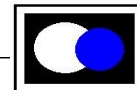
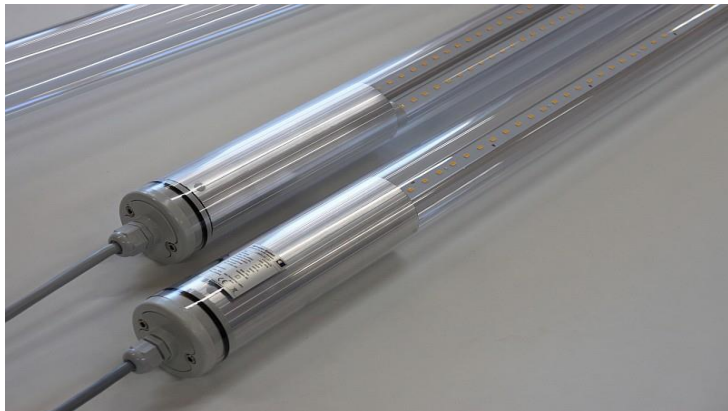


AS Led Lamp System



AS LED lighting system

LED lamp



CHARACTERISTICS:

A series of luminaires with LED light source dedicated to utility and industrial rooms in which high tightness and increased chemical resistance are required. Designed for use in specific environmental conditions.

USE:

Hen houses, goose houses, pig houses, rabbit houses, mushroom farms and all other farm buildings, assembly and production halls, warehouses, swimming pools, storage rooms, cold stores, bakeries, butchers, public utility facilities

EXECUTION:

Transparent polycarbonate (PC) casing closed with two expandable plugs made of glass fibre reinforced polycarbonate in light grey, plugs sealed with O-ring with NBR

MOUNTING ELEMENTS:

Stainless steel clamp /handle, fixed to the ceiling /wall or hook for hanging on the rope

GENERAL/ELECTRIC data

Rated voltage	230V +/-10% 50Hz
Power	21 or 34W
Luminaire efficiency	45%



This product contains a light source with energy efficiency class C



Light source (Module PL1-PL2-BN-3000)	2 or 4pcs led module
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Shelf life (L70B50)	80,000h at 25°C
	50,000h at 45°C

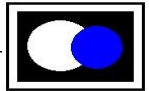
Operating temperature	-20 +45°C
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CERTIFICATES AND MARKINGS

Degree of protection (IP)	IP-68
Mechanical durability (IK)	IK-10
Insulation protection class	II
Light source protection	Yes/ (option)
CE	Yes
RoHs	Yes

Possibility of smooth current control lighting from 0 to 100%





VARIETIES

Type	Brightness adjustment *	LED mod. qty.	LED power [W]	Luminaire power [W]	Efficiency [lm/W]	Luminaire flux [lm]	Colour temperature [K]	CRI [Ra]	Dimensions [mm] L H Ø	Angle of distribution n°	Weight [kg]
LD2XBC	on/off	2	18,5	21	144	3023	3000	>80	1510x70	120	1,6
LD2XBZ	on/off	2	18,5	21	147	3083	4000	>80	1510x70	120	1,6
LD2XBZ	on/off	2	18,5	21	158	3325	6500	>80	1510x70	120	1,6
LD2XBCS	Yes	2	18,5	21	144	3023	3000	>80	1510x70	120	1,6
LD2XBNCS	Yes	2	18,5	21	144	3023	3000	>80	1510x70	120	1,6
Blue			4						1510x70		
LD2XBCZCS	Yes	2	18,5	21	144	3023	3000	>80	1510x70	120	1,6
Red			4						1510x70		
LD4XBC	on/off	4	30,5	34	149	5075	3000	>80	1510x70	120	1,8
LD4XBZ	on/off	4	30,5	34	152	5175	4000	>80	1510x70	120	1,8
LD4XBZ	on/off	4	30,5	34	163	5575	6500	>80	1510x70	120	1,8

