announcement purposes. Integration with emergency lighting guides people in the event of a blackout.

The built-in video camera provides a complete overview of the premises to help protect people. The built-in BLE multi-sensor ensures precise use of light, as needed, to achieve energy saving. Lastly, integration of luminaires with different lighting distributions and colours, creates a full-scale, dynamic illumination schedule. Blade R is smart and can be managed from a smartphone.

Safety

+ Emergency lighting

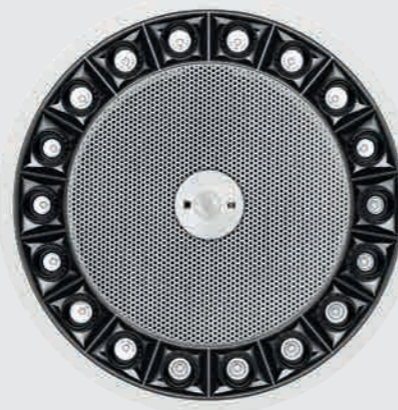
Optics for escape routes or anti-panic devices (open area). Autonomy of 3 h, can be used as permanent / non-permanent.



Smart Solutions / Sustainability / Better Light

+ BLE multi-sensor

Movement and light sensor. Compatible with Bluetooth system. Quick BLE is equipped with a Beacon for enabling smart services.



Safety

+ Video camera

Video camera ideal for any location where high quality video monitoring is required for the safety of people and property



Better Light

+ Adjustable light

The product is fully recessed and, in addition to rotating by 30° on its horizontal axis, it also allows rotation of up to 355° on its vertical axis. Adjustable laser



Safety / Entertainment

+ Loudspeaker

Audio speaker for music / messages and evacuation (P.A. 100V), can be adapted to conventional audio systems (8 ohm) and CPR / EN54-24 certified systems.



Safety

+ Smoke detector

Cover with adapter bracket for optical directional smoke detector. Contact iGuzzini for compatible models .



Better Light

+ Profiled light

Precision adjustment is set by rotating the body without opening the product with directional flaps for manual adjustment of shapes. Palco Framer Low Voltage Ø 19-37mm



Better Light / Smart Solutions

+ Variable light

Diffused light with very high efficiency values and high visual comfort for total luminance control. Monochromatic, tunable white and RGB versions Easy Ø96 mm



*European standard for Fire detection and signalling systems - Part 24: Voice alarm system components - Speakers)

*European standard for Fire detection and signalling systems:

Functional and aesthetic integration with architecture

From chaos to order: Blade R integrates, simplifies and restores purity and harmony in ceilings. Absolute, functional and aesthetic integration.

