



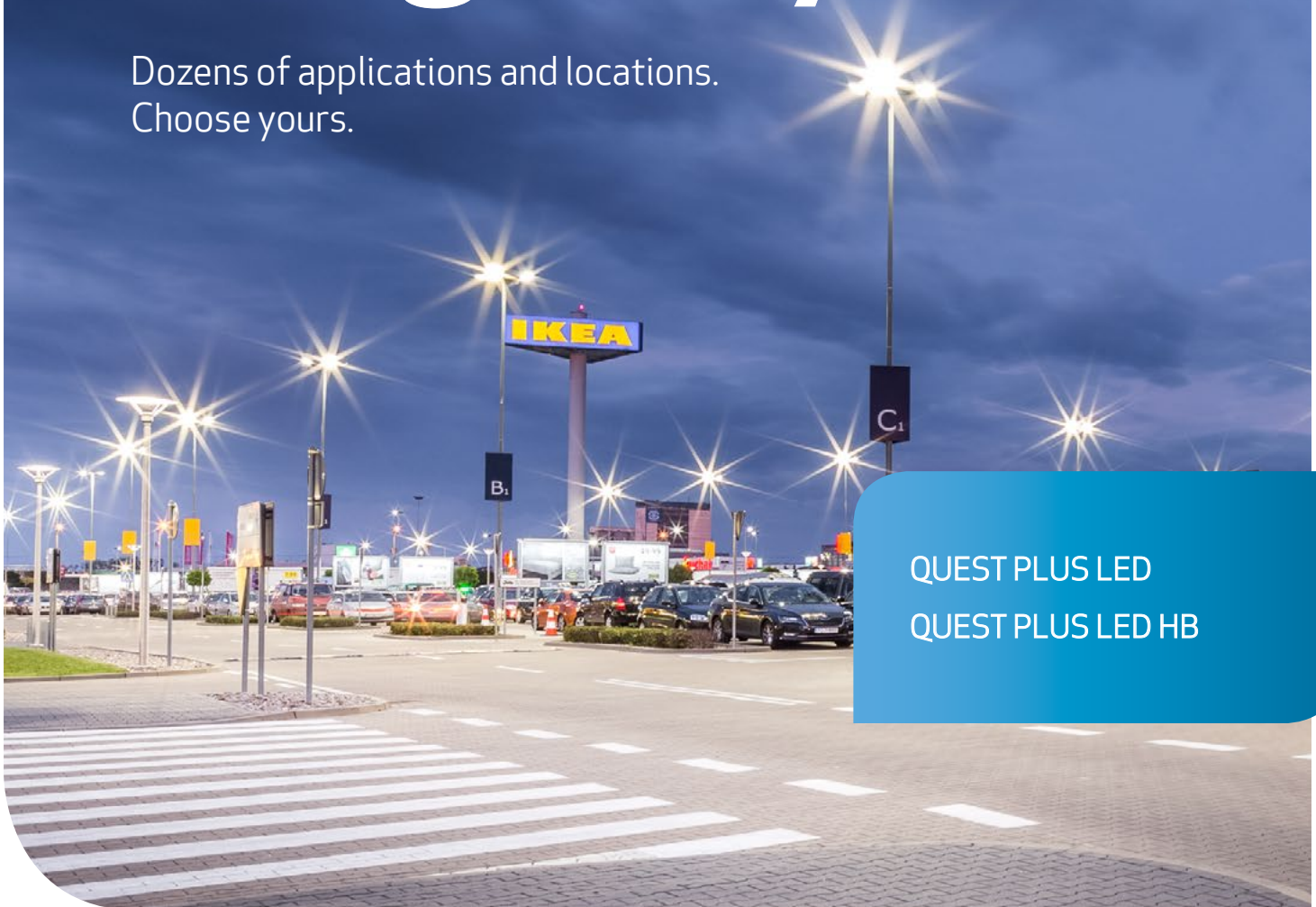
INDUSTRY

Quest Your Lighting

Floodlight & high-bay

Dozens of applications and locations.
Choose yours.

QUEST PLUS LED
QUEST PLUS LED HB





POLISH PRODUCTION
POLISH TECHNOLOGY

We are responsible for the highest quality of lighting

It is worth choosing products supplied by renowned manufacturers, who employ highly-skilled engineering staff with the long-time experience in designing lighting systems and have laboratories with equipment that enables the constant quality control.

Thanks to the professional R&D facilities, the state-of-the-art laboratory operated by specialists and with the constantly controlled production process, Lena Lighting offers full 5-year warranty for each QUEST PLUS LED fitting it manufactures.



Innovative LED production line
in Środa Wielkopolska

Polish manufacturer, global standards

We are a manufacturer of lighting present on the market for 30 years, and thanks to our experience we know everything about luminaires and lighting systems: we design, test, produce and explore its possibilities.



Środa Wielkopolska, Poland



Lena Lighting S.A. has been one of the leaders on the lighting market in Poland for 30 years. Based on 100% Polish capital, the company designs, engineers and manufactures professional lighting solutions. It is one of the largest enterprises and one of the most recognized brands in Wielkopolska, where its headquarters and production sites are located.

Since 2005, the Company has been listed on the main market of the Warsaw Stock Exchange. Thanks to developing business contacts within 70 countries around the world, Lena Lighting S.A. achieved the position of the undisputed leader of professional lighting exporters among Polish manufacturers.



Save up to 85% energy

According to the latest ecological trends, QUEST PLUS LED luminaires are characterized by high energy efficiency A++, reducing CO2 emissions and allowing up to 65% savings compared to fittings with traditional light sources.

A++

In QUEST PLUS LED range energy efficiency is accompanied by high quality components (drivers of recognized manufacturers and CREE diodes) and materials used to make them. It performs long durability up to 100,000h, high luminous efficiency up to 155lm/W and the high degree of light uniformity at SDCM \leq 3.

Such a high quality and parameter values are in turn a response to market expectations and requirements for manufacturers who want to be perceived as creators of new solutions and technologies.

155 lm/W

SDCM \leq 3

>100.000



QUEST PLUS LED
Floodlight



QUEST PLUS LED HB
High-bay

The luminaire can be,
at the same time, **universal**
and **precisely fulfills** its tasks.

High-bay

Floodlight

BIOC

Examples of application:

- industrial halls and warehouses, ramps and infrastructure around the halls,
- internal roads, parking lots,
- market, show and sports halls, sports fields and stadiums,
- the facade of architectural objects,
- historic buildings, monuments,
- billboards,
- temporary lighting at a construction site;
- emergency lighting in places where emergency services work.

Lena Lighting S.A. marketed the QUEST PLUS LED luminaires family, represented by floodlights and high bay fittings. Their greatest asset is **universality and multitude of applications** - in line with the constructor's vision, which assumed diversification of individual variants so that they could be dedicated to many places and facilities.



Scan QR code
& watch the clip

Sealed construction

The luminaire is resistant to difficult weather conditions such as rain, snow, moisture or strong gusts of wind.



For the QUEST PLUS LED to be used in outdoor applications, it was designed in a way that allows a **high protection rating of IP66**. Moreover, it is fitted with a breathable gland, which protects it against moisture condensation inside the luminaire.

