

LAMA+ series

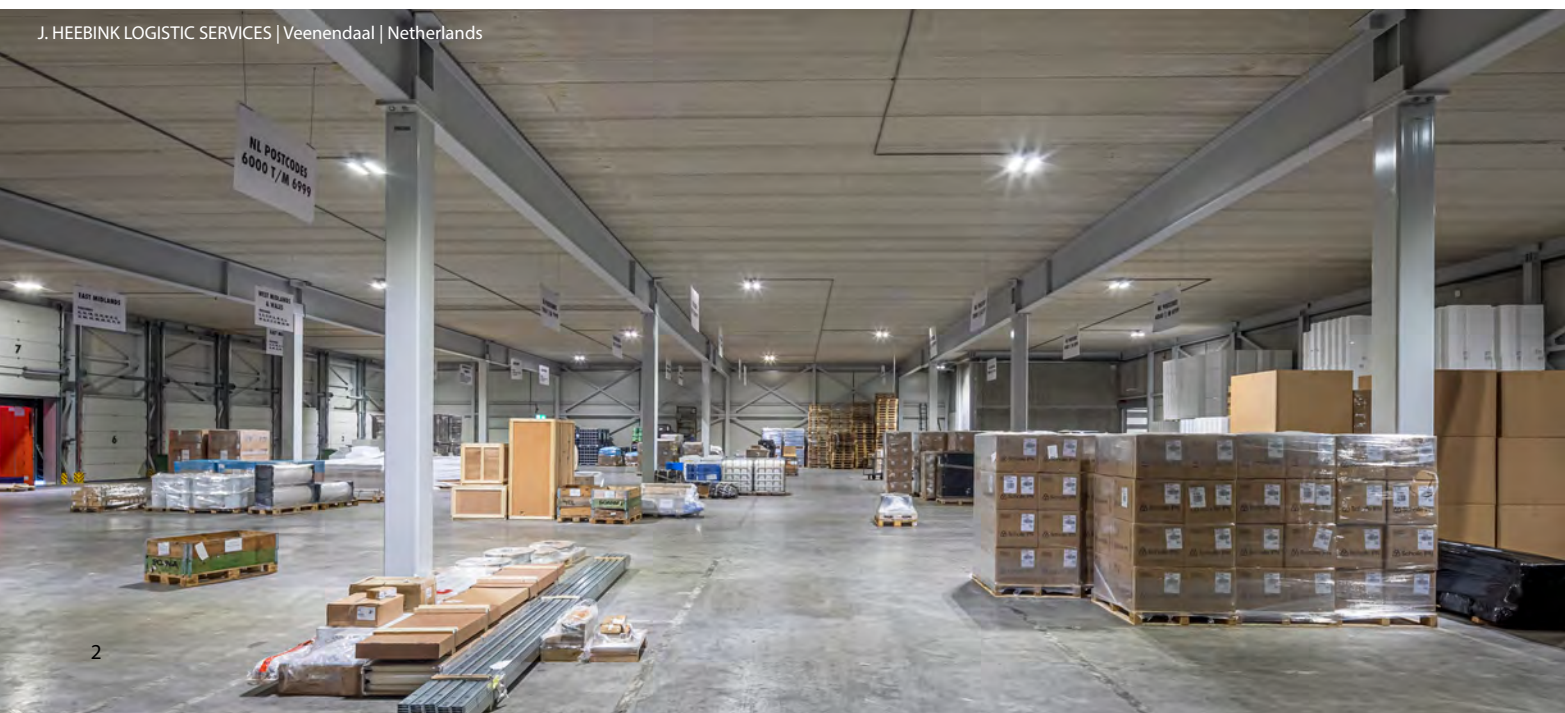
iN



PERFORMANCE **iN** LIGHTING

THE QUALITY LIGHT YOUR JOB SITE DESERVES

The LAMA+ series has been designed to illuminate logistics, mounting and assembly areas both for high and low ceilings. The LAMA+ MINI provides, in addition to a consistent family feeling, an excellent heat dissipation even in harsh environments. Customised optics distribution makes LAMA+ series suitable for everyday LED retrofit of warehouses, assembly, and logistics areas. The ball-proof certificate DIN 18032-3 and new SOFT optics that make the series ideal for all the extremely demanding applications where the surface reflectance is close to one hundred per cent (sport ice arenas, showrooms, car dealers), complete the offer. Technical series with important mechanical constructive features and a system called "SMART", patent of PERFORMANCE IN LIGHTING, can provide an active permanent safety light to protect property.



AL BASMAH EMARAT PETROL STATION | Dubai | UAE



ICE ARENA HALDEN ISHALL | Halden | Norway





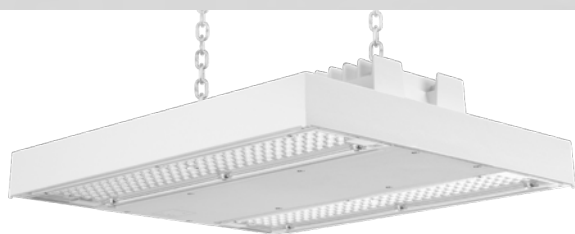
LAMA+

EN62471 - PHOTO-BIOLOGICAL RISK

With the coming onto the market of high power LED technology, usable both as common and signaling lighting, a confused marketing of poorly performing and unsafe products from a photo-biological viewpoint has taken place. PERFORMANCE IN LIGHTING therefore as a Group chose to use high power LED from leading brands only.

On an international level a now standard has been fixed: **EN62471 (IEC62471)**. This standard deals in a transversal way with the photo-biological risks of lighting sources and especially of LED devices and products using specific types of discharge lamps and LED light sources. A classification of **GROUPS OF PHOTO-BIOLOGICAL RISKS** under which luminaires may fall has been drawn.

The Groups of risks are defined as follows:

**GROUP OF RISK NIL:**

The luminaires do not pose any photo-biological risks.

GROUP OF RISK 1:

The luminaires do not cause photo-biological damage for the risk is cancelled by the common behavioral reaction of a person to the exposure to a light source.

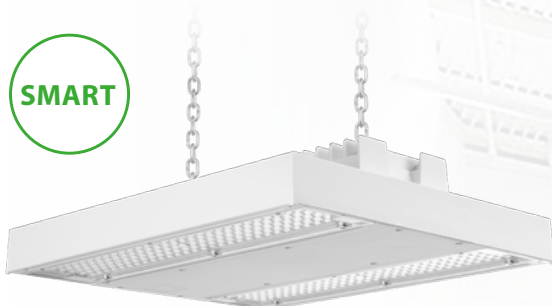
GROUP OF RISK 2:

The luminaires cannot cause photo-biological damage for the risk is cancelled by instinctive reaction of looking away from a very bright and strong light or from a thermal suffering.

GROUP OF RISK 3:

The luminaires may cause photo-biological damage; risk is high even for a short or instant exposure. It is strongly advised to not use the luminaires for general lighting.

INDUSTRIAL LIGHTING SOLUTIONS



LAMA+

Wattage:
64 W / 99 W / 150 W / 206 W

Kelvin:
4000 K

Electrical:
DALI
Emergency

Connection:
QUICK (water-proof) - IP 66

Control systems:
SMART
Infrared motion sensor - IR



LAMA+ MINI

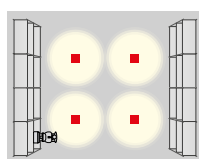
Wattage:
35 W / 50 W / 72 W / 101 W

Kelvin:
4000 K

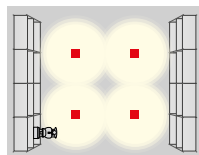
Electrical:
DALI
Emergency

Connection:
QUICK (water-proof) - IP 66

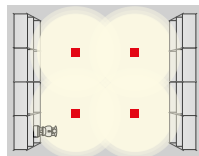
Control systems:
/



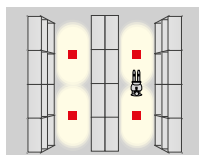
S/W
SYMMETRICAL
WIDE OPTICS



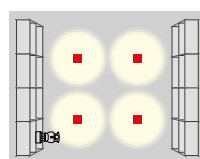
S/EW
SYMMETRICAL
EXTRA WIDE OPTICS



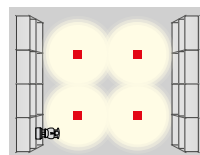
S/EW SOFT
SYMMETRICAL
EXTRA WIDE OPTICS
SOFT