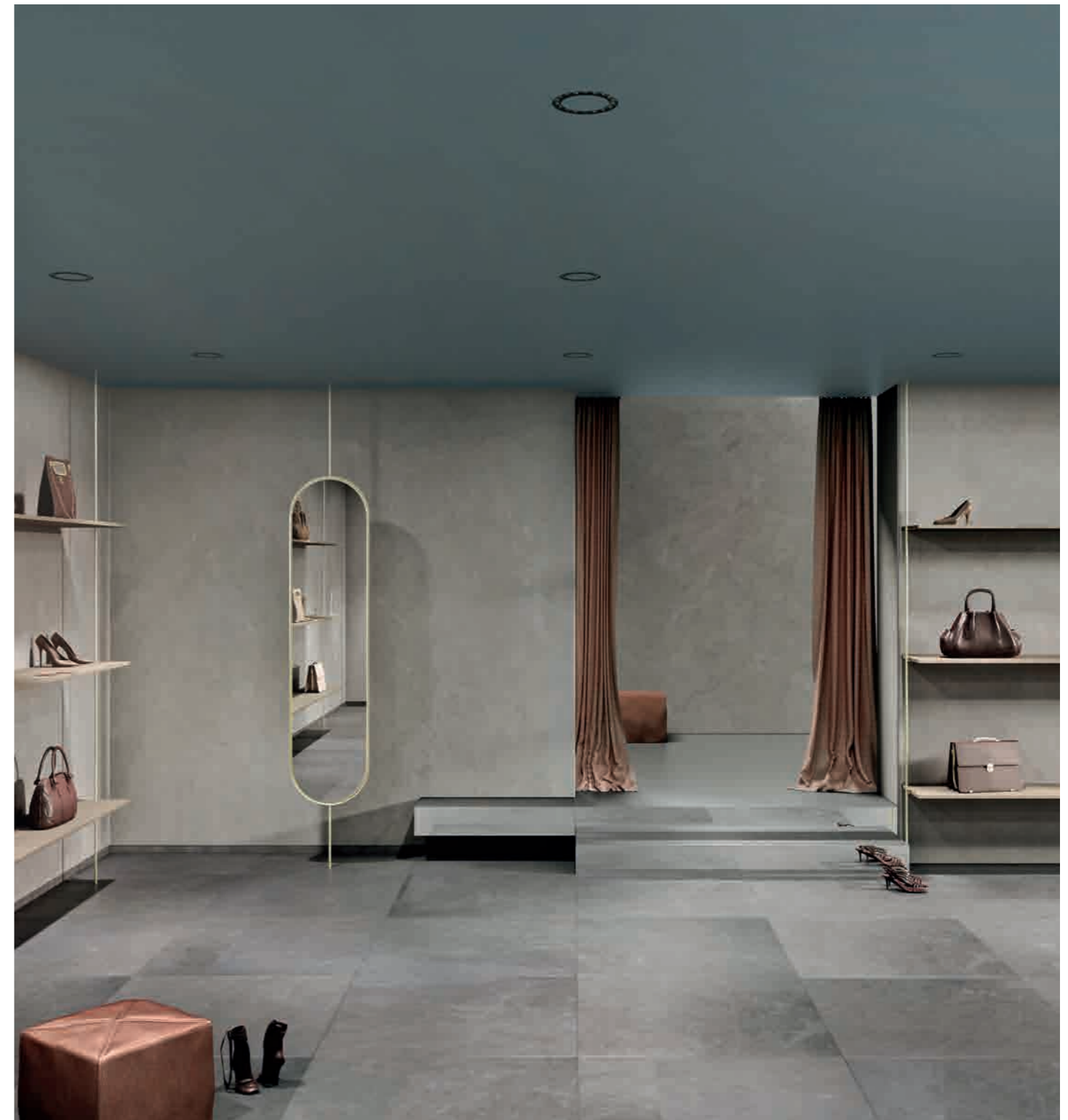
Blade R is masterpiece of accuracy, a jewel of precision that turns light into an element of aesthetic and functional fusion with architecture. Architects designing spaces have the task of combining elements and functions through harmonious integration, thereby ensuring overall value and liveability of the architectural environment for users. While furnishings can be designed within the same space and, consequently, be fully integrated into the context, other functional and technological elements are often

already available on the market with specific designs that do not always allow formal harmony between themselves and within the architectural setting. Blade R seeks to respond to this dual need for functional and formal integration. More advantages and more functions in a single product. The first advantage is that people live in a "cleaner" space while also enjoying many other services, over and above lighting. All in One.

Before / 32 devices without Blade R



After / 11 Blade R



Blade R Safety + Video camera

The project to integrate Blade R with a video camera came about thanks to collaboration between AXIS⁺ and iGuzzini, two leading companies in innovation at the service of architecture. Integrating two important functional items offers designers much more than the mere sum of the two. First and foremost, it provides architects with a formal solution to create harmony and purity in ceilings, simplifies activities and rationalises design by encouraging dialogue between architects,

engineers and systems integrators. It also simplifies installation with advantages in terms of times and costs. Lastly, it offers end customers an innovative integrated solution with additional services that go beyond light and safety.

The integrated Blade R + video camera solution has been tested in relation to reference standards in order to ensure performance and reliability over time.

All in One.

Blade R integrates the sensor, comprising the lens and image sensor, while the main unit is remote and used to manage multiple sensors. Convenience and flexibility.

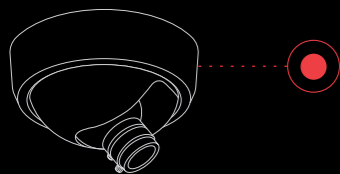
in partnership with



Lens + Image sensor



Remote main unit



Blade R + Varifocal dome network camera

High performance and flexible modularity.