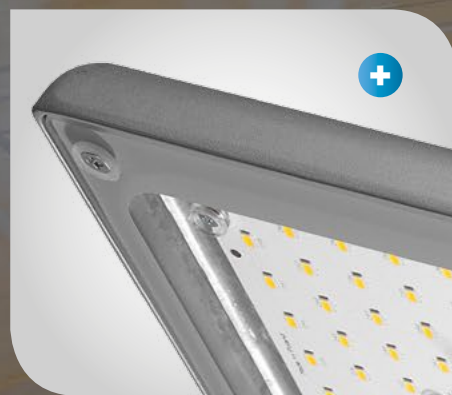


IP66

Ingress protection class

Resistant, robust and durable.

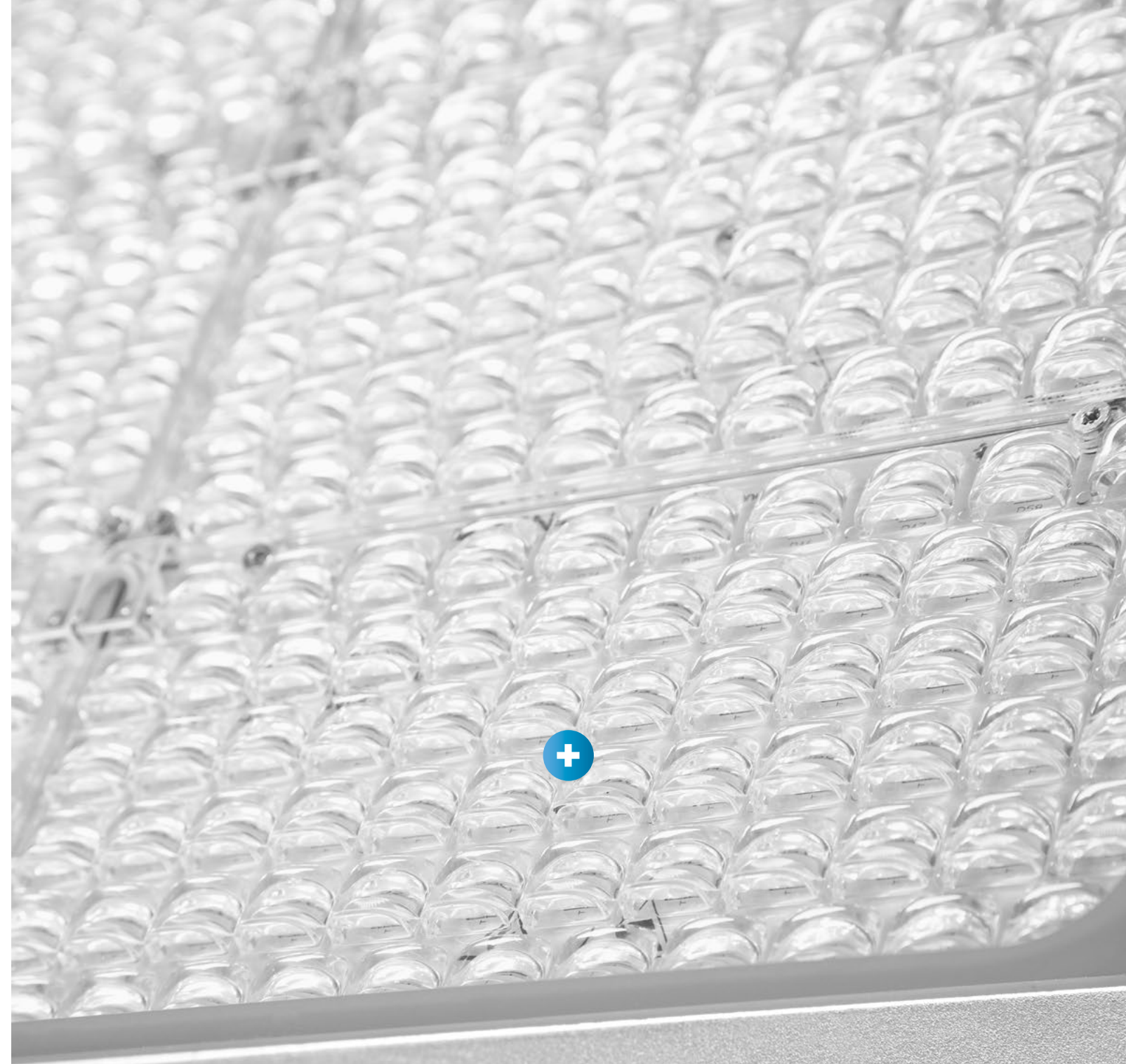
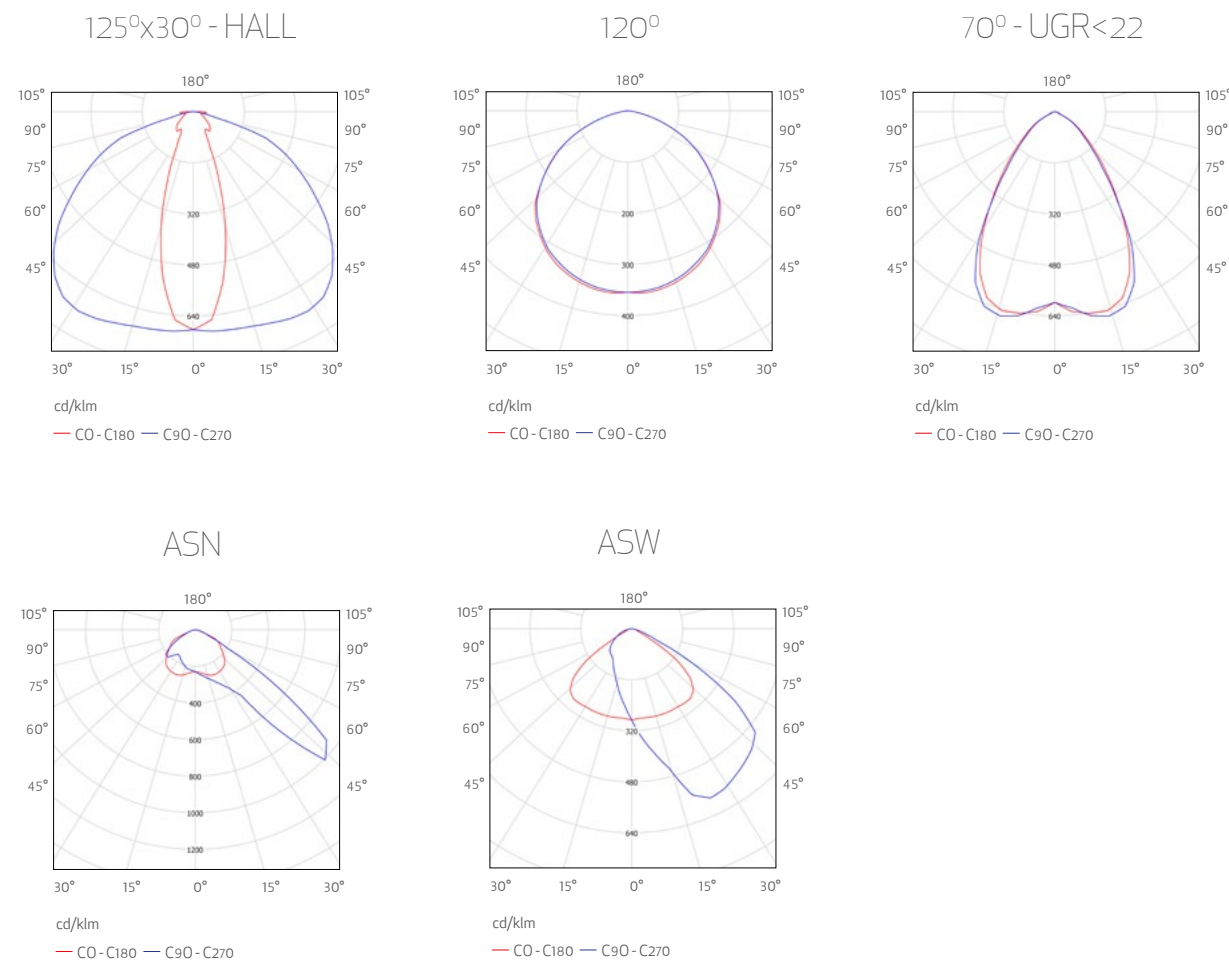
The family QUEST PLUS LED is characterized by the **highest** impact resistance of **IK 10**.



