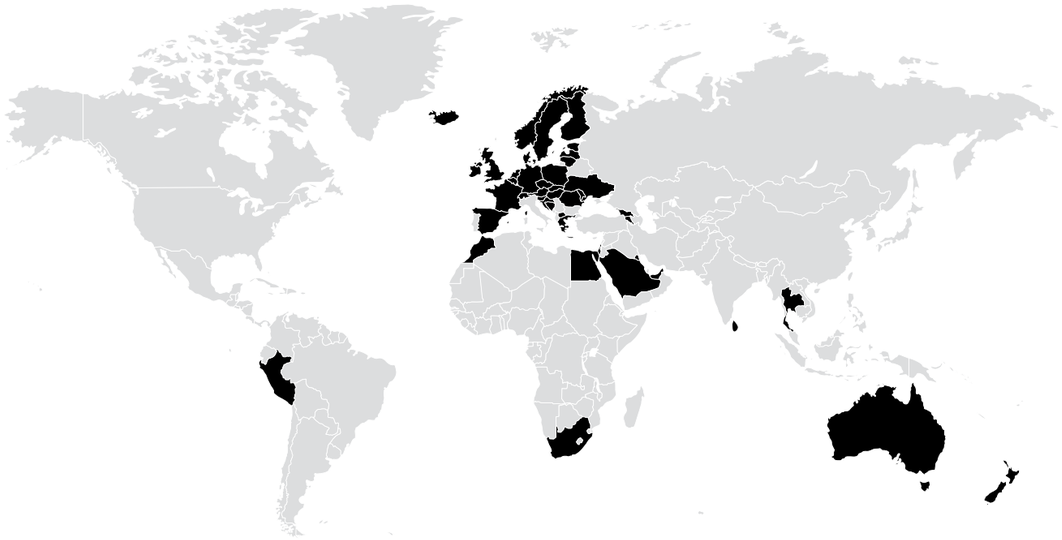
VIZULO

Exterior 2020

Content

About



VIZULO is a technology driven lighting producer with a focus on smart city concept development. Research and development of high-quality products are the priority of the company and the VIZULO engineering team has been formed as a result of great cooperation with Riga Technical University – a number of researchers holding a doctoral degree are employed in the company. Since its establishment in 2012, the company has grown rapidly – there are 100 people working today in VIZULO group and our lighting products are exported to 37 countries all over the world.

Armenia, Australia, Austria, Croatia, Czech Republic, Denmark, Egypt, Estonia, Finland, France, Georgia, Germany, Great Britain, Greece, Hungary, Iceland, Ireland, Israel, Lithuania, Moldova, Morocco, New Zealand, Norway, Peru, Poland, Saudi Arabia, Slovakia, Slovenia, South Africa, Spain, Sri Lanka, Sweden, Switzerland, Thailand, The Netherlands, Ukraine, United Arab Emirates.

Certificates

Coming soon

Awards

LIAA 2015 & 2016

The Investment and Development Agency of Latvia (LIAA) and the Ministry of Economics organise the annual Export and Innovation Award, celebrating the leading exporters and most innovative companies in Latvia.
Innovative product 2015 – 2nd place.
Industrial design 2016 – 3rd place.

Swedish business awards

Nomination - New entrepreneur.
The project aims to provide positive examples for international establishments and business development by highlighting the success of cooperation, emphasising innovativeness, outstanding business achievements and the importance of contributions to society.

“The Red Jackets 2017”

Export Excellence Award Winner.
The Red Jackets goal is to create the strongest export brand and identify what the Latvian export image currently is.

Electronical production line

VIZULO employs hi-tech automated electronic production lines – high speed surface mount technology line and selective soldering line. This gives a great flexibility in specific LED module development and custom made production just as possibility to produce any other electronics devices – like surge protection devices and different smart sensors.

Metal work division

Variety of metal working equipment have been installed in 2016 – large size CNC mill, sheet metal punching machine, sheet metal folding machine and other machines for indoor and outdoor luminaire production.

High speed powder coating line

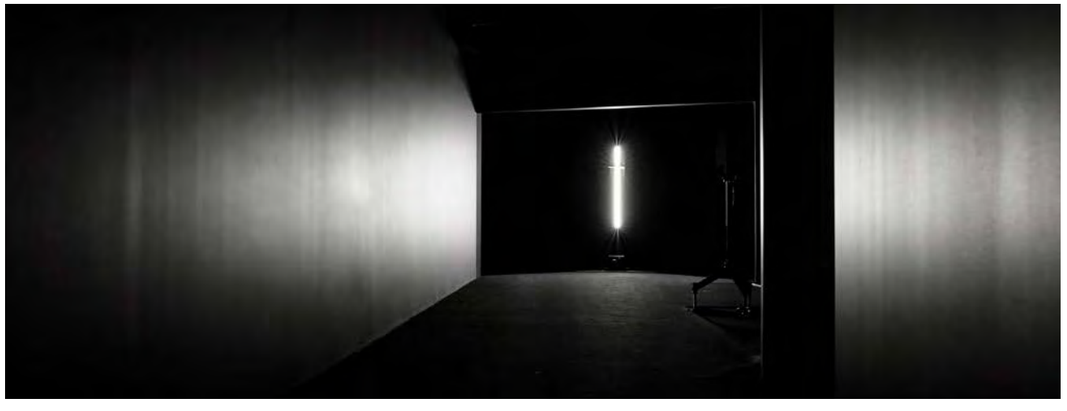
High speed 400 m^2 large luminaire powder coating conveyor system is employed to achieve excellent quality of coating process.

Luminaire assembly line

When metal working and powder coating process is finished, mechanical parts arrive to luminaire assembly line – where LED modules from electronic production line are assembled with other parts. Thus majority of luminaire production process is held in-house.

Quality and testing

Photometric tests – light distribution, colorimetric testing and photo biological safety testing.
Quality tests of different type coatings including powder coatings – neutral salt spray testing (NSST), Machu tests, coating layer thickness measurements.
IP class testing, IK class testing, temperature testing, vibration and shock testing, EMC testing is organised in cooperation with well-known and reputable certification bodies in Europe.



Dimming

DALI

Digital Addressable Lighting Interface – digital signal interface specially developed for lighting applications. DALI network consists of a controller and one or more lighting devices (e.g., electrical ballasts, LED drivers and dimmers) that have DALI interfaces. The controller can monitor and control each light by means of a bidirectional data exchange. DALI requires a single pair of wires to form the bus for communication to all devices on a single DALI network.

0 - 10 V

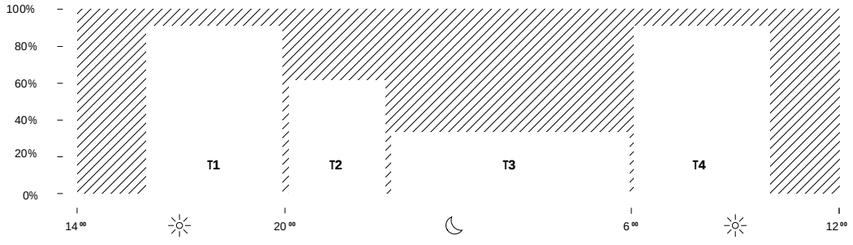
Analog signal interface with no feedback from driver. The maximum level is still 100%, but the minimum level for DC0-10V is 5.7% in case the dimming signal is given at 0.57V. In case the dimmer is giving lower than 0.57V, the LED driver will cut off the output current resulting in no light output in the LED module.

1 - 10 V

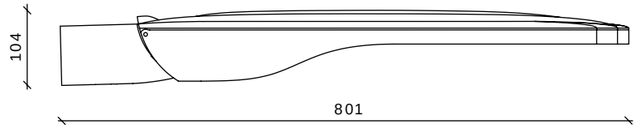
Analog signal interface with no feedback from driver. For this dimming interface 100% is the maximum of driver and 10% is the minimum level. The output status is not guaranteed when the dimming signal is less than 1V. The output of LED driver could be completely switched off or there is still some light coming out of LED module. If application requirement is to completely turn off the driver, then additional switch at AC mains of driver is required.

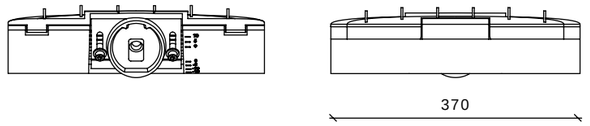
Midnight dimming

Midnight dimming provides multi-stage night-time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control infrastructure. The unit automatically performs a dimming profile based on the predefined scheduled reference to the midpoint, which is calculated based on the power on / off times.



Stork

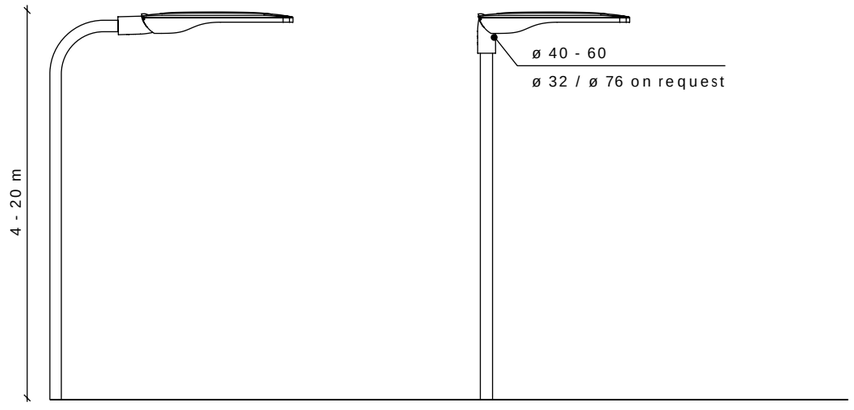


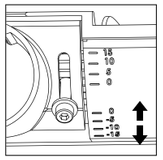


DB703

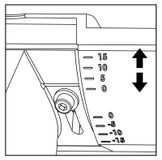
RAL9006

Other colors
available on request

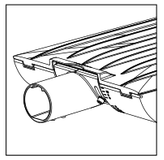




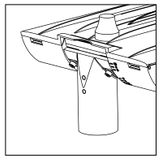
≤ 0 ... 15



≤ -15 ... 0



Horizontal entry



Vertical entry

Technical information

IP66 IK09 RoHS [8]

V	220 - 240
Hz	50 - 60
W	18 - 280
lm	2300 - 34660
lm/W	124 - 142
K	3000 / 4000 [1]
°C	-40 to +50 [2]
CRI	>70 / >80 [3]

1-10V; DALI; Midnight dimming
Radio frequency / Power line [4]
3; 6; 10 kV (optional) [5]
Warranty 5 years
100 000h (L80B10C10) [6]
100 000 h (L95B10C10) [7]

Body:	Die-cast aluminum
Spigot:	ø 40-60, with accessories ø 32; ø 76
Neto weight:	12 - 13,40 kg
Max.wind load area, SCd, m2:	0,047

[1] 5000; 5700 K available on request

[2] 240 - 280 W at Ta = -40°C... +35°C

[3] Luminaries with color rendering index (CRI): Ra >90 on request

[4] Optional. Available only with DALI ; 1 - 10 V

[5] 10 kV (L-N; L/N-PE) surge protection device available on request

[6] Average lifetime value for ECO model at Ta = 25C is 100 000h L80/B10*

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

[7] Standard / High Power / High Density at Ta=25°C, this value is only informative and may change according to selected article

[8] Coming soon

Model name principles

SR [ ]

B - Basic | S - Smooth (finless) | E - Eco

Power
018 ... 280

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
2700 ... 6500
Standard values: 3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 6x1 - T01 ... T99
type 12 - Y01 ... Y99
custom configuration - M01 ... N99

Lens module type
8 LEDs, type 2x2 lens - A
16 LEDs, type 2x2 lens - B
78 LEDs, type 6x1 lens - C
108 LEDs, type 6x1 lens - D
36 LEDs, type 6x1 lens - E
16 LEDs, type 8 lens - F
32 LEDs, type 8 lens - G
24 LEDs, type 12 lens - H

LED quantity
001 ... 128

Color
sliver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
floodlight - F

Dimming
non dimmable - N
DALI - D
1-10V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2
class III - 3