The FA4115 varifocal dome network camera solution is ideal indoor applications such as shops, banks, hospitals and airports. It is based on separate components: a sensor unit, including a lens and an image sensor c/w pre-mounted cable, built into the Blade R system and paired with a remote FA54 main unit that acts as the camera body connected via a cable. Thanks to the flexible design, the small sensor unit can be installed when

needed and the main unit can be placed where there is sufficient space. The FA4115 sensor unit includes an image sensor with a resolution of 1080p (1920 x 1080 pixels) and a varifocal lens providing an horizontal field of view between 53° and 99°. In telephoto mode, a close-up view means that more details can be captured. In wide-angle mode, more than one scene can be covered.



Blade R integrates the camera complete with the built-in main unit: this solution has been tested by both companies, Axis and iGuzzini, to ensure correct operation of both functions in compliance with respective current regulations.

in partnership with



Blade R + Fixed varifocal dome network camera

High performance in difficult lighting conditions.

The M3065 fixed dome network camera is ideal for retail and hospitality & living contexts. Equipped with wide dynamic range (WDR) to obtain clear images when the scene includes both light and dark areas, it offers 1080p HDTV video quality and day/night shooting functions to ensure the sensitivity level and high quality black & white images in low light conditions. The camera offers an horizontal field of view of 102° and a vertical field of view of

55°. The elegant design also has the advantage there being no visible screws, since the housing simply clicks into place. All the more, Zipstream technology with support for H.264 and H.265 reduces bandwidth and storage space requirements. Remote PTRZ (Pan/Tilt/Roll/Zoom) functions ensure exceptional speed and effective installation for low costs and times.



Beyond light, beyond safety

From one to many

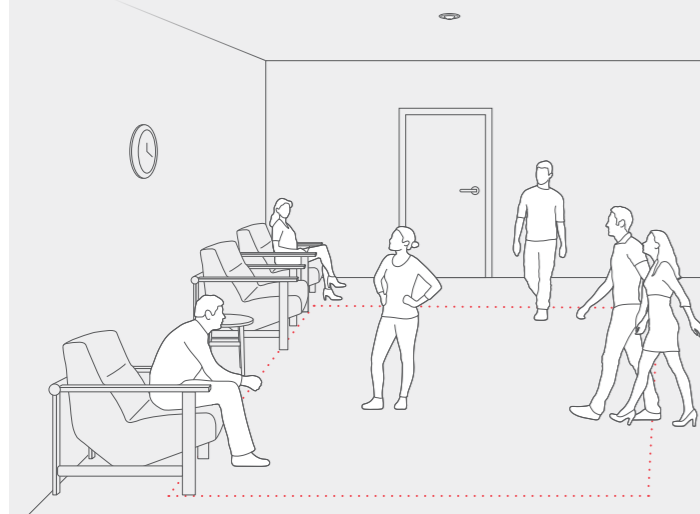
Blade R + video camera means you can integrate two elements into one, thereby concentrating lighting and video surveillance into a single point on the ceiling. Yet, there's more. The video camera expands functionality beyond security to make management of spaces and people even more efficient, improving the overall service

and personal experience in a given environment and occasion. Discover the answer to all your needs by activating the Occupancy, People Counter, Crossing Line Alert, Blocked Exit, Queue Monitoring, Wrong Way Detection and Response for Dwell Time functions with the camera. Blade R| All in One.

Multiple functions to provide joint services by integrating lighting, security and better management of spaces and people.

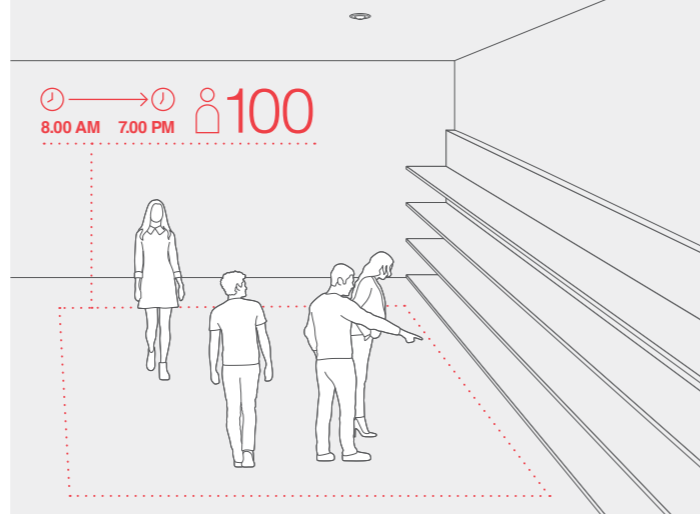
Occupancy

Real time information about how many people are present in a given area at any given time.