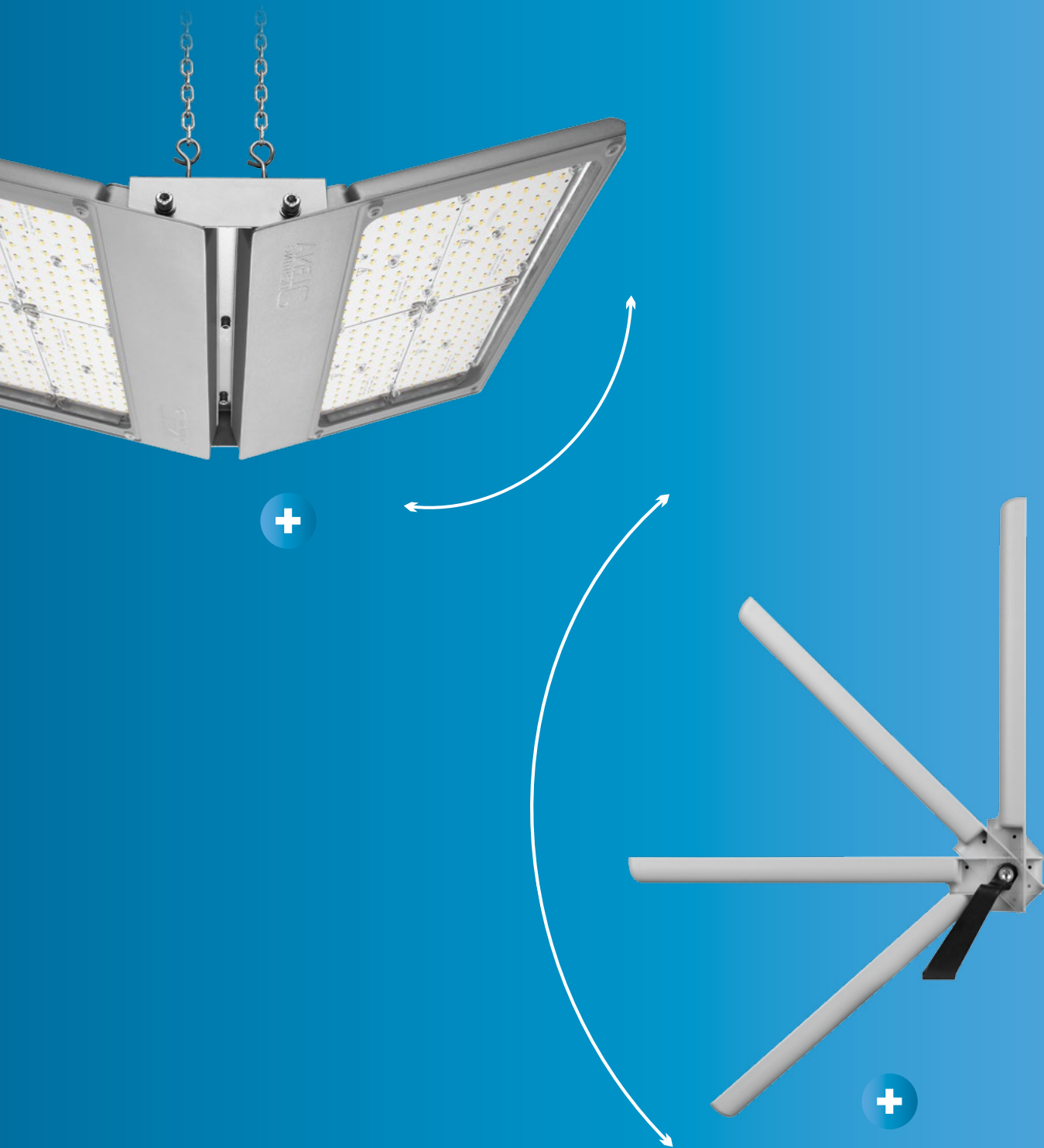
We achieved it thanks to the usage of an **aluminum body** and a **tempered glass 5mm thick**. The luminaire can be additionally secured with a protective mesh.

It will illuminate any space.

With a diverse and wide range of light distribution angles, you can tailor your lighting to suit virtually any application.



Even more



possibilities

The set of advantages for QUEST PLUS LED family is complete with quick and easy power supply using a **quick connector**, the possibility of using **through wiring** and **adjustable lighting angle** from -165° to 160° for floodlights and from 0 to 20° for suspended and surface-mounted lamps. QUEST PLUS LED HB is also available in version with **microwave motion sensor (RCR) & DALI**. Another version **QUEST PLUS LED ENDURA** is a luminaire designed for lighting surfaces with the ambient temperature up to $+60^{\circ}\text{C}$.



Floodlights

Two dimensions, three variants,
hundreds of applications

The QUEST PLUS LED family includes two sizes of floodlights: L (with six LED panels) and M (with four and two panels). Individual variants are characterized by a diverse light distribution. To choose the optimal lighting for your intended purpose, a wide range of luminous flux is available for these luminaires, ranging from **3600lm** to **21000lm** and nominal power from **23W** to **144W**.