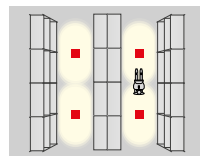
ELL
ELLIPTIC OPTICS



S/W
SYMMETRICAL
WIDE OPTICS



S/EW
SYMMETRICAL
EXTRA WIDE OPTICS



ELL
ELLIPTIC OPTICS



LM4

Wattage:
35 W / 50 W / 72 W / 101 W

Kelvin:
4000 K

Dimming:
DALI
Emergency

Electrical:
QUICK water-proof) - IP 66

Control systems:
/



YPSILON+

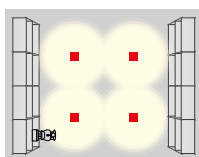
Wattage:
35 W / 70 W

Kelvin:
3000 / 4000 K

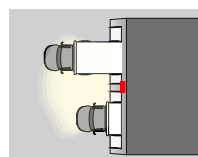
Dimming:
DALI

Electrical:
QUICK (water-proof) - IP 66

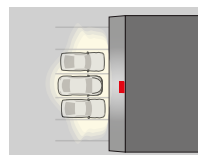
Control systems:
/



S/EW
SYMMETRICAL
EXTRA WIDE OPTICS



A/W
ASYMMETRICAL OPTICS



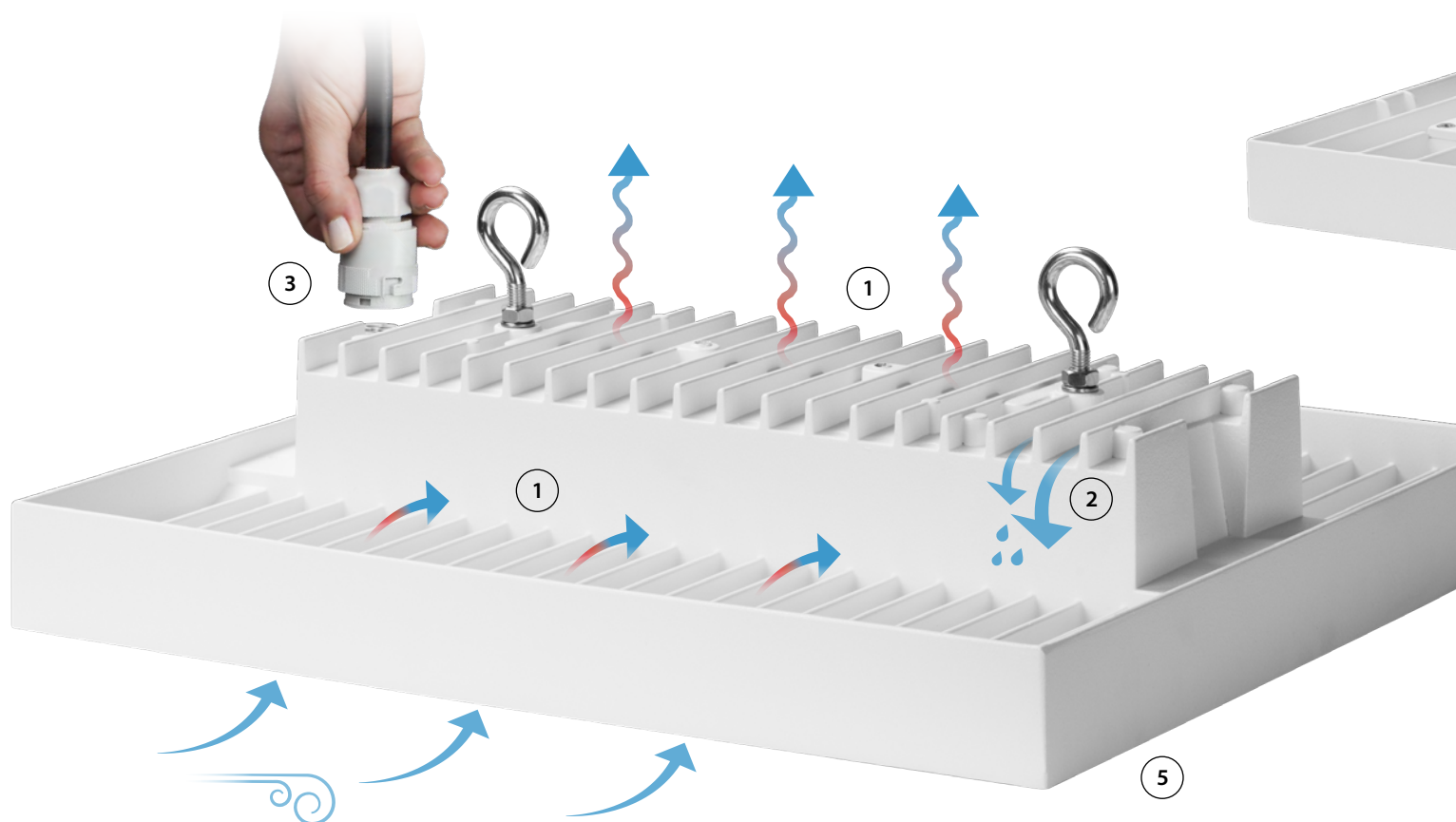
SR/100
STREET OPTICS

CONSTRUCTION FEATURES

The LAMA+ series is the result of the experience and thorough knowledge in compliance with applicable regulations.

This goal has been achieved thanks to:

- a new concept of thermally optimised heat-sink to obtain the utmost LED efficiency in terms of lumen output and duration;
- optics designed for industrial lighting, produced with special high transmittance plastic polymers to drastically reduce the losses due to reflections and refractions of the same through deviation devices, reflection or refraction.



① HEAT DISSIPATION

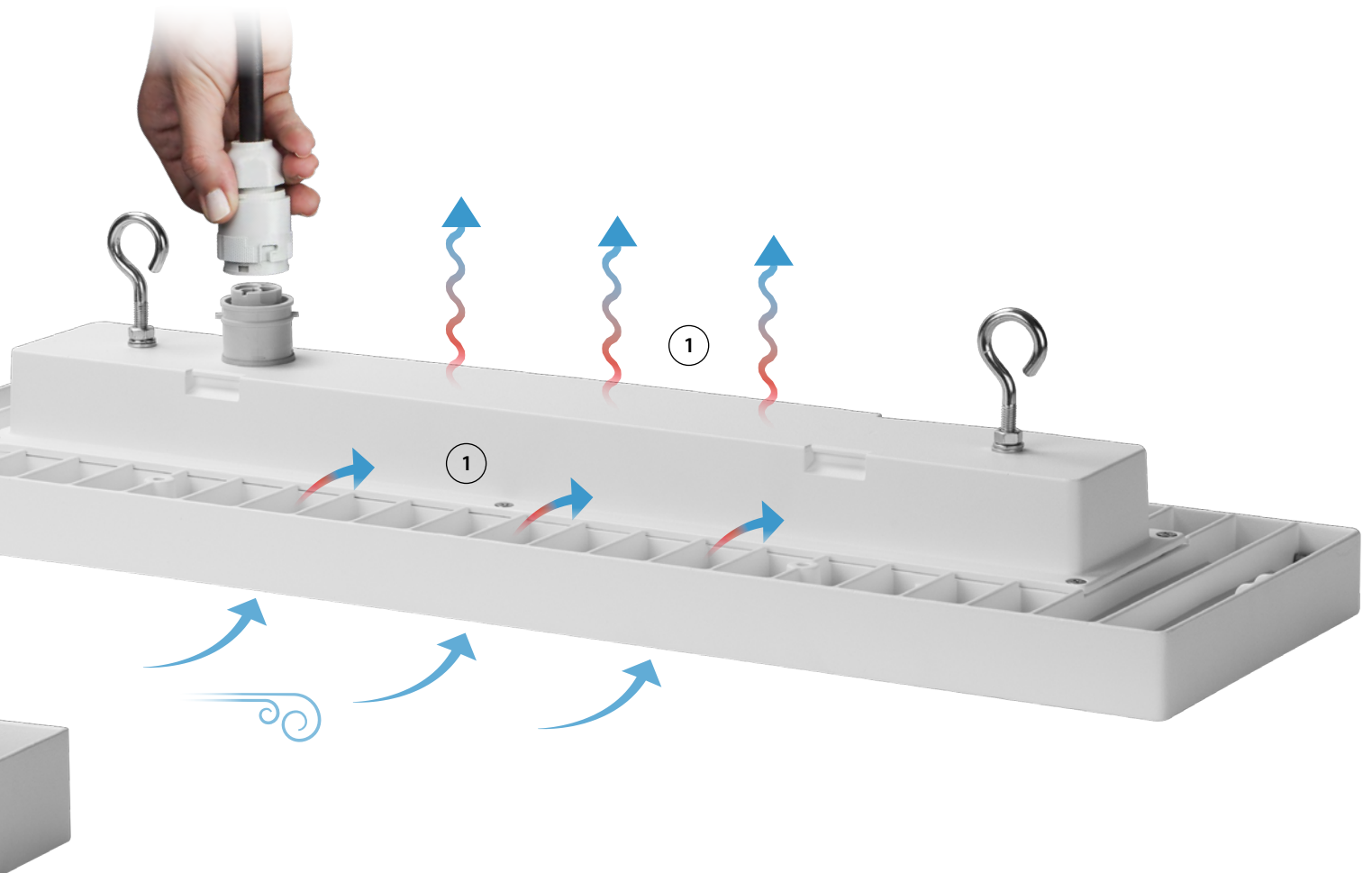
The large ribs on the back of the body enhance exchange of the considerable heat generated by LED lights with the surrounding environment. The specially designed High Performance multi-lens system acts as a protective screen, and is directly in contact with the LED module.

This achieves:

- elimination of insulating air chambers between the LED module and the protective screen, which prevents air circulation and heat dissipation;
- direct contact between the lens and the external environment to allow air circulation and dispersion of heat generated by the LEDs, to promote maximum duration of performance in time.

② WATER RUN-OFF

Moreover, their particular layout, combined with the geometrical features of the body, encourages the outflow of rain water, thus avoiding dangerous stagnation and build-up of dirt that could affect heat dissipation in time.



3 ELECTRICAL CONNECTION

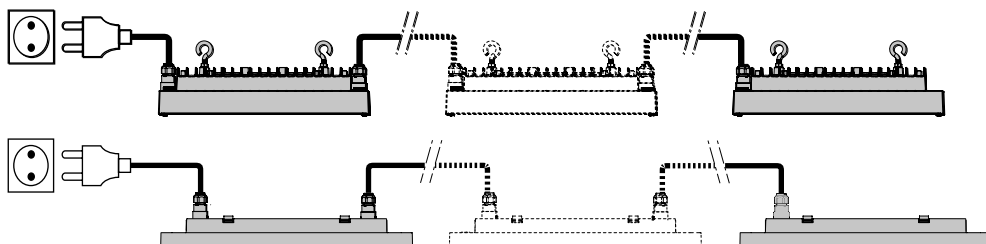
All LAMA+ and LAMA+ MINI models are fitted with a quick, water-proof, male-female connector that allows to connect the luminaire to the mains without opening the device.

Beyond granting a quick installation, this guarantees the safety of having a product sealed at the factory, and the certainty that the lighting system is intact; hence, it avoids accidental damage during the process of connecting the luminaire to the mains.

Moreover, the system allows to drastically cut down the time required to connect it, thus saving on installation costs.

4 CONNECTED IN A CONTINUOUS LINE

On request, the luminaire can be produced to be connected in a continuous line.



5 PROTECTION AGAINST IMPACT WITH A BALL

LAMA+ luminaires are also suitable to light up sports facilities.

Produced entirely with shatter-proof materials (there are no glass parts), prevent the possibility of damage to objects or people hypothetically generated by falling parts.

ENERGY SAVING

The high performance offered by LAMA+, LAMA+ MINI, LM4 allows to obtain considerable energy saving, compared to conventional solutions. The following are some comparative tables of the two solutions.