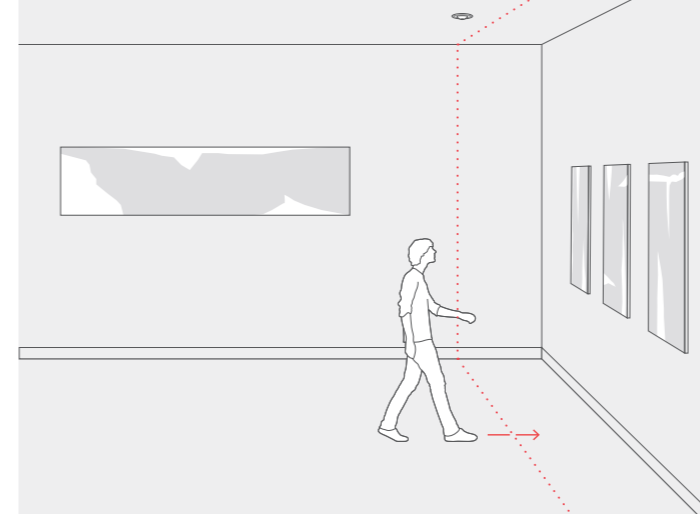
People counter

Quantify the number of people entering a given space over a given period of time.



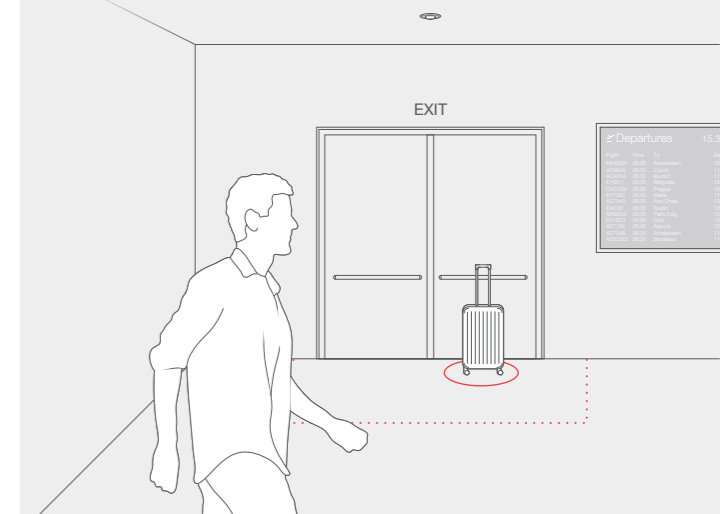
Crossing Line Alert

Detect and signal when a virtual limit is crossed to security personnel or via an audio message.



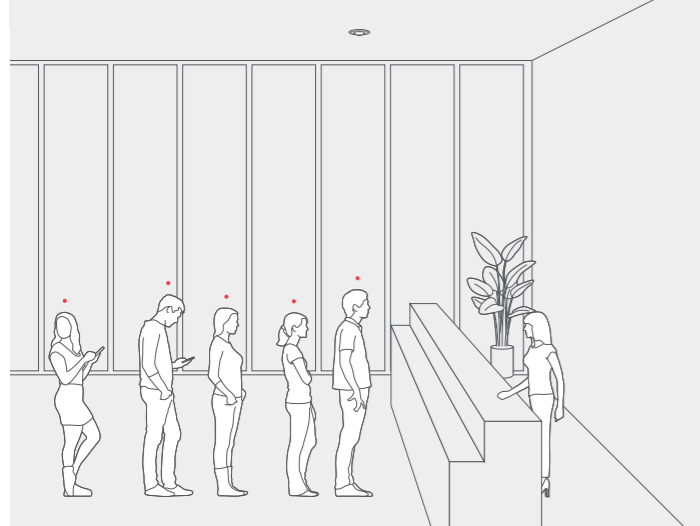
Blocked exit

Indicate even temporary occupation of the space in front of an emergency exit.