Scan the code
and go to the
data sheet



Version M2 & M4

Dimensions (H/W/T)
[mm]:300/424/32



Version L6

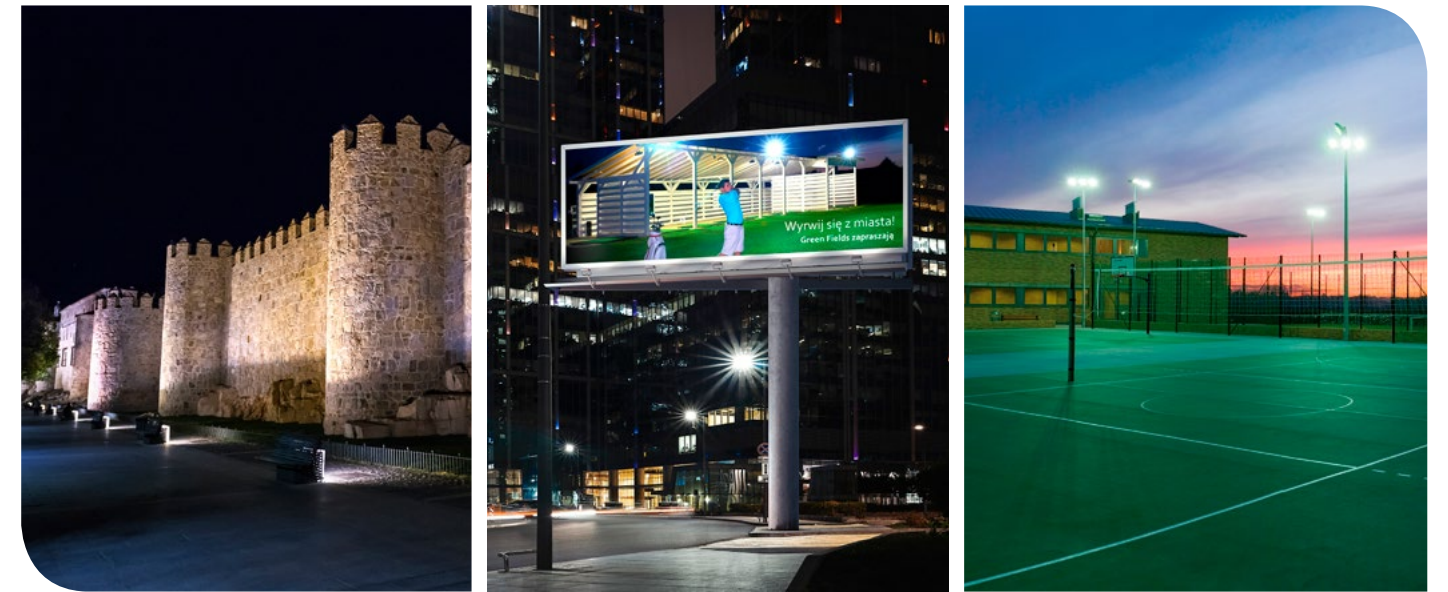
Dimensions (H/W/T)
[mm]:396/424/35

Basic parameters:

- Colour temperature: 4000K
- Colour rendering index (Ra):>80
- SDCM: ≤3
- The body is made of aluminum
- Diffuser made of tempered glass

Floodlights...

...that you can install **anywhere!**



QUEST PLUS LED is designed, among other things, for **accent lighting**, both indoor and outdoor. Technical parameters—tightness and resistance to impact allow the luminaire to be used in dusty and humid conditions, as well as in places exposed to mechanical impact.



Assembly on a Future Stand



Boom mounting



Pole mounting

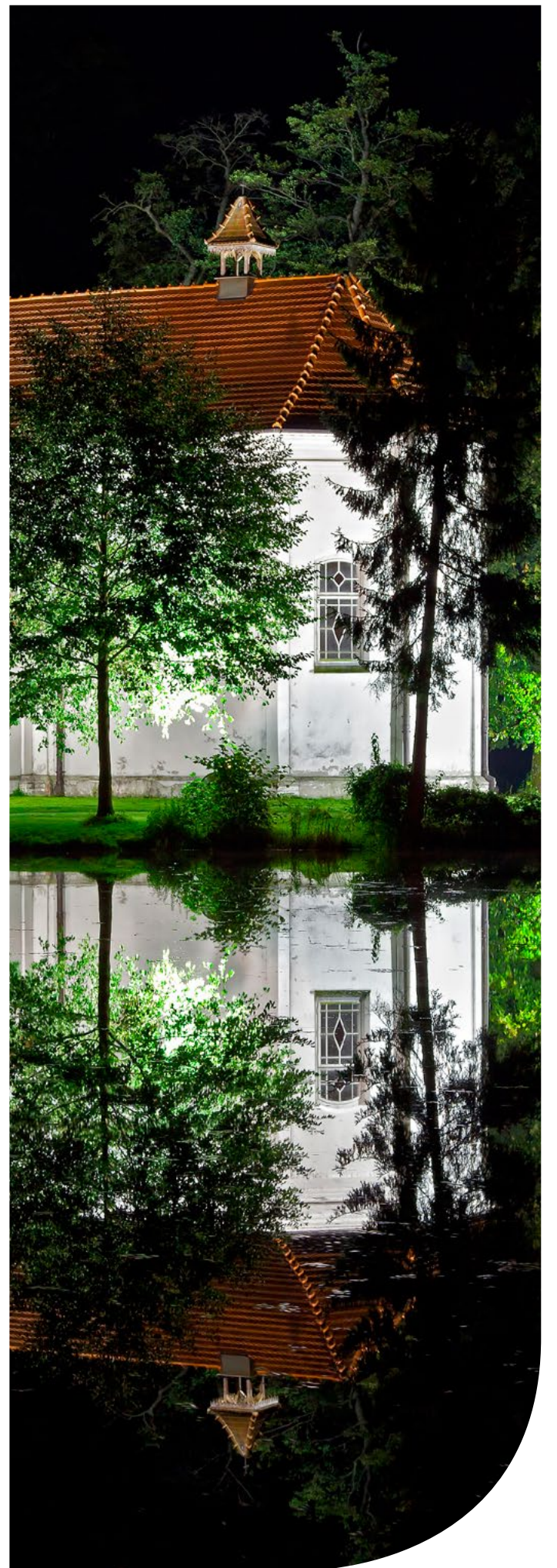


Wall mounting



Convenient mounting to the ground

Easiness and speed of mounting to almost any surface is a special feature of QUEST PLUS LED lamps. This is one of those attributes that **customers appreciate the most**. It saves time and reduces installation costs.



Light that supports passion

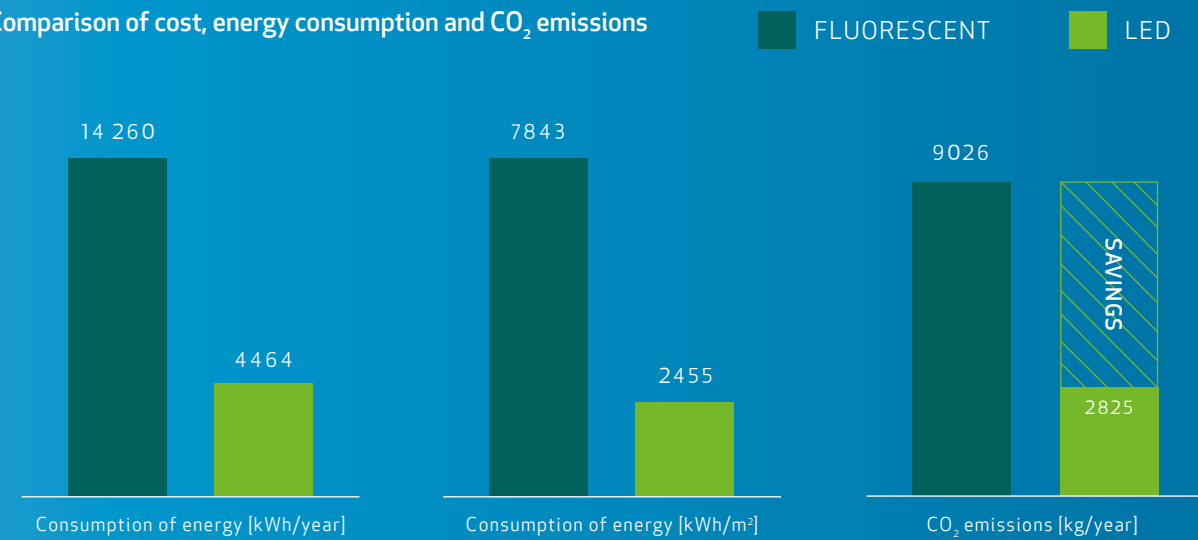
Keeping the work-life balance is not an easy task, becoming the challenge of our times. One task is more important than the other, and in the constant pursuit there is not enough time for realization of the passion. Especially in the winter, when it gets dark quickly, it is difficult to be active after work and to make the worktime not fill our whole day. The QUEST PLUS LED family of luminaires is also designed to illuminate, for example, sports facilities, ski slopes and other areas where the light will allow to use these sites after dark.