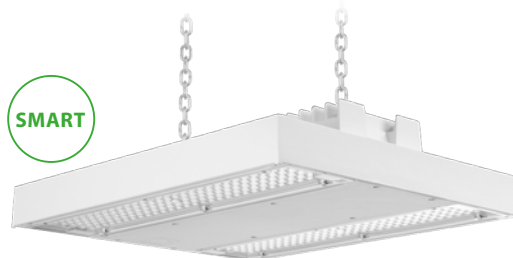
	HIGH BAY 250 W ME	LAMA+ MINI S/EW 70 W
Nominal lumen output [lm]	18.000	12.479
Real lumen output [lm]	12.600	11.332
Total consumption [W]	250 W <i>lamp wattage</i> + 38 W <i>gear loss</i>	72 W <i>(LED + drivers)</i>

75%
ENERGY
SAVING



	HIGH BAY 400 W ME	LAMA+ S/EW 150 W
Nominal lumen output [lm]	32.500	26.767
Real lumen output [lm]	22.750	25.165
Total consumption [W]	400 W <i>lamp wattage</i> + 60 W <i>gear loss</i>	150 W <i>(LED + drivers)</i>

67%
ENERGY
SAVING



	FLUO 2x58 W G13	LM4 S/EW 50 W
Nominal lumen output [lm]	12.300	9.195
Real lumen output [lm]	7.998	7.625
Total consumption [W]	2x80 W <i>lamp wattage</i> + 24 W <i>gear loss</i>	50 W <i>(LED + drivers)</i>

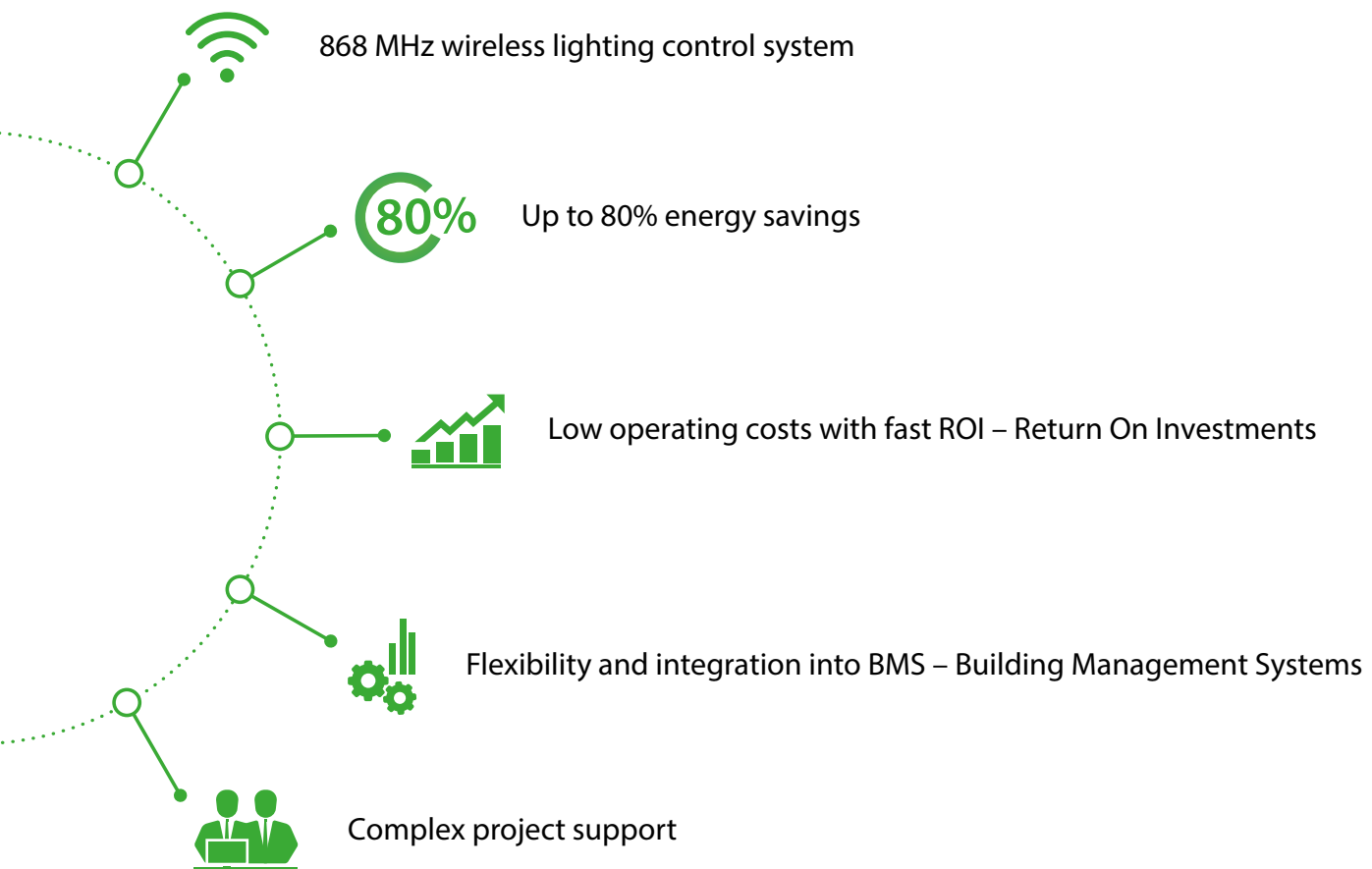
72%
ENERGY
SAVING



SMART - LIGHT CONTROL SYSTEM 868 MHz

SMART LIGHTING CONTROL SYSTEM FOR INDUSTRY, LOGISTICS AND DEPARTMENT STORES.

SMART has been designed to adapt itself to the needs of industry and large retailing. The system dynamically interacts with the surrounding environment optimizing illumination depending on the natural light and people present. All SMART components are wireless and communicate with each other on a dedicated frequency of 868 MHz ensuring considerable reliability and resistance to interference.



SMART - LIGHT CONTROL SYSTEM 868 MHz



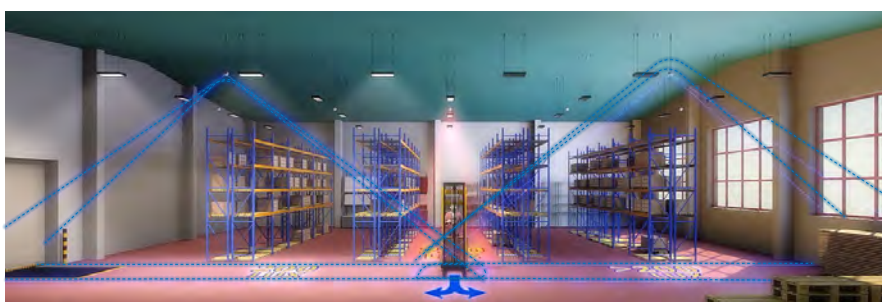
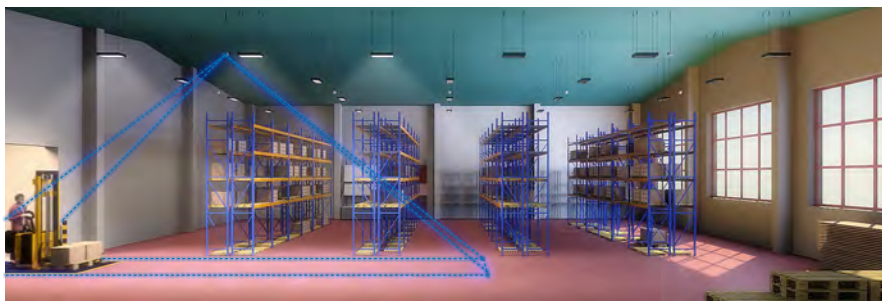
Watch the video

The interaction between the four fundamental components of the Smart system (see next page) allows the optimized management of space available, understood as both the management of customized illuminance levels for the different areas and lanes of the warehouse and the integration of natural light (the sun) and artificial light (the luminaires).

The system can be fully customized. By acting on the configuration of the software assistant you can:

- set the general average illuminance level of the warehouse
- create zones and sub-groups (e.g. to separate and manage individually lane by lane)
- remote dim manually, for whatever reason this might be necessary, the luminaires at the desired level (with the remote Transmitter control)

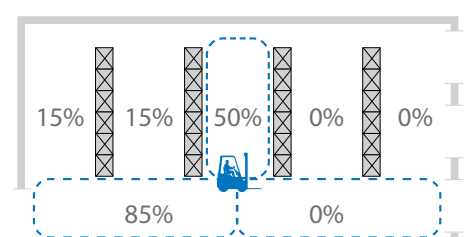
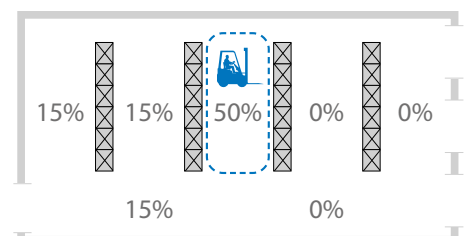
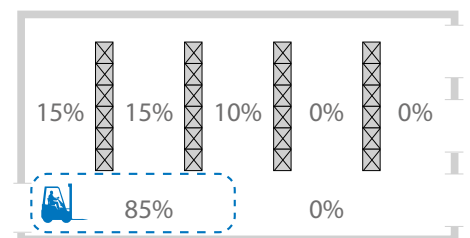
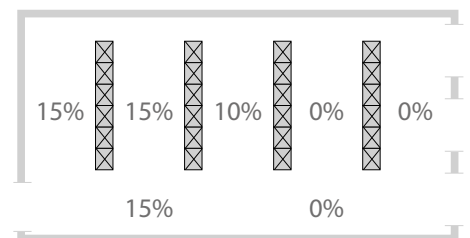
No need to fix a minimum or maximum of photocells to be installed; the customization is entirely left over to the customer who will be free to choose how meticulous the remote management will be. It can either be very detailed and specific area by area, lane by lane or very simple (using the photocells only in twilight mode thus strictly keeping at the natural - artificial light mode).

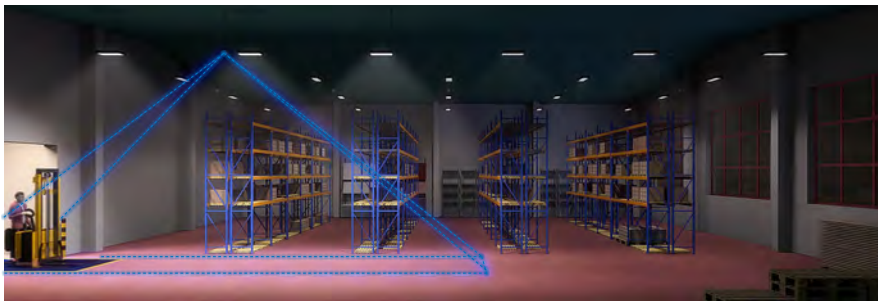
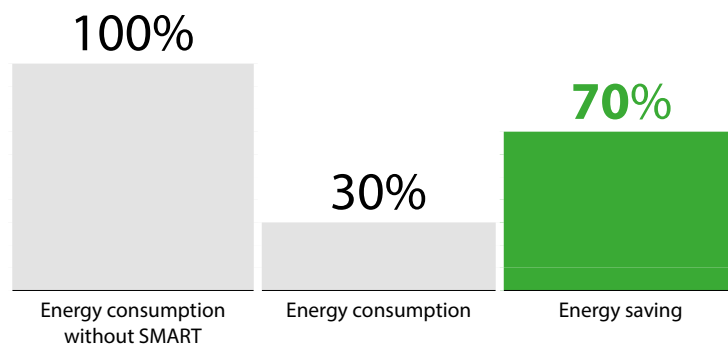