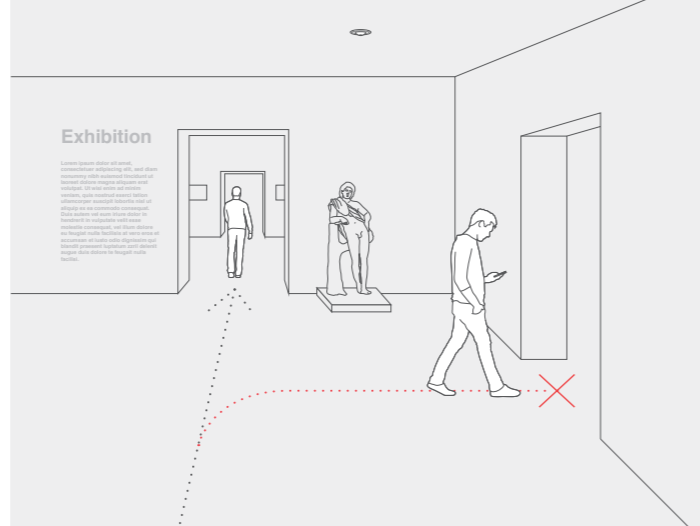
Queue monitoring

Limit the number of people in queues to improve wait time management.



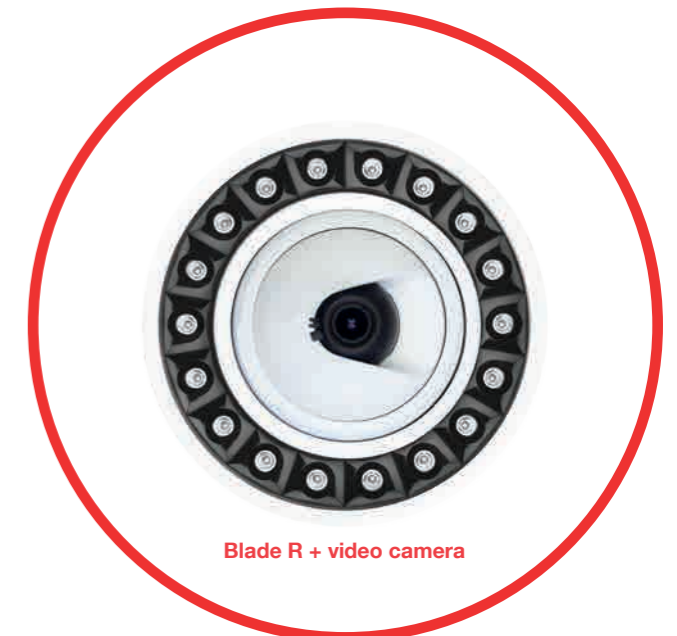
Wrong way detection

Signal if a person takes an incorrect path, voluntarily or otherwise, by sending a voice or text message.



Response for dwell time

Signal if a person remains for a long time in a particular area by sending a message.



Blade R + video camera

Respond to your visitor flow

Occupancy | Retail

The Occupancy function helps you understand how space is used, monitor visitor flows, improve the use of various areas, obtain indications of customer preferences, optimise staff planning and opening hours as well as take steps if occupancy exceeds a defined threshold. Formal and functional integration, Blade R_ All in One.



Count people to make informed decisions

People Counter | Retail

The People Counter function provides useful information for analysing visitor trends and making decisions that help business grow. It helps improve customer experience, manage access to the facility and optimise staff deployment. It is possible to analyse visitor flows quickly and identify peak visiting times to guide decisions more effectively. Formal and functional integration, Blade R_ All in One.



Don't keep them waiting!

Queue Monitoring | Retail

Long queues cause dissatisfied customers. The Queue Monitoring function provides real-time data about the number of people in a queue and statistics detailing daily fluctuations so that queues can be managed more effectively and waiting times reduced, thereby improving the overall experience and loyalty of visitors as well as optimising staff allocation and effectiveness. Formal and functional integration, Blade R_ All in One.



Transforming stillness into action

Response for dwell time | Retail

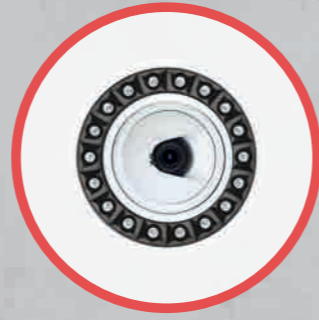
A customer who does not move for a long time is an alert. The Dwell Time function makes it possible to transform such "non-action" into "action". You can decide to send an informative message, or provide immediate assistance to show attention to his/her needs; on the contrary, it might indicate a potential risk of theft and, if so, the worst can be prevented and avoided. Formal and functional integration, Blade R_ All in One.



