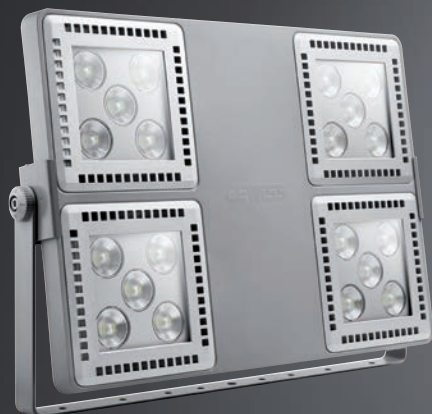




Smart [4]

LED SYSTEMS FOR
INDUSTRIAL LIGHTING
AND FLOODLIGHTS



Smart [4]

TRULY SUSTAINABLE LIGHTING

Intelligence is the ability to adapt to the environment, resorting to the best solutions in terms of effectiveness and efficiency, in any situation.

Smart [4] is the new lighting device from GEWISS that interprets intelligence in precisely this way, transforming its practical and application versatility into its most distinguishing feature.

The new GEWISS device is designed, in fact, to offer sustainable light in a wide variety of contexts where good performance is essential. **Smart [4]** can be a floodlight, high bay or luminaire as needed, offering different photometries according to the various situations.

The horizontal and vertical modularity of the new product combines with the easy installation and maintenance, the use of “green” materials and unmistakable Italian style. A unique range that comes in three different versions – **COMFORT, PERFORMANCE, EFFICIENCY** – to ensure optimum lighting results in terms of chromatic yield, control and quantity of light flux.

And that's not all. **Smart [4]** can be managed by means of advanced systems like DALI and DALI READY, or even wireless systems (via a smartphone, tablet, PC or supervisor panel). And for architectural or decorative applications, **Smart [4]** has RGBW colour versions to create different lighting scenes.

Energy efficiency, lighting quality, an immediate return on the investment, quick and easy set-up: these are the characteristics that make **Smart [4]** a truly smart product.

Smart [4] Choose your set-up



COMFORT

Colour Render Index: **80**

Max. efficiency: **89** lm/W

This version is distinguished by the optimum flux control and high chromatic yield index, guaranteeing **excellent visual comfort**.



PERFORMANCE

Colour Render Index: **80**

Max. efficiency: **94** lm/W

The **perfect balance** between lighting power and light quality.



EFFICIENCY

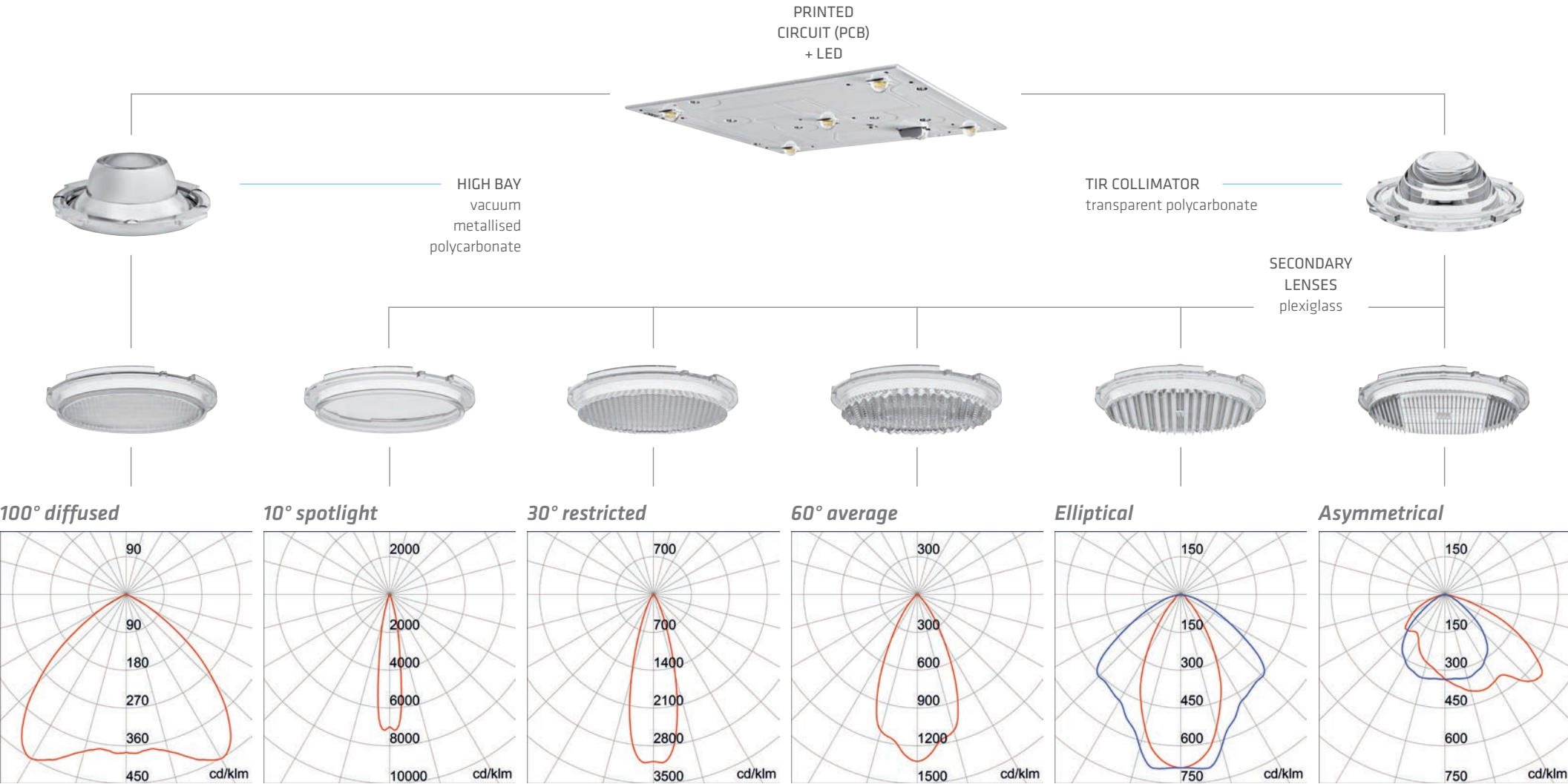
Colour Render Index: **70**

Max. efficiency: **101** lm/W

The High Power LED offers the best in terms of **lighting efficiency** and the amount of flux.