69% of energy savings

Comparison of cost, energy consumption and CO₂ emissions



QUEST PLUS LED

Case study

An investor modernized the lighting in the ORLIK sports facility (two pitches: basketball and football). Facility dimensions: 60x70m, two pitches: basketball 33.5x20m, football 60x30m. Considering the purpose of the site, a lighting level of 100lx on the working surface was required.

The 4-hour operation mode of the luminaires made energy efficiency the most important criterion for their selection. Another requirement was reliability and safety; the pitches are used mainly by children and young people, so it is important to provide them with the best possible conditions for developing their passions.

Highbay lamps equipped with 400W metal halide discharge lamps were previously installed on the pitches. Taking into account the key requirements of the investor, we proposed replacing the traditional lamps with QUEST PLUS LED L ASW 144W 4000K 20300lm IP66 lamps.

INSTALLED POWER:

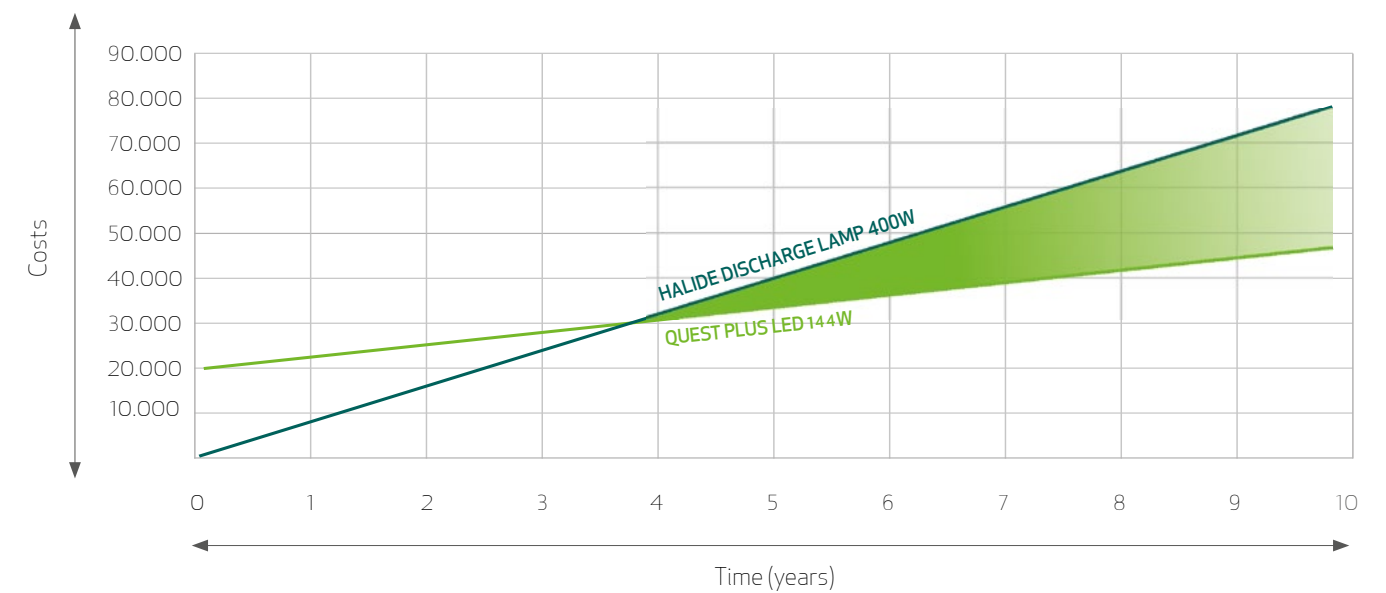
4.464 W

QUEST PLUS LED 144W

14.260 W

HALIDE DISCHARGE LAMP 400W

Savings chart



The comparative analysis showed a lot of **benefits** from using LED luminaires. According to the suggested design, the **same number of lamps** was installed, but with **less power**. During operation, thanks to the use of QUEST PLUS LED lamps, energy costs have been significantly reduced.

69% of ENERGY SAVINGS

Thanks to using QUEST PLUS LED fittings, the energy costs were also decreased (by 69%). The effect was reached not only thanks to **lower power consumption** but also because of minimizing the costs of maintenance (for example replacing fluorescent lamps) by using modern LED GO! light modules with long lifespan in LED options. The cost of purchasing QUEST PLUS LED is compensated by the reduction of electricity costs and the estimated time for **return on investment** is scheduled to **less than 4 years**. After this time the Investor will experience constant, dynamic profits' increase thanks to using LED luminaires.



The basic assumption of case study:

Time of lighting 4 hours per day; scheduled for 10 years; price for 10 kWh - 1,39 euro; the cost of the light sources on the basis of average market prices, frequency of replacing the light sources according to the lifespan.

High Bay

Up to 42.000 lumens.
Eight variants.
Suspended & surface.

QUEST PLUS HB include four variants of surface-mounted luminaires and four variants of suspended fittings, differing in dimensions, the luminous flux value ranging from 14.000 lm to 42.000 lm and the amount of energy consumed from 96W - 288W.

Suspended mounting version
Size L (6 panels) in 2 variants
single and double

Dimensions (H/W/T) [mm]:
396/424/35 and 820/430/45

Version M available (4 panels).

Surface mounting version
Size L (6 panels) in 2 variants
single and double

Dimensions (H/W/T) [mm]:
396/424/35 and 820/430/45

Version M available (4 panels).

Basic parameters:

- Colour temperature: 4000K / 3000, 5000, 6500 (option)
- Colour rendering index (Ra): >80
- SDCM: ≤3
- The body is made of aluminum
- Diffuser made of tempered glass



Scan the code
and go to the
data sheet

85% of
energy
savings

QUEST PLUS LED HB

Case study

An investor modernized lighting in the high bay warehouse, including loading and unloading areas. Dimensions of the facility: 80x33m (2640 m²), installation height of the lamps—11 m. Considering the purpose of the site, a lighting level of 150lx on the working surface was required.

Due to the building occupancy of 16 hours per day, energy saving was the most important criterion of choosing the fittings and the next significant factor for making the choice was reliability, because each stoppage in the logistic center causes unnecessary costs.

Initial project was designed on 400W HIGH-BAY metal halide discharge. Considering the investor's key requirements, we suggested changing the traditional fittings to QUEST PLUS LED HB 144W.

98 pcs.

