



LUMEN

L I G H T S

LED 21



Analysis of costs, efficiency of lighting systems and energy savings



Energy saving and lighting professional consultancy



Ensuring financing for lighting systems reconstruction



Engineering, technical project studies



Ensuring lighting systems and wiring installation



Technical calculations, lighting measurements, lighting systems measurements



Computer programming regarding intelligent lighting



Revisions, designs and projects of new lighting systems and intelligent lighting

SALES DEPARTMENT

Martin Stržínek

Business Manager

+420 724 290 593

strzinek@el-lumen.cz

Ing. Pavla Fischbachová

Sales Manager

+420 581 699 414

fischbachova@el-lumen.cz

Jakub Skokan

Project Manager & Export SK

+420 778 726 027

skokan@el-lumen.cz

Zdeněk Čadra

Project Manager

+420 775 443 270

cadra@el-lumen.cz

Aleš Sova

Project Manager

+420 778 775 092

sova@el-lumen.cz

Bc. Jiří Brušík

Project Manager

+420 771 172 522

brustik@el-lumen.cz



LUMEN LIGHTS

We're a Czech company with 28 years' experience in the development of interior and exterior lighting. The quality of our light is verified by demanding customer requirements and evaluated by excellent references.

Our values and history

We design, develop and manufacture luminaires for industry, administrative units, offices, retail warehouses and stores, health care, education, we carry out lighting for roads, pavements as well as pedestrian zones or sports grounds. Our main objectives include increasing the energy efficiency of lighting and reducing the energy intensity of lighting systems. We make certain that the products fit suitably into the interior and exterior and co-create ergonomic and ecological units.

Czech LED lighting manufacturer

The production capacities of ELEKTRO-LUMEN, s. r. o. achieve high efficiency and quality, rated by a number of international design prizes. We guarantee our customers a Czech solution based on continuous research and innovation. Of course, there's customer warranty and post-warranty service and always an individual approach. ELEKTRO-LUMEN technology can be found at the most important companies in the Czech Republic as well as abroad.



TABLE OF CONTENTS

6	Industrial production premises	20	Wooden lamps
8	Warehouses and aisles	22	Sport
10	Schools	24	Public lighting
12	Healthcare	27	Parks and pedestrian
14	Offices	30	Special luminaires
16	Architecture	34	Emergency lights

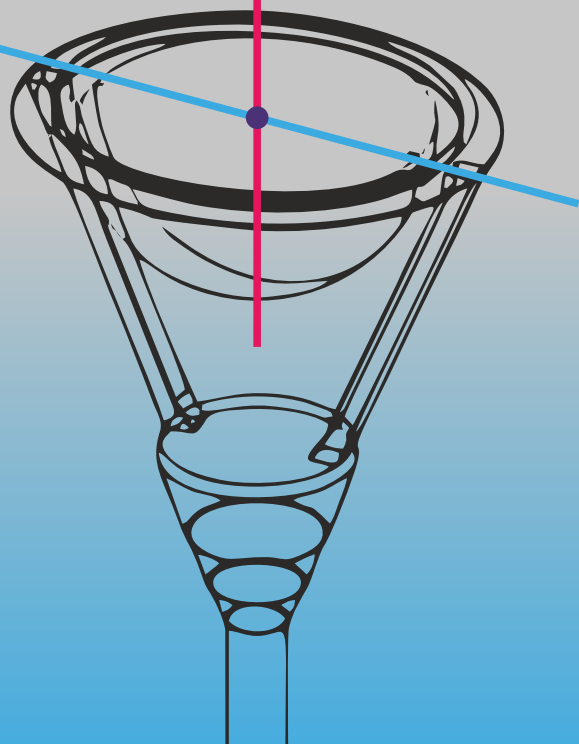
Support for designers, architects and builders

MENAKA
OBERON
SURYA
FULL MOON
HAMSA
NARA
SOMA S
RAVI
IRIS
MARUT S
MARUT L

Building Information Modelling is a modern, intelligent process for creating and managing model-based projects. It facilitates information exchanges in the process of project design, construction and use of the building. At the same time, it offers project management faster, more economically and with better supervision of individual technologies. It enables better, more informed decision-making and breaks down obstacles in construction processes.