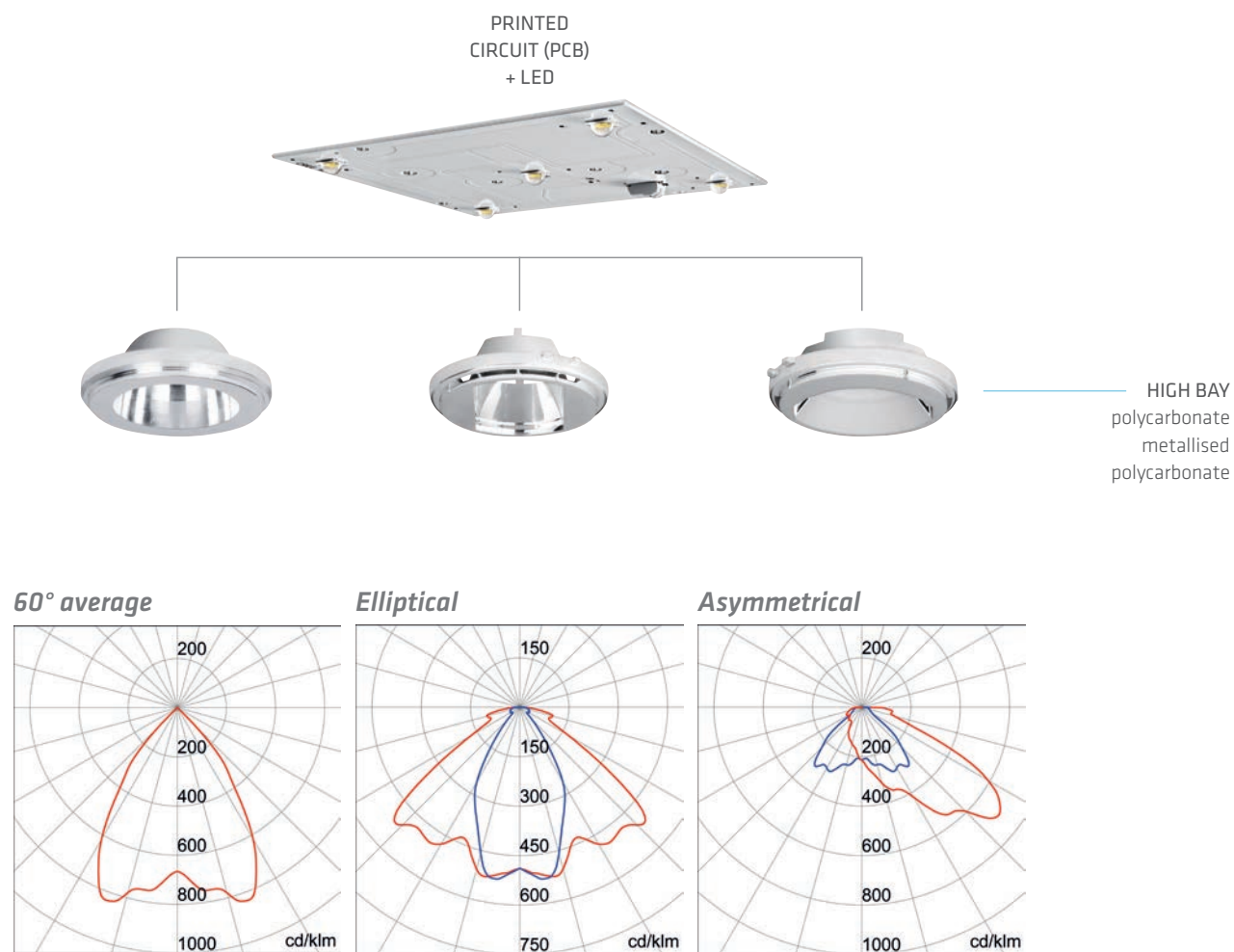
Set-up

COMFORT



Set-up

PERFORMANCE



Set-up

EFFICIENCY

PRINTED
CIRCUIT (PCB)
+ LED

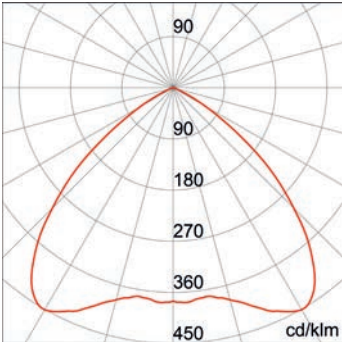


SECONDARY LENS
plexiglass

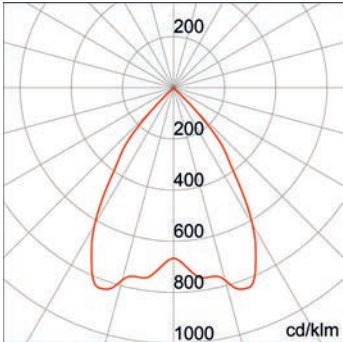


HIGH BAY
vacuum
metallised
polycarbonate

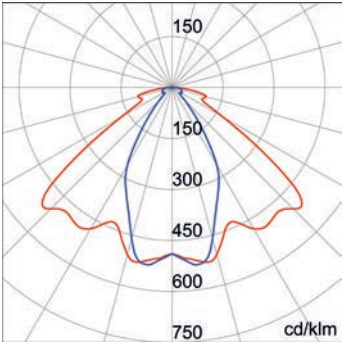
100° diffused



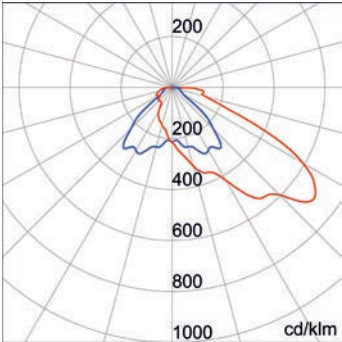
60° average



Elliptical



Asymmetrical



Thermal sizing

Dissipator design

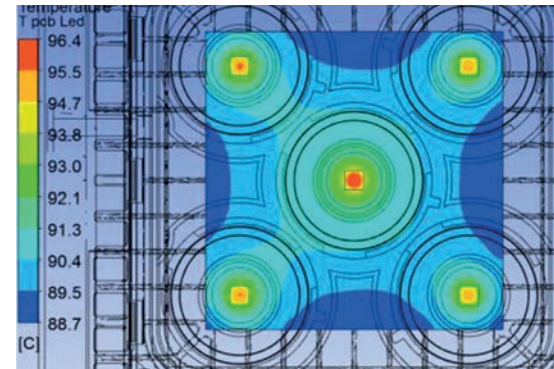
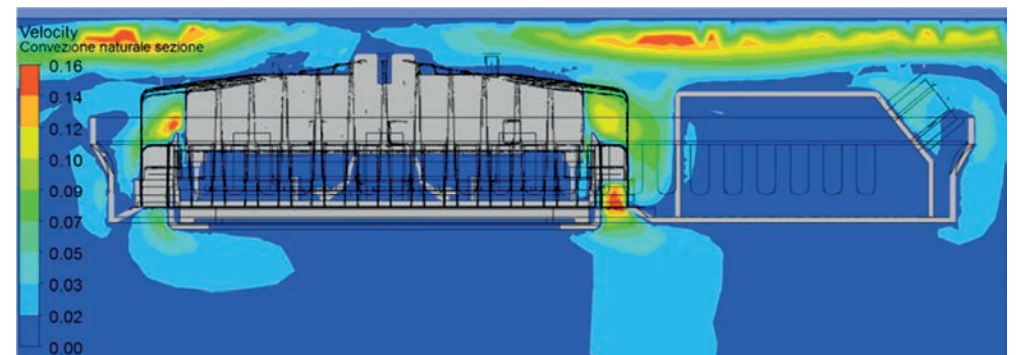
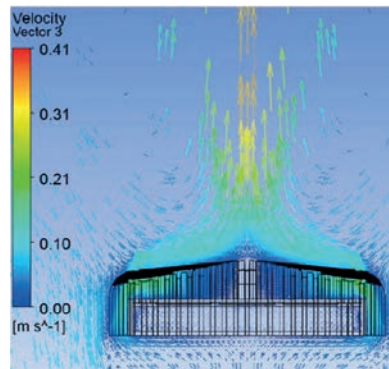
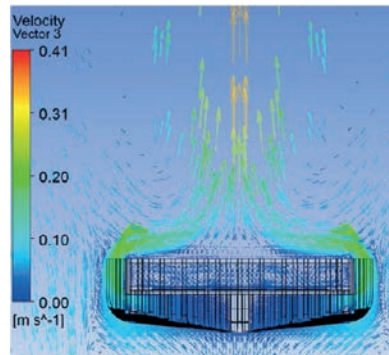
The heat produced while the LED chip is working must be correctly dissipated to avoid any alteration of the quantitative and qualitative performance (e.g. lighting efficiency, average lifespan, spectral emissions). Gewiss has decided to create a dissipator in die-cast aluminium with a very low copper content, sized so as to guarantee the correct functioning of the diodes.

Careful preliminary studies, carried out using dedicated software and validated by sample testing, ensure optimal working conditions.

Heat exchange

Heat dispersion in the lighting device is guaranteed by the correct size of the passive dissipator (located directly in contact with the printed circuit board) and by heat paths that promote heat exchange between the device and the external environment.

Smart [4], designed according to integrated thermal criteria, uses even the smallest movement of the air to dissipate the heat.



Virtual simulation of the passive dissipator, thermal behaviour inside it and in the surrounding environment.

Environmental certifications for a truly green product

A new design and technological approach: eco-design

Life cycle evaluation

Smart [4] is designed to optimise the efficiency of production plants, with a particular focus on the phases linked to the end consumer: distribution, use and end of working life. The result is a product with a high degree of efficiency for the same performance levels, and certified at international level.

In recent years, GEWISS has taken the road of environmental sustainability, as demonstrated in the creation of increasingly innovative and eco-compatible products that optimise production plant efficiency. Starting from a purely voluntary interest, GEWISS has gone on to develop items that consider the whole life cycle, offering the end consumer a product that uses electricity with optimum efficiency standards whilst still maintaining the same level of performance. The design and production approach adopted with

Smart [4] is a huge step forward for the entire lighting sector, because it even pre-empts the regulatory developments currently being examined. In fact, the European Community is carrying out a series of pilot studies relating to the Product Environmental Footprint (PEF) with the aim, in the near future, of facilitating the spread of goods and services whose impact is quantified, monitored and communicated, and therefore managed to ensure continuing improvement.



IMQ-Eco certification

IMQ Eco is a national, voluntary certification issued by a third party (Istituto Italiano Marchio di Qualità) to confirm the truthfulness and impartiality of the declarations concerning the environmental, ecological or energy characteristics of a product. It is obtained thanks to the high percentage of recyclability of the product **Smart [4]** (83.1% of recyclability for GW L1 111).





Industrial lighting



5 YEARS
EXTENDED
WARRANTY

Smart [4] LB|HB

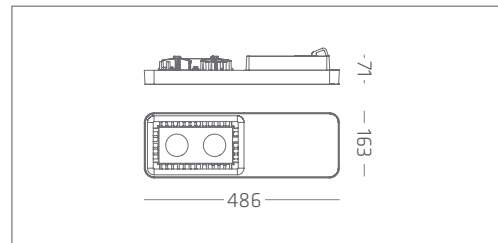
A lighting device for industrial environments, logistics centres and parking areas.

- Frame in technopolymer
- Dissipator in die-cast aluminium with very low copper content
- Tempered glass, 4mm thick
- Fixing plate in galvanised steel

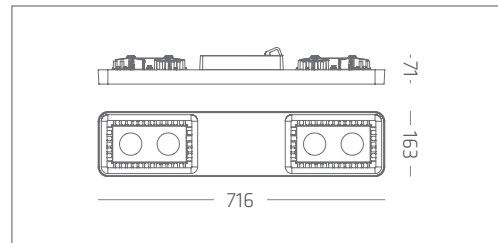
- Fixing spring in pre-stressed steel wire / steel cables
- IP66
- IK08
- GLOW WIRE TEST 850°C
- Versions complying with DIN 18032-3 for installation in covered sports facilities

Low-bay lighting devices

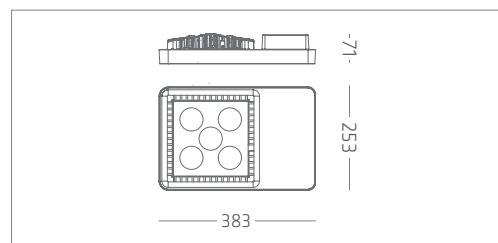
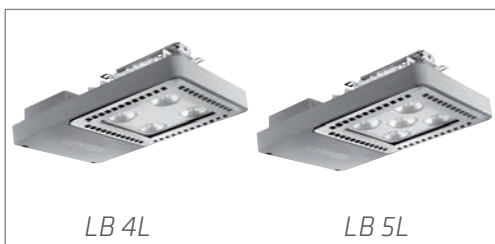
Smart [4] LB - 2L - IP66 - IK08 - GLOW WIRE TEST 850°C



Smart [4] LB - 2+2L - IP66 - IK08 - GLOW WIRE TEST 850°C

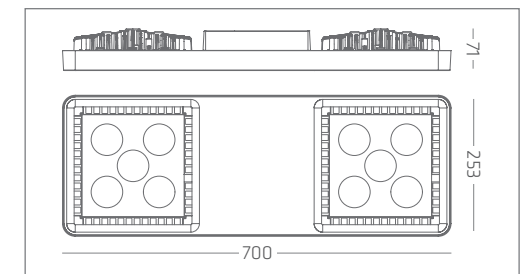
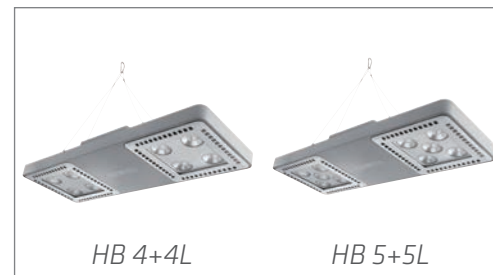