EXAMPLE SR 250 730 V01 G128 CSN DG1

Standard modules

4000K

Number of LED's		16			32			48			64	
Nominal current, mA	350	500	720	350	520	700	350	520	700	350	500	710
Power, W	18	27	37	37	51	68	53	76	102	69	97	137
Luminous Flux, lm	2300	3430	4570	5025	6780	8710	7380	10200	13170	9700	13200	17800
Efficacy, lm/W	128	127	124	136	133	128	139	134	129	141	136	130
Power factor, PF	0,90	0,95	0,97	0,95	0,97	0,97	0,96	0,98	0,96	0,93	0,96	0,98

Luminaire efficacy				
	3000 K	18 - 137 W	2100 - 17200 lm	120 - 136 lm/W
	4000 K	18 - 137 W	2300 - 17800 lm	124 - 141 lm/W
	5000 K	18 - 137 W	2220 - 17800 lm	124 - 141 lm/W

High power modules

Only with optic 01 / 02 / 03

4000K

Number of LED's		78			84			108	
Nominal current, mA	350	520	700	350	500	700	450	520	620
Power, W	84	120	160	90	128	180	146	170	200
Luminous Flux, lm	11900	16400	20840	12790	17550	23000	19890	22820	26180
Efficacy, lm/W	142	137	130	142	137	128	136	134	131
Power factor, PF	0,95	0,97	0,98	0,96	0,97	0,97	0,94	0,98	0,96

Luminaire efficacy				
	3000 K	18 - 137 W	2100 - 17200 lm	120 - 136 lm/W
	4000 K	18 - 137 W	2300 - 17800 lm	124 - 141 lm/W
	5000 K	18 - 137 W	2220 - 17800 lm	124 - 141 lm/W

High density modules

Only with optic 01 / 04 / 05 / 20 / 22 / 35

4000K

Number of LED's		32			64			80	
Nominal current, mA	350	520	700	350	500	710	350	520	700
Power, W	37	51	68	69	97	137	83	123	168
Luminous Flux, lm	5025	6780	8710	9700	13200	17800	11800	16830	21880
Efficacy, lm/W	136	133	128	141	136	130	142	137	130
Power factor, PF	0,95	0,97	0,97	0,93	0,96	0,98	0,95	0,97	0,98

Number of LED's		96			128	
Nominal current, mA	350	520	700	350	500	730
Power, W	106	150	205	135	190	280
Luminous Flux, lm	14760	20110	26430	18990	25850	34660
Efficacy, lm/W	139	134	129	141	136	124
Power factor, PF	0,96	0,98	0,98	0,93	0,96	0,98

Luminaire efficacy				
	3000 K	84 - 200 W	11560 - 25500 lm	124 - 138 lm/W
	4000 K	84 - 200 W	11900 - 26180 lm	128 - 142 lm/W
	5000 K	84 - 200 W	11900 - 26180 lm	128 - 142 lm/W

ECO

* Preliminary data

4000K

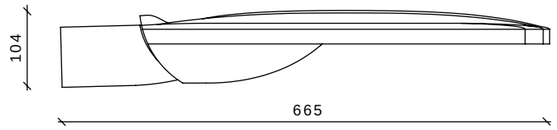
Number of LED's		16			32			48		
Nominal current, mA	350	500	700	350	500	700	350	500	560	700
Power, W	37	52	75	71	101	147	103	149	168	220
Luminous Flux, lm	5161	6873	9064	10400	13650	17900	15200	20200	21689	26631
Efficacy, lm/W	139	132	121	146	135	122	148	136	129	121
Power factor, PF	0,85	0,9	0,91	0,94	0,97	0,98	0,97	0,98	0,99	0,98

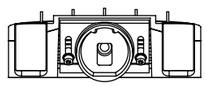
Number of LED's		64	
Nominal current, mA	350	500	700
Power, W	137	200	280
Luminous Flux, lm	19453	25982	32786
Efficacy, lm/W	142	130	117
Power factor, PF	0,94	0,97	0,98

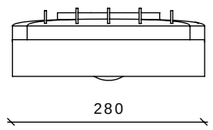
Carnikava | Latvia

Budapest | Hungary

Stork little brother



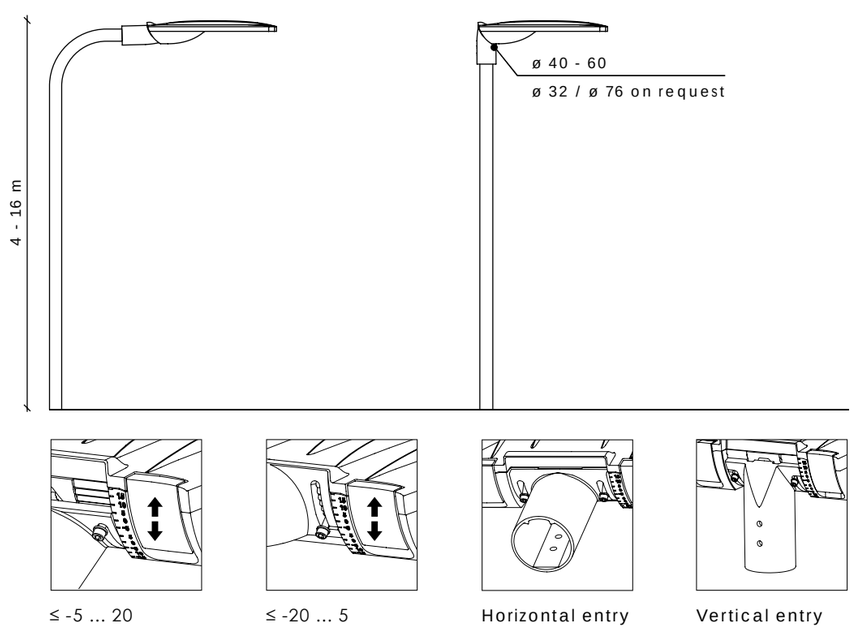




DB703

RAL9006

Other colors
available on request



≤ -5 ... 20

≤ -20 ... 5

Horizontal entry

Vertical entry

Technical information

IP66 IK10 RoHS [8]

V	220 - 240
Hz	50 - 60
W	18 - 178
	18 - 200 [7]
lm	2300 - 23450
lm/W	124 - 142
K	3000 / 4000 [1]
°C	-40 to +50
CRI	>70 / >80 [2]

1-10V; DALI; Midnight dimming
Radio frequency / Power line [3]
3; 6; 10 kV (optional) [4]
Warranty 5 years
100 000h (L80B10C10) [5]
100 000 h (L95B10C10) [6]

Body:	Die-cast aluminum
Spigot:	ø 40-60, with accessories ø 32; ø 76
Neto weight:	5,96 - 7,03 kg
Max.wind load area, SCd, m2:	0,04

[1] 5000; 5700 K available on request

[2] Luminaries with color rendering index (CRI): Ra >90 on request

[3] Optional. Available only with DALI ; 1 - 10 V

[4] 10 kV (L-N; L/N-PE) surge protection device available on request

[5] Average lifetime value for ECO model at Ta = 25C is 100 000h L80/B10*

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

[6] Standard / High Power / High Density at Ta=25°C, this value is only informative and may change according to selected article

[7] Configuration not in production

[8] Coming soon

Model name principles

SRL — B - Basic | F - Flood (flood light) | S - Smooth (finless) | E - Eco

Power
005 ... 200

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
2700 ... 6500
Standard values: 3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 6x1 - T01 ... T99
type 12 - Y01 ... Y99
type 1 - Z01 ... Z99
custom configuration - M01 ... N99

Lens module type
8 LEDs, type 2x2 lens - A
16 LEDs, type 2x2 lens - B
36 LEDs, type 6x1 lens - E
16 LEDs, type 8 lens - F
32 LEDs, type 8 lens - G
24 LEDs, type 12 lens - H
4 LEDs, type 1 lens - P

LED quantity
001 ... 096

Color
sliver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
flood light - F

Dimming
non dimmable - N
DALI - D
1-10V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2
class III - 3

EXAMPLE SRLB 005 730 L01 A001 CSN NG1

Standard modules

4000K

Number of LED's		16			32			48			64	
Nominal current, mA	350	500	700	350	500	700	350	500	700	350	500	700
Power, W	18	27	37	37	48	68	53	76	102	69	97	137
Luminous Flux, lm	2110	3139	4151	4535	5814	7911	6707	9284	11942	8841	11775	16355
Efficacy, lm/W	117	116	112	122	121	116	126	122	118	128	121	119
Power factor, PF	0,91	0,95	0,97	0,95	0,97	0,97	0,96	0,98	0,96	0,94	0,96	0,98

Luminaire efficacy	3000 K	18 - 137 W	2110 - 16355 lm	117 - 119 lm/W
	4000 K	18 - 137 W	2183 - 16919 lm	121 - 123 lm/W
	5000 K	18 - 137 W	2256 - 17483 lm	125 - 128 lm/W

High density modules

Only with optic 01 / 04 / 05 / 10 / 20 / 22 / 35

4000K

Number of LED's		32			64			80	
Nominal current, mA	350	500	700	350	500	700	350	500	750
Power, W	37	48	68	69	97	137	89	123	178
Luminous Flux, lm	4867	6184	8691	9513	12799	17297	12002	16003	22300
Efficacy, lm/W	132	129	128	138	132	126	135	130	125
Power factor, PF	0,95	0,97	0,97	0,94	0,096	0,98	0,95	0,97	0,98

Luminaire efficacy	3000 K	37 - 178 W	4725 - 21580 lm	120 - 128 lm/W
	4000 K	37 - 178 W	4888 - 22300 lm	124 - 132 lm/W
	5000 K	37 - 178 W	5051 - 23000 lm	129 - 137 lm/W

ECO

4000K

Number of LED's		16			32			48	
Nominal current, mA	350	500	700	350	500	700	350	500	590
Power, W	37	52	75	71	101	147	102	149	178
Luminous Flux, lm	5200	6850	9000	10400	13650	17900	14980	20210	22500
Efficacy, lm/W	141	132	120	146	135	122	147	135	126
Power factor, PF	0,85	0,9	0,91	0,94	0,97	0,98	0,97	0,98	0,98

Gothenburg | Sweden

Gothenburg | Sweden

Hafnarfjordur | Iceland

Mini martin

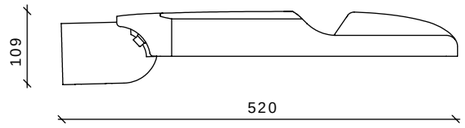
with fins

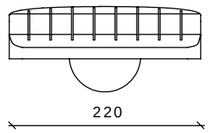
smooth

tool-less

tool-less
smooth

Mini martin with fins

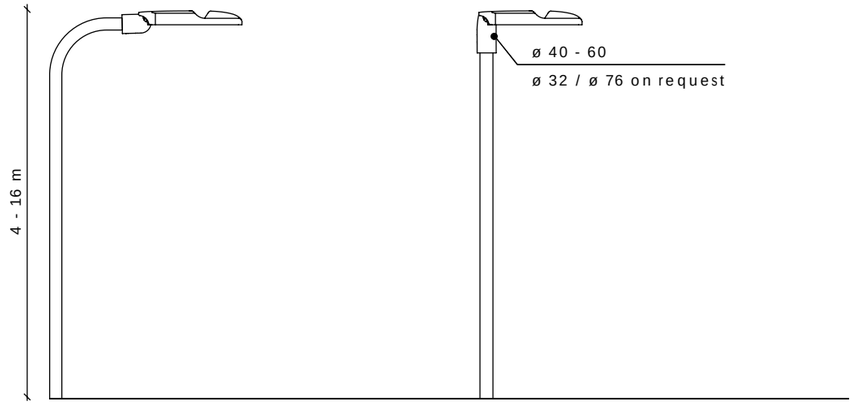


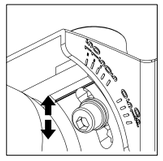


DB703

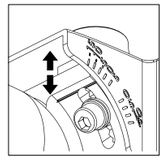
RAL9006

Other colors
available on request

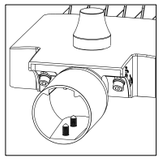




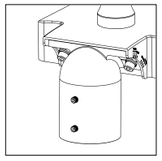
≤ 5 ... -20



≤ 0 ... 20



Horizontal entry



Vertical entry

Technical information

IP66 | IK08 | IK09[5] | RoHS | (8

V	220 - 240
Hz	50 - 60
W	10 - 110
lm	1100 - 13550
lm/W	110 - 136
K	3000 / 4000 [1]
°C	-40 to +50
CRI	>70 / >80 [2]