The offer of BIM models for selected series of luminaires can now be downloaded for individual luminaires or as an archive file in the "SUPPORT" section.

el-lumen.cz/bim-objects



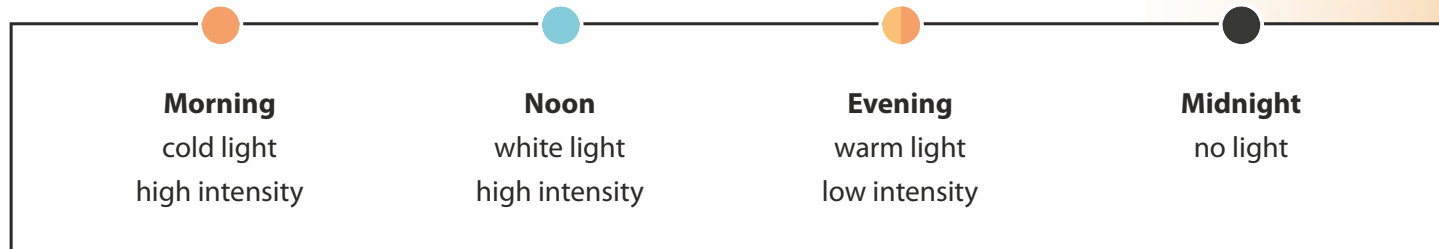


HUMAN CENTRIC LIGHTING

It supports circadian rhythms in the human body. These have a major impact on our health, well-being and productivity. The change in chromaticity temperature at different hours creates natural conditions to support the body's internal rhythms. Circadian rhythm is a biological rhythm that controls the timing of various activities during the day. Depending on the surrounding conditions, it sets the body to rest or high performance. Therefore, the right period affects alertness and increases the organism's productivity.

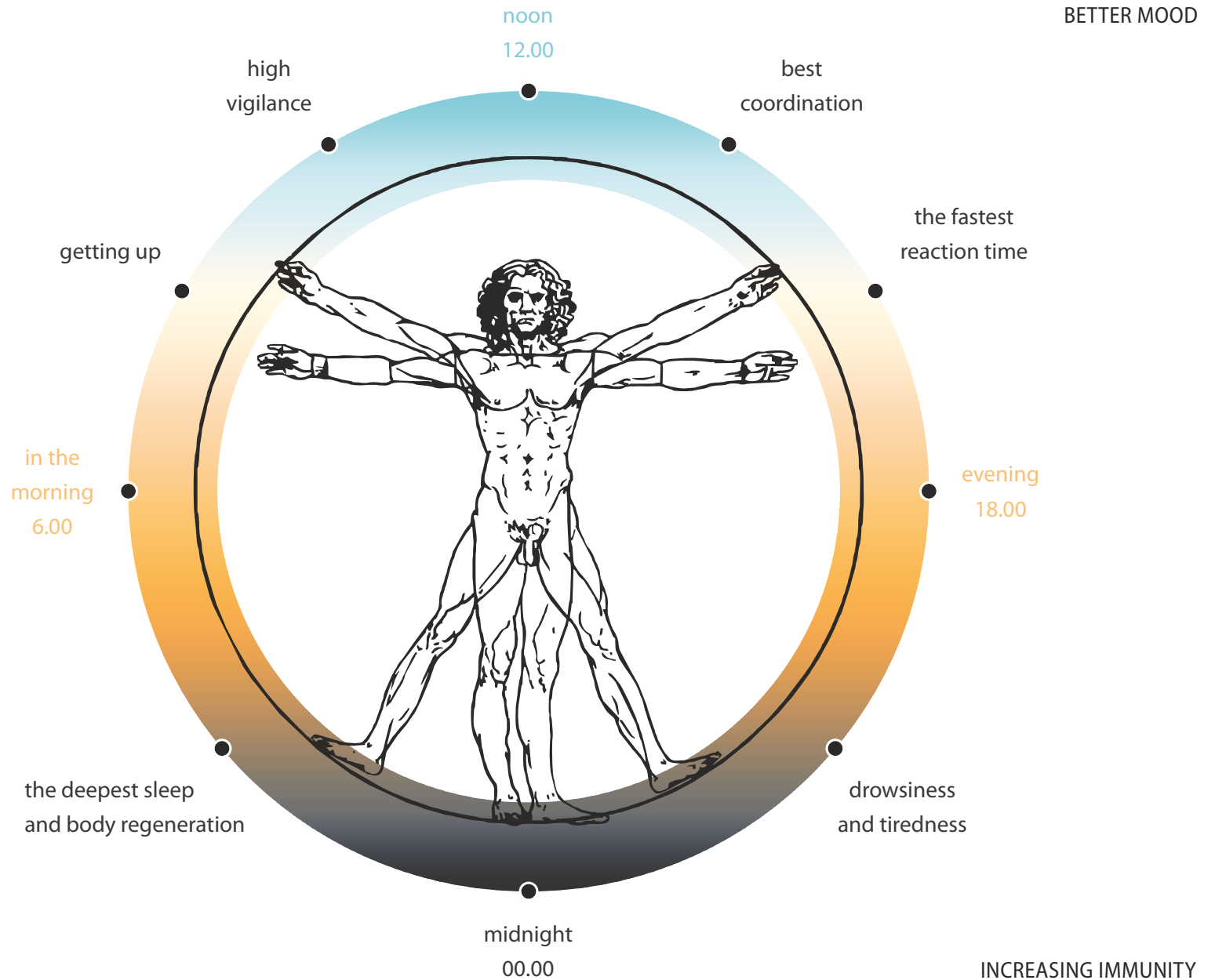
It's particularly justified in offices, schools, kindergartens, hospitals or retirement homes. However, it can also be applied in industrial or agricultural buildings. The use of this technology is very extensive and we are able to offer it to you in all our products. We offer a durable system with pleasant added value, which can brighten the mind and mental health of the user.