Smart [4] LB - 4L - IP66 - IK08 - GLOW WIRE TEST 850°C
5L - IP66 - IK08 - GLOW WIRE TEST 850°C

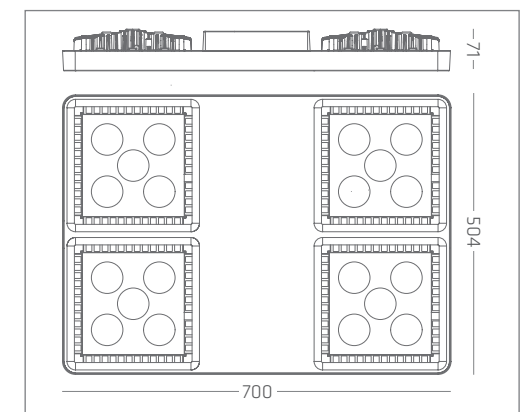


High-bay lighting devices

Smart [4] HB - 4+4L - IP66 - IK08 - GLOW WIRE TEST 850°C
5+5L - IP66 - IK08 - GLOW WIRE TEST 850°C



Smart [4] HB - 4x4L - IP66 - IK08 - GLOW WIRE TEST 850°C
4x5L - IP66 - IK08 - GLOW WIRE TEST 850°C



Colours



Smart [4] LB-HB COMFORT		Smart [4] - LB 2L	Smart [4] - LB 2+2L	Smart [4] - LB 4L	Smart [4] - LB 5L	Smart [4]-HB 4+4L	Smart [4]-HB 5+5L	Smart [4]-HB 4x4L	Smart [4]-HB 4x5L
Lumen output ¹		2,710 lm	5,150 lm	5,420 lm	6,170 lm	10,840 lm	12,340 lm	21,680 lm	24,680 lm
System power		31W	62W	62W	69W	124W	138W	248W	276W
Equivalent power		1x58W FD	2x58W FD	2x58W FD	2x58W FD	250W ME	250W ME	400W ME	400W ME
System efficiency		87 lm/W	83 lm/W	87 lm/W	89 lm/W	87 lm/W	89 lm/W	87 lm/W	89 lm/W
Lifetime (L80)		80,000h	80,000h	80,000h	80,000h	80,000h	80,000h	80,000h	80,000h
Colour temperature		4,000K	4,000K	4,000K	4,000K	4,000K	4,000K	4,000K	4,000K
CRI		≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80
Weight (kg)		2.3 kg	4.1 kg	4 kg	4 kg	7.4 kg	7.4 kg	13.4 kg	13.4 kg
Installation	Ceiling	■	■	■	■	☐	☐	☐	☐
	Trunking	■	■	■	■	■	■	■	■
	Rod (ties)	☐	☐	■	■	☐	☐	■	■
	Rod (plate)	☐	☐	☐	☐	☐	☐	■	■
	Suspension	☐	☐	☐	☐	■	■	■	■
	Bracket	☐	☐	☐	☐	☐	☐	☐	☐
Stand Alone	100°	GW L1 011	GW L1 041	GW L1 071	GW L1 111	GW L1 311	GW L1 341	GW L1 371	GW L1 411
	60°	GW L1 012	GW L1 042	GW L1 072	GW L1 112	GW L1 312	GW L1 342	GW L1 372	GW L1 412
	30°	GW L1 013	GW L1 043	GW L1 073	GW L1 113	GW L1 313	GW L1 343	GW L1 373	GW L1 413
	Elliptic	GW L1 014	GW L1 044	GW L1 074	GW L1 114	GW L1 314	GW L1 344	GW L1 374	GW L1 414
DALI Ready	100°	GW L1 011 DR	GW L1 041 DR	GW L1 071 DR	GW L1 111 DR	GW L1 311 DR	GW L1 341 DR	GW L1 371 DR	GW L1 411 DR
	60°	GW L1 012 DR	GW L1 042 DR	GW L1 072 DR	GW L1 112 DR	GW L1 312 DR	GW L1 342 DR	GW L1 372 DR	GW L1 412 DR
	30°	GW L1 013 DR	GW L1 043 DR	GW L1 073 DR	GW L1 113 DR	GW L1 313 DR	GW L1 343 DR	GW L1 373 DR	GW L1 413 DR
	Elliptic	GW L1 014 DR	GW L1 044 DR	GW L1 074 DR	GW L1 114 DR	GW L1 314 DR	GW L1 344 DR	GW L1 374 DR	GW L1 414 DR
DALI	100°	GW L1 011 D	GW L1 041 D	GW L1 071 D		GW L1 311 D		GW L1 371 D	GW L1 411 D
	60°	GW L1 012 D	GW L1 042 D	GW L1 072 D		GW L1 312 D		GW L1 372 D	GW L1 412 D
	30°	GW L1 013 D	GW L1 043 D	GW L1 073 D		GW L1 313 D		GW L1 373 D	GW L1 413 D
	Elliptic	GW L1 014 D	GW L1 044 D	GW L1 074 D		GW L1 314 D		GW L1 374 D	GW L1 414 D
Wireless	100°	GW L1 011 RF	GW L1 041 RF	GW L1 071 RF		GW L1 311 RF		GW L1 371 RF	GW L1 411 RF
	60°	GW L1 012 RF	GW L1 042 RF	GW L1 072 RF		GW L1 312 RF		GW L1 372 RF	GW L1 412 RF
	30°	GW L1 013 RF	GW L1 043 RF	GW L1 073 RF		GW L1 313 RF		GW L1 373 RF	GW L1 413 RF
Emergency ⁴	100°	GW L1 091 E	GW L1 092 E	GW L1 093 E		GW L1 391 E		GW L1 392 E	
Complementary items		Smart [4] - LB 2L	Smart [4] - LB 2+2L	Smart [4] - LB 4L	Smart [4] - LB 5L	Smart [4]-HB 4+4L	Smart [4]-HB 5+5L	Smart [4]-HB 4x4L	Smart [4]-HB 4x5L
Items for installation	Bracket	GW L1 921	GW L1 922	GW L1 923	GW L1 923	GW L1 924	GW L1 924	GW L1 925	GW L1 925
	Fixed suspension kit	☐	☐	☐	☐	■	■	■	■
	Adjustable suspension kit	GW L1 901	GW L1 901	GW L1 901	GW L1 901	GW L1 901	GW L1 901	GW L1 901	GW L1 901
	Rod fixing kit	☐	☐	GW L1 926	GW L1 926	4 x GW L1 926	4 x GW L1 926	☐	☐
	Kit for surface-mounting/ceiling-mounting	■	■	■	■	GW L1 927	GW L1 927	GW L1 928	GW L1 928
	Fast Cleaner cover	☐	☐	☐	GW L1 929	☐	☐	☐	☐
Spare parts	Spare glass	GW L1 906	GW L1 906	GW L1 907	GW L1 907	GW L1 907	GW L1 907	GW L1 907	GW L1 907
Interface	DALI/DALI Ready	GW L1 941	GW L1 941	GW L1 941	GW L1 941	GW L1 941	GW L1 941	GW L1 941	GW L1 941

■ Standard ☐ Accessory ☐ Not envisaged

¹In reference to the version with 100° diffused optic - Stand Alone

**Smart [4] LB-HB
PERFORMANCE**

		Smart [4] - LB 2L	Smart [4] - LB 2+2L	Smart [4] - LB 4L	Smart [4] - LB 5L	Smart [4]-HB 4+4L	Smart [4]-HB 5+5L	Smart [4]-HB 4x4L	Smart [4]-HB 4x5L
Lumen output ¹		2,780 lm	5,560 lm	5,560 lm	6,470 lm	11,110 lm	12,940 lm	22,220 lm	25,880 lm
System power		31W	62W	62W	69W	124W	138W	248W	276W
Equivalent power		1x58W FD	2x58W FD	2x58W FD	2x58W FD	250W ME	250W ME	400W ME	400W ME
System efficiency		90 lm/W	90 lm/W	90 lm/W	94 lm/W	90 lm/W	94 lm/W	90 lm/W	94 lm/W
Lifetime (L80)		80,000h	80,000h	80,000h	80,000h	80,000h	80,000h	80,000h	80,000h
Colour temperature		4,000K	4,000K	4,000K	4,000K	4,000K	4,000K	4,000K	4,000K
CRI		≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80
Weight (kg)		2.3 kg	4.1 kg	4 kg	4 kg	7.4 kg	7.4 kg	13.4 kg	13.4 kg
Installation	Ceiling	■	■	■	■	☐	☐	☐	☐
	Trunking	■	■	■	■	■	■	■	■
	Rod (ties)	☐	☐	■	■	☐	☐	■	■
	Rod (plate)	☐	☐	☐	☐	☐	☐	■	■
	Suspension	☐	☐	☐	☐	■	■	■	■
Stand Alone	60°	GW L2 012	GW L2 042	GW L2 072	GW L2 112	GW L2 412	GW L2 442	GW L2 472	GW L2 512
	Elliptic	GW L2 014	GW L2 044	GW L2 074	GW L2 114	GW L2 414	GW L2 444	GW L2 474	GW L2 514
Wireless	60°	GW L2 012 RF	GW L2 042 RF	GW L2 072 RF	/	GW L2 412 RF	/	GW L2 472 RF	GW L2 512 RF
	Elliptic	GW L2 014 RF	GW L2 044 RF	GW L2 074 RF	/	GW L2 414 RF	/	GW L2 474 RF	GW L2 514 RF
Complementary items		Smart [4] - LB 2L	Smart [4] - LB 2+2L	Smart [4] - LB 4L	Smart [4] - LB 5L	Smart [4]-HB 4+4L	Smart [4]-HB 5+5L	Smart [4]-HB 4x4L	Smart [4]-HB 4x5L
Items for installation	Bracket	GW L1 921	GW L1 922	GW L1 923	GW L1 923	GW L1 924	GW L1 924	GW L1 925	GW L1 925
	Fixed suspension kit	☐	☐	☐	☐	■	■	■	■
	Adjustable suspension kit	GW L1 901	GW L1 901	GW L1 901	GW L1 901	GW L1 901	GW L1 901	GW L1 901	GW L1 901
	Rod fixing kit	☐	☐	GW L1 926	GW L1 926	4 x GW L1 926	4 x GW L1 926	☐	☐
	Kit for surface-mounting/ceiling-mounting	■	■	■	■	GW L1 927	GW L1 927	GW L1 928	GW L1 928
Spare parts	Fast Cleaner cover	☐	☐	☐	GW L1 929	☐	☐	☐	☐
	Spare glass	GW L1 906	GW L1 906	GW L1 907	GW L1 907	GW L1 907	GW L1 907	GW L1 907	GW L1 907
Interface		GW L1 941	GW L1 941	GW L1 941	GW L1 941	GW L1 941	GW L1 941	GW L1 941	GW L1 941

■ Standard ☐ Accessory ☐ Not envisaged
¹In reference to the version with 100° diffused optic - Stand Alone

Smart [4] LB-HB EFFICIENCY		Smart [4] - LB 2L	Smart [4] - LB 2+2L	Smart [4] - LB 4L	Smart [4] - LB 5L	Smart [4]-HB 4+4L	Smart [4]-HB 5+5L	Smart [4]-HB 4x4L	Smart [4]-HB 4x5L
Lumen output ¹		3,000 lm	6,000 lm	6,000 lm	6,990 lm	12,000 lm	13,980 lm	24,000 lm	27,950 lm
System power		31W	62W	62W	69W	124W	138W	248W	276W
Equivalent power		1x58W FD	2x58W FD	2x58W FD	2x58W FD	250W ME	250W ME	400W ME	400W ME
System efficiency		97 lm/W	97 lm/W	97 lm/W	101 lm/W	97 lm/W	101 lm/W	97 lm/W	101 lm/W
Lifetime (L80)		80,000h	80,000h	80,000h	80,000h	80,000h	80,000h	80,000h	80,000h
Colour temperature		4,000K	4,000K	4,000K	4,000K	4,000K	4,000K	4,000K	4,000K
CRI		≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70
Weight (kg)		2.3 kg	4.1 kg	4 kg	4 kg	7.4 kg	7.4 kg	13.4 kg	13.4 kg
Installation	Ceiling	■	■	■	■	☐	☐	☐	☐
	Trunking	■	■	■	■	■	■	■	■
	Rod (ties)	☐	☐	■	■	☐	☐	■	■
	Rod (plate)	☐	☐	☐	☐	☐	☐	■	■
	Suspension	☐	☐	☐	☐	■	■	■	■
	Bracket	☐	☐	☐	☐	☐	☐	☐	☐
Stand Alone	100°	GW L2 211	GW L2 241	GW L2 271	GW L2 311	GW L2 611	GW L2 641	GW L2 671	GW L2 711
	60°	GW L2 212	GW L2 242	GW L2 272	GW L2 312	GW L2 612	GW L2 642	GW L2 672	GW L2 712
Wireless	Elliptic	GW L2 214	GW L2 244	GW L2 274	GW L2 314	GW L2 614	GW L2 644	GW L2 674	GW L2 714