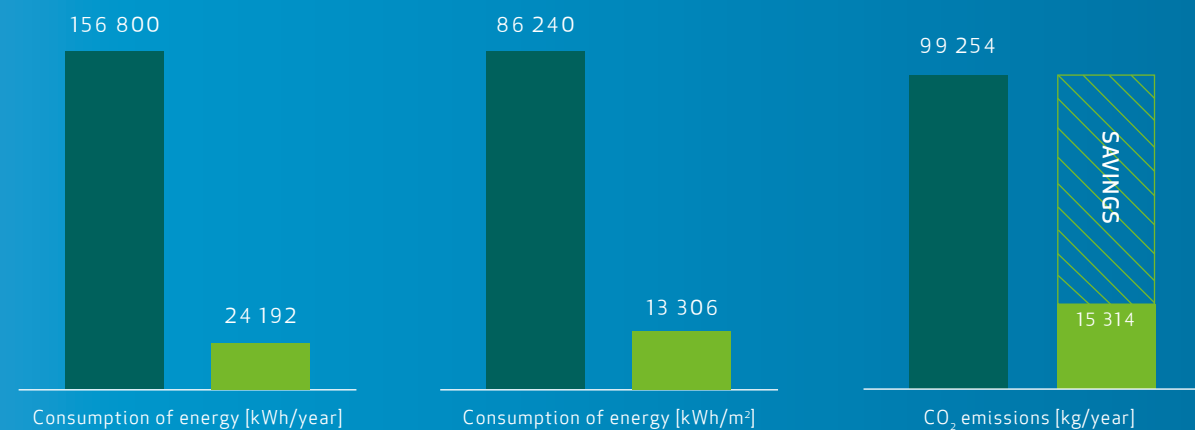
HIGHBAY 400W

42 pcs.

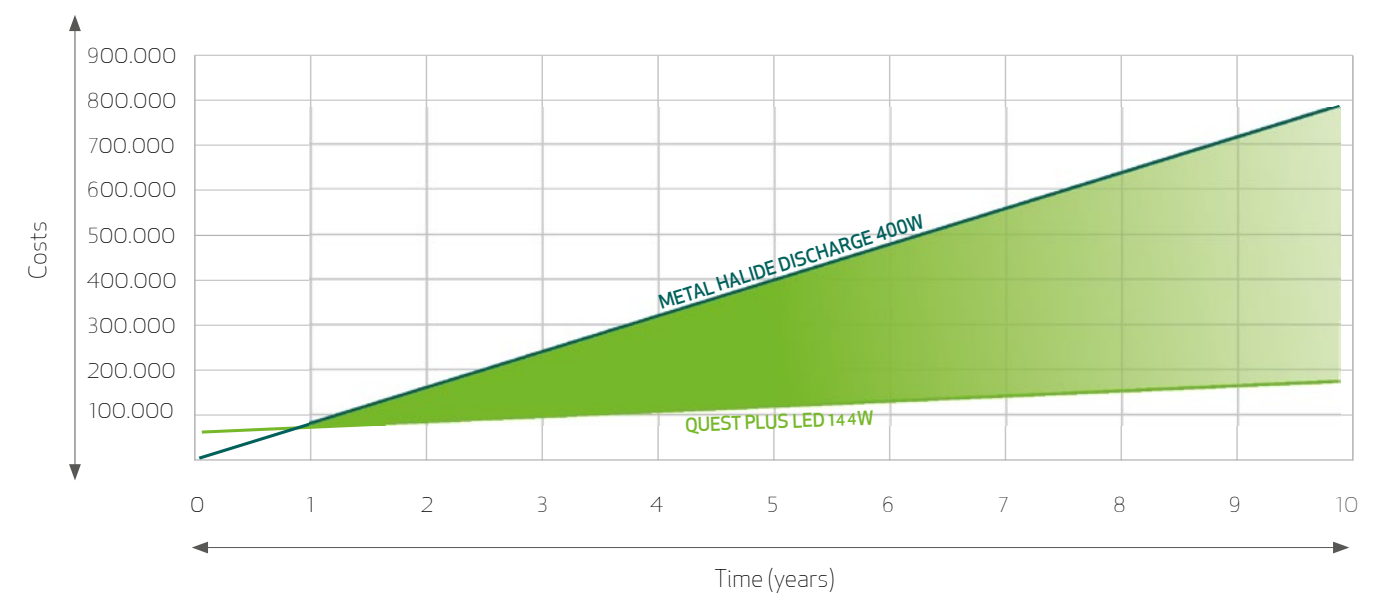
QUEST PLUS LED HB 144W

Comparison of cost, energy consumption and CO₂ emissions

FLUORESCENT LED



Savings chart



The comparative analysis showed a lot of benefits from using LED fittings. According to the suggested project, there were 56 luminaires less, which resulted in significant savings of the costs of installation. Due to using QUEST PLUS LED HB, the costs were also decreased.

The effect was reached not only thanks to 85% lower power consumption but also because of minimizing the costs of maintenance (for example replacing metal halide discharge lamps) by using modern LED GO! light modules with long lifespan in LED options. The cost of purchasing QUEST PLUS LED HB is compensated by the reduction of electricity costs and the estimated time for return on investment witch is scheduled to less than 1 year. After this time the Investor will experience constant, dynamic profits' increase thanks to using LED luminaires.

The basic assumption of case study:

Time of lighting 16 hours per day; price for 10 kWh - 1,39 euro; the cost of the light sources on the basis of average market prices, frequency of replacing the light sources according to the lifespan.

85%
OF ENERGY SAVINGS



56
LESS LUMINAIRES

Employee safety and comfort

Industrial and warehouse halls are facilities where the type and quality of the light used is of particular importance. It is not only about the savings that can be achieved with a properly designed lighting, but also about the safety of people working there and their comfort.



Robust design



One of the keys to success of Lena Lighting S.A. is a high quality of our products. Since 2005, the company has been working under the ISO 9001:2000 Quality Management 2000. Our luminaires meet the highest international standards of certification, which translates into high reliability, long life and energy efficiency of our products.





Lighting design is on our side

The type of lighting and its arrangement require right selection in the design process. Each room has different lighting requirements, which is why it is important to meet them.

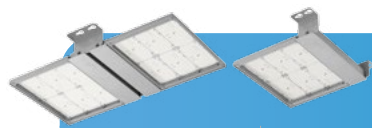
Engineers working in our design studio will prepare a project which meets all standards and guarantees comfort of use. The customer receives free consultancy and project documentation, guaranteeing the compliance with standards and high quality. The comprehensive project often includes a lighting control system, ensuring maximum energy savings during use.

We support our customers in the selection of the lighting concept, the products, as well as by preparing visualizations.