Recommended chromaticity temperature and light intensity settings during the day...



MORE ENERGY

BETTER MOOD

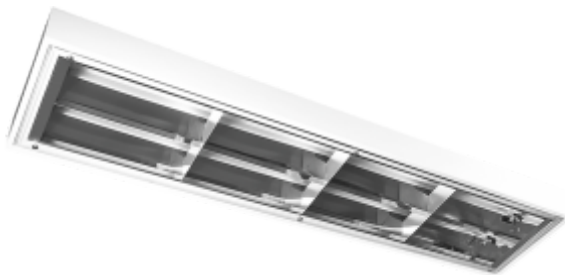


BETTER SLEEP

INCREASING IMMUNITY

**Industrial
production
premises**

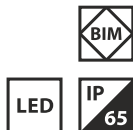




SURYA

Industrial LED luminaire with optical system for low and high spaces equipped with tempered glass.

Housing	powder-coated steel sheet
Cover	safety glass, safety glass with foil
Power	50—244 W
Luminous flux	8,800—41,200 lm
Service life	70,000 hrs. (L80B50)
Mounting type	suspension / surface mounted



GURU

Highly efficient, long-life LED luminaire for a wide range of applications.

Housing	powder-coated steel sheet
Cover	safety glass
Power	50—435 W
Luminous flux	10,900—60,000 lm
Service life	100,000 hrs. (L80B10)
Mounting type	suspension / surface mounted



MENAKA 54 G2

Quick-mounting LED strip system with higher IP 54 protection, ideal for lighting industrial spaces and interiors.

Housing	powder-coated steel sheet
Cover	coated sheet PMMA optics
Power	25—68 W
Luminous flux	4,000—11,300 lm
Service life	70,000 hrs. (L80B50)
Mounting type	suspension / surface mounted



MENAKSI 54 G2

Industrial LED luminaire with higher IP 54 protection, can be surface mounted or suspended.

Housing	powder-coated steel sheet
Cover	coated sheet, PMMA optics
Power	36—84 W
Luminous flux	6,100—14,100 lm
Service life	72,000 hrs. (L80B10)
Mounting type	suspension / surface mounted



A low-angle, upward-looking photograph of a modern industrial ceiling. The ceiling features a grid of recessed LED light fixtures, each containing a dense array of small, bright white LEDs. The fixtures are mounted on a dark grey metal track system. The perspective creates strong diagonal lines across the frame, emphasizing the depth and structure of the ceiling. The lighting is bright and even, highlighting the metallic surfaces and the grid pattern.

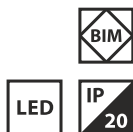
Warehouses and aisles



MENAKA G2

Quick-assembly LED strip system ideal for lighting industrial spaces and interiors.

Housing	powder-coated steel sheet
Cover	coated sheet, PMMA optics
Power	25—123 W
Luminous flux	4,000—21,600 lm
Service life	60,000 hrs. (L80B20)
Mounting type	suspension / surface mounted



MENAKSI G2

Industrial LED luminaire with a peak output of up to 147 lm/W from a luminaire, can be surface mounted or suspended.

Housing	galvanised sheet
Cover	galvanised sheet, PMMA optics
Power	25—84 W
Luminous flux	4,000—14,100 lm
Service life	60,000 hrs. (L80B20)
Mounting type	suspension / surface mounted



OBERON L2

Dustproof LED luminaire with high specific power.

Housing	glass fibre-filled polyester
Cover	diffuser
Power	15—74 W
Luminous flux	2,000—11,800 lm
Service life	dle variant
Mounting type	suspension / surface mounted



HARI

Industrial high-efficiency LED luminaire with a long service life for a wide range of applications.