Uncover workplace insight

Occupancy | Work

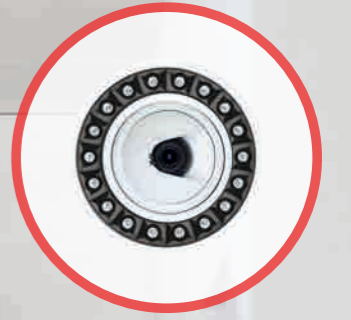
The Occupancy function helps you understand and improve management of spaces by detecting the quantitative flows of people in a given area or room, monitoring management of space and use of systems, in accordance with effective usage, including light. This ensures advantages in terms of both energy and economics by promoting sustainable management of the workplace. Formal and functional integration, Blade R_ All in One.



Where staff feel secure

Blocked Exit | Work

Even in workplaces, there is often the need to install surveillance cameras for safety/security reasons that frame certain areas within the facility. The Blocked Exit function detects the presence of an obstacle at safety exits and immediately sends a message to the security officer. Formal and functional integration, Blade R_ All in One.



Ensure comfortable space

Occupancy | Hospitality

Monitoring Occupancy in an environment means managing the number of people present but also flows from one area to another, thereby giving customers the feeling of moving in an open space, free of crowds while taking care of their well-being. This is all the more true in areas dedicated to such purposes, such as fitness centres or reception areas. Formal and functional integration, Blade R_ All in One.



Don't keep them waiting!

Queue Monitoring | Hospitality

First impression matter most: a long queue means there is a disservice in the Hotel that leaves an indelible mark on the perception of guests. The Queue Monitoring function, on the other hand, helps to manage queues efficiently by allocating staff as needed, thereby improving the experience, welcome and loyalty of guests. Formal and functional integration, Blade R_ All in One.

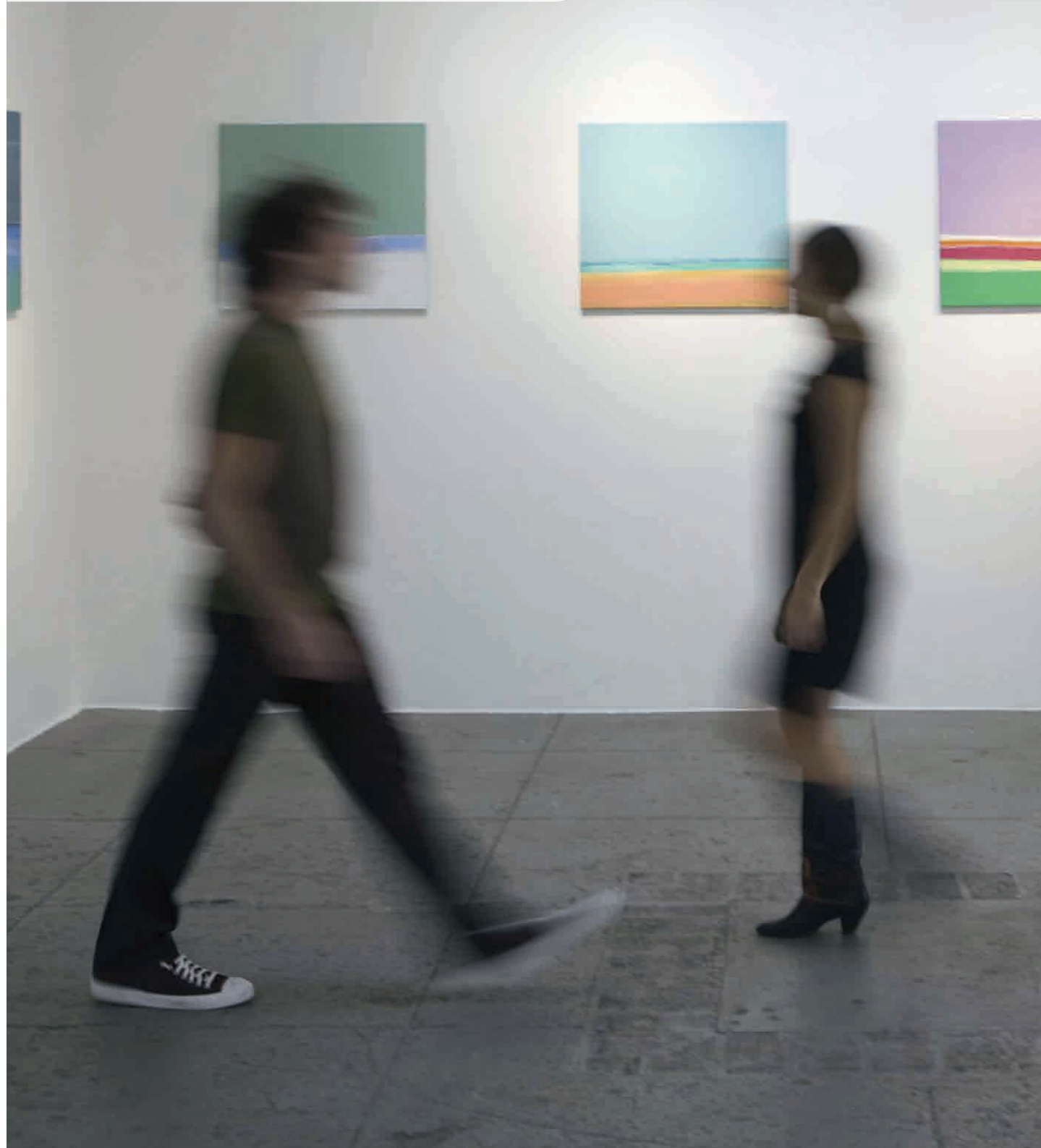
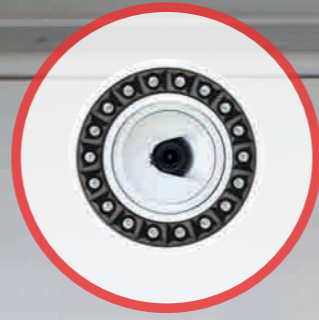