DIALux

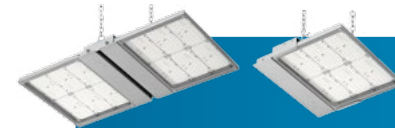
AUTODESK
REVIT

SOLIDWORKS



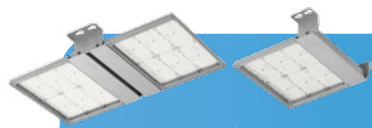
Quest Plus LED HB / surface mounting

Power [W]	Colour temperature [K]	Luminous flux [lm]	Beam angle [°]	DIMM DALI	Type	Dimensions (H/W/T) [mm]	EEL	Index
96	4000	14000	120	-	1xM	424x323x87	A+	559594
96	4000	14000	120	+	1xM	424x323x87	A+	567025
96	4000	13600	70	-	1xM	424x323x87	A+	567001
96	4000	13600	70	+	1xM	424x323x87	A+	567032
96	4000	13600	125x30	-	1xM	424x323x87	A+	567018
96	4000	13600	125x30	+	1xM	424x323x87	A+	567049
144	4000	21000	120	-	1xL	424x418x87	A++	559570
144	4000	21000	120	+	1xL	424x418x87	A++	567070
144	4000	20300	70	-	1xL	424x418x87	A++	567056
144	4000	20300	70	+	1xL	424x418x87	A++	567087
144	4000	20300	125x30	-	1xL	424x418x87	A++	567063
144	4000	20300	125x30	+	1xL	424x418x87	A++	567094
192	4000	28000	120	-	2xM	424x671x87	A+	559600
192	4000	28000	120	+	2xM	424x671x87	A+	567124
192	4000	27200	70	-	2xM	424x671x87	A+	567100
192	4000	27200	70	+	2xM	424x671x87	A+	567131
192	4000	27200	125x30	-	2xM	424x671x87	A+	567117
192	4000	27200	125x30	+	2xM	424x671x87	A+	567148
288	4000	42000	120	-	2xL	424x866x87	A++	559587
288	4000	42000	120	+	2xL	424x866x87	A++	567179
288	4000	40600	70	-	2xL	424x866x87	A++	567155
288	4000	40600	70	+	2xL	424x866x87	A++	567186
288	4000	40600	125x30	-	2xL	424x866x87	A++	567162
288	4000	40600	125x30	+	2xL	424x866x87	A++	567193



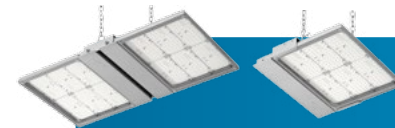
Quest Plus LED HB / suspended mounting

Power [W]	Colour temperature [K]	Luminous flux [lm]	Beam angle [°]	DIMM DALI	Type	Dimensions (H/W/T) [mm]	EEL	Index
96	4000	14000	120	-	1xM	428x323x45	A+	559426
96	4000	14000	120	+	1xM	428x323x45	A+	559617
96	4000	13600	70	-	1xM	428x323x45	A+	567209
96	4000	13600	70	+	1xM	428x323x45	A+	567223
96	4000	13600	125x30	-	1xM	428x323x45	A+	567216
96	4000	13600	125x30	+	1xM	428x323x45	A+	567230
144	4000	21000	120	-	1xL	428x418x45	A++	559402
144	4000	21000	120	+	1xL	428x418x45	A++	559440
144	4000	20300	70	-	1xL	428x418x45	A++	567247
144	4000	20300	70	+	1xL	428x418x45	A++	567261
144	4000	20300	125x30	-	1xL	428x418x45	A++	567254
144	4000	20300	125x30	+	1xL	428x418x45	A++	567278
192	4000	28000	120	-	2xM	424x671x51	A+	559433
192	4000	28000	120	+	2xM	424x671x51	A+	559563
192	4000	27200	70	-	2xM	424x671x51	A+	567285
192	4000	27200	70	+	2xM	424x671x51	A+	567308
192	4000	27200	125x30	-	2xM	424x671x51	A+	567292
192	4000	27200	125x30	+	2xM	424x671x51	A+	567315
288	4000	42000	120	-	2xL	424x866x51	A++	559419
288	4000	42000	120	+	2xL	424x866x51	A++	559457
288	4000	40600	70	-	2xL	424x866x51	A++	567322
288	4000	40600	70	+	2xL	424x866x51	A++	567346
288	4000	40600	125x30	-	2xL	424x866x51	A++	567339
288	4000	40600	125x30	+	2xL	424x866x51	A++	567353



Quest Plus LED HB ENDURA / surface mounting

Power [W]	Colour temperature [K]	Luminous flux [lm]	Beam angle [°]	Type	Dimensions (H/W/T) [mm]	EEL	Index
96	4000	14000	120	1xM	424x323x87	A+	559679
96	4000	13600	70	1xM	424x323x87	A+	559693
96	4000	13600	125x30	1xM	424x323x87	A+	559709
144	4000	21000	120	1xL	424x418x87	A++	559655
144	4000	20300	70	1xL	424x418x87	A++	559716
144	4000	20300	125x30	1xL	424x418x87	A++	559723
192	4000	28000	120	2xM	424x671x87	A+	559686
192	4000	27200	70	2xM	424x671x87	A+	559730
92	4000	27200	125x30	2xM	424x671x87	A+	559747
288	4000	42000	120	2xL	424x866x87	A++	559662
288	4000	40600	70	2xL	424x866x87	A++	559754
288	4000	40600	125x30	2xL	424x866x87	A++	559761



Quest Plus LED HB ENDURA / suspended mounting

Power [W]	Colour temperature [K]	Luminous flux [lm]	Beam angle [°]	Type	Dimensions (H/W/T) [mm]	EEL	Index
96	4000	14000	120	1xM	428x323x81	A+	559631
96	4000	13600	70	1xM	428x323x81	A+	559778
96	4000	13600	125x30	1xM	428x323x81	A+	559785
144	4000	21000	120	1xL	428x418x81	A++	559501
144	4000	20300	70	1xL	428x418x81	A++	559792
144	4000	20300	125x30	1xL	428x418x81	A++	559808
192	4000	28000	120	2xM	424x671x89	A+	559648
192	4000	27200	70	2xM	424x671x89	A+	559815
92	4000	27200	125x30	2xM	424x671x89	A+	559822
288	4000	42000	120	2xL	424x866x89	A++	559518
288	4000	40600	70	2xL	424x866x89	A++	559839
288	4000	40600	125x30	2xL	424x866x89	A++	559846

Quest Plus LED HB RCR / suspended mounting

Power [W]	Colour temperature [K]	Luminous flux [lm]	Beam angle [°]	Motion sensor	Type	Dimensions (H/W/T) [mm]	EEL	Index
96	4000	14000	120	+	1xM	428x334x115	A+	559525
144	4000	21000	120	+	1xL	428x429x115	A++	559532
192	4000	28000	120	+	2xM	424x671x121	A+	559549
288	4000	42000	120	+	2xL	424x866x121	A++	559556

Quest Plus LED / „L” type

Power [W]	Colour temperature [K]	Luminous flux [lm]	Beam angle [°]	Dimensions (H/W/T) [mm]	EEL	Index
70	4000	11000	asymmetric ASN	396/447/35	A++	558702
70	4000	11000	asymmetric ASW	396/447/35	A++	558726
70	4000	11350	120°	396/447/35	A++	558689
97	4000	14800	asymmetric ASN	396/447/35	A++	558948
97	4000	14800	asymmetric ASW	396/447/35	A++	558962
97	4000	15100	120°	396/447/35	A++	558924
144	4000	20300	asymmetric ASN	396/447/35	A+	559303
144	4000	20300	asymmetric ASW	396/447/35	A+	559327
144	4000	21000	120°	396/447/35	A++	559280

Quest Plus LED / „M” type

Power [W]	Colour temperature [K]	Luminous flux [lm]	Beam angle [°]	Dimensions (H/W/T) [mm]	EEL	Index
23	4000	3600	asymmetric ASN	300/447/32	A++	557149
23	4000	3600	asymmetric ASW	300/447/32	A++	557163
23	4000	3750	120°	300/447/32	A++	557125
35	4000	5300	asymmetric ASN	300/447/32	A+	557507
35	4000	5300	asymmetric ASW	300/447/32	A+	557521
35	4000	5500	120°	300/447/32	A+	557484
48	4000	6800	asymmetric ASN	300/447/32	A+	557743
48	4000	6800	asymmetric ASW	300/447/32	A+	557767
48	4000	7000	120°	300/447/32	A++	557729
58	4000	9300	asymmetric ASN	300/447/32	A++	557989
58	4000	9300	asymmetric ASW	300/447/32	A++	558009
58	4000	9500	120°	300/447/32	A++	557965
61	4000	9000	asymmetric ASW	300/447/32	A++	660429
71	4000	10600	asymmetric ASN	300/447/32	A+	558221
71	4000	10600	asymmetric ASW	300/447/32	A+	558245
71	4000	11000	120°	300/447/32	A+	558207
96	4000	13600	asymmetric ASN	300/447/32	A+	558467
96	4000	13600	asymmetric ASW	300/447/32	A+	558481