1-10V; DALI; Midnight dimming
Radio frequency [4]
3; 6; 10 kV (optional) [5]
Warranty 5 years
100 000h (L80B10C10) [6]
100 000 h (L95B10C10) [7]

Body:	Die-cast aluminum
Spigot:	ø 40-60, with accessories ø 32; ø 76
Neto weight:	5,5 - 6,5 kg
Max.wind load area, SCd, m²:	0,038

[1] 5000; 5700 K available on request

[2] Luminaries with color rendering index (CRI): Ra >90 on request

[3] Optional. Available only with DALI ; 1 - 10 V

[4] 10 kV (L-N; L/N-PE) surge protection device available on request

[5] IK09 - screw version with tempered unprinted glass

[6] Average lifetime value for ECO model at Ta = 25C is 100 000h L80/B10*

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

[7] Standard / High Density at Ta=25°C, this value is only informative and may change according to selected article

[8] Coming soon

Model name principles

MRS

F - Flood (flood light) | S - Smooth (finless) | T - Tool-less | E - Eco

Power

005 ... 110

Color rendering index

≥70 - 7
≥80 - 8

Color temperature [K]

2700 ... 6500
Standard values: 3000 K - 30
4000 K - 40

Lens

type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 6x1 - T01 ... T99
type 12 - Y01 ... Y99
type 1 - Z01 ... Z99
custom configuration - M01 ... N99

Lens module type

8 LEDs, type 2x2 lens - A
36 LEDs, type 6x1 lens - E
16 LEDs, type 8 lens - F
4 LEDs, type 1 lens - P

LED quantity

001 ... 048

Color

sliver (RAL 9006) - CS
asphalt (DB 703) - CA

other colors available on request

Console

post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
flood light - F

Dimming

non dimmable - N
DALI - D
1-10V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z

Surge protector

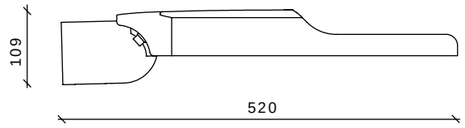
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

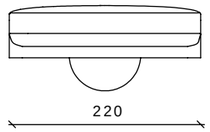
Insulation

class I - 1
class II - 2
class III - 3

EXAMPLE MRS 050 740 L01 A024 CSN DG1

Mini martin smooth





DB703

RAL9006

Other colors
available on request

Technical information

IP66 IK08 IK09(3 CE RoHS

V	220 - 240
Hz	50 - 60
W	10 - 75
lm	891 - 9800
lm/W	89 - 136
K	3000 / 4000 / 5000
°C	-40 to +50
CRI	>70 / >80 (1

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Radio frequency
Warranty 5 years
100 000 h (L95B10C10) at Ta = 25 °C

Surge protection:	6kV (L-N) and 10 kV (L/N -PE without DALI connection) (2
Body:	Die-cast aluminum

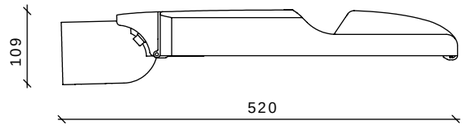
(1 Luminaries with color rendering index (CRI): Ra >90 on request

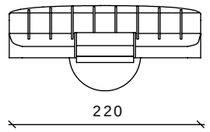
(2 10 kV (L-N; L/N-PE) surge protection device available on request

(3 IK09 - screw version with tempered unprinted glass

Standard configuration 35 cm cable. for easy installation, please see accessories- cable connector.
(This accessories are not included in standard price)

Mini martin tool-less





DB703

RAL9006

Other colors
available on request

Technical information

IP66 IK08 RoHS

V	220 - 240
Hz	50 - 60
W	10 - 110
lm	1100 - 13550
lm/W	110 - 136
K	3000 / 4000 / 5000
°C	-40 to +50
CRI	>70 / >80 (1

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Radio frequency
Warranty 5 years
100 000 h (L95B10C10) at Ta = 25 °C

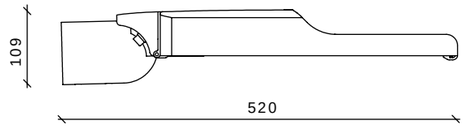
Surge protection:	6kV (L-N) and 10 kV (L/N -PE without DALI connection) (2
Body:	Die-cast aluminum

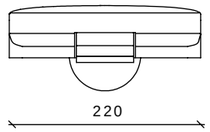
(1 Luminaries with color rendering index (CRI): Ra >90 on request

(2 10 kV (L-N; L/N-PE) surge protection device available on request

Standard configuration 35 cm cable. for easy installation, please see accessories- cable connector.
(This accessories are not included in standard price)

Mini martin
tool-less smooth





DB703

RAL9006

Other colors
available on request

Technical information

IP66 IK08 RoHS

V	220 - 240
Hz	50 - 60
W	10 - 75
lm	891 - 9800
lm/W	89 - 136
K	3000 / 4000 / 5000
°C	-40 to +50
CRI	>70 / >80 (1

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Radio frequency
Warranty 5 years
100 000 h (L95B10C10) at Ta = 25 °C

Surge protection:	6kV (L-N) and 10 kV (L/N -PE without DALI connection) (2
Body:	Die-cast aluminum

(1 Luminaries with color rendering index (CRI): Ra >90 on request

(2 10 kV (L-N; L/N-PE) surge protection device available on request

Standard configuration 35 cm cable. for easy installation, please see accessories- cable connector.
(This accessories are not included in standard price)

Standard modules

*Only with optic 01 / 02 / 03

4000K

Number of LED's		8			16			24			36*	
Nominal current, mA	350	520	700	350	500	700	350	500	700	350	500	710
Power, W	10	15	19	20	26	35	29	39	52	40	55	78
Luminous Flux, lm	1220	1820	2260	2550	3310	4350	3810	5060	6580	5470	7390	9930
Efficacy, lm/W	122	121	119	128	127	124	131	130	127	137	134	127
Power factor, PF	0,84	0,92	0,96	0,91	0,95	0,97	0,93	0,95	0,97	0,95	0,98	0,98

Luminaire efficacy	3000 K	10 - 78 W	1060 - 9610 lm	102 - 124 lm/W
	4000 K	10 - 78 W	1220 - 9930 lm	119 - 137 lm/W
	5000 K	10 - 78 W	1220 - 9930 lm	119 - 137 lm/W

High density modules

Only with optic 01 / 04 / 05 / 20 / 22 / 35

4000K

Number of LED's		16			32			48		
Nominal current, mA	350	500	700	370	500	700	350	500	700	760
Power, W	20	26	35	37	50	68	51	72	102	110
Luminous Flux, lm	2550	3310	4350	5010	6650	8690	7120	9710	13190	13550
Efficacy, lm/W	128	127	124	135	133	128	140	135	129	123
Power factor, PF	0,91	0,95	0,97	0,95	0,97	0,98	0,95	0,97	0,98	0,97

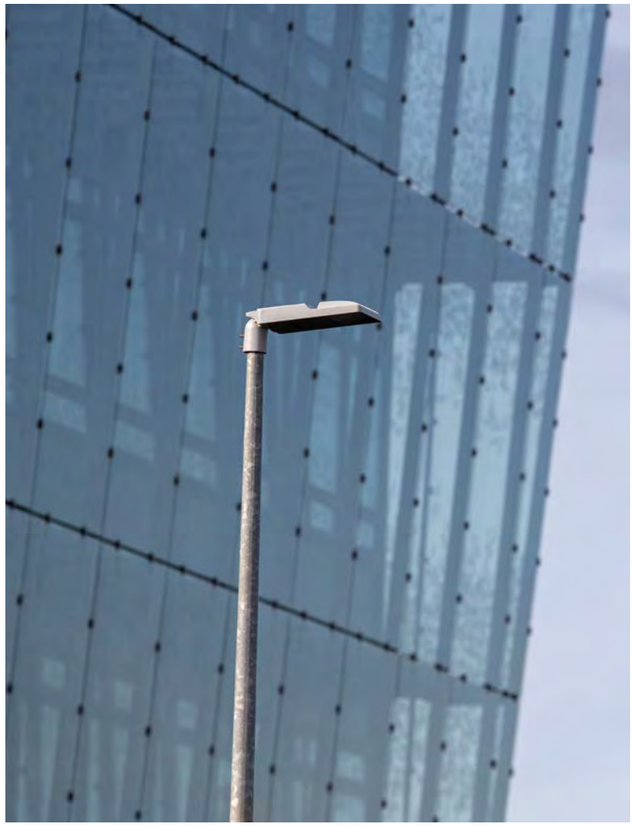
Luminaire efficacy	3000 K	20 - 110 W	2470 - 13620 lm	114 - 131 lm/W
	4000 K	20 - 110 W	2550 - 13550 lm	124 - 140 lm/W
	5000 K	20 - 110 W	2550 - 14070 lm	134 - 140 lm/W

ECO

* Preliminary data

4000K

Number of LED's		8			16			24	
Nominal current, mA	350	500	700	350	500	700	350	500	700
Power, W	19	26	38	37	52	75	54	76	110
Luminous Flux, lm	2580	3390	4460	5120	6770	8920	7680	10070	13270
Efficacy, lm/W	136	130	117	138	130	119	142	133	121
Power factor, PF	0,85	0,9	0,91	0,94	0,97	0,98	0,97	0,98	0,99