Housing	aluminium, PC
Cover	safety glass
Power	72—134 W
Luminous flux	12,500—22,900 lm
Service life	92,000 hrs. (L80B50)
Mounting type	suspension / surface mounted



Schools

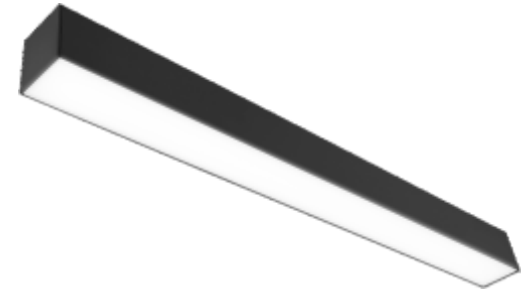
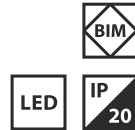
S i t a



NARA G1

Interior LED luminaire, can be surface mounted or suspended.

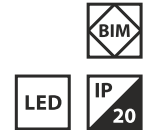
Housing	powder-coated steel sheet
Cover	opal (DPO), microprisma (DMPP)
Power	12—67 W
Luminous flux	1,700—9,000 lm
Service life	70,000 hrs. (L80B50)
Mounting type	suspension / surface mounted



RAVI

Interior LED luminaire for a wide range of uses, can be surface mounted or suspended, produced in variable lengths and with the option of connection to groups.

Housing	aluminium profile
Cover	opal (DQO)
Power	10—65 W
Luminous flux	1,400—9,600 lm
Service life	50,000 hrs. (L80B50)
Mounting type	suspension / surface mounted



SITA

Asymmetric LED luminaire designed to illuminate boards.

Housing	powder-coated steel sheet
Cover	PMMA optics
Power	24—42 W
Luminous flux	3,800—6,000 lm
Service life	50,000 hrs. (L80B50)
Mounting type	suspension / surface mounted



VARUNA G2

Interior LED luminaire designed for ceiling mounting.

Housing	powder-coated steel sheet
Cover	opal (DPO), microprisma (DMPP)
Power	13—49 W
Luminous flux	2,300—8,000 lm
Service life	80,000 hrs. (L80B20)
Mounting type	surface mounted



Healthcare

Hospitals and smaller clinics need quality lighting to ensure professional work from staff and the patient's adequate recovery.



JUNO

Interior LED ceiling light for general use.

Housing	aluminum casting
Cover	none
Power	15—36 W
Luminous flux	1,300—3,000 lm
Service life	50,000 hrs. (L80B50)
Mounting type	ceiling mounted



HAMSA 54 G2

Highly efficient LED luminaire with higher IP 54 protection designed for M600 or M625 ceilings with a large radiating surface and low glare.

Housing	powder-coated steel sheet
Cover	opal (DPO), microprisma (DMP)
Power	13—49 W
Luminous flux	2,300—8,000 lm
Service life	80,000 hrs. (L80B20)
Mounting type	M600/M625 ceiling mounted



TARA

LED luminaire for interior and exterior with IP 65 protection.

Housing	polycarbonate
Cover	opal diffuser
Power	23 W
Luminous flux	3,000 lm
Service life	30,000 hrs. (L80B50)
Mounting type	surface mounted



RONA 54

Industrial LED luminaire with IP 54 protection, also suitable for interiors.

Housing	painted aluminum
Cover	opal (DO), microprisma (DMP)
Power	10—57 W
Luminous flux	1,400—8,400 lm
Service life	60,000 hrs. (L80B10)
Mounting type	suspension / surface mounted



Offices





ANANTA

Interior LED luminaire with the possibility of direct and indirect light distribution.

Housing	powder-coated steel sheet
Cover	satin opal (DSO), opal (DPO), microprisma (DMPP)
Power	24—68 W
Luminous flux	3,800—8,200 lm
Service life	70,000 hrs. (L80B10)
Mounting type	suspension



HAMSA G2

Highly efficient LED luminaire designed for M600 or M625 ceilings with a large radiating surface and low glare.

Housing	powder-coated steel sheet
Cover	opal (DPO), microprisma (DMPP)
Power	13—49 W
Luminous flux	2,300—8,000 lm
Service life	80,000 hrs. (L80B20)
Mounting type	M600/M625 ceiling mounted, drywall mounted



HAMSA L G2

Highly efficient LED luminaire with a specific power of up to 154 lm/W designed for M600 ceilings.

Housing	powder-coated steel sheet
Cover	microprisma (DMP)
Power	13—49 W
Luminous flux	2,300—8,000 lm
Service life	80,000 hrs. (L80B20)
Mounting type	M600 ceiling mounted



SOMA S

Interior LED ceiling light manufactured in variable lengths.