Complementary items		Smart [4] - LB 2L	Smart [4] - LB 2+2L	Smart [4] - LB 4L	Smart [4] - LB 5L	Smart [4]-HB 4+4L	Smart [4]-HB 5+5L	Smart [4]-HB 4x4L	Smart [4]-HB 4x5L
Items for installation	Bracket	GW L1 921	GW L1 922	GW L1 923	GW L1 923	GW L1 924	GW L1 924	GW L1 925	GW L1 925
	Fixed suspension kit	☐	☐	☐	☐	■	■	■	■
	Adjustable suspension kit	GW L1 901	GW L1 901	GW L1 901	GW L1 901	GW L1 901	GW L1 901	GW L1 901	GW L1 901
	Rod fixing kit	☐	☐	GW L1 926	GW L1 926	4 x GW L1 926	4 x GW L1 926	☐	☐
	Kit for surface-mounting/ceiling-mounting	■	■	■	■	GW L1 927	GW L1 927	GW L1 928	GW L1 928
	Fast Cleaner cover	☐	☐	☐	GW L1 929	☐	☐	☐	☐
Spare parts	Spare glass	GW L1 906	GW L1 906	GW L1 907	GW L1 907	GW L1 907	GW L1 907	GW L1 907	GW L1 907
Interface	DALI/DALI Ready	GW L1 941	GW L1 941	GW L1 941	GW L1 941	GW L1 941	GW L1 941	GW L1 941	GW L1 941

■ Standard ☐ Accessory ☐ Not envisaged

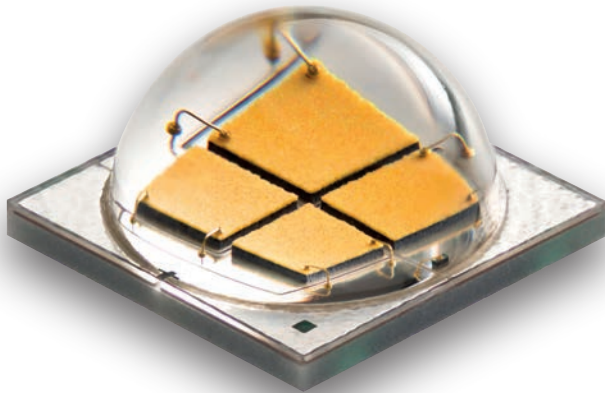
¹In reference to the version with 100° diffused optic - Stand Alone

Performance

Efficiency and constant performance over time

Power LEDs

The **Smart [4]** devices are equipped with Power LEDs. They provide a colour temperature of 4000K to guarantee high levels of light efficiency, low flux decay, long duration and excellent colour performance.



Why choose a Power LED?

From a photometric point of view, the main difference between a Power LED and a Midpower LED Array lies in the focus.

In the case of the Array, the dimensions of the emitting area mean that part of the flux is not perfectly controlled by the high bay, whereas the focus is more accurate with Power LEDs. In addition, their reduced size makes it possible to use TIR lenses too, offering highly controlled photometric division with a notable usage coefficient.

Power LEDs also offer better colour consistency over time, which producing a seemingly homogeneous colour in installations with a large number of lighting devices, and a colour yield more or less constant over time.

The use of a high quality Power LED (high BIN) makes it possible to obtain identical colour performances - in other words, to create lighting systems where it's very difficult to detect any colour differences between the devices.

In the case of a Midpower LED Array, the quality selection is generally more limited.

Colour consistency over time



Smart [4] - 4,000K - CRI 80



Neon - 3,600K - CRI 70



Yesterday, without Smart [4]

+ HIGHER COSTS
- LESS LIGHT



Today, with Smart [4]

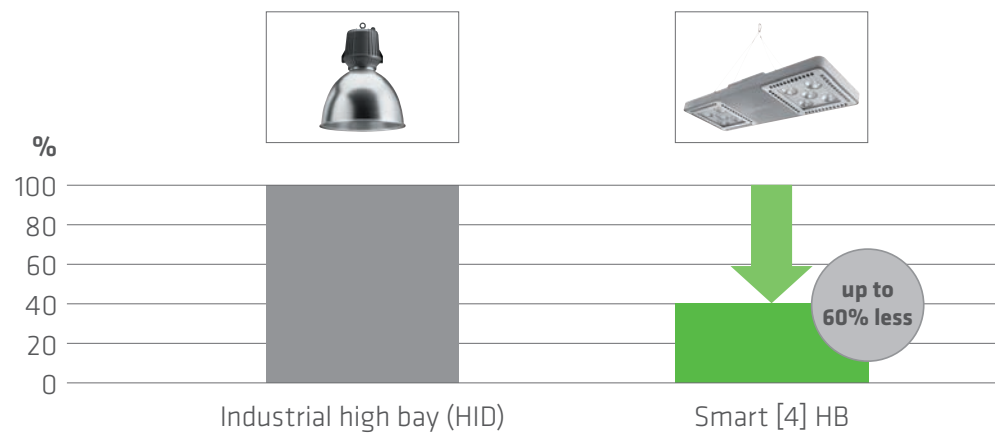
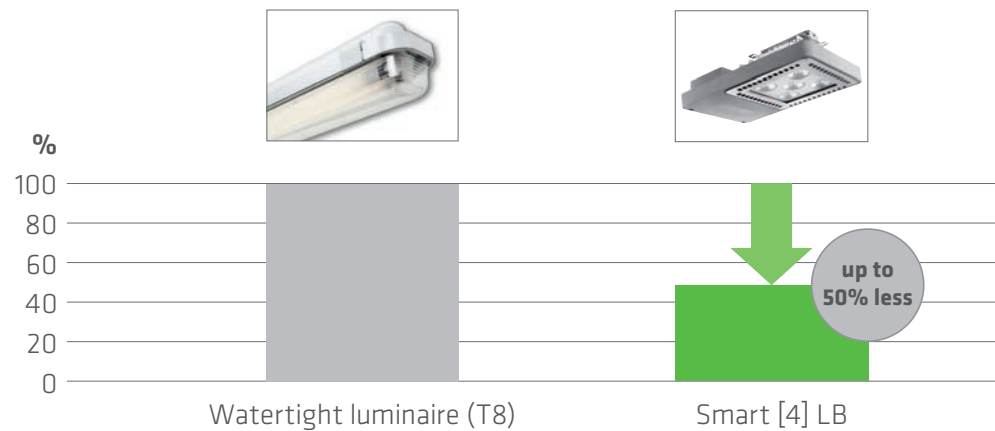
- LOWER COSTS
+ MORE LIGHT

SAVINGS OF 65%
PAYBACK IN 15 MONTHS

Energy consumption

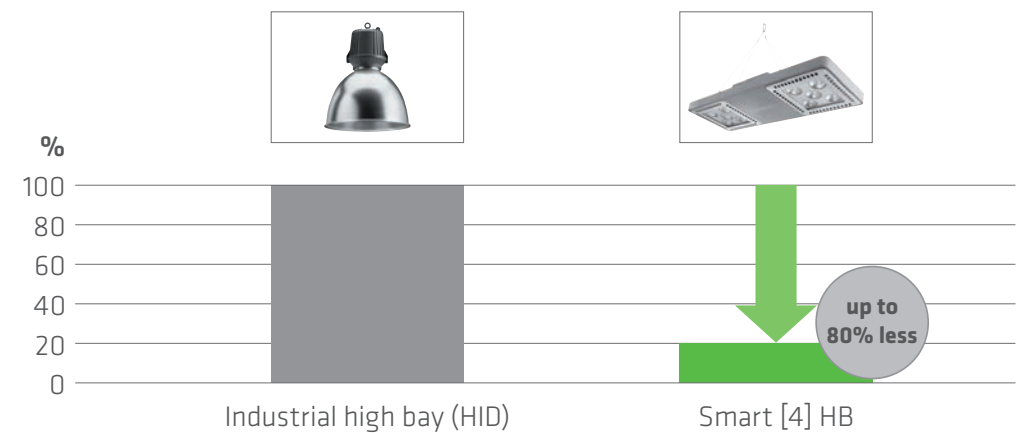
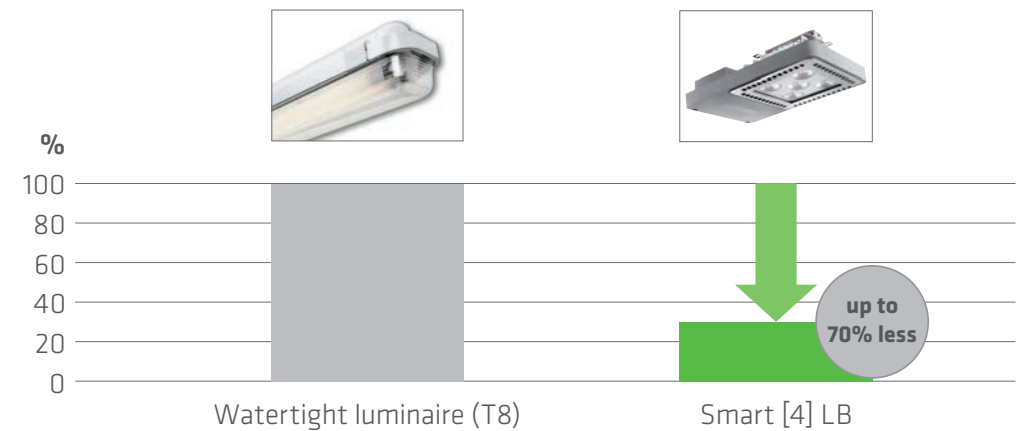
New system