Guiding visitors in the right direction

Wrong Way Detection | Culture

The “Wrong Way Detection” function spots people moving in the wrong direction and can immediately alert them by means of an audio message, an alarm or a flashing light or by alerting security personnel or, ultimately, also start a video recording.

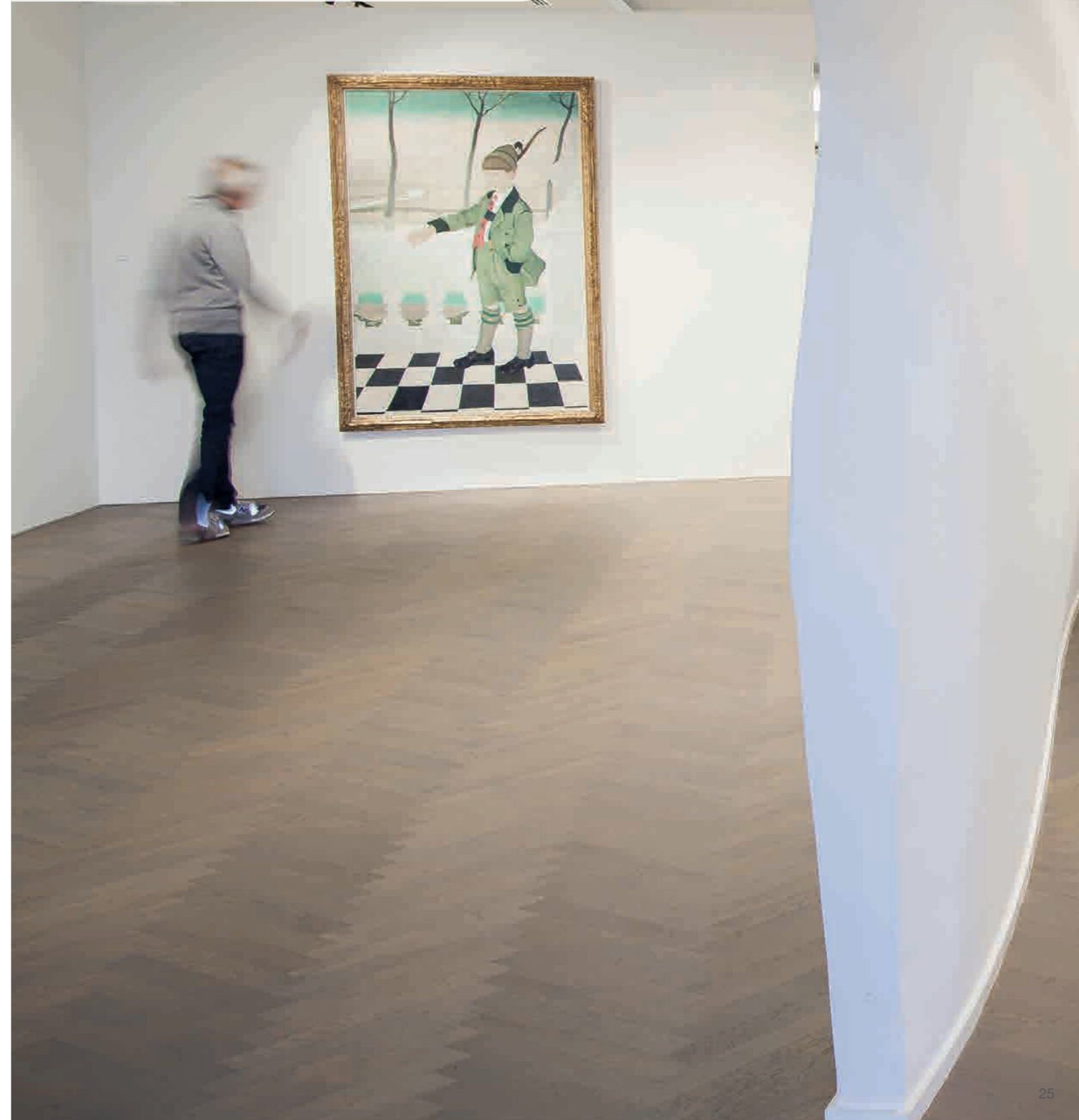
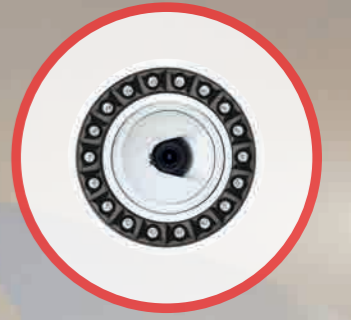
This reduces the need for additional physical obstacles or permanent on the ground supervision. Formal and functional integration, Blade R_ All in One.