Housing	aluminium profile
Cover	opal (DPO), microprisma (DMPP)
Power	10—65 W
Luminous flux	1,400—9,600 lm
Service life	80,000 hrs. (L80B20)
Mounting type	drywall mounted



Aluminium

architectural luminaires

V U L C A N O

F A M I L Y



Catalog name	Luminaire cover	Power	Luminous flux	Color temperature	Service life
FULL MOON	opal	18—146 W	2,960—22,270 lm	4,000 K	60,000 hrs.
RONDA	opal	36—152 W	5,910—22,610 lm	4,000 K	60,000 hrs.
ETNA	opal	19—320 W	2,400—38,400 lm	4,000 K	60,000 hrs.
SAKURA	opal	40—160 W	5,750—23,040 lm	4,000 K	60,000 hrs.
VESUV	opal	80—160 W	9,600—19,200 lm	4,000 K	60,000 hrs.
MERAPI	opal	80—160 W	9,600—19,200 lm	4,000 K	60,000 hrs.
ELBRUS	opal	40—120 W	5,750—11,510 lm	4,000 K	60,000 hrs.
COLIMA	opal	80—160 W	9,600—14,400 lm	4,000 K	60,000 hrs.
POPO	opal	25—50 W	3,600—7,200 lm	4,000 K	60,000 hrs.
GUFA	opal	20—40 W	2,870—7,190 lm	4,000 K	60,000 hrs.

Lacquered aluminum / matte – white color

Other shade – on request (RAL colors)

USE

Corridors, interiors, offices, commercial spaces, representative spaces, classrooms etc.

N.B. Optical and electrical parameters tolerance $\pm 10\%$



View the aluminum programme on the web



RECESSED

SURFACED

SUSPENDED

FREE-STANDING



FULL MOON



RONDA



ETNA



SAKURA



VESUV



RECESSED

SURFACED

SUSPENDED

FREE-STANDING



RECESSED	SURFACED	SUSPENDED	FREE-STANDING

MERAPI

ELBRUS

COLIMA

POPO

GUFA

MAN



Wooden lamps



MANU

Designed wooden LED luminaire for interiors and architectural projects.

Housing	massive oak
Cover	opal (DPO), microprisma (DMP)
Power	23—44 W
Luminous flux	3,400—6,400 lm
Service life	50,000 hrs. (L80B50)
Mounting type	suspension



MANU SQ

Designed wooden LED luminaire for interiors and architectural projects.

Housing	massive (oak/beek); brushed oak
Cover	opal (DPO)
Power	14—43 W
Luminous flux	1,450—5,200 lm
Service life	50,000 hrs. (L80B50)
Mounting type	suspension



WOODOO

Design wooden round LED luminaire with excellent light parameters, can be surface mounted or suspended.

Housing	massive oak
Cover	opal (DPO)
Power	69—126 W
Luminous flux	11,900—21,100 lm
Service life	50,000 hrs. (L90B10)
Mounting type	suspension



WOODSTOCK

Design wooden LED luminaire designed for M600/M625 ceilings.

Housing	wood frame, powder-coated sheet
Cover	opal (DPO), microprisma (DMPP)
Power	13—49 W
Luminous flux	2,300—8,000 lm
Service life	80,000 hrs. (L80B20)
Mounting type	M600/M625 ceiling mounted, drywall mounted





Sport



SAVITA G1

Asymmetric LED luminaire designed primarily for sports fields.

Housing	powder-coated steel sheet
Cover	protective lattice
Power	143—171 W
Luminous flux	25,300—30,900 lm
Service life	50,000 hrs. (L80B50)
Mounting type	suspension / surface mounted



SURYA G

LED luminaire with grille protection designed primarily for sports fields.

Housing	powder-coated steel sheet
Cover	protective lattice
Power	158—242 W
Luminous flux	26,000—41,200 lm
Service life	50,000 hrs. (L80B50), 90,000 hrs. (L70B50)
Mounting type	suspension / surface mounted



MAYA

LED luminaire with polycarbonate diffuser with high luminous flux for the M600 ceiling.

Housing	powder-coated steel sheet
Cover	polycarbonate diffuser
Power	86—240 W
Luminous flux	12,900—35,600 lm
Service life	58,000 hrs. (L80B50), 90,000 hrs. (L70B50)
Mounting type	600 × 600 (6) / 1200 × 600 (12) ceiling mounted



NITYA

Highly efficient, long-life LED reflector for a wide range of applications.

Housing	aluminum casting
Cover	safety glass (IK 9)
Power	70—400 W
Luminous flux	8,000—47,600 lm
Service life	60,000 hrs. (L70B50)
Mounting type	mounting bracket



Public lighting

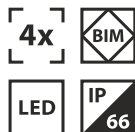




MARUT G1

Modern outdoor LED luminaire for public lighting with integrated overvoltage protection and adjustable joint.

Housing	aluminum casting
Cover	tempered glass
Power	5—309 W
Luminous flux	1,000—34,600 lm
Service life	100,000 hrs. (L90B10)
Mounting type	pole or boom mounted (48—76 mm)



SHANTA

Modern outdoor LED luminaire for public lighting with integrated overvoltage protection and adjustable joint.