Operator on the move

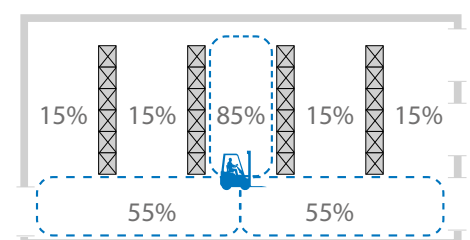
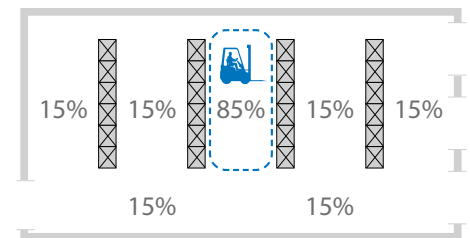
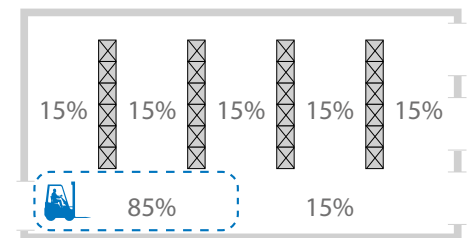
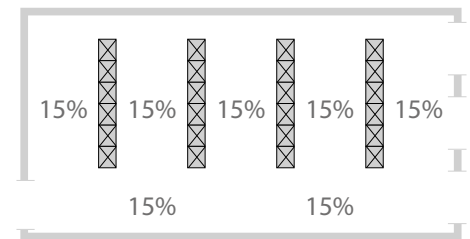
%

Energy consumption





Operator on the move
% Energy consumption

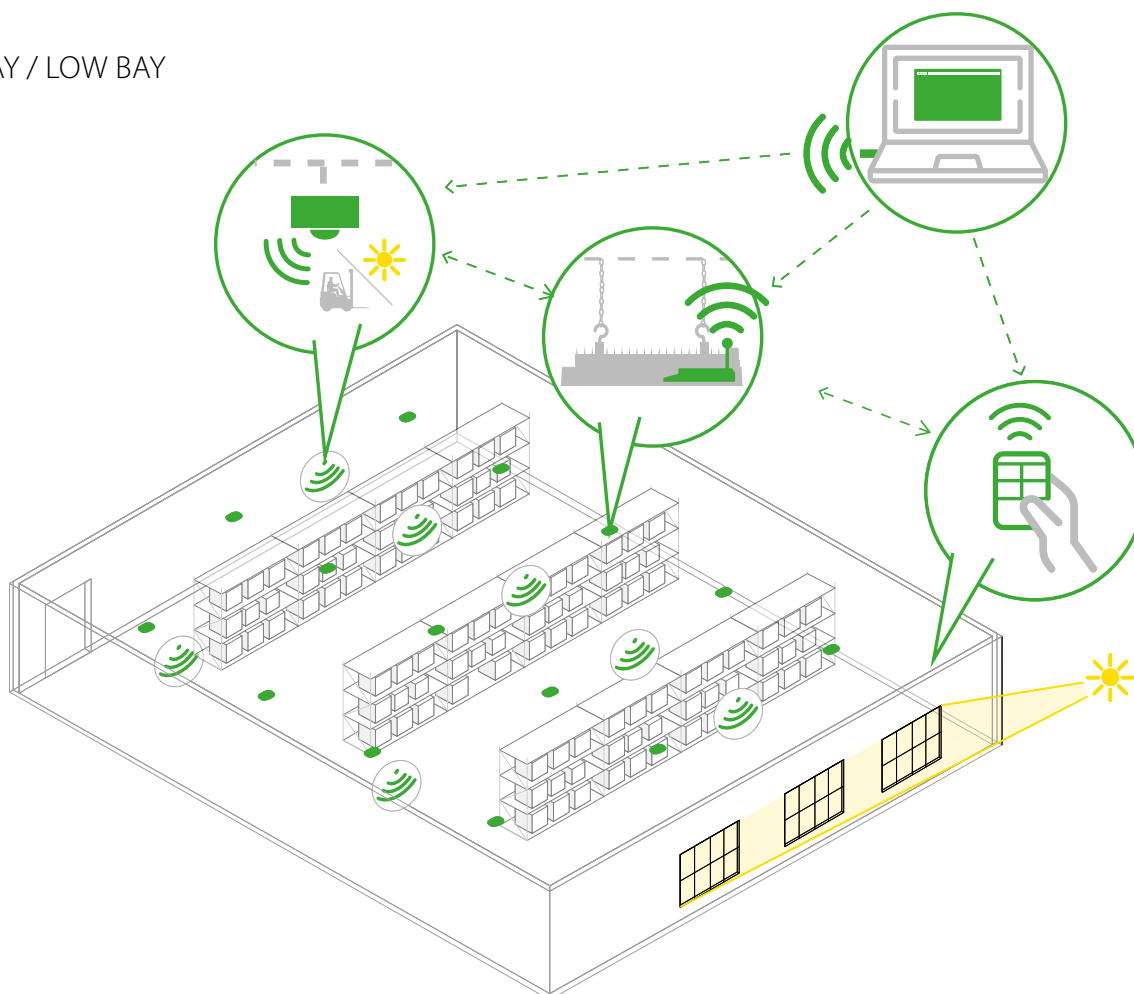


SMART - LIGHT CONTROL SYSTEM 868 MHz

FOR ANY ENVIRONMENT, A MULTITUDE OF CUSTOM SCENARIOS

SMART is a complete wireless solution, made up of extremely efficient lighting fixtures, a vast assortment of sensors and devices for manual control. Thanks to the high degree of configurability of its components, the system adapts itself accurately to the specific spatial and functional characteristics of any environment. According to your needs you will can opt for a wireless system with simple manual controls or for a smart system able to optimize itself in a fully autonomous mode.

HI BAY / LOW BAY



LAMA+ SMART
Integrated with DALI wireless control modules



SENSORS
To detect the presence and /or the brightness



REMOTE CONTROLS
Remote control version, or available as wireless pushbutton upon request



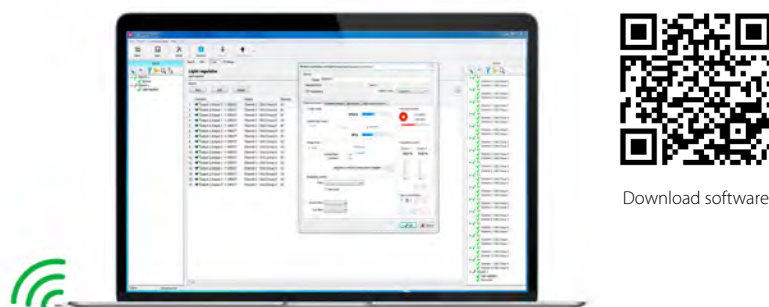
CONFIGURATION KIT
USB key and SMART ASSISTANT software for the wireless programming

PERFECT FOR NEW INSTALLATIONS, IDEAL FOR RELAMPING

SMART is synonymous for flexibility. Each component has to be simply powered and does not need extra control wiring. The system is also ideal for relamping without changing existing installations ; a considerable reduction of installation costs is therefore assured.

GET THE MAXIMUM PERFORMANCE

Lighting plays a fundamental role for the safety and the comfort of work activities and also for the impact on energy savings. Nowadays, the high performances of the LED technology combined with automatic control systems enable to achieve extremely efficient lighting systems compared to the traditional static systems. SMART is our answer to your needs to look at the future.



THE ANSWER TO YOUR PRESENT AND FUTURE NEEDS

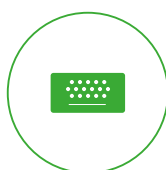
With SMART ASSISTANT, our free of charge software, the functioning of the system may be configured in detail. In the event that spaces or functions would undergo changes in the future, modifications can be quickly done remotely without any further installation actions.

SMART ASSISTANT allows you also to :

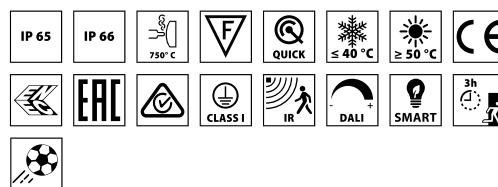
- ✓ Remotely configure all the components, setting their characteristics and their actions accurately (e.g. set the general illuminance level or by individual zones).
- ✓ Arrange the components in zones and subgroups, defining freely the modes of interaction between themselves (for example separate and manage individually lane by lane).
- ✓ Visualize and identify possible failures ; check the signal level between the components.

ARE YOU INTERESTED IN A SMART SOLUTION?

PERFORMANCE iN LIGHTING mette a disposizione un supporto completo dalla progettazione alla configurazione del tuo sistema SMART.



Contact
T +39 0456159211
info.it@pil.lighting



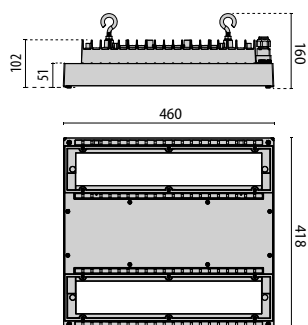
○ WH-87 / White / Textured

Suspended LED luminaire for indoor and outdoor industrial applications, comprising:

- Die-cast aluminium housing, powder-polyester coated ISO 9227
- Diffuser with integrated louvre in UV, heat stabilised, transparent technopolymer
- High-transparency polycarbonate lenses grant an optimized light transmission
- S/W optic with UGR<22
- High resiliency anti-ageing silicone gasket with high elastic return capacity
- Technopolymer cable compartment cover
- Light beam obtained by the combination of multiple LED modules
- Galvanised steel suspension hooks
- IP66 quick connector allows electrical connection to mains without opening the fitting. Made in PA66 with silver-plated brass contacts, for cables of Ø 9 - Ø 12 mm
- Stainless steel external screws
- The protective glass, available as accessory, shall be used in environments with mineral or natural oils or in atmospheres that are not compatible with polycarbonate
- DETEK versions include passive infrared motion sensor
- DETEK will not operate with the protective glass
- The SMART (SPD 10kV) version, supplied with an electronic device for the intelligent management of light, is based on wireless platform 868MHz. It allows to operate systems able to interact with the surrounding environment dynamically. Specific accessories to program and manage the system are available.
- The SOFT versions feature diffuser optics
- Photometric data measure according to UNI EN 13032-4 and IES LM-79-08



Arena basket - Herzelia - Israel



LAMA+ S/W

IK07 2.6J xx5

WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz													
206 W	I	✓	80	4000	0.9	S/W	-	34485 lm	29954 lm	90	10	100000 h	○ 06272087
150 W	I	✓	80	4000	0.9	S/W	-	26767 lm	23489 lm	90	10	100000 h	○ 06280287
99 W	I	✓	80	4000	0.9	S/W	-	19230 lm	16623 lm	90	10	100000 h	○ 06272187
64 W	I	✓	80	4000	0.9	S/W	-	12815 lm	11587 lm	90	10	100000 h	○ 06280387