Comparison between traditional and LED technologies



Obsolete or poorly maintained system

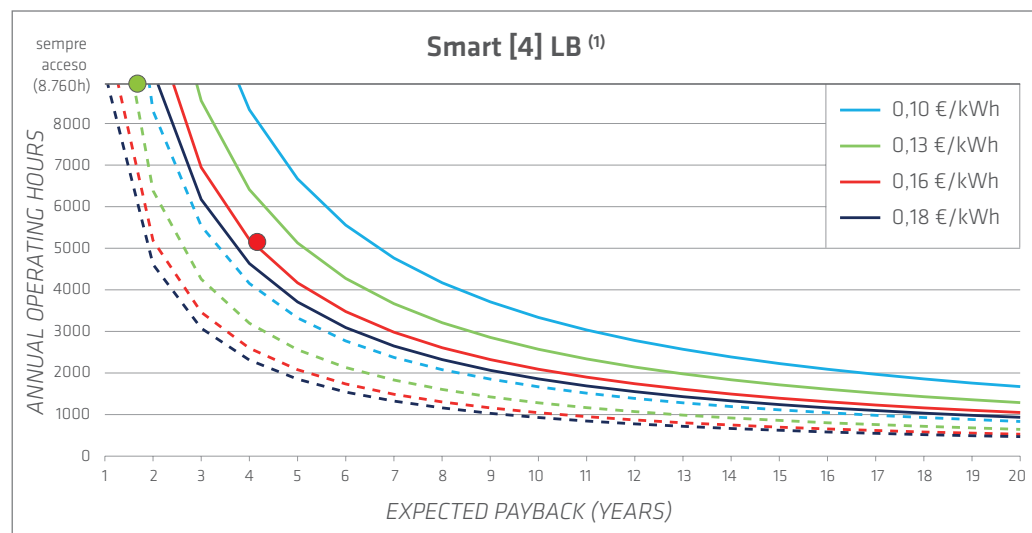
Comparison between traditional and LED technologies



Payback

Improving lighting without changing the existing electrical system

Payback expected for the hours worked, energy cost and condition of the system
based on the hours of use and the energy cost



● Example: assembly line



- Three shifts over 220 working days: approx. 5,300 hours per year
- Correctly maintained system and average energy cost: € 0.16/kWh
- **Expected payback: just over 4 years**

● Example: underground parking area

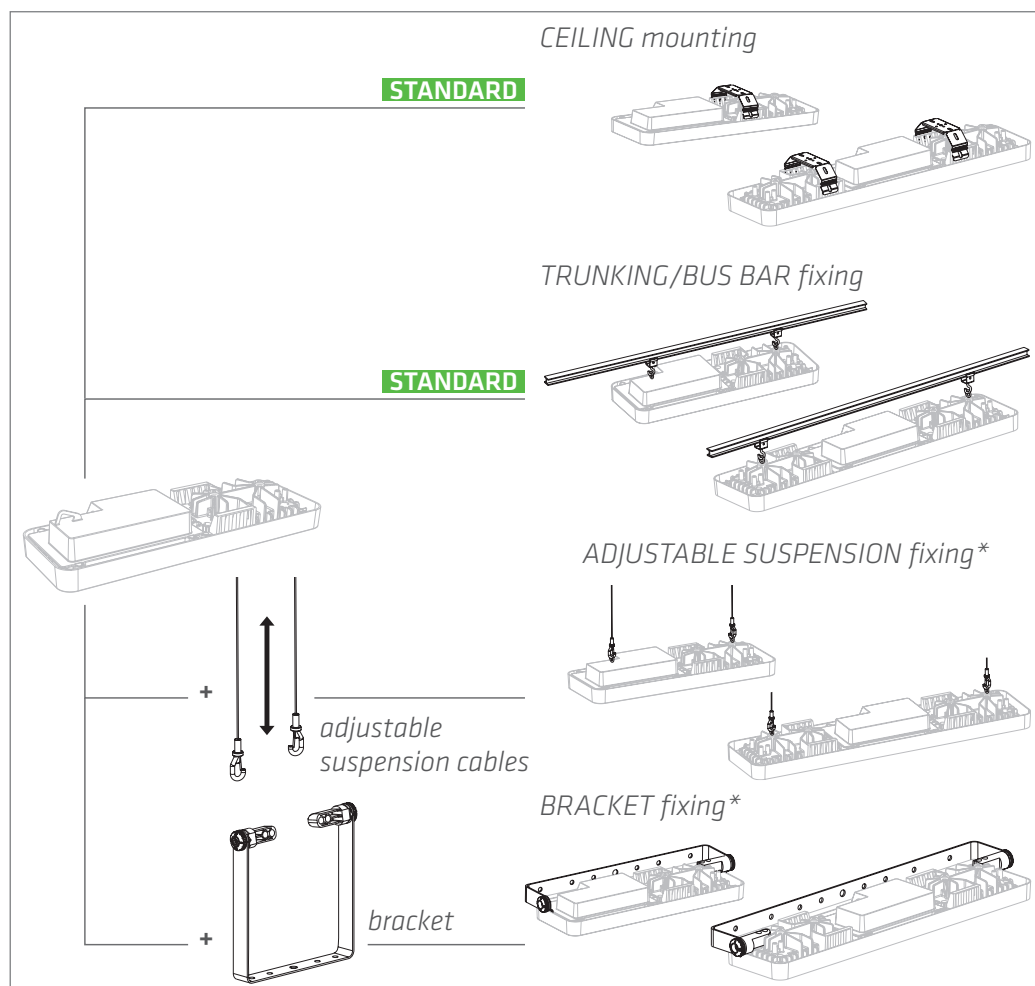


- Always switched on: 8,760 hours per year
- System poorly maintained or obsolete, and energy cost below the average: € 0.13/kWh
- **Expected payback: < 2 years**

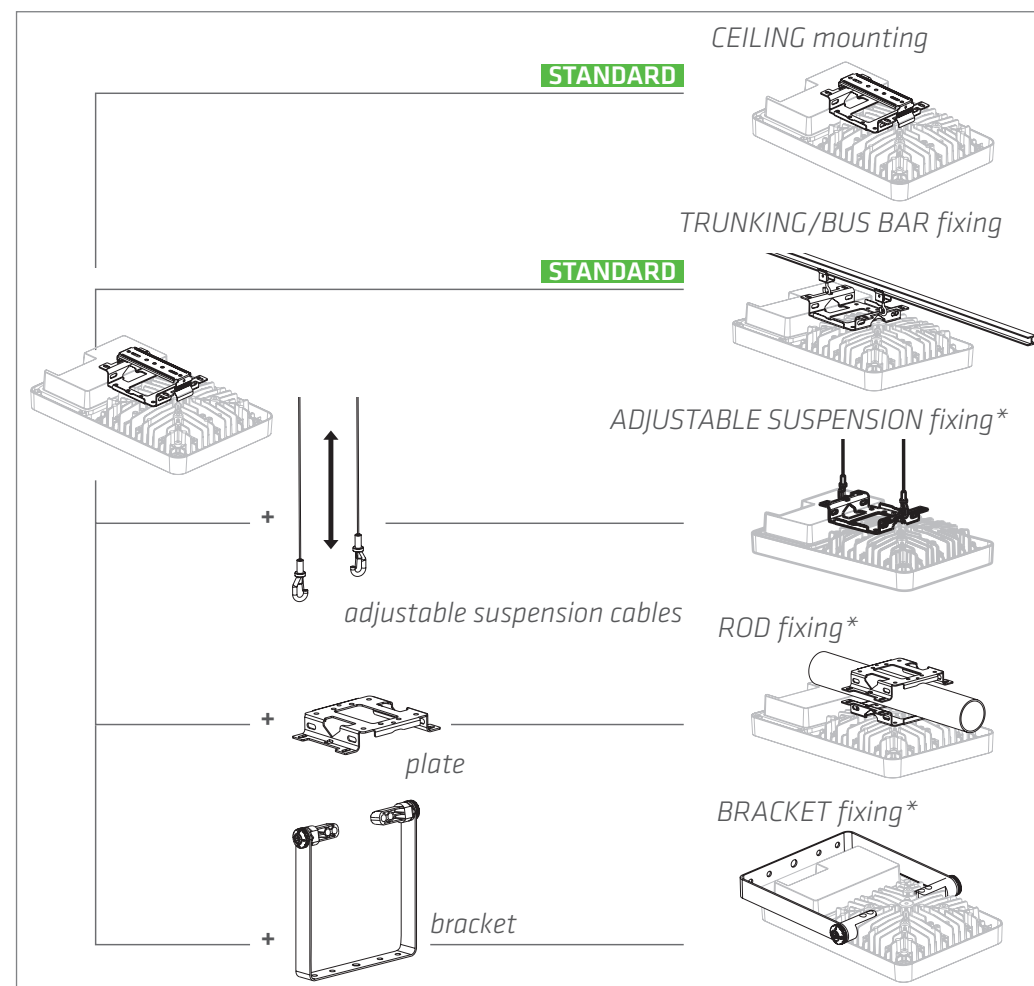
Configuration

The Smart[4] system includes a complete range of fixing systems for every type of application