Housing	aluminum casting
Cover	tempered glass
Power	14—169 W
Luminous flux	2,000—22,000 lm
Service life	100,000 hrs. (L90B10)
Mounting type	pole or boom mounted (48—76 mm)



MARUT ZL/ZP

Modern outdoor LED luminaire for public lighting with integrated overvoltage protection and adjustable joint $\pm 10^\circ$ designed for lighting pedestrian crossings.

Housing	aluminum casting
Cover	tempered glass
Power	47—113 W
Luminous flux	6,000—16,000 lm
Service life	100,000 hrs. (L90B10)
Mounting type	pole or boom mounted (48—60 mm)



GUNA

Suspended LED cable luminaire for public lighting.

Housing	aluminum casting
Cover	tempered glass
Power	53—97 W
Luminous flux	7,000—12,000 lm
Service life	100,000 hrs. (L90B10)
Mounting type	rope mounting / suspension

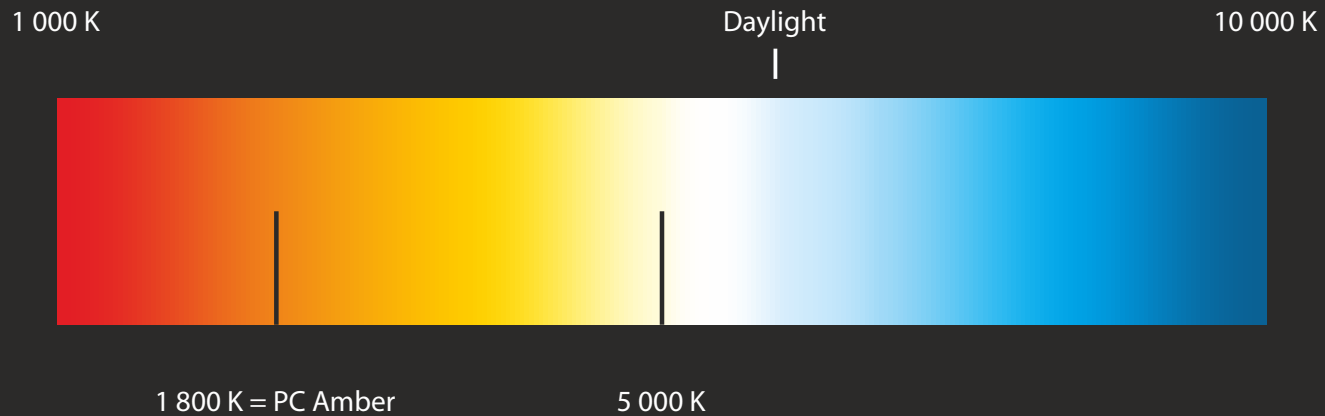




Do you know that we can do biodynamic lighting?

The negative effect of blue light on living organisms during the night has already been proven by several studies. It's possible to use dynamic white luminaires to reduce the proportion of the blue component. Changing the chromaticity temperature during the night will allow traffic to be lit at a chromaticity temperature of 4,000 K and up to 1,800 K in other hours at increased traffic volumes (e.g. until 10 pm and from 4 am).

In this way, it's possible to reduce blue light emissions during the night.





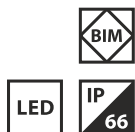
Parks and pedestrian

Solar lamp

IRIS

Modern LED park luminaire for public lighting with integrated surge protection.

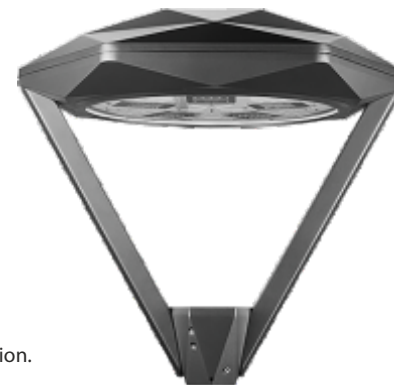
Housing	aluminum casting
Cover	tempered glass
Power	21—70 W
Luminous flux	3,000—9,000 lm
Service life	100,000 hrs. (L90B10)
Mounting type	pole mounted (48—60 mm)



KUBE

Modern LED park luminaire for public lighting with integrated surge protection.

Housing	aluminum casting
Cover	tempered glass
Power	21—70 W
Luminous flux	3,000—9,000 lm
Service life	100,000 hrs. (L90B10)
Mounting type	pole mounted (48—60 mm)



URBIS

Modern LED park luminaire for public lighting with integrated surge protection.