Power LED - dimmable DALI 220-240 V 50/60 Hz

206 W	I	✓	80	4000	0.9	S/W	-	34485 lm	29954 lm	90	10	100000 h	○ 06272887
150 W	I	✓	80	4000	0.9	S/W	-	26767 lm	23489 lm	90	10	100000 h	○ 06281087
99 W	I	✓	80	4000	0.9	S/W	-	19230 lm	16623 lm	90	10	100000 h	○ 06272987
64 W	I	✓	80	4000	0.9	S/W	-	12815 lm	11587 lm	90	10	100000 h	○ 06281187

LAMA+ S/W SMART

IK07 2.6J xx5

WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz													
206 W	I	-	80	4000	0.9	S/W	-	34485 lm	29954 lm	90	10	100000 h	○ 06273687
150 W	I	-	80	4000	0.9	S/W	-	26767 lm	23489 lm	90	10	100000 h	○ 06281887
99 W	I	-	80	4000	0.9	S/W	-	19230 lm	16623 lm	90	10	100000 h	○ 06273787
64 W	I	-	80	4000	0.9	S/W	-	12815 lm	11587 lm	90	10	100000 h	○ 06281987

LAMA+ S/W DETEK

IK07 2.6J xx5

WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz													
206 W	I	-	80	4000	0.9	S/W	-	34485 lm	29954 lm	90	10	100000 h	○ 06273287
150 W	I	-	80	4000	0.9	S/W	-	26767 lm	23489 lm	90	10	100000 h	○ 06281487
99 W	I	-	80	4000	0.9	S/W	-	19230 lm	16623 lm	90	10	100000 h	○ 06273387
64 W	I	-	80	4000	0.9	S/W	-	12815 lm	11587 lm	90	10	100000 h	○ 06281587

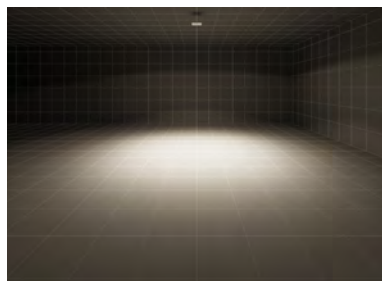
LAMA+ S/W EM

IK07 2.6J xx5

WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
Power LED - Emergency 3h - 220-240 V 50/60 Hz													
206 W	I	-	80	4000	0.9	S/W	-	34485 lm	29954 lm	90	10	100000 h	○ 06274087
150 W	I	-	80	4000	0.9	S/W	-	26767 lm	23489 lm	90	10	100000 h	○ 06282287
99 W	I	-	80	4000	0.9	S/W	-	19230 lm	16623 lm	90	10	100000 h	○ 06274187
64 W	I	-	80	4000	0.9	S/W	-	12815 lm	11587 lm	90	10	100000 h	○ 06282387

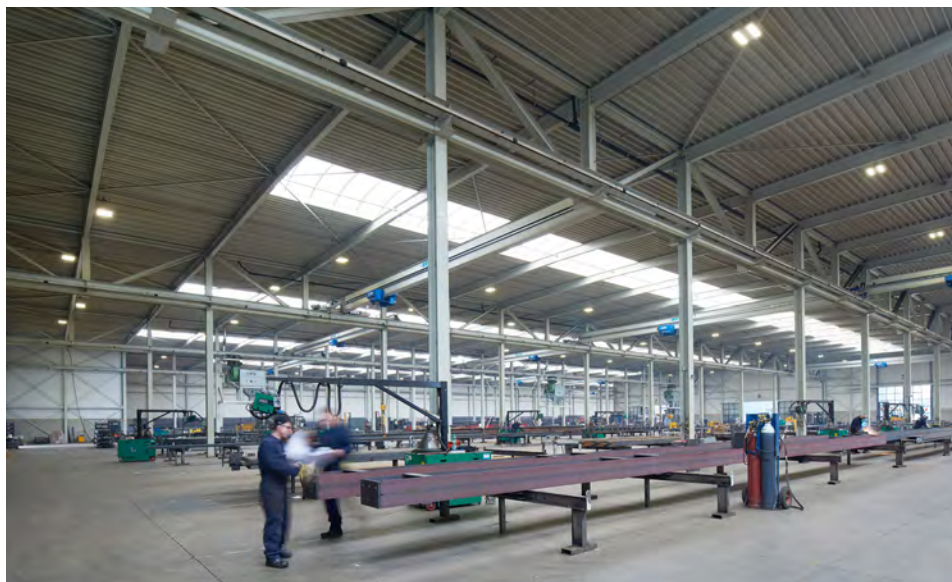
S/W - SYMMETRICAL WIDE OPTICS

Ideal for work environments where the light glare phenomenon must be reduced and for tall installation heights



LAMA+ S/W 4000 K - 150 W - 06280287

h [m]	Ø [m]		Max [lx]	Med [lx]
	0-180°	90-270°		
2	2	2	8555	4750
4	4	4	2139	1187
6	6	6	951	528
8	8	8	535	297
10	10	10	342	190



VAN DEN BRINK STEEL CONSTRUCTION | Barneveld | Netherlands

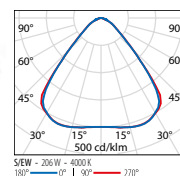
LAMA+ S/EW

IK07 2.6J xx5

WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTS SOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	CLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz													
206 W	I	✓	80	4000	0.9	S/EW	-	34485 lm	32189 lm	90	10	100000 h	06271887
150 W	I	✓	80	4000	0.9	S/EW	-	26767 lm	25165 lm	90	10	100000 h	06280087
99 W	I	✓	80	4000	0.9	S/EW	-	19230 lm	17402 lm	90	10	100000 h	06271987
64 W	I	✓	80	4000	0.9	S/EW	-	12815 lm	11994 lm	90	10	100000 h	06280187

Power LED - dimmable DALI 220-240 V 50/60 Hz

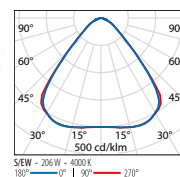
206 W	I	✓	80	4000	0.9	S/EW	-	34485 lm	32189 lm	90	10	100000 h	06272687
150 W	I	✓	80	4000	0.9	S/EW	-	26767 lm	25165 lm	90	10	100000 h	06280887
99 W	I	✓	80	4000	0.9	S/EW	-	19230 lm	17402 lm	90	10	100000 h	06272787
64 W	I	✓	80	4000	0.9	S/EW	-	12815 lm	11994 lm	90	10	100000 h	06280987



LAMA+ S/EW SMART

IK07 2.6J xx5

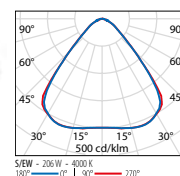
WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTS SOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	CLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz													
206 W	I	-	80	4000	0.9	S/EW	-	34485 lm	32189 lm	90	10	100000 h	06273487
150 W	I	-	80	4000	0.9	S/EW	-	26767 lm	25165 lm	90	10	100000 h	06281687
99 W	I	-	80	4000	0.9	S/EW	-	19230 lm	17402 lm	90	10	100000 h	06273587
64 W	I	-	80	4000	0.9	S/EW	-	12815 lm	11994 lm	90	10	100000 h	06281787



LAMA+ S/EW DETEK

IK07 2.6J xx5

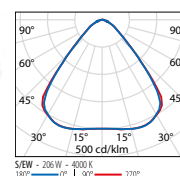
WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTS SOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	CLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz													
206 W	I	-	80	4000	0.9	S/EW	-	34485 lm	32189 lm	90	10	100000 h	06273087
150 W	I	-	80	4000	0.9	S/EW	-	26767 lm	25165 lm	90	10	100000 h	06281287
99 W	I	-	80	4000	0.9	S/EW	-	19230 lm	17402 lm	90	10	100000 h	06273187
64 W	I	-	80	4000	0.9	S/EW	-	12815 lm	11994 lm	90	10	100000 h	06281387



LAMA+ S/EW EM

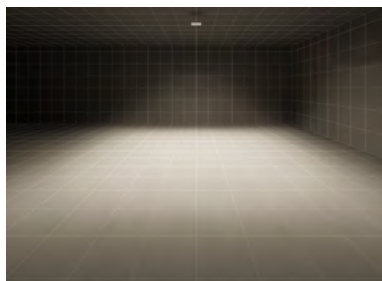
IK07 2.6J xx5

WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTS SOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	CLOUR/ RAL	PART NUMBER
Power LED - Emergency 3h - 220-240 V 50/60 Hz													
206 W	I	-	80	4000	0.9	S/EW	-	34485 lm	32189 lm	90	10	100000 h	06273887
150 W	I	-	80	4000	0.9	S/EW	-	26767 lm	25165 lm	90	10	100000 h	06282087
99 W	I	-	80	4000	0.9	S/EW	-	19230 lm	17402 lm	90	10	100000 h	06273987
64 W	I	-	80	4000	0.9	S/EW	-	12815 lm	11994 lm	90	10	100000 h	06282187



S/EW - SYMMETRICAL EXTRA WIDE OPTICS

Light distribution typically used for large areas, also ideal for ensuring excellent uniformity on work desk environments



LAMA+ S/EW
4000 K - 206 W - 06271887

h [m]	Ø [m]		Max [lx]	Med [lx]
	0-180°	90-270°		
2	4	4	3627	1879
4	7	7	907	470
6	11	11	403	209
8	14	14	227	117
10	18	18	145	75



MEI SYSTEM | Bergamo | Italy

PERFORMANCE **IN** LIGHTING

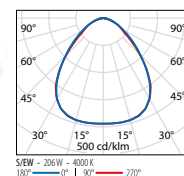
LAMA+ S/EW SOFT

IK07 2.6J xx5

WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz													
206 W	I	-	80	4000	0.9	S/EW	-	34485 lm	30586 lm	90	10	100000 h	3105893
150 W	I	-	80	4000	0.9	S/EW	-	26767 lm	23999 lm	90	10	100000 h	3105898
99 W	I	-	80	4000	0.9	S/EW	-	19230 lm	16845 lm	90	10	100000 h	3105910
64 W	I	-	80	4000	0.9	S/EW	-	12815 lm	11610 lm	90	10	100000 h	3105915

Power LED - dimmable DALI 220-240 V 50/60 Hz

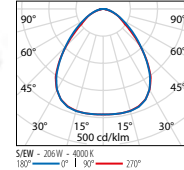
206 W	I	-	80	4000	0.9	S/EW	-	34485 lm	30586 lm	90	10	100000 h	3105894
150 W	I	-	80	4000	0.9	S/EW	-	26767 lm	23999 lm	90	10	100000 h	3105899
99 W	I	-	80	4000	0.9	S/EW	-	19230 lm	16845 lm	90	10	100000 h	3105911
64 W	I	-	80	4000	0.9	S/EW	-	12815 lm	11610 lm	90	10	100000 h	3105916