Smart [4] LB 2L and Smart [4] LB 2+2L

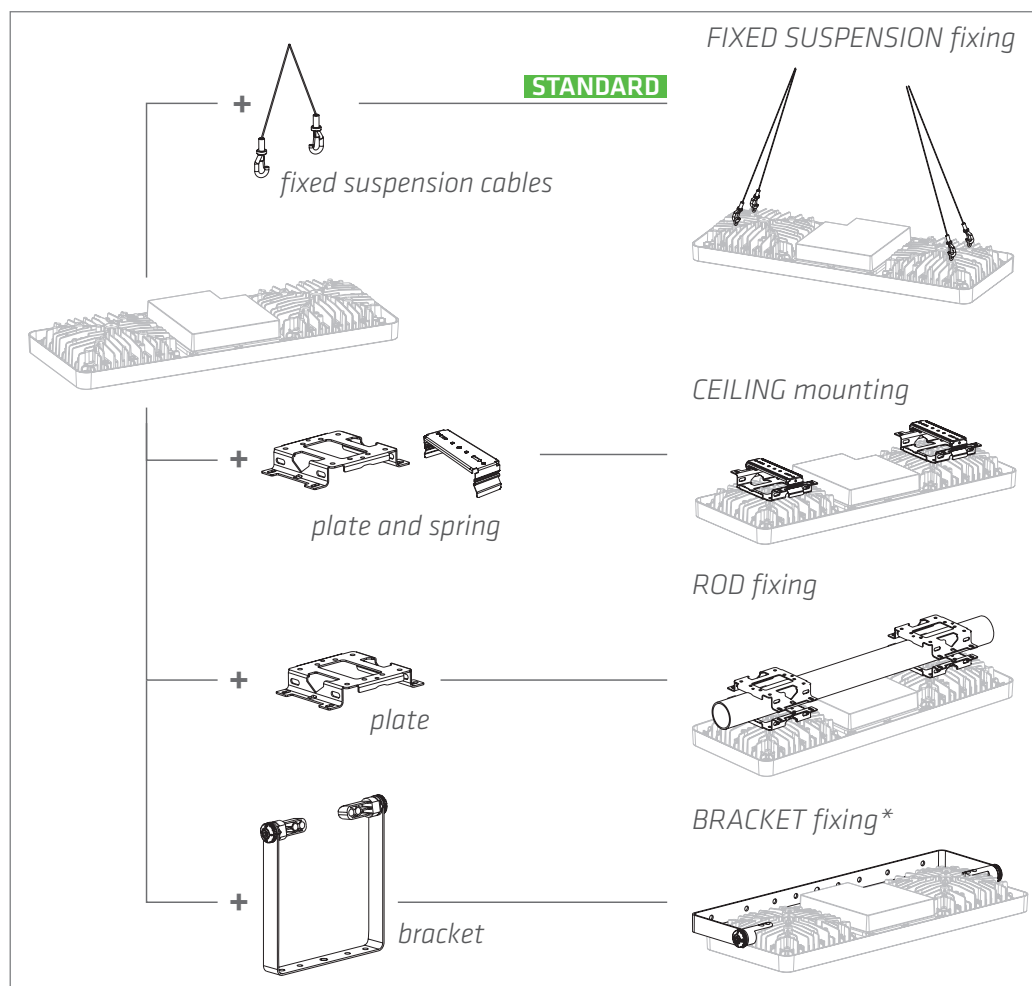


Smart [4] LB 4L|5L

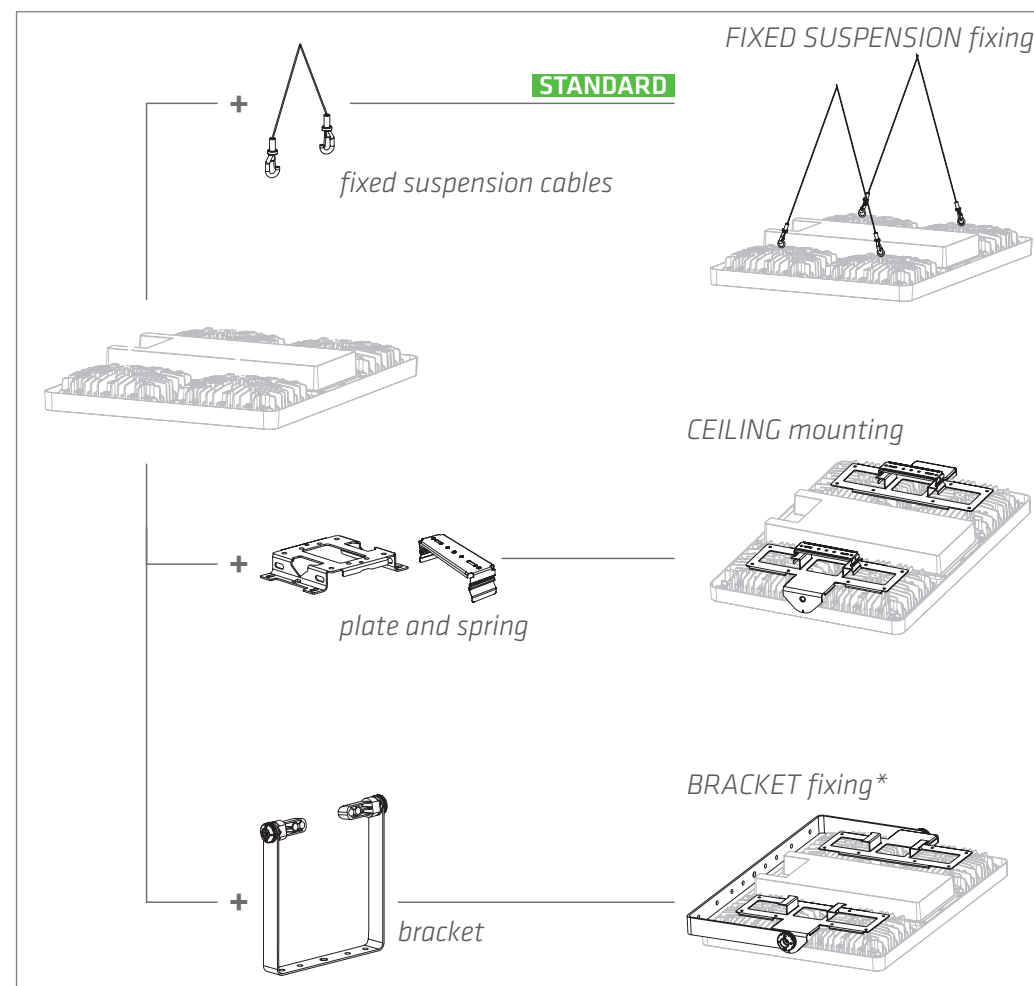


*Fixing suitable for use in sports contexts, in accordance with DIN 18032-3

Smart [4] HB 4+4L|5+5L



Smart [4] HB 4x4L|4x5L



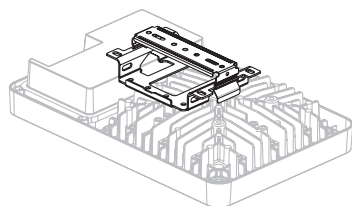
*Fixing suitable for use in sports contexts, in accordance with DIN 18032-3

Installation

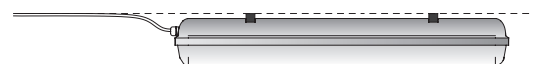
The point-point replacement is the easiest, most economic and reliable solution, minimising the cost of the first installation and making it comparable with a simple relamping

Easy installation/replacement

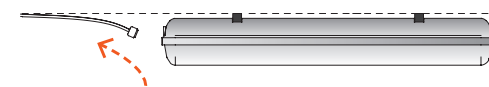
CEILING mounting



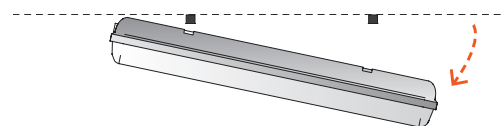
Standard kit for Smart [4] LB for ceiling mounting



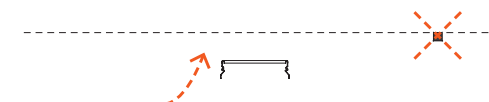
1. Device to be replaced



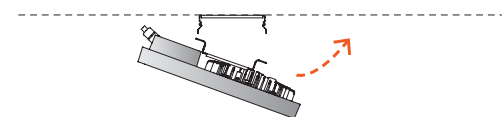
2. Electrical disconnection of device to be replaced



3. Mechanical disassembly of the device to be replaced



4. Installation of the new Gewiss spring



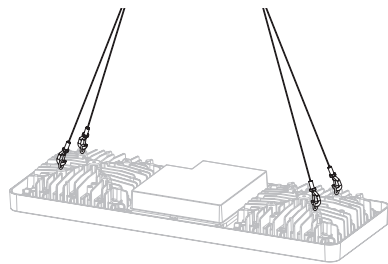
5. Mechanical connection of Smart [4] LB



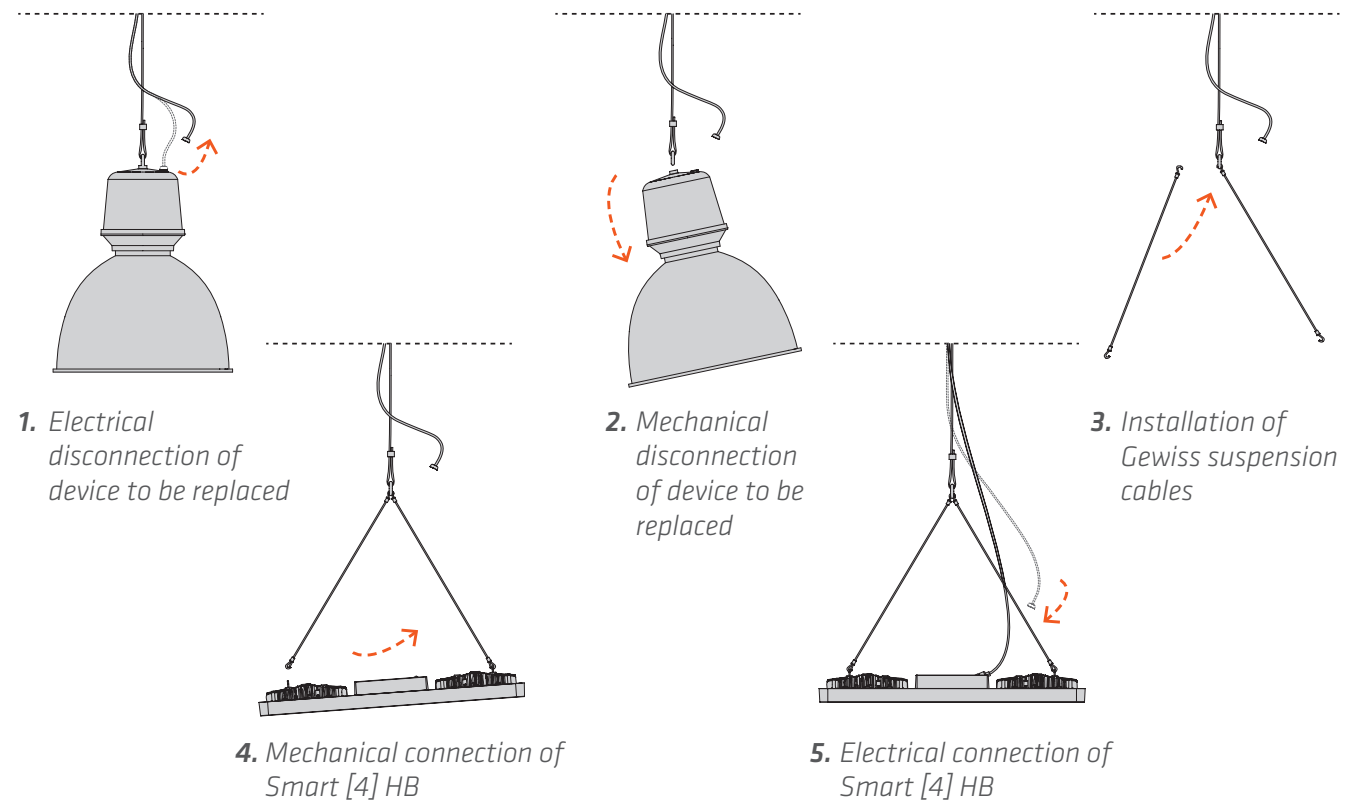
6. Electrical connection of Smart [4] LB

N.B. only one of the existing coupling points will be used

SUSPENSION fixing



Standard kit for Smart [4] HB for suspension fixing



N.B. the accessory is used to position the focuses exactly at the same height as those of the replaced product.

Wireless systems



In the Wireless version, **Smart [4]** can easily be managed by the latest type of mobile device, using Bluetooth 4.0 (BLE) (Group 1, 2). Thanks to a specific application, ON/OFF and dimmer commands can be applied to each lighting device. In addition, an endless number of groups and/or scenes can be created, with up to 127 devices (nodes) configured for each group.

The network is of the **Mesh** type, to ensure the best signal reception; in fact, each node also acts as a repeater to guarantee quick, efficient system management. Movement sensors and RF ON commands can be integrated (Group 1, 2) in order to control the lighting devices of the associated groups (via a Bluetooth communication device).

Lighting Management app



For even easier and more user-friendly management, GEWISS has designed and produced an app in collaboration with Casambi. It can be downloaded free of charge from Apple Store and Google Play, and used to manage the lighting devices of a number of systems - it just takes a simple touch of the finger to control the lights quickly and easily.

One single screen for controlling all the lamps

With the **Smart [4]** app, you can control all the lights from one single screen, both individually and as a group. For example, you can create one group for the general lights of a warehouse and another for the lamps in the aisles between the shelves, and switch them all on and off simultaneously just with a single touch. Or you can adjust the light intensity to the required level to guarantee the best energy savings.