* Current control in the range of 0-100% with the MS-1 controller

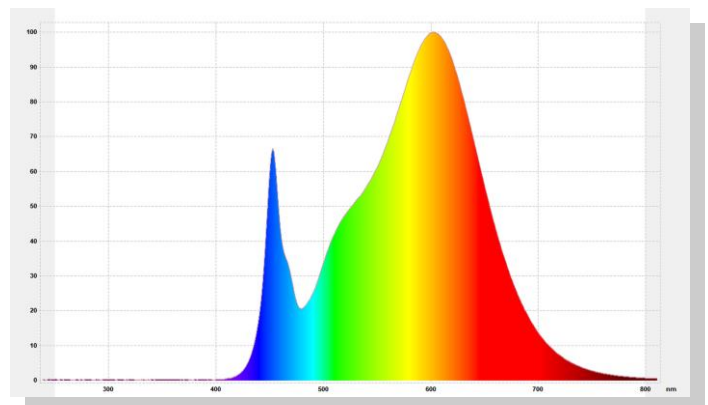
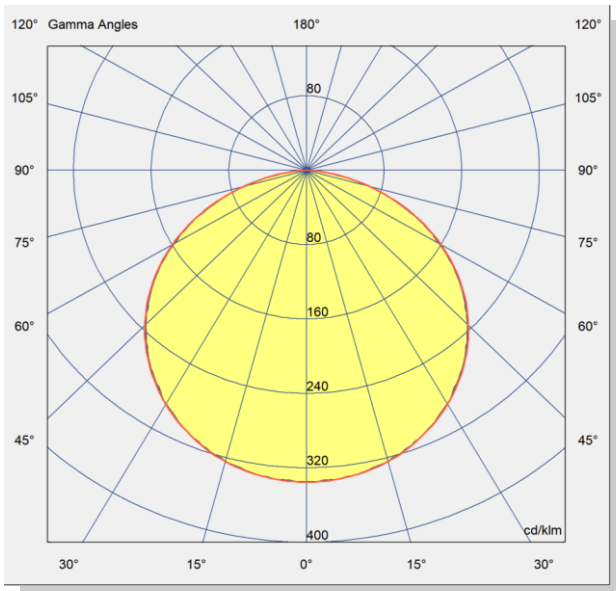
LAMP TYPE MARKING METHOD

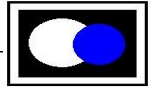
Example: **LD 2X B C S**

long lamp, 2 modules, white LED, warm light, dimmable

LD – long lamp
xX – quantity of LED modules
B – white led
N – blue led
CZ – red led
S – dimmable
C – warm light
Z – cold light

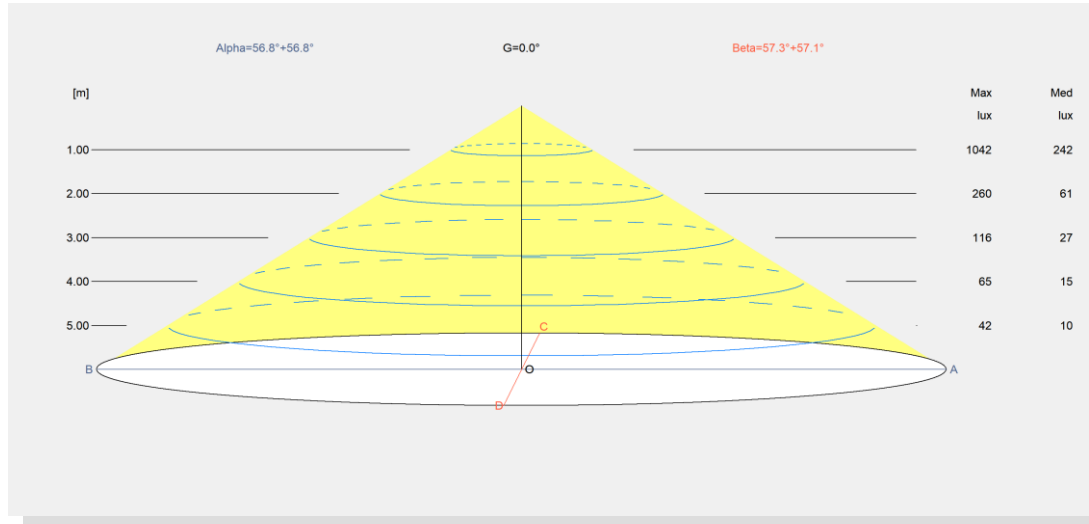
PHOTOMETRIC DATA





Indicative light intensity (Lx)

	Height		
	2m	3m	4m
Max	260 Lx	116 Lx	65 Lx



Beam for 21W / 3000K lamp

ELECTRICAL/SELECTED DATA

Input voltage	AC 230V +/-10% 50Hz
Supply current	91mA -21W / 148mA-34W
Output power	21 and 34W
Power supply power losses	<2.5W and 3.5W
Power factor (PF)	≥ 0.9
Luminaire efficiency	>45%
Power consumption in standby mode	<0.3W
LED operational voltage	22-24 V
Dimmable interface	MS-1, 0-100%
Wired communication	YES 2X1.5MM2
Overload protection	Automatically reversible
Protection against overheating	Automatically reversible

As LED Microprocessor Lamp Controller – MS-1



- The controller can operate in two modes:
- independently switches the lighting on and off (up to 10 cycles per day)
 - operates as a converter of analogue 0-10V signal to digital communication with lamps

TECHNICAL DETAILS

Supply voltage	12V DC	(from external power supply)
Maximum load current	1.25A	
Max. load current of the control output	300mA	
Dimmable interface	0-100%	
Number of digital control outputs	4	
Number of analog inputs 0-10V	2	
Max. number of lamps in one bus	60	
Maximum length of the bus cable	350m	
Wired communication	Yes	(bidirectional)
Type of communication cable	2x1.5mm ²	