LAMA+ S/EW SOFT SMART

IK07 2.6J xx5

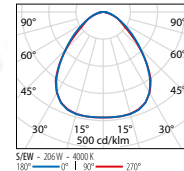
WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz													
206 W	I	-	80	4000	0.9	S/EW	-	34485 lm	30586 lm	90	10	100000 h	3105896
150 W	I	-	80	4000	0.9	S/EW	-	26767 lm	23999 lm	90	10	100000 h	3105901
99 W	I	-	80	4000	0.9	S/EW	-	19230 lm	16845 lm	90	10	100000 h	3105913
64 W	I	-	80	4000	0.9	S/EW	-	12815 lm	11610 lm	90	10	100000 h	3105918



LAMA+ S/EW SOFT DETEK

IK07 2.6J xx5

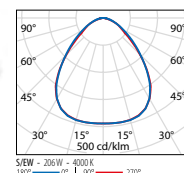
WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz													
206 W	I	-	80	4000	0.9	S/EW	-	34485 lm	30586 lm	90	10	100000 h	3105895
150 W	I	-	80	4000	0.9	S/EW	-	26767 lm	23999 lm	90	10	100000 h	3105900
99 W	I	-	80	4000	0.9	S/EW	-	19230 lm	16845 lm	90	10	100000 h	3105912
64 W	I	-	80	4000	0.9	S/EW	-	12815 lm	11610 lm	90	10	100000 h	3105917



LAMA+ S/EW SOFT EM

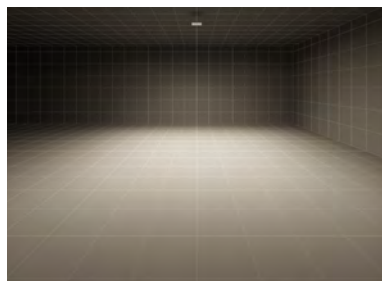
IK07 2.6J xx5

WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
Power LED - Emergency 3h - 220-240 V 50/60 Hz													
206 W	I	-	80	4000	0.9	S/EW	-	34485 lm	30586 lm	90	10	100000 h	3105897
150 W	I	-	80	4000	0.9	S/EW	-	26767 lm	23999 lm	90	10	100000 h	3105902
99 W	I	-	80	4000	0.9	S/EW	-	19230 lm	16845 lm	90	10	100000 h	3105914
64 W	I	-	80	4000	0.9	S/EW	-	12815 lm	11610 lm	90	10	100000 h	3105919



S/EW SOFT - SYMMETRICAL EXTRA WIDE OPTICS SOFT

Light distribution typically used for large areas, also ideal for special applications such as ice hockey



LAMA+ S/EW SOFT 4000 K - 206 W - 3105893

h [m]	Ø [m] 0-180°	Ø [m] 90-270°	Max [lx]	Med [lx]
2	4	4	3356	1413
4	8	8	839	353
6	12	12	373	157
8	16	16	210	88
10	20	20	134	57



ICE ARENA HALDEN ISHALL | Halden | Norway

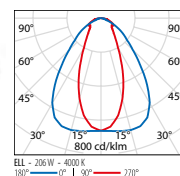
LAMA+ ELL

IK07 2.6J xx5

WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz													
206 W	I	✓	80	4000	0.9	ELL	45°x85°	34485 lm	30113 lm	90	10	100000 h	3105873
150 W	I	✓	80	4000	0.9	ELL	45°x85°	26767 lm	23627 lm	90	10	100000 h	3105878
99 W	I	✓	80	4000	0.9	ELL	45°x85°	19230 lm	16689 lm	90	10	100000 h	3105883
64 W	I	✓	80	4000	0.9	ELL	45°x85°	12815 lm	11515 lm	90	10	100000 h	3105888

Power LED - dimmable DALI 220-240 V 50/60 Hz

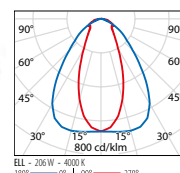
206 W	I	✓	80	4000	0.9	ELL	45°x85°	34485 lm	30113 lm	90	10	100000 h	3105874
150 W	I	✓	80	4000	0.9	ELL	45°x85°	26767 lm	23627 lm	90	10	100000 h	3105879
99 W	I	✓	80	4000	0.9	ELL	45°x85°	19230 lm	16689 lm	90	10	100000 h	3105884
64 W	I	✓	80	4000	0.9	ELL	45°x85°	12815 lm	11515 lm	90	10	100000 h	3105889



LAMA+ ELL SMART

IK07 2.6J xx5

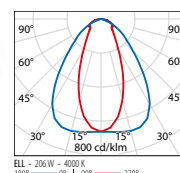
WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz													
206 W	I	-	80	4000	0.9	ELL	45°x85°	34485 lm	30113 lm	90	10	100000 h	3105876
150 W	I	-	80	4000	0.9	ELL	45°x85°	26767 lm	23627 lm	90	10	100000 h	3105881
99 W	I	-	80	4000	0.9	ELL	45°x85°	19230 lm	16689 lm	90	10	100000 h	3105886
64 W	I	-	80	4000	0.9	ELL	45°x85°	12815 lm	11515 lm	90	10	100000 h	3105891



LAMA+ ELL DETEK

IK07 2.6J xx5

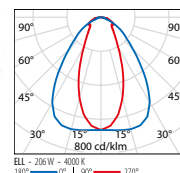
WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz													
206 W	I	-	80	4000	0.9	ELL	45°x85°	34485 lm	30113 lm	90	10	100000 h	3105875
150 W	I	-	80	4000	0.9	ELL	45°x85°	26767 lm	23627 lm	90	10	100000 h	3105880
99 W	I	-	80	4000	0.9	ELL	45°x85°	19230 lm	16689 lm	90	10	100000 h	3105885
64 W	I	-	80	4000	0.9	ELL	45°x85°	12815 lm	11515 lm	90	10	100000 h	3105890



LAMA+ ELL EM

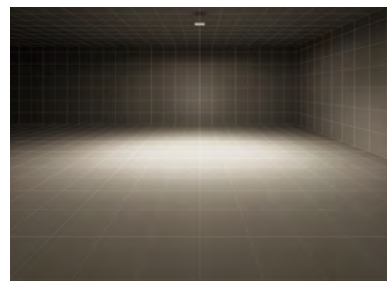
IK07 2.6J xx5

WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
Power LED - Emergency 3h - 220-240 V 50/60 Hz													
206 W	I	-	80	4000	0.9	ELL	45°x85°	34485 lm	30113 lm	90	10	100000 h	3105877
150 W	I	-	80	4000	0.9	ELL	45°x85°	26767 lm	23627 lm	90	10	100000 h	3105882
99 W	I	-	80	4000	0.9	ELL	45°x85°	19230 lm	16689 lm	90	10	100000 h	3105887
64 W	I	-	80	4000	0.9	ELL	45°x85°	12815 lm	11515 lm	90	10	100000 h	3105892



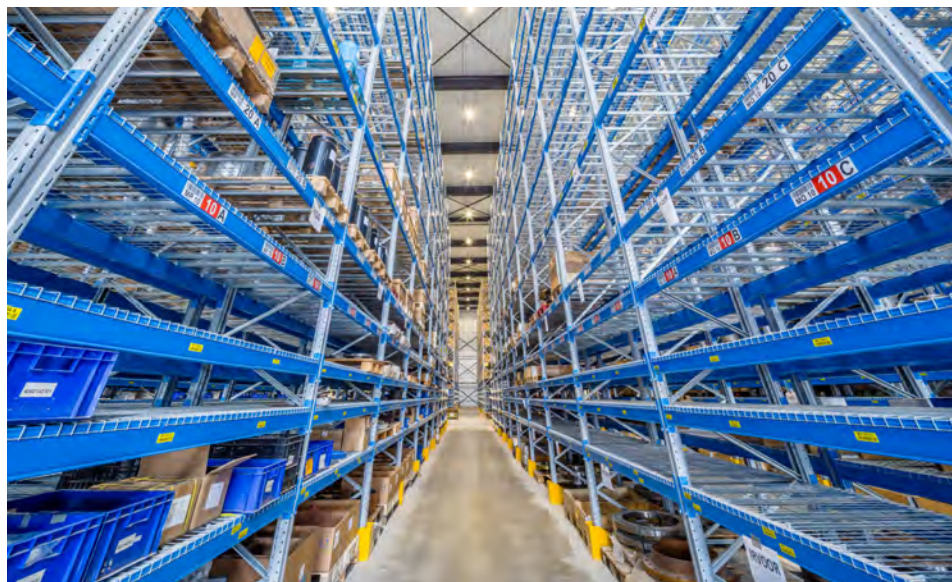
ELL - ELLIPTIC OPTICS

Elliptical distribution specifically designed to light warehouse and goods storage department aisles



LAMA+ ELL 4000 K - 206 W - 3105873

h [m]	Ø [m]		Max [lx]	Med [lx]
	0-180°	90-270°		
2	4	2	5650	2861
4	7	3	1413	715
6	11	5	628	318
8	14	7	353	179
10	18	8	226	114

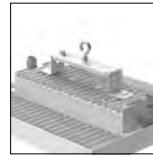


KROHNE | Dordrecht | Nederland

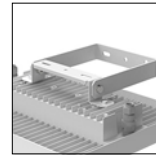
PERFORMANCE  LIGHTING

OPTIONAL ACCESSORIES

DESCRIPTION	COLOR	PART NUMBER
LAMA+		
LAMA+ hanging bracket kit	○	3107444
LAMA+ wall/ceiling bracket kit	○	3107443
Protective grid LAMA+ IK 10		14475620
Transparent protective glass IK 10		3101574
Recessed Frame in painted steel for installation in false ceilings. Are not compatible with protective glass		14475820



3107444



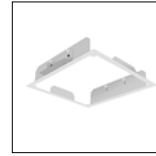
3107443



14475620



3101574



14475820

SMART ACCESSORIES

DESCRIPTION	COLOR	PART NUMBER
LAMA+ SMART		
USB flash drive to use with PC for wireless programming		14469720
Remote control with four configurable buttons		14469820
Wireless control pad with four configurable buttons		14477420
Model suitable for circular monitoring areas (e.g. production areas)		3100758
Model suitable for rectangular monitoring areas (e.g. aisles)		3100759



14469720



14469820



14477420



3100758
3100759

LAMA+ MINI

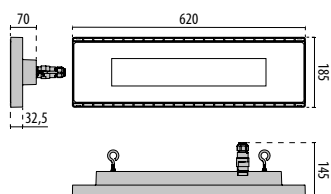
design by ROBERTO FIORATO



○ WH-87 / White / Textured

Suspended LED luminaire for indoor and outdoor industrial applications, comprising:

- Die-cast aluminium housing and cap, chemical pre-treated and painted polyester powder coating ISO 9227
- Diffuser permanently sealed to the housing through a high-temperature resistant silicone
- High-transparency polycarbonate lenses grant an optimized light transmission
- IP66 quick connector allows electrical connection to mains without opening the fitting. Made in PA66 with silver-plated brass contacts, for cables of Ø 9 - Ø 12 mm
- High resiliency anti-ageing silicone gasket with high elastic return capacity
- Galvanised steel suspension hooks
- Stainless steel external screws
- Stainless steel locking springs for the glass
- EM versions are complete with emergency device that can operate on battery for 1 hour. Product can be used for general or emergency lighting
- Available with ON-OFF driver and dimmable DALI
- Photometric data measure according to UNI EN 13032-4 and IES LM-79-08



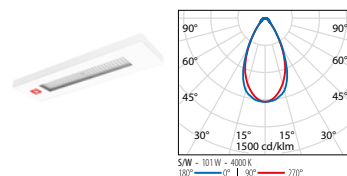
LAMA+ MINI S/W

IK06 1J xx3

WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz													
101 W	I	-	80	4000	>0.9	S/W	-	16732 lm	13921 lm	90	10	100000 h	○ 3101184
72 W	I	-	80	4000	>0.9	S/W	-	12479 lm	10636 lm	90	10	100000 h	○ 3101185
50 W	I	-	80	4000	>0.9	S/W	-	9195 lm	7721 lm	90	10	100000 h	○ 3101186
35 W	I	-	80	4000	>0.9	S/W	-	6690 lm	5963 lm	90	10	100000 h	○ 3101187

Power LED - dimmable DALI 220-240 V 50/60 Hz

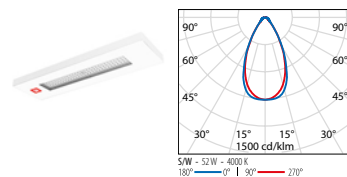
101 W	I	-	80	4000	>0.9	S/W	-	16732 lm	13921 lm	90	10	100000 h	○ 3101192
72 W	I	-	80	4000	>0.9	S/W	-	12479 lm	10636 lm	90	10	100000 h	○ 3101193
50 W	I	-	80	4000	>0.9	S/W	-	9195 lm	7721 lm	90	10	100000 h	○ 3101194
35 W	I	-	80	4000	>0.9	S/W	-	6690 lm	5963 lm	90	10	100000 h	○ 3101195



LAMA+ MINI S/W EM

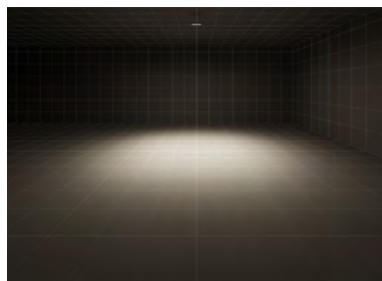
IK06 1J xx3

WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
Power LED - emergency 1h - 220-240 V 50/60 Hz													
50 W	I	-	80	4000	>0.9	S/W	-	9195 lm	7721 lm	90	10	100000 h	○ 3101750
35 W	I	-	80	4000	>0.9	S/W	-	6690 lm	5963 lm	90	10	100000 h	○ 3101751



S/W - SYMMETRICAL WIDE OPTICS

Ideal for work environments where the light glare phenomenon must be reduced and for tall installation heights



LAMA+ MINI S/W 4000 K - 101 W - 3101184

h	Ø [m]		Max	Med
[m]	0°-180°	90°-270°	[lx]	[lx]
1,2	1	1	10103	5647
2,4	2	2	2526	1412
3,6	4	4	1123	627
4,8	5	5	631	353
6	6	6	404	226



MEI SYSTEM | Bergamo | Italy

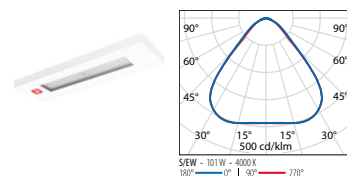
LAMA+ MINI S/EW

IK06 1J xx3

WATTAGE	CLASS		CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz														
101 W	I	-	80	4000	>0.9	S/EW	-	16732 lm	14765 lm	90	10	100000 h	○	3101188
72 W	I	-	80	4000	>0.9	S/EW	-	12479 lm	11332 lm	90	10	100000 h	○	3101189
50 W	I	-	80	4000	>0.9	S/EW	-	9195 lm	8101 lm	90	10	100000 h	○	3101190
35 W	I	-	80	4000	>0.9	S/EW	-	6690 lm	6260 lm	90	10	100000 h	○	3101191

Power LED - dimmable DALI 220-240 V 50/60 Hz

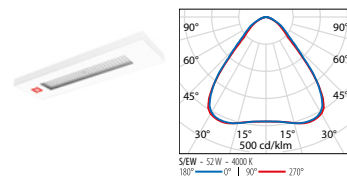
101 W	I	-	80	4000	>0.9	S/EW	-	16732 lm	14765 lm	90	10	100000 h	○	3101196
72 W	I	-	80	4000	>0.9	S/EW	-	12479 lm	11332 lm	90	10	100000 h	○	3101197
50 W	I	-	80	4000	>0.9	S/EW	-	9195 lm	8101 lm	90	10	100000 h	○	3101198
35 W	I	-	80	4000	>0.9	S/EW	-	6690 lm	6260 lm	90	10	100000 h	○	3101199



LAMA+ MINI S/EW EM

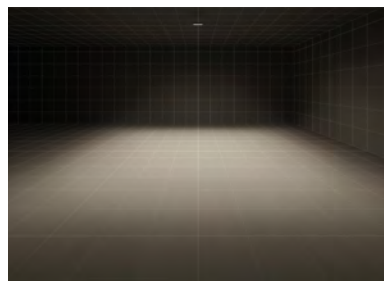
IK06 1J xx3

WATTAGE	CLASS		CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
Power LED - emergency 1h - 220-240 V 50/60 Hz														
50 W	I	-	80	4000	>0.9	S/EW	-	9195 lm	8101 lm	90	10	100000 h	○	3101754
35 W	I	-	80	4000	>0.9	S/EW	-	6690 lm	6260 lm	90	10	100000 h	○	3101755



S/EW - SYMMETRICAL EXTRA WIDE OPTICS

Light distribution typically used for large areas, also ideal for ensuring excellent uniformity on work desk environments



LAMA+ MINI S/EW
4000 K - 101 W - 3101188

h [m]	Ø [m]		Max [lx]	Med [lx]
	0°-180°	90°-270°		
1,2	2	2	4479	2278
2,4	4	4	1120	569
3,6	7	7	498	253
4,8	9	9	280	142
6	11	11	179	91



TETRA PAK | Modena | Italy

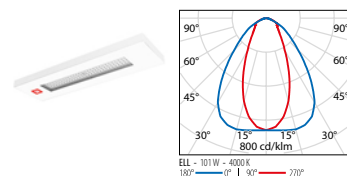
LAMA+ MINI ELL

IK06 1J xx3

WATTAGE	CLASS	CRI	KELVIN	COS Φ	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	CLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz													
101 W	I	-	80	4000	>0.9	ELL	45°x85°	16732 lm	13994 lm	90	10	100000 h	3105993
72 W	I	-	80	4000	>0.9	ELL	45°x85°	12479 lm	10702 lm	90	10	100000 h	3105995
50 W	I	-	80	4000	>0.9	ELL	45°x85°	9195 lm	7812 lm	90	10	100000 h	3105997
35 W	I	-	80	4000	>0.9	ELL	45°x85°	6690 lm	6037 lm	90	10	100000 h	3106000

Power LED - dimmable DALI 220-240 V 50/60 Hz

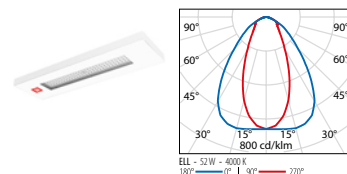
101 W	I	-	80	4000	>0.9	ELL	45°x85°	16732 lm	13994 lm	90	10	100000 h	3105994
72 W	I	-	80	4000	>0.9	ELL	45°x85°	12479 lm	10702 lm	90	10	100000 h	3105996
50 W	I	-	80	4000	>0.9	ELL	45°x85°	9195 lm	7812 lm	90	10	100000 h	3105998
35 W	I	-	80	4000	>0.9	ELL	45°x85°	6690 lm	6037 lm	90	10	100000 h	3106001



LAMA+ MINI ELL EM

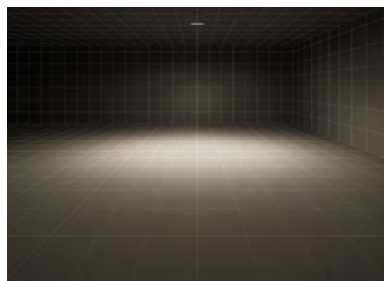
IK06 1J xx3

WATTAGE	CLASS	CRI	KELVIN	COS Φ	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	CLOUR/ RAL	PART NUMBER
Power LED - emergency 1h - 220-240 V 50/60 Hz													
50 W	I	-	80	4000	>0.9	ELL	45°x85°	9195 lm	7812 lm	90	10	100000 h	3105999
35 W	I	-	80	4000	>0.9	ELL	45°x85°	6690 lm	6037 lm	90	10	100000 h	3106002



ELL - ELLIPTIC OPTICS

Elliptical distribution specifically designed to light warehouse and goods storage department aisles



LAMA+ MINI ELL 4000 K - 101 W - 3105993

h	Ø [m]	Max	Med
[m]	0°-180°	90°-270°	[lx]
1,2	2	1	7224 3630
2,4	4	2	1806 907
3,6	6	3	803 403
4,8	8	4	452 227
6	11	5	289 145



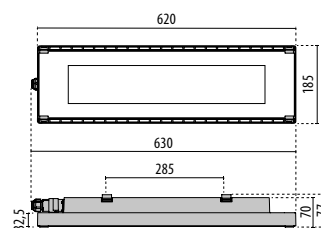
Factory | Italy



- GR-94 / Metallic grey / Textured

Ceiling mounted LED luminaire for indoor and outdoor industrial applications, comprising:

- Die-cast aluminium housing and cap, chemical pre-treated and painted polyester powder coating ISO 9227
- Extra clear, tempered, flat glass diffuser, matt and screen-printed inside
- Diffuser permanently sealed to the housing through a high-temperature resistant silicone
- High resiliency anti-ageing silicone gasket with high elastic return capacity
- IP66 quick connector, complete with cable, that allows electrical connection to mains without opening the fitting. Made in PA66 with silver-plated brass contacts, for cables Ø 9 - Ø 12 mm
- Stainless steel external screws
- Stainless steel locking springs for the glass
- Stainless steel springs for quick installation
- EM versions are complete with emergency device that can operate on battery for 1 hour. Product can be used for general or emergency lighting
- Available with ON-OFF driver and dimmable DALI
- Through-wiring version available upon request
- For other colour temperatures and different colour rendering index consult factory
- Photometric data measure according to UNI EN 13032-4 and IES LM-79-08