Housing	aluminum casting
Cover	tempered glass
Power	21—49 W
Luminous flux	3,000—5,000 lm
Service life	100,000 hrs. (L90B10)
Mounting type	pole mounted (48—60 mm)



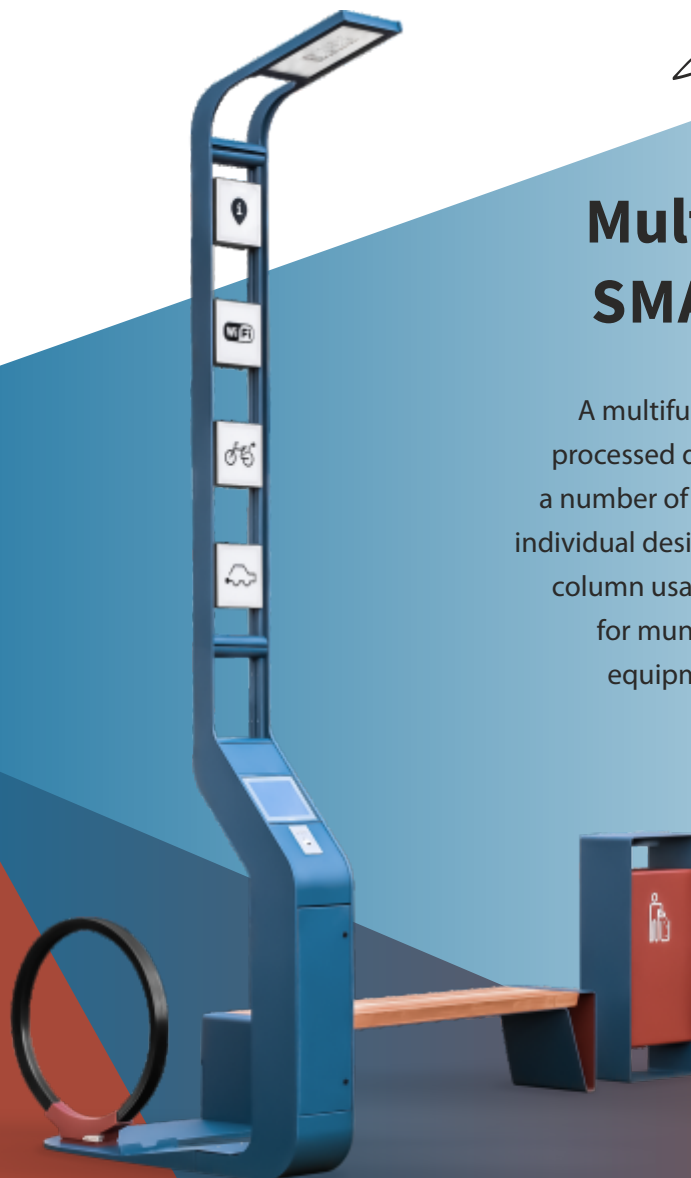
HASSTA

Modern LED park luminaire for public lighting in municipalities, cities, squares, parks or pedestrian zones.

Housing	aluminum casting
Cover	tempered glass
Power	14—70 W
Luminous flux	2,000—9,000 lm
Service life	100,000 hrs. (L90B10)
Mounting type	pole mounted (48—60 mm)



4,1 m



LUMEN
SMART

Multifunctional SMART column

A multifunctional column is a design-processed device, which is equipped with a number of communication elements in its individual designs. The base is a multifunctional column usable as an information element for municipalities, bike paths, park equipment and recreation areas.



Find out more
el-lumen.cz/smart-city-en

Special luminaires

Anti-vandal lights

DURGA
AREST

Railway lighting

PERON

Paint quality check

MANTRA

Disinfection radiatore

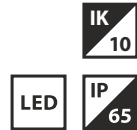
GERMIN



DURGA

Anti-vandal LED luminaire designed for areas with a high risk of damage.

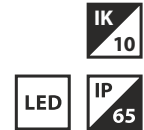
Housing	powder-coated steel sheet
Cover	glass diffuser, opal
Power	20—101 W
Luminous flux	3,100—17,800 lm
Service life	70,000 hrs. (L80B50)
Mounting type	surface mounted / corner mounted



AREST

Anti-vandal LED luminaire designed for areas with a high risk of damage.

Housing	powder-coated steel sheet
Cover	UV stabilized polycarbonate
Power	6—50 W
Luminous flux	1,100—7,500 lm
Service life	50,000 hrs. (L80B50)
Mounting type	surface mounted



MANTRA

Special LED luminaire designed for surface quality control.

Housing	powder-coated steel sheet
Cover	safety glass
Power	55—138 W
Luminous flux	9,800—23,000 lm
Service life	60,000 hrs. (L80B50)
Mounting type	suspension / surface mounted



PERON

Special LED luminaire designed for railways with an optical system for low spaces equipped with tempered glass.