Icelandic Institute of Natural History | Iceland

Reykjavik | Iceland

Hestheimar horse farm | Iceland

Micro martin

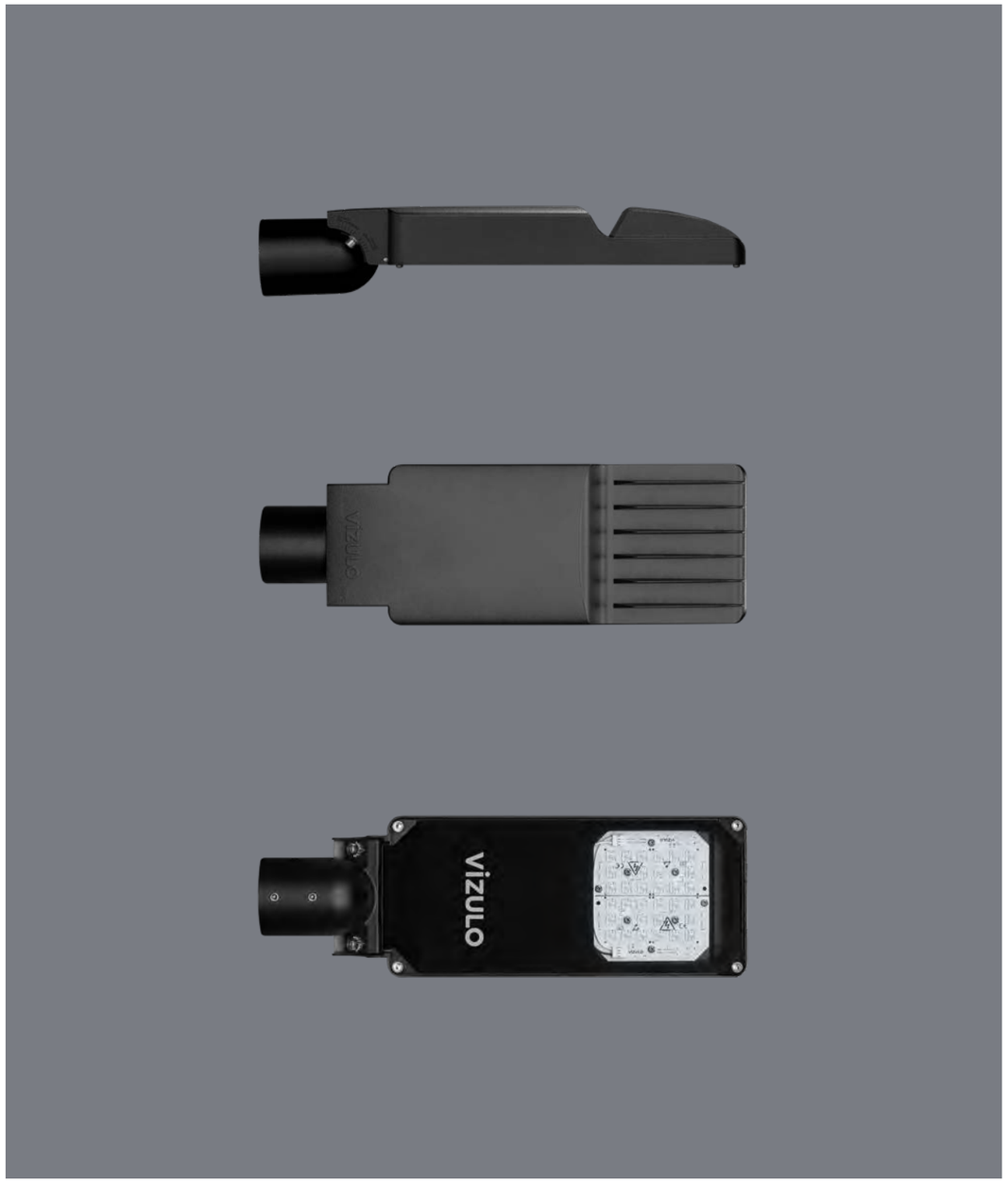
with fins

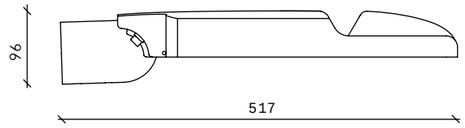
smooth

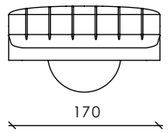
tool-less

tool-less
smooth

Micro martin with fins



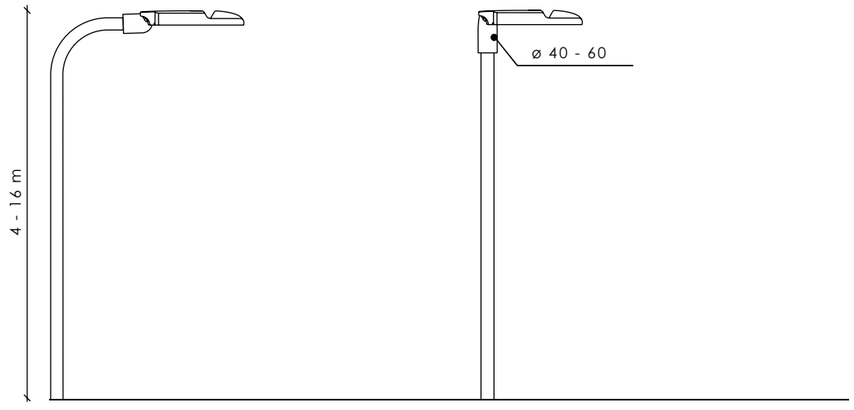


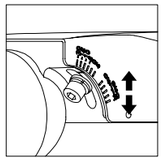


DB703

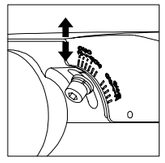
RAL9006

Other colors
available on request

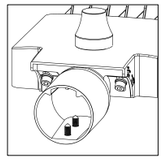




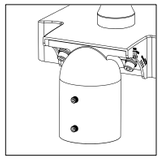
≤ 0 ... 20



≤ -20 ... 0



Horizontal entry



Vertical entry

Technical information

V	220 - 240
Hz	50 - 60
W	5 - 75
lm	470 - 8875
lm/W	90 - 132
K	3000 / 4000
°C	-40 to +50
CRI	>70 / >80 [1]

IP66 IK08 CE

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Radio frequency
Warranty 5 years
100 000 h (L95B10) at ta = 25°C
100 000h (L80B10C10) [2]

Surge protection:	6 kV / seperate built-in 10 kV
Spigot:	ø 40 - 60 mm
Body:	Die-cast aluminum

[1] Luminaries with color rendering index (CRI): Ra >90 on request

[2] Average lifetime value for ECO model at Ta = 25C is 100 000h L80/B10*

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product acan differ from typical data by 7% due to special conditions of LED manufacturing processes.

[3] Coming soon

Model name principles

MRU

F - Flood (flood light) | S - Smooth (finless) | T - Tool-less | E - Eco

Power
005 ... 075

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
2700 ... 6500
Standard values: 3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
custom configuration - M01 ... N99

Lens module type
8 LEDs, type 2x2 lens - A
16 LEDs, type 8 lens - F

LED quantity
001 ... 032

Color
sliver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
flood light - F

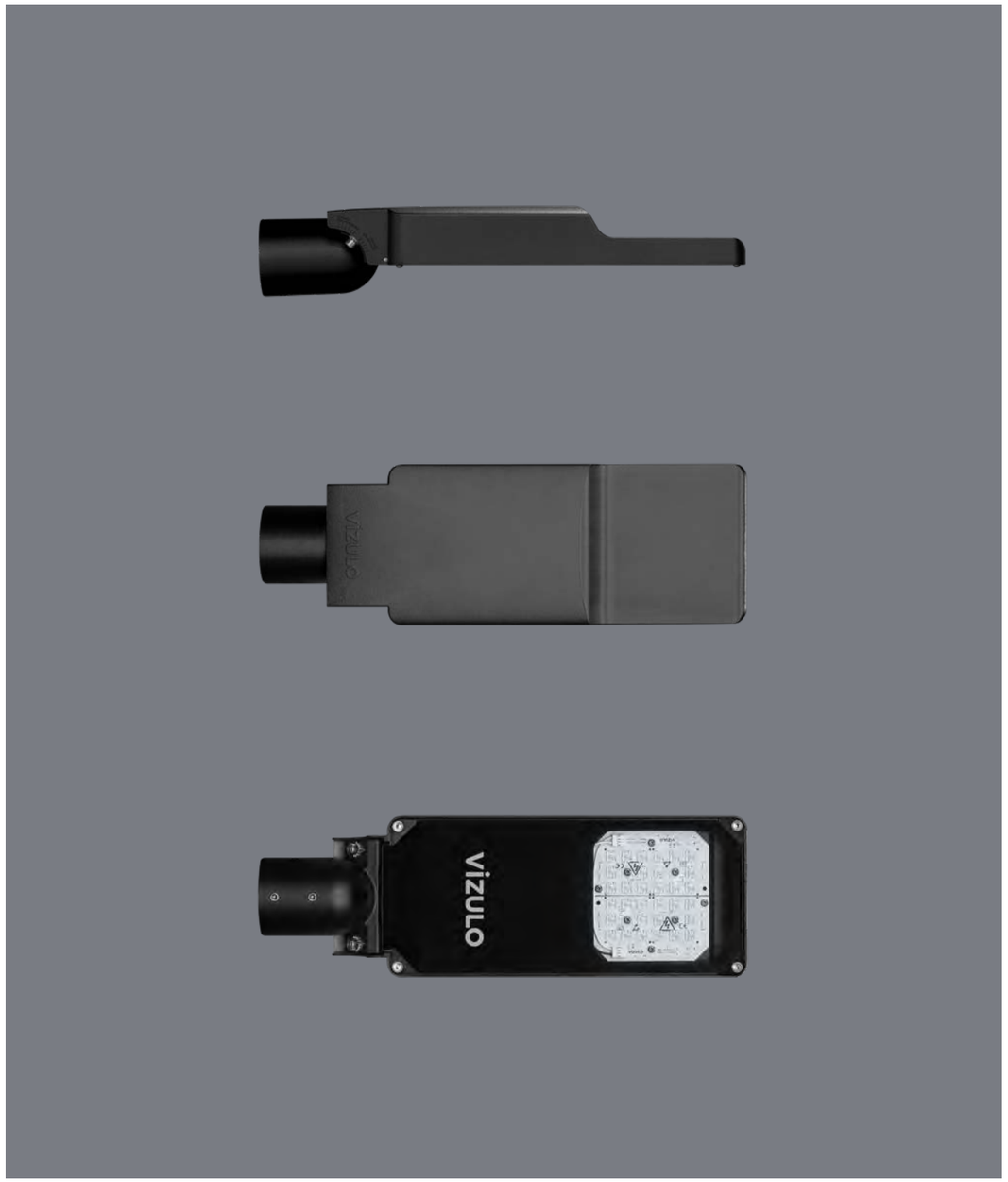
Dimming
non dimmable - N
DALI - D
1-10V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z

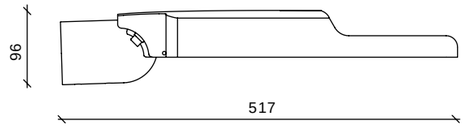
Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

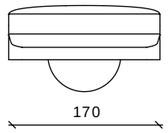
Insulation
class I - 1
class II - 2
class III - 3

EXAMPLE MRUE 045 740 L02 A016 CSN DG1

Micro martin smooth







DB703

RAL9006

Other colors
available on request

Technical information

IP66 IK08

V	220 - 240
Hz	50 - 60
W	5 - 50
lm	470 - 6447
lm/W	90 - 132
K	3000 / 4000
°C	-40 to +50
CRI	>70 / >80 [1]

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Radio frequency
Warranty 5 years
100 000 h (L95B10) at ta = 25°C
100 000h (L80B10C10) [2]

Surge protection:	6 kV / seperate built-in 10 kV
Spigot:	ø 40 - 60 mm
Body:	Die-cast aluminum

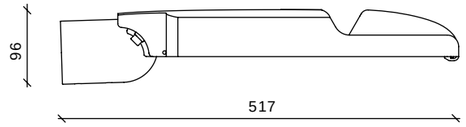
[1] Luminaries with color rendering index (CRI): Ra >90 on request

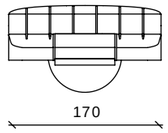
[2] Average lifetime value for ECO model at Ta = 25C is 100 000h L80/B10*

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product acan differ from typical data by 7% due to special conditions of LED manufacturing processes.