“Nearby lamps” function

Thanks to the “nearby lamps” function, lamps in the surrounding area can be detected and switched on or off.

Light control from a photo

For an even easier and more realistic view of the situation, just take a photo of the room, building or outdoor area where the lights are installed, then position the lamp controls on the image. In this way, you can control the lights directly via the picture.

Network sharing and authorizations

The app allows you to set four different levels of sharing and control of the access points, deciding whether the network should be open to everyone or whether the user has to log on (specifying a user name and password).

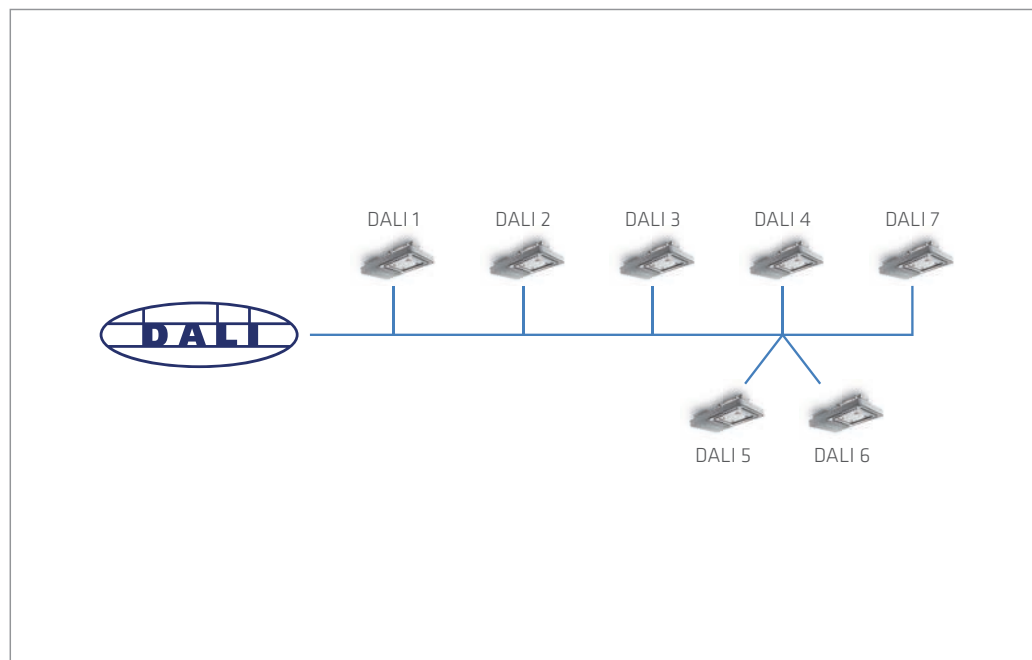
- Category: Lighting management
- Version: 1.0
- Size: 9 MB
- Compatibility: iOS 7.0 or Android 4.4 or subsequent versions
- Languages: Italian/English/French/German



System management

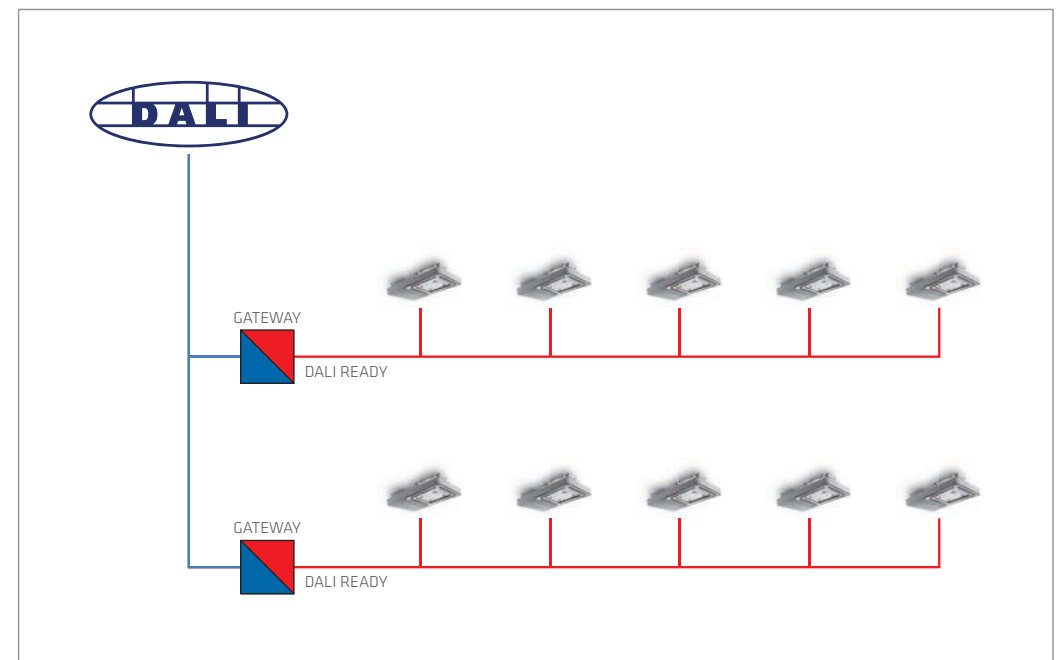
Smart [4] offers different methods for managing the systems and measuring consumption

DALI management



The **DALI** protocol for controlling lighting devices allows you to create a versatile, user-friendly system with just a few components. The devices compatible with this Standard can be integrated in a system. One **DALI** line can manage up to 64 devices, in turn assigned to a maximum of 16 groups. **Smart [4]**, thanks to the **DALI** protocol, can be controlled from a distance via push-buttons, interfaces and integration in existing Building Automation systems. This guarantees automatic regulation based on the light intensity levels detected by sensors (even of third parties).

DALI READY management



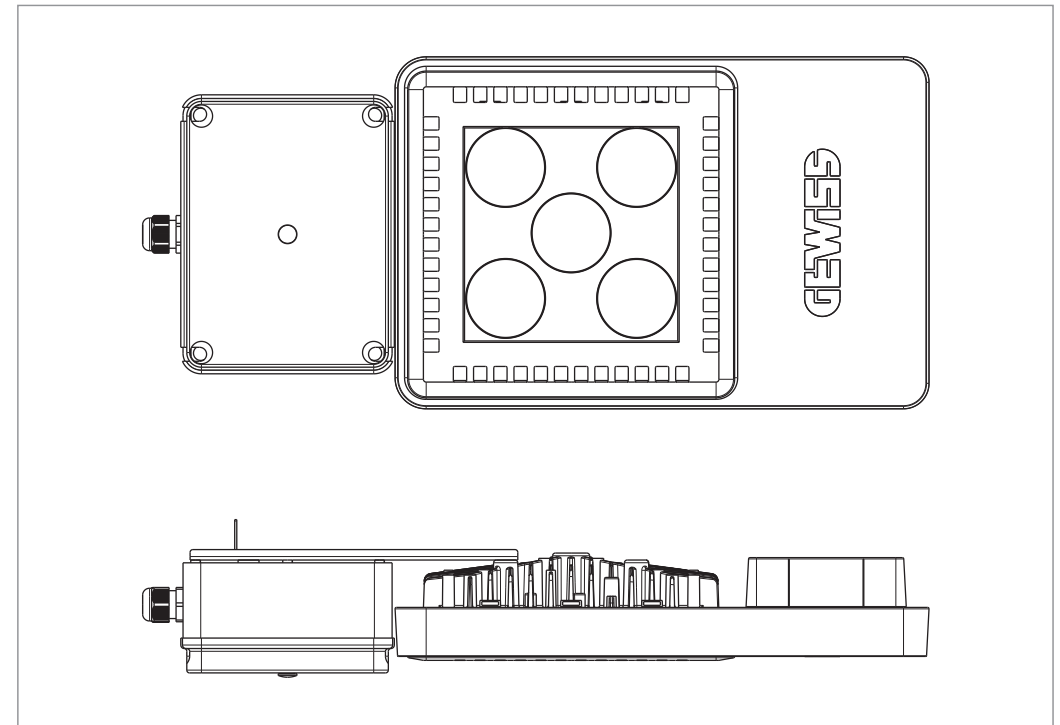
With the **DALI READY** architecture, you can control various lines of devices from a distance. The use of Gateway allows an interface with the **DALI** protocol, which in turn ensures the uniform control of all the devices connected on the same line (but not the precise regulation of a single device).

Emergency systems

Smart [4] is available in versions equipped with electronic emergency devices



The emergency versions of **Smart [4]** combine the standard product with an advanced electronic device fitted with high-performance batteries. The batteries power the LED card at 10% of the nominal power, thereby guaranteeing a 3-hour autonomy.



Technical characteristics

- Autonomy: 3h
- Recharging time: 24h
- Accumulator type: NiCd
- Degree of protection: IP65
- Operating temperature: $5^{\circ}\text{C} < T_a < 25^{\circ}\text{C}$



**Certified
according to
DIN 18032-3
for installation in
indoor sports
facilities**

Floodlighting



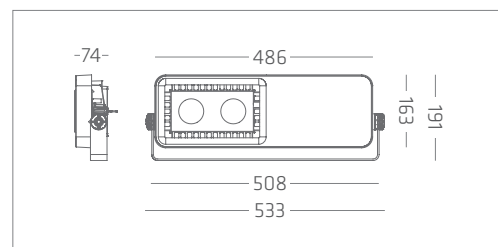
Smart [4] FL

LED floodlights

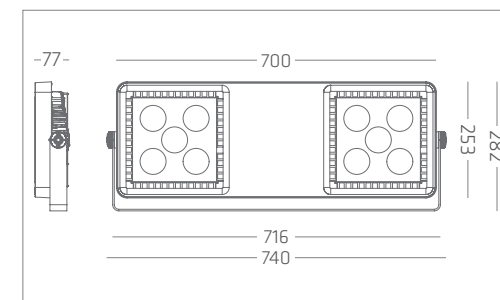
- Frame in technopolymer
- Dissipator, glass holder and bracket coupling in die-cast aluminium with very low copper content
- Tempered glass, 4mm thick
- Fixing bracket in galvanised steel
- IP66
- IK08
- Glow wire 850°



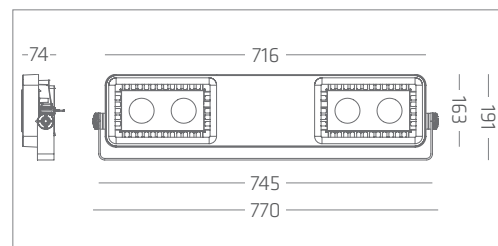
Smart [4] FL - 2L - IP66 - IK08 - GLOW WIRE TEST 850°C