Accessories



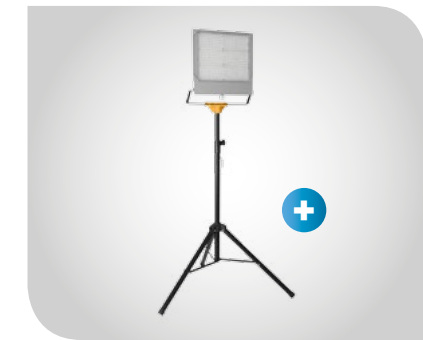
POLE MOUNTING
559921 - QUEST PLUS LED M i L



BOOM MOUNTING
559938 - QUEST PLUS LED M/L - 1020 mm (length)



PROTECTIVE GRID



FUTURE STAND TRIPOD
000737 - with Click Head system

Index	Type	Dimensions (H/W/T) [mm]
High Bay - suspended mounting		
559952	QUEST PLUS LED HB 1xM	428/230/46
559945	QUEST PLUS LED HB 1xL	428/322/46
559907	QUEST PLUS LED HB 2xM	428/230/46
559914	QUEST PLUS LED HB 2xL	428/322/46
High Bay - surface mounting		
559907	QUEST PLUS LED M	428/230/46
559914	QUEST PLUS LED L	428/322/46
Floodlight		
559907	QUEST PLUS LED M	428/230/46
559914	QUEST PLUS LED L	428/322/46

CE | ALL OUR PRODUCTS MEET EUROPEAN STANDARDS


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Date of publication: 17.10.2019



We are here for You

In order to get more detailed information about distribution, products and prices please contact our employees responsible for Your area.

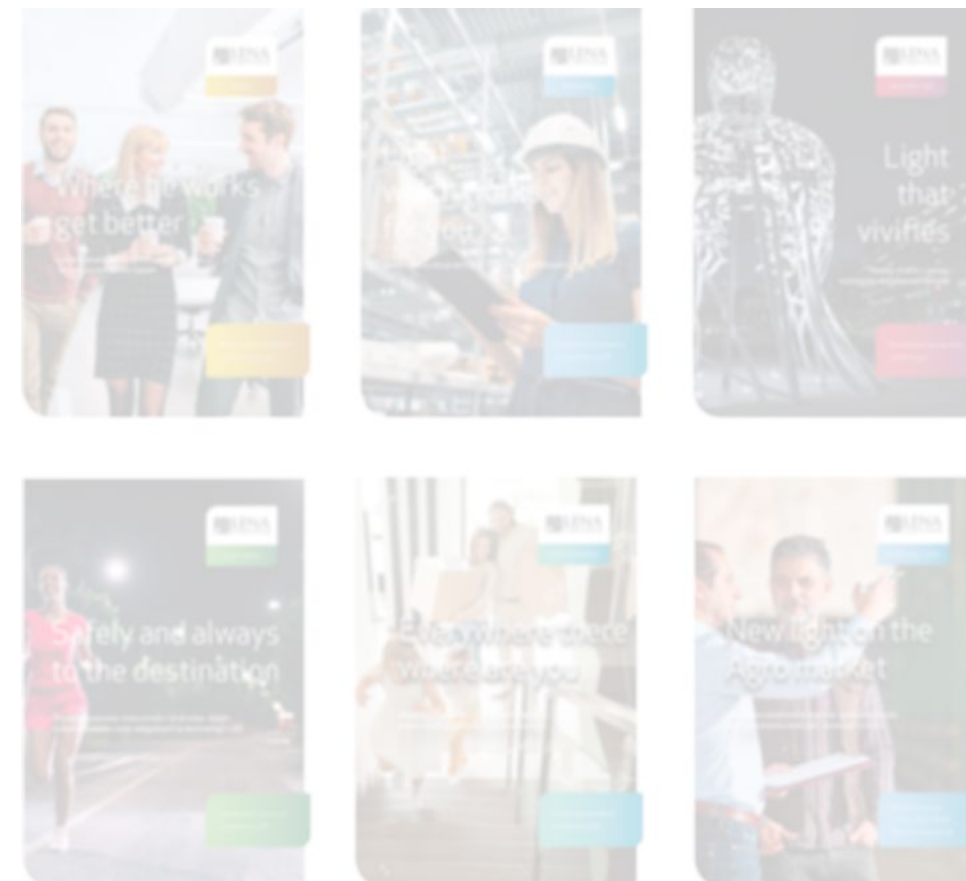
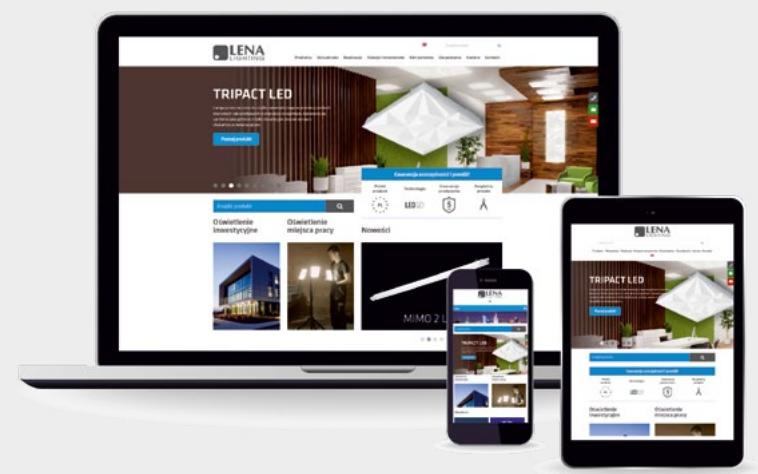
 www.lenalighting.pl/en/contact/sales-department



Lena Lighting S.A.
ul. Kórnicka 52
63-000 Środa Wielkopolska
POLAND
tel. +48 (61) 28 60 300
e-mail: office@lenalighting.pl
www.lenalighting.pl/en

Much more to discover..

Due to the limited number of pages, we could not include in this release all the information we would like to share with you. That is why a number of booklets dedicated to various applications has been created to present the offer versatility. We encourage you to take full advantage of them. Do you need personalized information? Do not hesitate to contact us. You are also welcome to visit our website www.lenalighting.pl/en



Coming soon...

We are working on a set of folders presenting the complete offer of our LED lighting divided into main segments: OFFICE, INDUSTRY, ARCHITECTURE, STREETS AND ROADS, REAL ESTATE and PUBLIC USE. We will distinguish them by color division to make the message more consistent and give a new expression to our offer.

www.lenalighting.pl/en

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Lena Lighting S.A.
ul. Kornicka 52
63-000 Środa Wielkopolska
tel. +48 (61) 28 60 300
e-mail: office@lenalighting.pl

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