Micro martin tool-less





DB703

RAL9006

Other colors
available on request

Technical information

IP66 IK08

V	220 - 240
Hz	50 - 60
W	5 - 75
lm	470 - 8875
lm/W	90 - 132
K	3000 / 4000
°C	-40 to +50
CRI	>70 / >80 [1]

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Radio frequency
Warranty 5 years
100 000 h (L95B10) at ta = 25°C
100 000h (L80B10C10) [2]

Surge protection:	6 kV / seperate built-in 10 kV
Spigot:	ø 40 - 60 mm
Body:	Die-cast aluminum

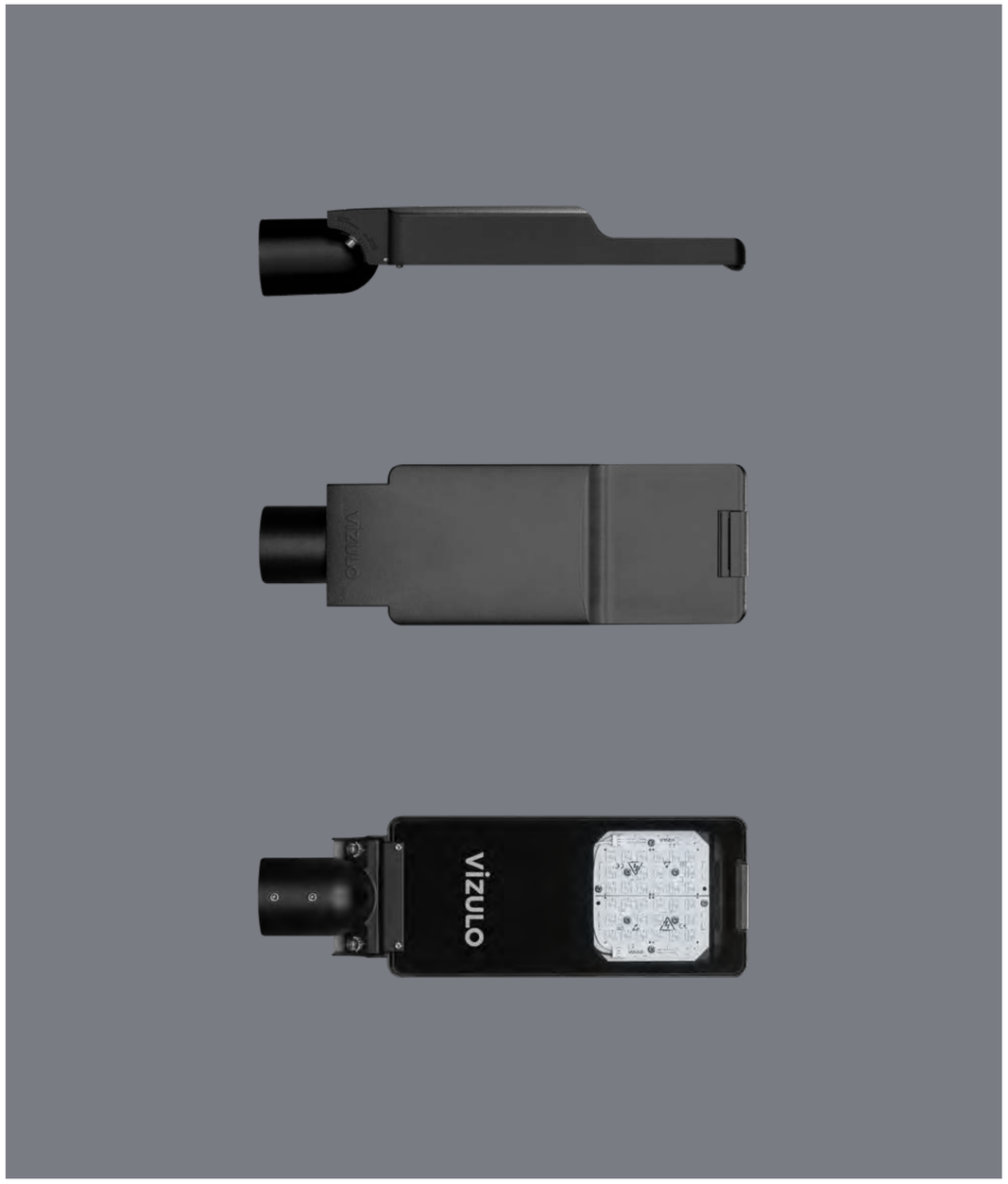
[1] Luminaries with color rendering index (CRI): Ra >90 on request

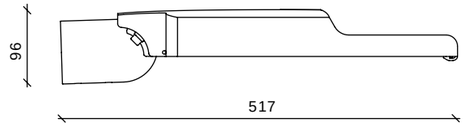
[2] Average lifetime value for ECO model at Ta = 25C is 100 000h L80/B10*

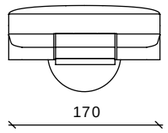
*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product acan differ from typical data by 7% due to special conditions of LED manufacturing processes.

Micro martin
tool-less smooth







DB703

RAL9006

Other colors
available on request

Technical information

V	220 - 240
Hz	50 - 60
W	5 - 50
lm	470 - 6447
lm/W	90 - 132
K	3000 / 4000
°C	-40 to +50
CRI	>70 / >80 [1]

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Radio frequency
Warranty 5 years
100 000 h (L95B10) at ta = 25°C
100 000h (L80B10C10) [2]

Surge protection:	6 kV / seperate built-in 10 kV
Spigot:	ø 40 - 60 mm
Body:	Die-cast aluminum

[1] Luminaries with color rendering index (CRI): Ra >90 on request

[2] Average lifetime value for ECO model at Ta = 25C is 100 000h L80/B10*

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product acan differ from typical data by 7% due to special conditions of LED manufacturing processes.

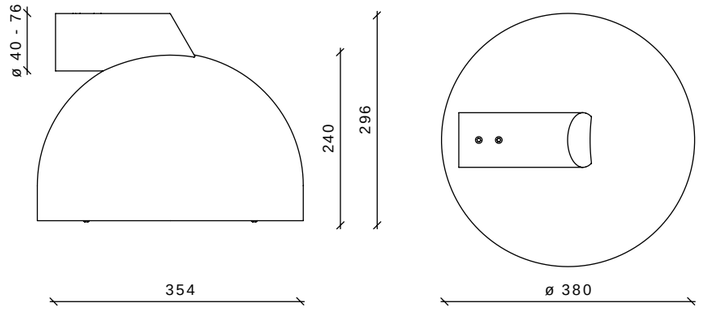
Blackbird

side-entry

post top

hanging

Blackbird side-entry

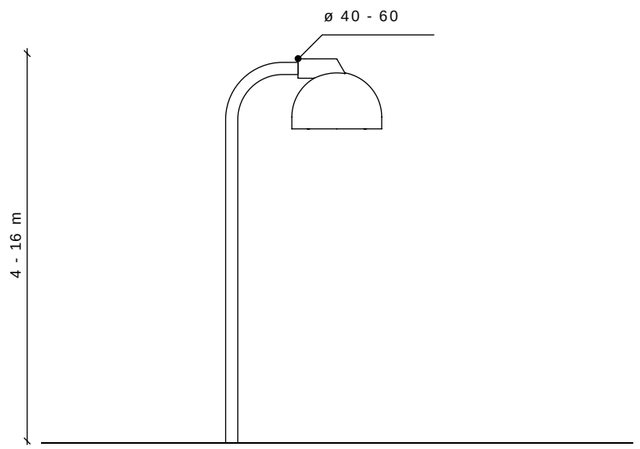


Max.wind load area, SCd, m²: 0,10

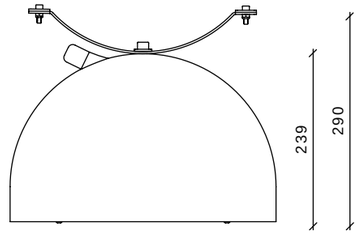
DB703

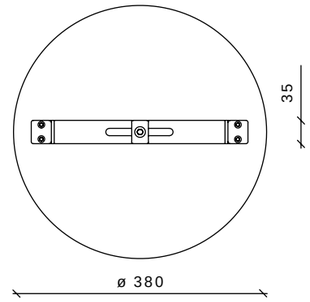
RAL9006

Other colors
available on request



Blackbird hanging



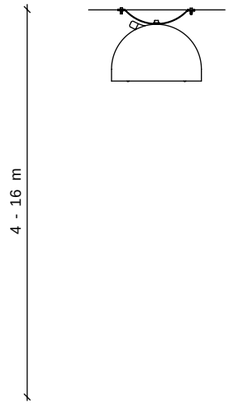


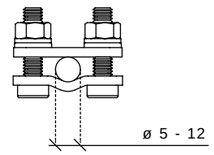
DB703

RAL9006

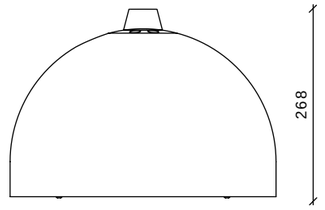
Other colors
available on request

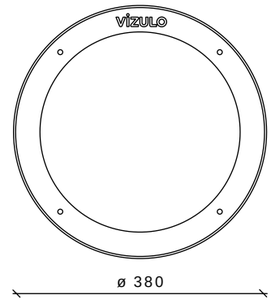
Max.wind load area, SCd, m²: 0,092





Blackbird post top



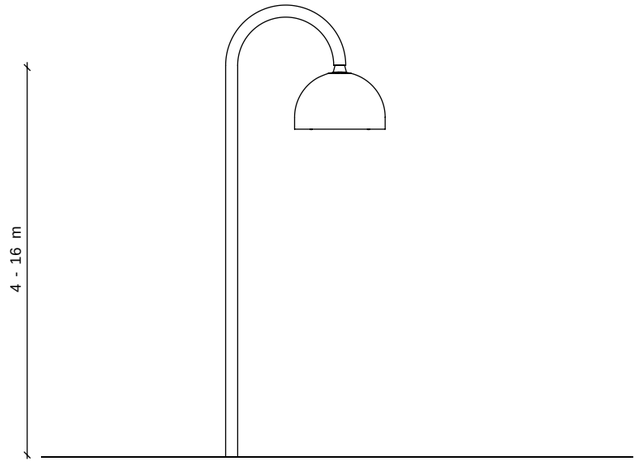


DB703

RAL9006

Other colors
available on request

Max.wind load area, SCd, m²: 0,092



Technical information

IP66 IK08 CE

V	220 - 240
Hz	50 - 60
W	8 - 100
lm	860 - 13300
lm/W	107 - 135
K	3000
	4000 [1]
°C	-40 to +50
CRI	>70 / >80 [2]

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L95B10) at ta = 25°C [5]
100 000 h (L80B10) at ta = 25°C [5] (ECO)

Surge protection:	6 kV, 10 kV (optional) [4]
Spigot:	ø 40 - 60 mm
Body:	Die-cast aluminum
Intelligent light control system:	RF (radio frequency) / Power line [3]

[1] 2700; 5000; 5700 K available on request

[2] Luminaries with color rendering index (CRI): Ra >90 on request

[3] Optional. Available only with DALI ; 1 - 10 V

[4] 10 kV (L-N; L/N-PE) surge protection device available on request

[5] at Ta=25°, this value is only informative and may change according to selected article

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes.

Model name principles

BB

C - Street (side-entry) | H - Hanging | P - Post-top
E - Eco

Power
008 ... 100

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
2700 ... 6500
Standard values: 3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
custom configuration - M01 ... N99

Lens module type
8 LEDs, type 2x2 lens - A
16 LEDs, type 2x2 lens - B
16 LEDs, type 8 lens - F
32 LEDs, type 8 lens - G

LED quantity
001 ... 096

Color
black (RAL 9005) - CB
other colors available on request

Console
post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
flood light - F

Dimming
non dimmable - N
DALI - D
1-10V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2
class III - 3