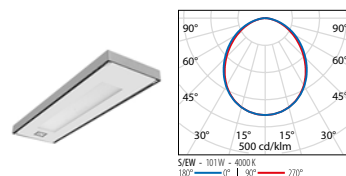
LM4 S/EW

IK06 0.80J xx3

WATTAGE	CLASS		CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	CLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz														
101 W	I	-	80	4000	>0.9	S/EW	-	16732 lm	13985 lm	90	10	100000 h	●	3101704
72 W	I	-	80	4000	>0.9	S/EW	-	12479 lm	10767 lm	90	10	100000 h	●	3101705
50 W	I	-	80	4000	>0.9	S/EW	-	9195 lm	7625 lm	90	10	100000 h	●	3101706
35 W	I	-	80	4000	>0.9	S/EW	-	6690 lm	5614 lm	90	10	100000 h	●	3101707

Power LED - dimmable DALI 220-240 V 50/60 Hz

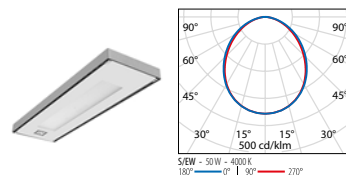
101 W	I	-	80	4000	>0.9	S/EW	-	16732 lm	13895 lm	90	10	100000 h	●	3101708
72 W	I	-	80	4000	>0.9	S/EW	-	12479 lm	10767 lm	90	10	100000 h	●	3101709
50 W	I	-	80	4000	>0.9	S/EW	-	9195 lm	7625 lm	90	10	100000 h	●	3101710
35 W	I	-	80	4000	>0.9	S/EW	-	6690 lm	5614 lm	90	10	100000 h	●	3101711



LM4 S/EW EM

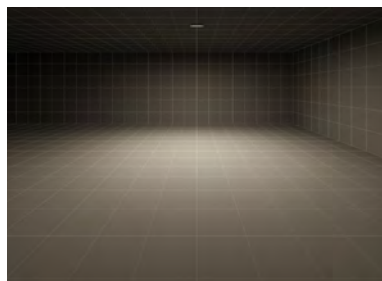
IK06 0.80J xx3

WATTAGE	CLASS		CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	CLOUR/ RAL	PART NUMBER
Power LED - emergency 1h - 220-240 V 50/60 Hz														
50 W	I	-	80	4000	>0.9	S/EW	-	8890 lm	7625 lm	90	10	100000 h	●	3101714
35 W	I	-	80	4000	>0.9	S/EW	-	6690 lm	5614 lm	90	10	100000 h	●	3101715



S/EW - SYMMETRICAL EXTRA WIDE OPTICS

Light distribution typically used for large areas, also ideal for ensuring excellent uniformity on work desk environments



LM4 S/EW 4000 K - 101 W - 3101704

h	Ø [m]	Max	Med
[m]	0°-180° 90°-270°	[lx]	[lx]
1	2	2	5606
2	5	5	1402
3	7	7	623
4	10	10	350
5	12	12	224

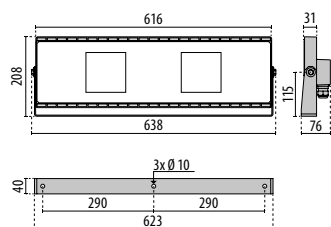




● GR-94 / Metallic grey / Textured

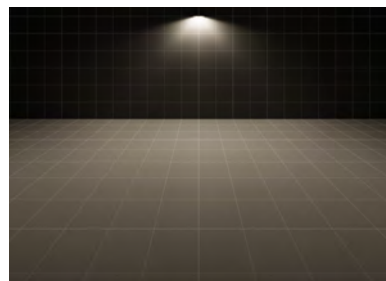
LED floodlight for indoor and outdoor lighting, comprising:

- Die-cast aluminium housing, powder-polyester coated ISO 9227
- Extra clear, tempered, flat glass diffuser
- Diffuser permanently sealed to the housing through a high-temperature resistant silicone
- High-transparency polycarbonate lenses grant an optimized light transmission
- Stainless steel external screws
- Stainless steel locking springs for the glass
- Powder coated steel bracket
- Cable gland M20x1.5 for cables Ø 10- Ø 14 mm
- Available with ON-OFF driver and dimmable DALI
- For other colour temperatures and different colour rendering index consult factory
- Photometric data measure according to UNI EN 13032-4 and IES LM-79-08



A/W - ASYMMETRICAL OPTICS

Asymmetrical optical distribution that guarantees good lighting uniformity in loading/unloading areas, on warehouse perimeter areas, industrial buildings, parking lots, etc.



YPSILON A/W
4000 K - 70 W - 3103514

h [m]	Ø [m] - G=41°		Max [lx]	Med [lx]
	0°-180°	90°-270°		
1	5	2	2809	806
2	9	3	702	202
3	14	5	312	90
4	19	6	176	50
5	23	8	112	32



J. HEEBINK | Veenendaal | Nederland

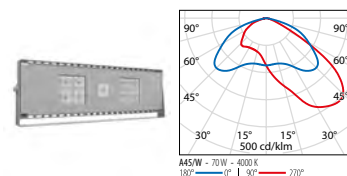
YPSILON+ A/W

IK06 1J xx3

WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	CLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz													
70 W	I	-	70	4000	>0.9	A45/W	-	10863 lm	9654 lm	80	10	100000 h	● 3103514
70 W	I	-	70	3000	>0.9	A45/W	-	10182 lm	9323 lm	80	10	100000 h	● 3105377
35 W	I	-	70	4000	>0.9	A45/W	-	5431 lm	5196 lm	80	10	100000 h	● 3103515
35 W	I	-	70	3000	>0.9	A45/W	-	5291 lm	4991 lm	80	10	100000 h	● 3105378

Power LED - dimmable DALI 220-240 V 50/60 Hz

70 W	I	-	70	4000	>0.9	A45/W	-	10863 lm	9654 lm	80	10	100000 h	● 3103518
70 W	I	-	70	3000	>0.9	A45/W	-	10182 lm	9323 lm	80	10	100000 h	● 3105381
35 W	I	-	70	4000	>0.9	A45/W	-	5431 lm	5196 lm	80	10	100000 h	● 3103519
35 W	I	-	70	3000	>0.9	A45/W	-	5291 lm	4991 lm	80	10	100000 h	● 3105382



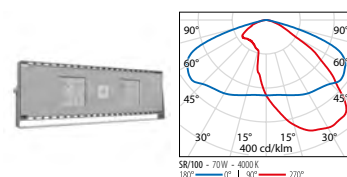
YPSILON+ SR/100

IK06 1J xx3

WATTAGE	CLASS	CRI	KELVIN	COS Ø	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	CLOUR/ RAL	PART NUMBER
Power LED 220-240 V 50/60 Hz													
70 W	I	-	70	4000	>0.9	SR/100	-	10863 lm	9851 lm	80	10	100000 h	● 3103512
70 W	I	-	70	3000	>0.9	SR/100	-	10182 lm	9627 lm	80	10	100000 h	● 3105375
35 W	I	-	70	4000	>0.9	SR/100	-	5431 lm	5363 lm	80	10	100000 h	● 3103513
35 W	I	-	70	3000	>0.9	SR/100	-	5291 lm	5190 lm	80	10	100000 h	● 3105376

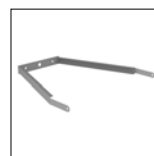
Power LED - dimmable DALI 220-240 V 50/60 Hz

70 W	I	-	70	4000	>0.9	SR/100	-	10863 lm	9851 lm	80	10	100000 h	● 3103516
70 W	I	-	70	3000	>0.9	SR/100	-	10182 lm	9627 lm	80	10	100000 h	● 3105379
35 W	I	-	70	4000	>0.9	SR/100	-	5431 lm	5363 lm	80	10	100000 h	● 3103517
35 W	I	-	70	3000	>0.9	SR/100	-	5291 lm	5190 lm	80	10	100000 h	● 3105380



OPTIONAL ACCESSORIES

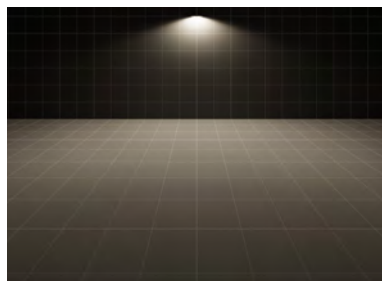
DESCRIPTION	COLOR	PART NUMBER
YPSILON+		
500 mm wall mounting extension arm in sheet steel painted aluminium	●	3108333



3108333

SR/100 - STREET OPTICS

Optic with wide beam (street lighting type) particularly indicated for illuminating the perimeter of warehouses, industrial buildings etc.



YPSILON+ SR/100 4000 K - 70 W - 3103512

h	Ø [m] - G=32°	Max	Med
[m]	0°-180° 90°-270°	[lx]	[lx]
1	6	2	4778
2	13	3	1194
3	19	5	531
4	25	6	299
5	31	8	191
			30



AIRPORT | Düsseldorf | German



INDOOR | INDUSTRIAL

INDOOR INDUSTRIAL LIGHTING

Hi bay / low bay



LAMA+



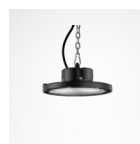
LAMA+ MINI



KOA BASIC MAXI



KOA BASIC MINI



A+

Fast trunking system



TRY



TRY TRACK

Surface mounted waterproof

Aluminium
| Glass



LM4



KOA LINE STR/GL



KOA LINE STR/PC

Aluminium
| PC



KOA LINE COB/GL

Technopolymer
| Technopolymer



NORMA+ PRO
1200 / 1500 mm



NORMA+ PRO CL
1200 / 1500 mm



NORMA+
600 / 1200 / 1500 mm



NORMA+ CL
600 / 1200 / 1500 mm

Technopolymer + FV
| PMMA - PC



ACRO XS OPALED
669 / 1277 / 1577 mm



ACRO XS FORTILED
1277 / 1577 mm



ACRO XS CERTALED
1277 mm



ACRO XS T5
669 / 1277 / 1577 mm



ACRO XS PC T5
669 / 1277 / 1577 mm



ACRO XS T8 HF
669 / 1277 / 1577 mm



ACRO XS PC T8 HF
669 / 1277 / 1577 mm



ACRO+
EQ118 / EQ136 / EQ158



ACRO+
EQ236 / EQ258



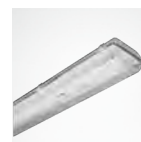
ACRO BASIC
EQ136 / EQ158



ACRO BASIC
EQ218 / EQ236 / EQ258



ACRO T8 HF / 1X
670 / 1278 / 1578 mm



ACRO PC T8 HF / 2X
670 / 1278 / 1578 mm

Ceiling surface mounted



GYM+



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