Housing	powder-coated steel sheet
Cover	safety glass
Power	18—80 W
Luminous flux	2,600—8,800 lm
Service life	60,000 hrs. (L80B20)
Mounting type	suspension / surface mounted / flush mounting





GERMIN

Disinfection equipment using UVC radiation technology, designed to disinfect air and surfaces.

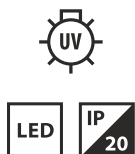
Housing	stainless steel sheet
Cover	brushed stainless steel
Weight	1,9 kg
Power	62 W
Efficiency	99,9 %
Mounting type	9,000 hrs.



GERMIN TUBE

Mobile disinfection device using UVC radiation technology, designed to disinfect air.

Housing	galvanised sheet; stainless steel (on request)
Weight	23,0 kg
Power	344 W
Efficiency	99,9 %
Service life	9,000 hrs.
Mounting type	suspension / surface mounted



GERMIN PRACTIC

Mobile disinfection device using UVC radiation technology, designed to disinfect air.

Housing	stainless steel sheet
Cover	brushed stainless steel
Weight	6,5 kg
Power	93 W
Efficiency	99,9 %
Mounting type	9,000 hrs.



GERMIN MOBILE

Disinfection equipment using UVC radiation technology, designed to disinfect air and surfaces.

Housing	stainless steel sheet
Cover	brushed stainless steel
Weight	18,4 kg
Power	188 W
Efficiency	99,9 %
Mounting type	9,000 hrs.





EFFICIENCY
99.9 %





**Emergency
lights**



ELMOS

Emergency LED luminaire with a long service life designed for emergency lighting designed in open spaces.

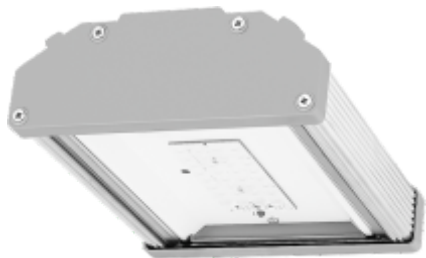
Safe Mode	NM, M
Autonomy	1 hrs., 3 hrs.
Execution	ST, AT, CB
Mounting type	suspension / surface mounted



ELVA

Emergency recessed LED luminaire with a long service life designed for emergency lighting in open spaces.

Safe Mode	NM, M
Autonomy	1 hrs., 3 hrs.
Execution	ST, AT, CB
Mounting type	ceiling mounted / surface mounted



MN UNI

Universal emergency LED module for industrial luminaires.

Safe Mode	NM, M
Autonomy	1 hrs., 3 hrs.
Execution	ST, AT, CB
Mounting type	attachment to the luminaire / suspension or surface mounted (on request)



DIONE 13 LED

Emergency LED luminaire for lighting open interior spaces.

Cover	polycarbonate
Safe Mode	NM
Autonomy	1 hrs., 3 hrs.
Execution	ST, AT, CB
Mounting type	surface mounted





ELBIT SU

Emergency LED luminaire with a long service life designed for emergency lighting of open spaces.

Safe Mode	NM, M
Autonomy	1 hrs., 3 hrs.
Execution	ST, AT, CB
Mounting type	surface mounted



ELTAL G1

Emergency LED luminaire with a long service life designed for emergency lighting designed in open spaces.

Safe Mode	NM, M
Autonomy	1 hrs., 3 hrs.
Execution	ST, AT, CB
Mounting type	ceiling mounted / suspension / surface mounted



ELDRA

Emergency LED luminaire with a long service life designed for emergency lighting designed in open spaces.

Safe Mode	NM, M
Autonomy	1 hrs., 3 hrs.
Execution	ST, AT, CB
Mounting type	ceiling mounted / surface mounted



DIONE 16 LED

Emergency LED light with pictogram.

Cover	polycarbonate
Safe Mode	NM, M
Autonomy	3 hrs.
Execution	ST
Mounting type	surface mounted



European awards for LUMEN LIGHTS

We check the quality of our products at international design competitions, where we're able to gain important points and experience among the strong competition of suppliers. Major awards include the German Design Award 2019.

The A'Design Award and Competition – BRONZE (2018)
European Product Design Awards – GOLD (2018)
German Design Award – GOLD (2019)





ELEKTRO–LUMEN, s. r. o.
Hranická 505,
753 61 Hranice IV
Czech Republic

T: +420 581 699 411
E: el-lumen@el-lumen.cz
W: www.el-lumen.cz
DataBox – yzz3me8

The company reserves the right to changes in technical data and typographical errors. Copyright © ELEKTRO–LUMEN, s. r. o. Data valid as of the date of printing of the catalog (December 2020). Current information can be found at www.el-lumen.cz.