Do Not Touch

Crossing Line Alert | Culture

Three words indelibly associated with museums and galleries: Do Not Touch. However, not every four-year-old can read a sign. And that's not enough: even physical barriers are often unable to prevent vandalism. The “Crossing Line Alert” function intercepts when a virtual barrier is crossed and immediately sends a signal, to the visitor and to security alike. Formal and functional integration, Blade R_ All in One.



Overview

Blade R

ø 80
 Frame / Minimal*
 14W / 1176 lm (system values referred to 4000K CRI 80)
 24° / 42° / 58°
 4000K - CRI 80 / CRI 90
 3000K - CRI 80 / CRI 90
 2700K - CRI 80 / CRI 90



h 37

ø 125
 Frame / Minimal*
 26,8 W / 2380 lm (system values referred to 4000K CRI 80)
 24° / 42° / 58°
 4000K - CRI 80 / CRI 90
 3000K - CRI 80 / CRI 90
 2700K - CRI 80 / CRI 90



h 40

Blade R

ø 170
 Frame / Minimal*
 39 W / 3528 lm (system values referred to 4000K CRI 80)
 24° / 36° / 55°
 4000K - CRI 80 / CRI 90
 3000K - CRI 80 / CRI 90
 2700K - CRI 80 / CRI 90



h 44

ø 170 / Dual emission
 Frame
 56,2 W / 5063 lm (system values referred to 4000K CRI 80)
 24° / 42°
 4000K - CRI 80 / CRI 90
 3000K - CRI 80 / CRI 90
 2700K - CRI 80 / CRI 90



Cover



Cover



Multi-sensor



Palco Framer ø 19 mm



Adjustable Laser ø 59 mm



Cover



Multi-sensor



Speaker



Cover



Emergency



Video camera**



Smoke detector**



Palco Framer ø 37 mm



Adjustable Laser ø 75 mm



Easy ø 96 mm

** For the cameras,, PB12 / PC45 adapters must be ordered separately.



For additional information about compatible video cameras and smoke detectors, contact iGuzzini



See the Blade R + Axis FA4115 installation videos



See the Blade R + Axis M3065 installation videos

* Trim Kit for minimal version to be ordered separately



Refer to the Blade R landing page - iguzzini.com/blade-r

Credits
Foto Still Life
Esa Studio Buschi

Rendering
Gelfo Design