EXAMPLE BBCE 050 730 L01 B032 CB DG1

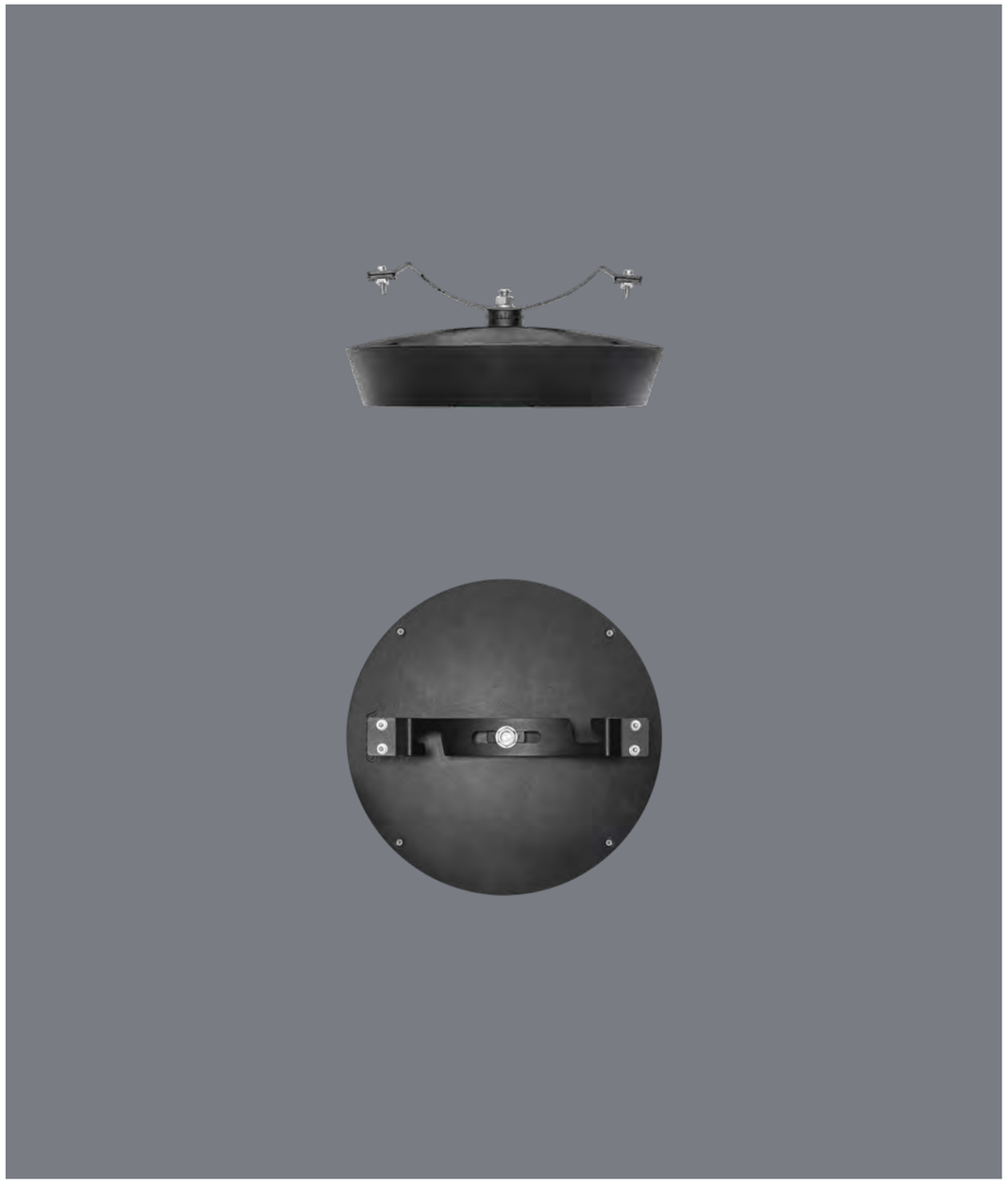
Luscinia

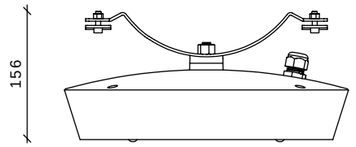
side-entry

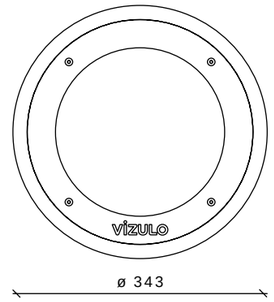
hanging

post top

Luscinia hanging



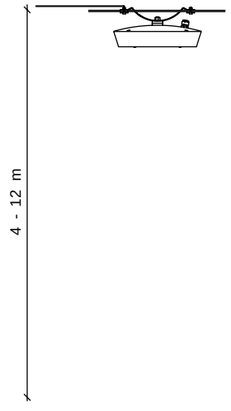


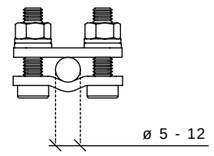


DB703

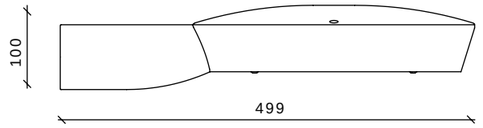
RAL9006

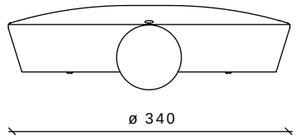
Other colors
available on request





Luscinia side-entry

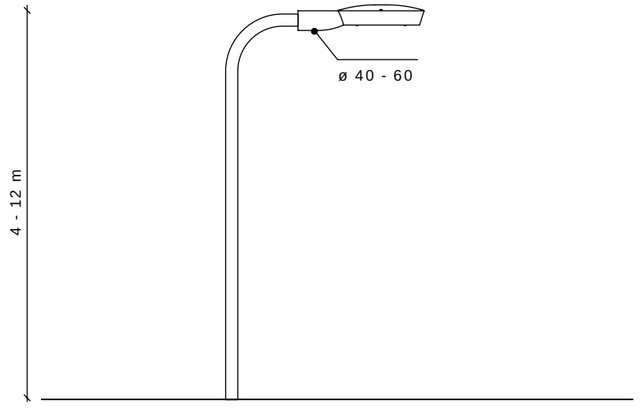




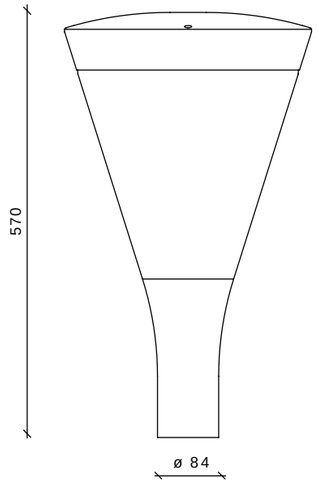
DB703

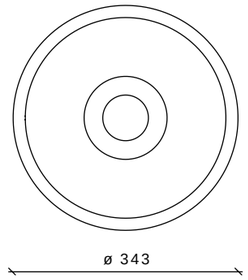
RAL9006

Other colors
available on request



Luscinia post top

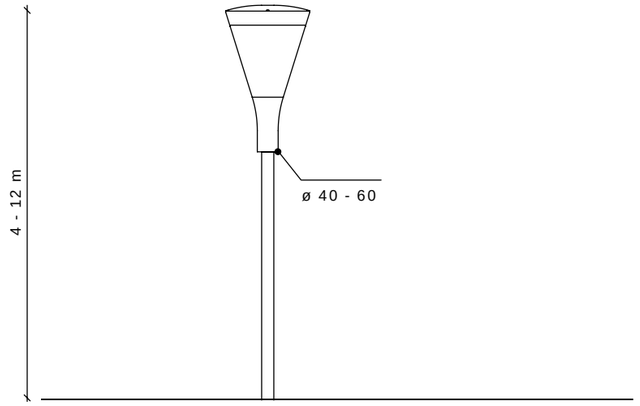




DB703

RAL9006

Other colors
available on request



Technical information

IP66 IK08 IK10[2] [3]

V	220 - 240
Hz	50 - 60
W	8 - 52
lm	922 - 8572 [1]
	900 - 8572 [2]
lm/W	117 - 143 [1]
	114 - 139 [2]
K	3000/4000
°C	>70
CRI	-40 to +50

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L95B10) at ta = 25°C
100 000 h (L80B10) at ta = 25ºC (ECO)

Surge protection:	6 kV, 10 kV (optional)
Console:	Side-entry / Hanging / Post top
Body:	Die-cast aluminum
Intelligent light control system:	RF (radio frequency) / Power line [3]

[1] Side-entry / Hanging

[2] Post top

[3] Post top, Class II

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes.

Model name principles

LU

C - Side entry | H - Hanging | P - Park (post-top)
E - Eco

Power
005 ... 050

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
2700 ... 6500
Standard values: 3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
custom configuration - M01 ... N99

Lens module type
8 LEDs, type 2x2 lens - A
16 LEDs, type 8 lens - F

LED quantity
001 ... 048

Color
black (RAL 9005) - CB
other colors available on request

Console
post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
flood light - F

Dimming
non dimmable - N
DALI - D
1-10V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z

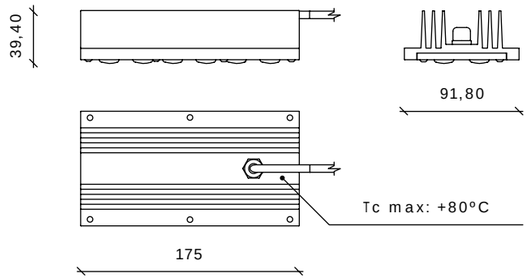
Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2

EXAMPLE LUC 025 730 L22 A016 CB DG1

Woodpecker

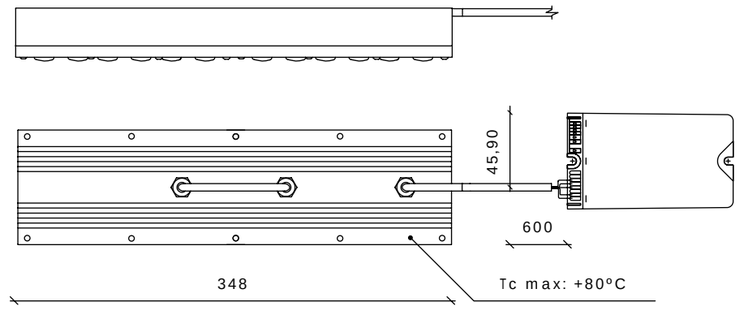
Small



RAL9005

Other colors
available on request

Large



*Max cable length 2m

Technical information

IP65[4] CE EAC RoHS

V	220 - 240
Hz	50 - 60
W	15 - 28
lm	1850 - 3380
lm/W	121 - 123
K	3000 / 4000 [1]
°C	-40 to +50
CRI	>70 / >80

DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L90B10) at Ta = 25 °C [3]

Surge protection:	6 kV, 10 kV (optional) [2]
Console:	Side-entry / Hanging / Post top
Body:	Extruded aluminum
Intelligent light control system:	RF (radio frequency) / Power line [3]

[1] 5000; 5700 K available on request

[2] 10 kV (L-N; L/N-PE) surge protection device available on request

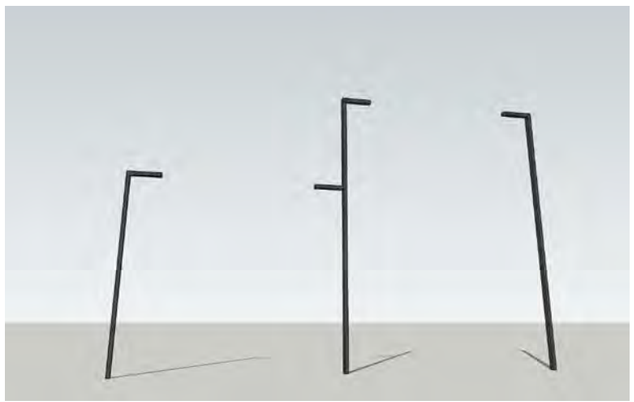
[3] at Ta=25°, this value is only informative and may change according to selected article

[4] For LED module only

4000K	*Small*			*Large*		
Number of LED's		12			24	
Nominal current, mA	350	500	700	350	500	700
Power, W	15	20	28	27	38	52
Luminous Flux, lm	1980	2690	3600	3890	5360	7130
Efficacy, lm/W	132	135	129	144	141	137
Power factor, PF	0,85	0,92	0,96	0,92	0,95	0,97

Pole

Available with decorative poles



Model name principles

WP

Power
015 ... 052

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
2700 ... 6500
Standard values: 3000 K - 30
4000 K - 40

Lens
type 6x2 - W01 ... W99
custom configuration - M01 ... N99

Lens module type
12 LEDs, type 2x6 - R

LED quantity
001 ... 024

Color
black (RAL 9005) - CB

Length [mm]
175 mm - 18
348 mm - 35

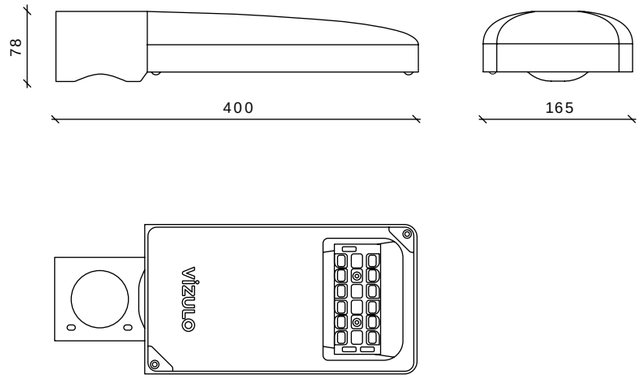
Dimming
non dimmable - N
DALI - D
1-10V - A
midnight dimming - M
step dimming - S
mains dimming - L

Surge protector
6 kV ... 10 kV integrated in driver - G

Insulation
class II - 2

EXAMPLE WP 015 730 W99 R024 CB18 NG2

Colibri

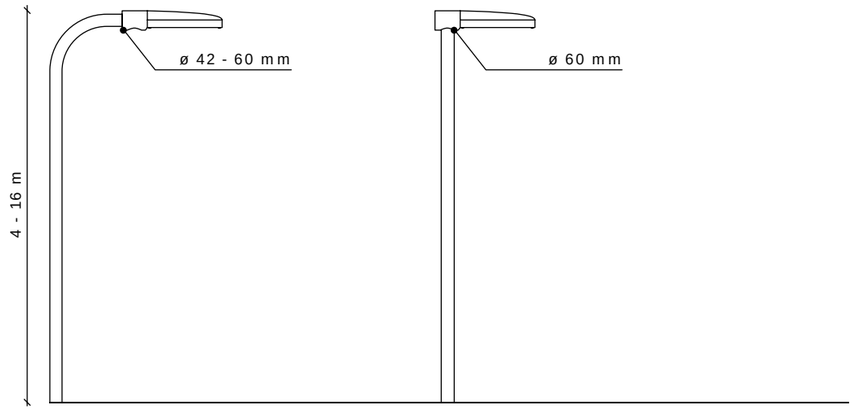


Max.wind load area, SCd, m²: 0,025

DB703

RAL9006

Other colors
available on request



Technical information

IP66 IK09 (7

V	220 - 240
Hz	50 - 60
mA	up to 1000
W	5 - 35 (1
	36 - 45 (2
lm	5050
lm/W	up to 115
K	3000 / 4000 (3
°C	-40 to +50 (standard)
CRI	>70 (4

Dimming:	Non-dimmable (5
Surge protection:	Min 4kV (standard) (6
Console:	0° and 90° only
Body:	Die-cast aluminum

(1 -40 ... +50

(2 -40 ... +35

(3 Available on request

(4 Color rendering index (CRI): Ra >80, Ra >90 is available according to special orders for extra price!