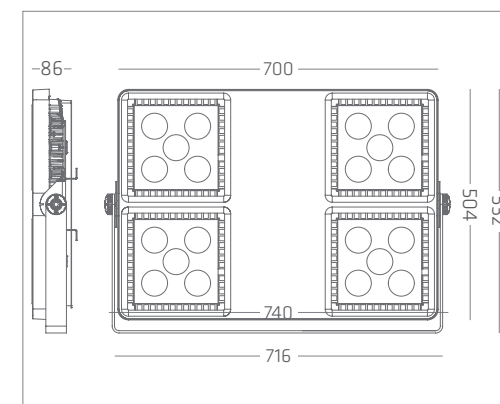
Smart [4] FL - 5+5L - IP66 - IK08 - GLOW WIRE TEST 850°C



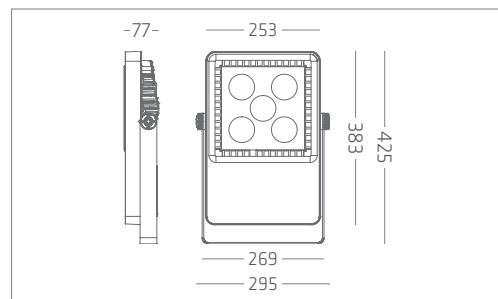
Smart [4] FL - 2+2L - IP66 - IK08 - GLOW WIRE TEST 850°C



Smart [4] FL - 4x5L - IP66 - IK08 - Glow Wire 850°



Smart [4] FL - 5 LEDs - IP66 - GLOW WIRE TEST 850°C



Colours



Grey RAL 7037

Smart [4] FL COMFORT		Smart [4] - FL 2L	Smart [4] - FL 2+2L	Smart [4] - FL 5L	Smart [4] - FL 5+5L	Smart [4] - FL 4x5L
Lumen output ¹		2,710 lm	5,420 lm	6,170 lm	12,340 lm	24,680 lm
System power		31W	62W	69W	138W	276W
Equivalent power		35W MT	70W MT	100W MT	250W MT	400W MT
System efficiency		87 lm/W	87 lm/W	89 lm/W	89 lm/W	89 lm/W
Lifetime (L80)		80,000h	80,000h	80,000h	80,000h	80,000h
Colour temperature		4,000K	4,000K	4,000K	4,000K	4,000K
CRI		≥ 80	≥ 80	≥ 80	≥ 80	≥ 80
Weight (kg)		3 kg	5.1 kg	4.9 kg	8.5 kg	15.9 kg
Installation	Bracket	■	■	■	■	■
Stand Alone	100°	GW L1 610	GW L1 640	GW L1 670	GW L1 710	GW L1 740
	10°	GW L1 611	GW L1 641	GW L1 671	GW L1 711	GW L1 741
	30°	GW L1 612	GW L1 642	GW L1 672	GW L1 712	GW L1 742
	60°	GW L1 613	GW L1 643	GW L1 673	GW L1 713	GW L1 743
	Elliptical	GW L1 614	GW L1 644	GW L1 674	GW L1 714	GW L1 744
	Asymmetrical	GW L1 615	GW L1 645	GW L1 675	GW L1 715	GW L1 745
RGBW	48° circular	□	□	GW L1 793	GW L1 794	On request
Complementary items						
Spare parts	Spare glass	GW L1 906	GW L1 906	GW L1 907	GW L1 907	GW L1 907

■ Standard □ Accessory □ Not envisaged

¹In reference to the version with 10° spotlight optic - Stand Alone

Smart [4] FL PERFORMANCE		Smart [4] - FL 2L	Smart [4] - FL 2+2L	Smart [4] - FL 5L	Smart [4] - FL 5+5L	Smart [4] - FL 4x5L
Lumen output ¹		2,780 lm	5,560 lm	6,470 lm	12,940 lm	25,880 lm
System power		31W	62W	69W	138W	276W
Equivalent power		35W MT	70W MT	100W MT	250W MT	400W MT
System efficiency		90 lm/W	90 lm/W	94 lm/W	94 lm/W	94 lm/W
Lifetime (L80)		80,000h	80,000h	80,000h	80,000h	80,000h
Colour temperature		4,000K	4,000K	4,000K	4,000K	4,000K
CRI		≥ 80	≥ 80	≥ 80	≥ 80	≥ 80
Weight (kg)		3 kg	5.1 kg	4.9 kg	8.5 kg	15.9 kg
Installation	Bracket	■	■	■	■	■
Stand Alone	60°	GW L3 013	GW L3 043	GW L3 073	GW L3 113	GW L3 143
	Elliptical	GW L3 014	GW L3 044	GW L3 074	GW L3 114	GW L3 144
	Asymmetrical	GW L3 015	GW L3 045	GW L3 075	GW L3 115	GW L3 145
Complementary items						
Spare parts	Spare glass	GW L1 906	GW L1 906	GW L1 907	GW L1 907	GW L1 907

■ Standard □ Accessory □ Not envisaged

¹In reference to the version with 10° spotlight optic - Stand Alone

Smart [4] FL EFFICIENCY		Smart [4] - FL 2L	Smart [4] - FL 2+2L	Smart [4] - FL 5L	Smart [4] - FL 5+5L	Smart [4] - FL 4x5L
Lumen output ¹		3,000 lm	6,000 lm	6,990 lm	13,980 lm	27,950 lm
System power		31W	62W	69W	138W	276W
Equivalent power		35W MT	70W MT	100W MT	250W MT	400W MT
System efficiency		97 lm/W	97 lm/W	101 lm/W	101 lm/W	101 lm/W
Lifetime (L80)		80,000h	80,000h	80,000h	80,000h	80,000h
Colour temperature		4,000K	4,000K	4,000K	4,000K	4,000K
CRI		≥ 70	≥ 70	≥ 70	≥ 70	≥ 70
Weight (kg)		3 kg	5.1 kg	4.9 kg	8.5 kg	15.9 kg
Installation	Bracket	■	■	■	■	■
Stand Alone	100°	GW L3 210	GW L3 240	GW L3 270	GW L3 310	GW L3 240
	60°	GW L3 213	GW L3 243	GW L3 273	GW L3 313	GW L3 243
	Elliptical	GW L3 214	GW L3 244	GW L3 274	GW L3 314	GW L3 244
	Asymmetrical	GW L3 215	GW L3 245	GW L3 275	GW L3 315	GW L3 245
Complementary items						
Spare parts	Spare glass	GW L1 906	GW L1 906	GW L1 907	GW L1 907	GW L1 907

■ Standard □ Accessory □ Not envisaged

¹In reference to the version with 10° spotlight optic - Stand Alone

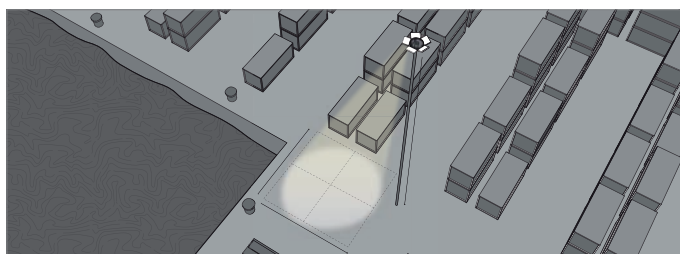
Smart [4] FL = Form + Function

Smart [4] offers a complete photometric distribution range, with special reference to narrow beam optics that ensure an efficient, rational system; light flux waste can be avoided by directing the beam entirely onto the surface you want to illuminate.

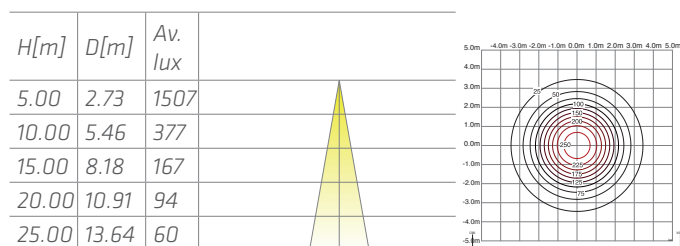
Smart [4] FL 4x5L – 30° COMFORT optic



Example: industrial area



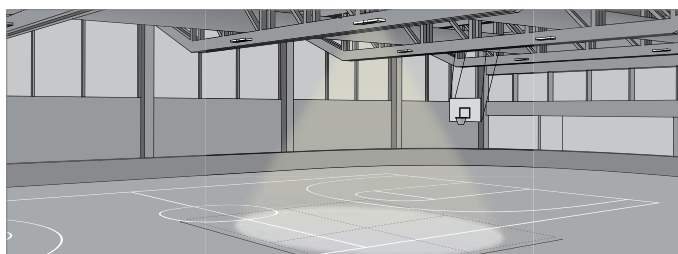
GW L1 742 - 276W – 4000K – Ra80 – 19354lm equivalent
400W MH



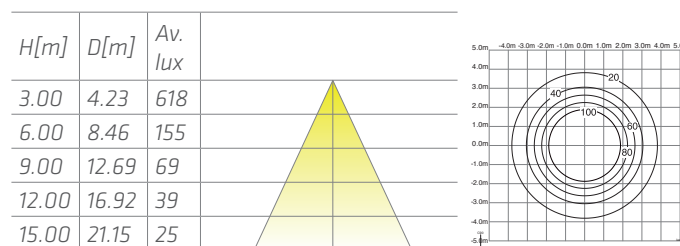
Smart [4] FL 5+5L – 60° PERFORMANCE optic



Example: sports facilities



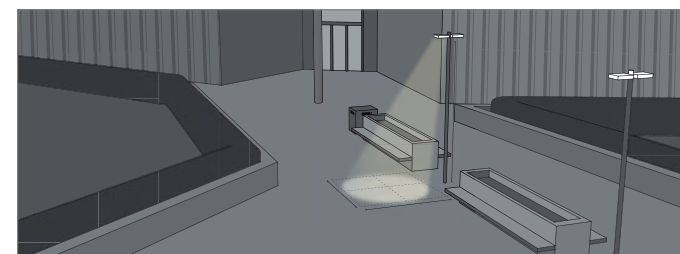
GW L3 113 - 138W – 4000K – Ra80 – 12941lm equivalent
250W MH



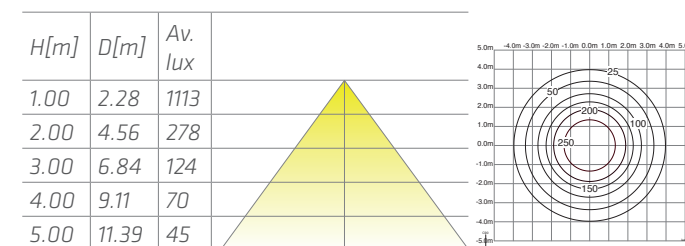
Smart [4] FL 5L – 100° EFFICIENCY optic



Example: outdoor areas



GW L3 270 - 69W – 4000K – Ra70 – 6663lm equivalent
100W MH



RGBW systems

Smart [4] is available in RGBW colour versions



To enhance open spaces, geometries and volumes of buildings with a high architectural value, **Smart [4]** offers solutions for decorative and scenographic lighting. With the new RGBW versions (Red, Green, Blue and White), you can create different

lighting scenes (controlled via a DMX control unit) by selecting the single colour or pre-configured colour scenes.



GEWISS

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