(5 DALI, Midnight dimming (Optional) available for extra price!

(6 10 kV (L-N; L/N-PE) surge protection device available on request for extra price!

(7 Coming soon

Min. One luminaire type order 130 pcs

Model name principles

CL [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

F - Flood (flood light) | E - Eco

Power

005 ... 045

Color rendering index

≥70 - 7
≥80 - 8

Color temperature [K]

2700 ... 6500
Standard values: 3000 K - 30
4000 K - 40

Lens

type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 16 - S01 ... S99
custom configuration - M01 ... N99

LED module type

8 LEDs, type 2x2 lens - A
16 LEDs, type 8 lens - F
32 LEDs, type 16 lens - Q
32 LEDs, type 2x2 lens - S

LED quantity

001 ... 032

Color

sliver (RAL 9006) - CS
asphalt (DB 703) - CA

other colors available on request

Console

side-entry, 42 ... 60 / post top, 60mm - K
side-entry, 42 ... 60 mm - S
flood light - F

Dimming

non dimmable - N
DALI - D
1-10V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z

Surge protector

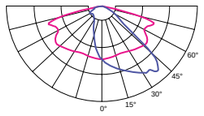
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation

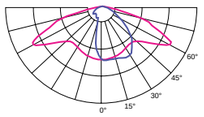
class I - 1
class II - 2

Optics street luminaires

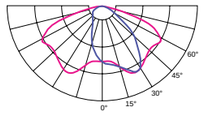
01



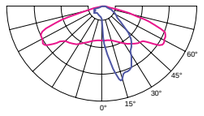
02



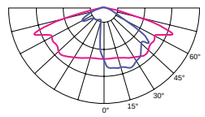
03



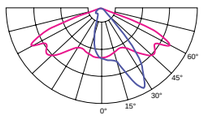
04



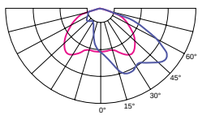
05



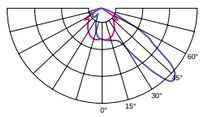
06



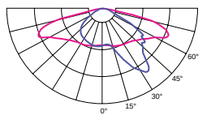
07



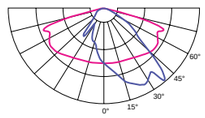
08



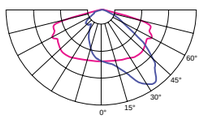
09



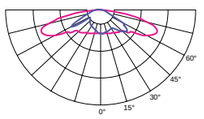
17



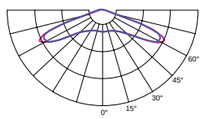
18



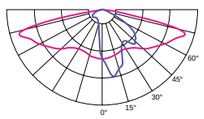
19



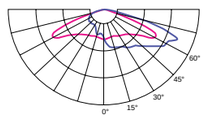
20



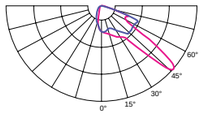
22



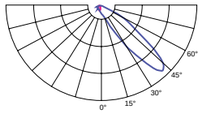
35



36

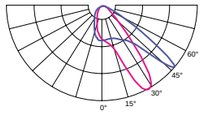


37

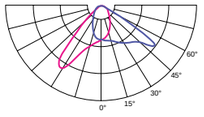


Pedestrian crossing optics

11

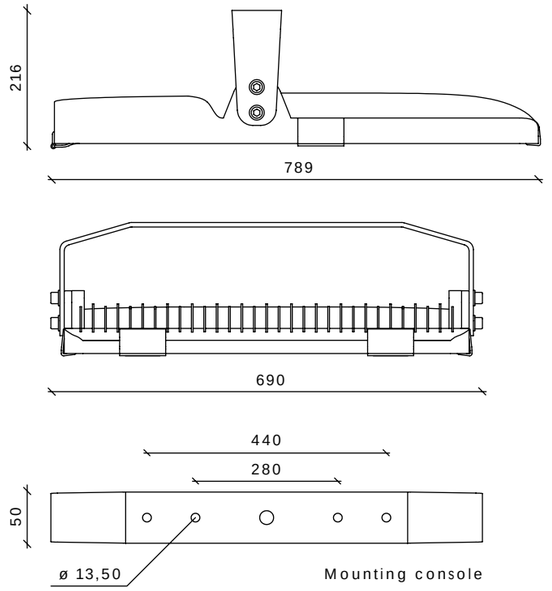


12



Stork little brother
Gothenburg | Sweden

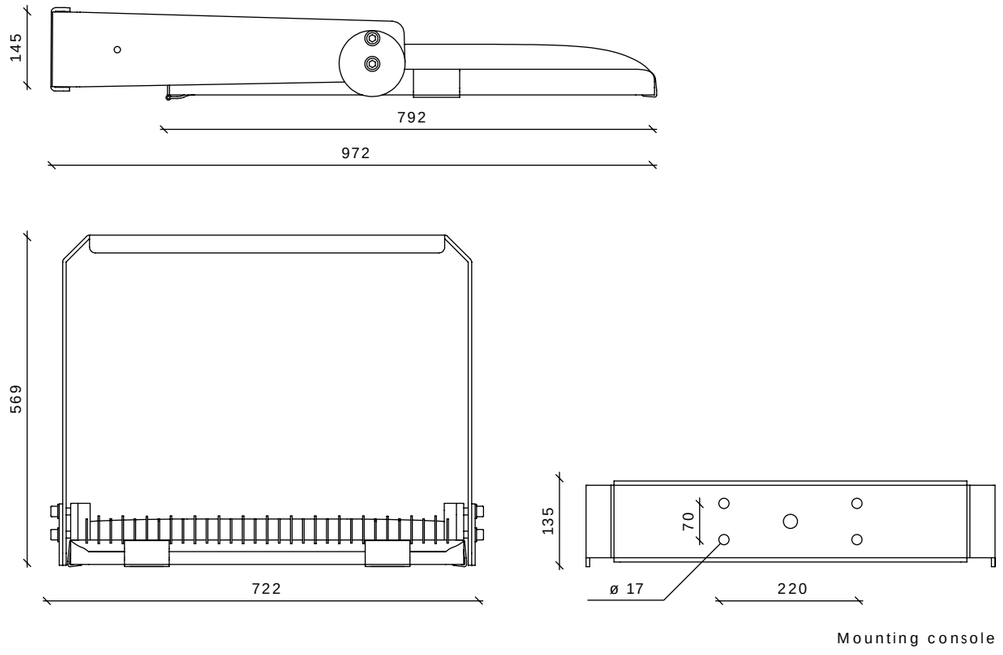
Mustang



DB703

RAL9006

Other colors
available on request



Technical information

V	220 - 240
Hz	50 - 60
W	700
lm	34449 - 90540
lm/W	102 - 141
K	3000 / 4000 / 5000 / 5700
°C	-40 to +50
CRI	>70 / >80 [1]

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L90B10) at Ta = 25 °C [3]

Surge protection:	6kV (L-N) and 10 kV (L/N -PE without DALI connection) [2]
Console:	Side-entry / Hanging / Post top
Body:	Die-cast aluminum
Intelligent light control system:	RF (radio frequency) / Power line

[1] Luminaries with color rendering index (CRI): Ra >90 on request

[2] 10 kV (L-N; L/N-PE) surge protection device available on request

[3] This value is only informative and may change according to selected article

Custom modules

4000K

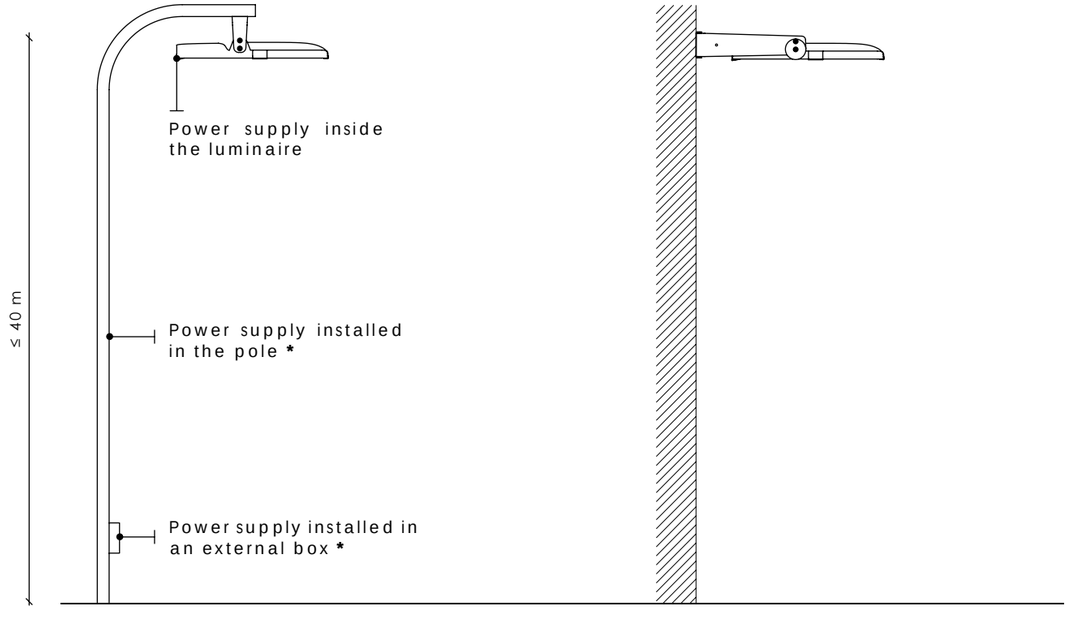
Number of LED's	72			96			
Nominal current, mA	350	500	700	350	430	520	580
Power, W	300	400	500	400	500	600	675
Luminous Flux, lm	34449	43792	51875	45820	55294	63654	69087
Efficacy, lm/W	114	109	103	114	110	106	102
Power factor, PF	0,97	0,98	0,99	0,97	0,98	0,99	0,99

Standard modules

4000K

Number of LED's	264			352		
Nominal current, mA	350	500	700	350	500	700
Power, W	275	390	525	365	518	700
Luminous Flux, lm	38740	52950	68070	51390	70310	90540
Efficacy, lm/W	141	136	130	141	136	129
Power factor, PF	0,96	0,97	0,98	0,96	0,97	0,98

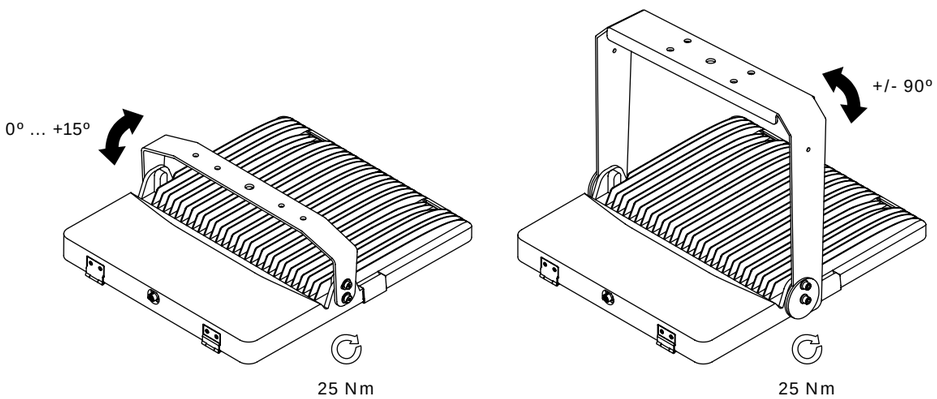
Console



Max. cable length between drivers and luminaire/LED modules: **50 m**

Min. conductor cross section area: **1.5 mm²**

***** Luminaire to driver cable must be ordered from the accessories list



Courchevel |
France

Model name principles

MS E - Eco

Power

005 ... 700

Color rendering index

≥70 - 7
≥80 - 8
≥90 - 9

Color temperature [K]

2700 ... 6500
Standard values: 4000 K - 40
5700 K - 57

Lens

type 2x2 - L01 ... L99
asymetric front - AFR
asymetric - ALT
asymetric - ART

Lens module type

6 LEDs, type X lens - X
44 LEDs, tupe 2x2 - Y

LED quantity

001 ... 352

Color

silver (RAL 9006) - CS
asphalt (DB 703) - CA

other colors available on request

Mounting

Standard - A
FLood light (reinforced) - R

Dimming

non dimmable - N
DALI - D
1-10V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z

Surge protector

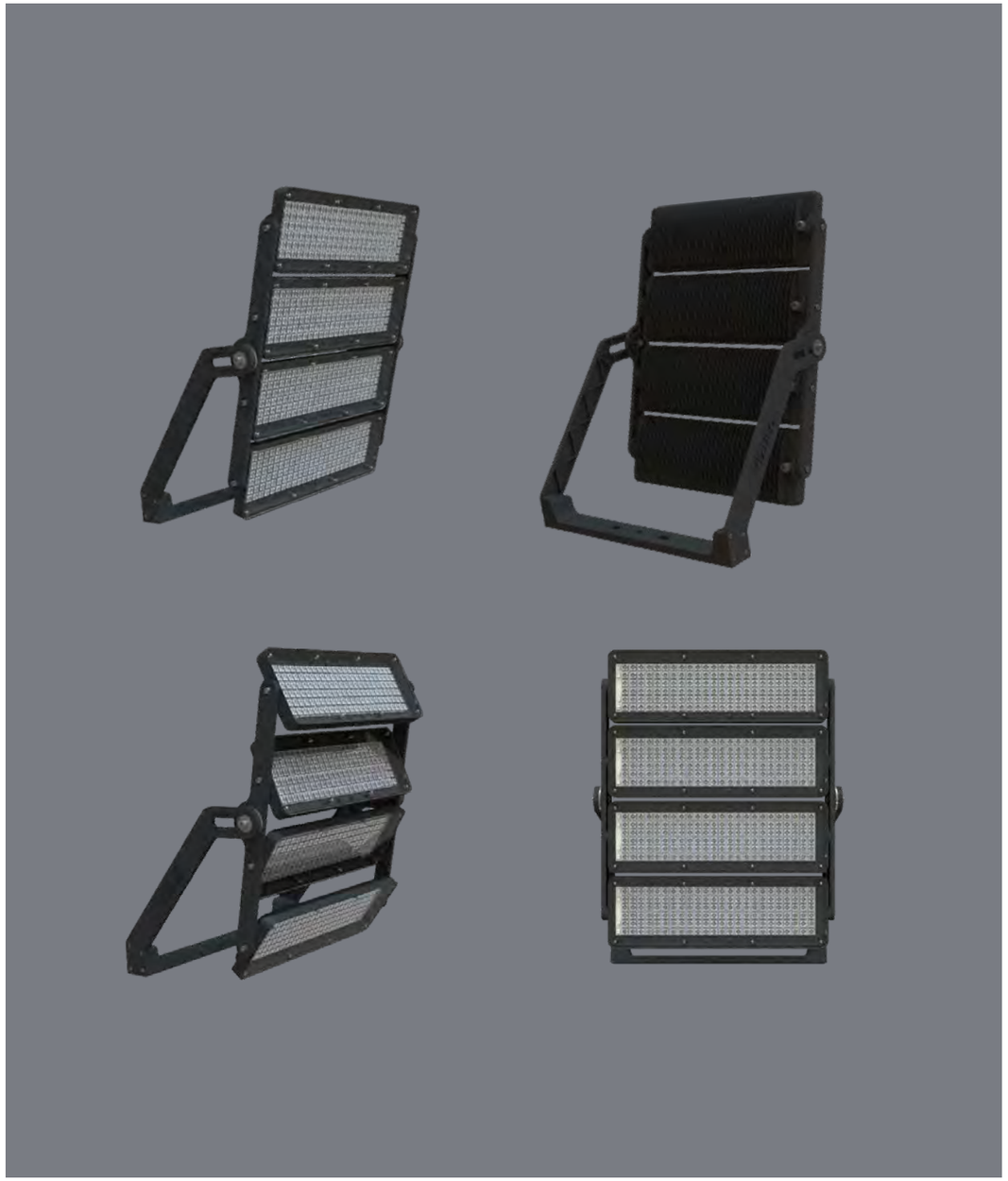
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

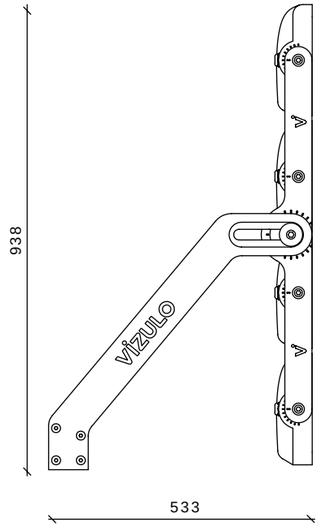
Insulation

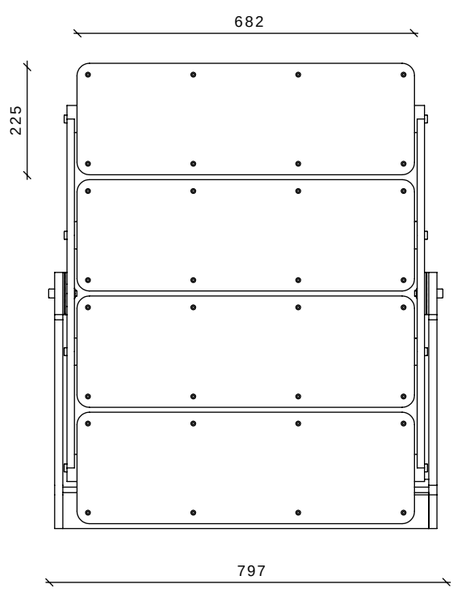
Class I - 1
Class II - 2
Class I with external driver - 4
Class II with external driver - 5

EXAMPLE MS 700 730 L01 Y352 SA DG1

Eagle







RAL9006

Other colors
available on request

Technical information*

IP66 IK09 CE

V	220 - 240
Hz	50 - 60
W	~2400
lm	~320 000 (1
lm/W	136
K	3000 / 4000
°C	-40 to +55
CRI	>70 / >80 (2

1-10V; DALI
Warranty 5 years
50 000 h (L90B10) at Ta = 25 °C
Max distance between driver box and luminaire <200 m
HDTV optimized flicker performance
Flicker index (< 50 kHz) < 0,05
Flicker % (< 3kHz) < 2 %
Flicker % (> 3kHz) < 4 %

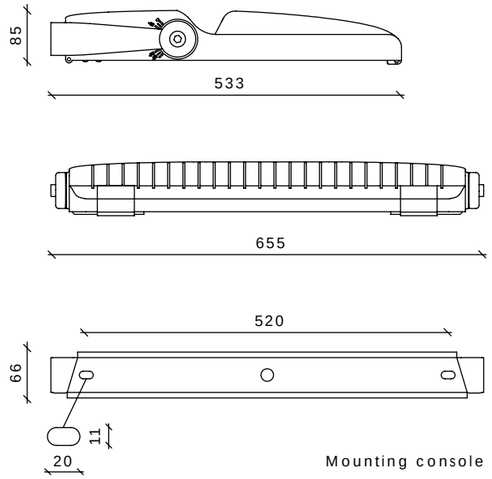
Surge protection:	10 kV
Body:	Die-cast aluminum
Body color:	Silver - RAL 9006
Console:	Floodlight
Weight:	36 kg (without driver box)

(1 Lumen output indicated at 4000 K, CRI>70

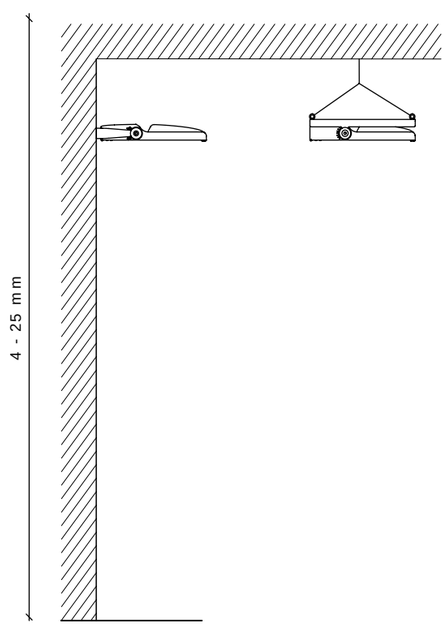
(2 CRI>90 on request

* Preliminary data sheet

Owl



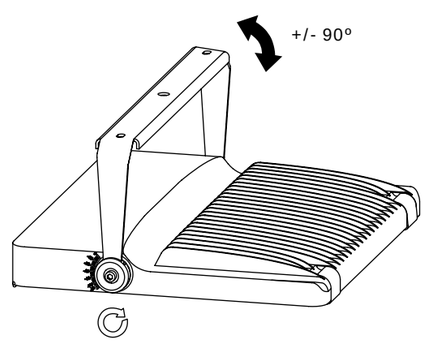
Mounting console



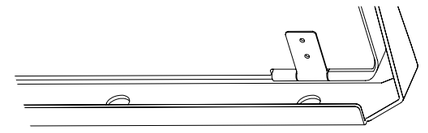
DB703

RAL9006

Other colors
available on request



25 Nm



Strenghtened
bracket

Technical information

IP66 IK08 RoHS

V	220 - 240	1-10V; DALI; Midnight dimming
Hz	50 - 60	Chromaticity tolerance (initial MacAdam): 5
W	85 - 380 (1	Warranty 5 years
	85 - 340 (2	>100 000 h (L95B10) at Ta = 25 °C
lm	11700 - 46200 (1	100 000h (L80B10C10) (6
	11700 - 42700 (2	
lm/W	122 - 139	
K	3000 / 4000 / 5000	*Surge protection:* 3; 6; 10 kV (optional)(4
°C	-40 to +50 (3	10 kV (L/N -PE without DALI connection)(5
CRI	>70 / >80 (4	*Body:* Die-cast aluminum
		Intelligent light control system: RF (radio frequency) / Power line

(1 Class I

(2 Class II

(3 340 - 380 W Ta = -40...+45ºC

(4 Luminaries with color rendering index (CRI): Ra >90 on request

(5 VIZULO reserves the right to use as standard 6 or 10kV surge protection device

(6 Average lifetime value for ECO model at Ta = 25C is 100 000h L80/B10*

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

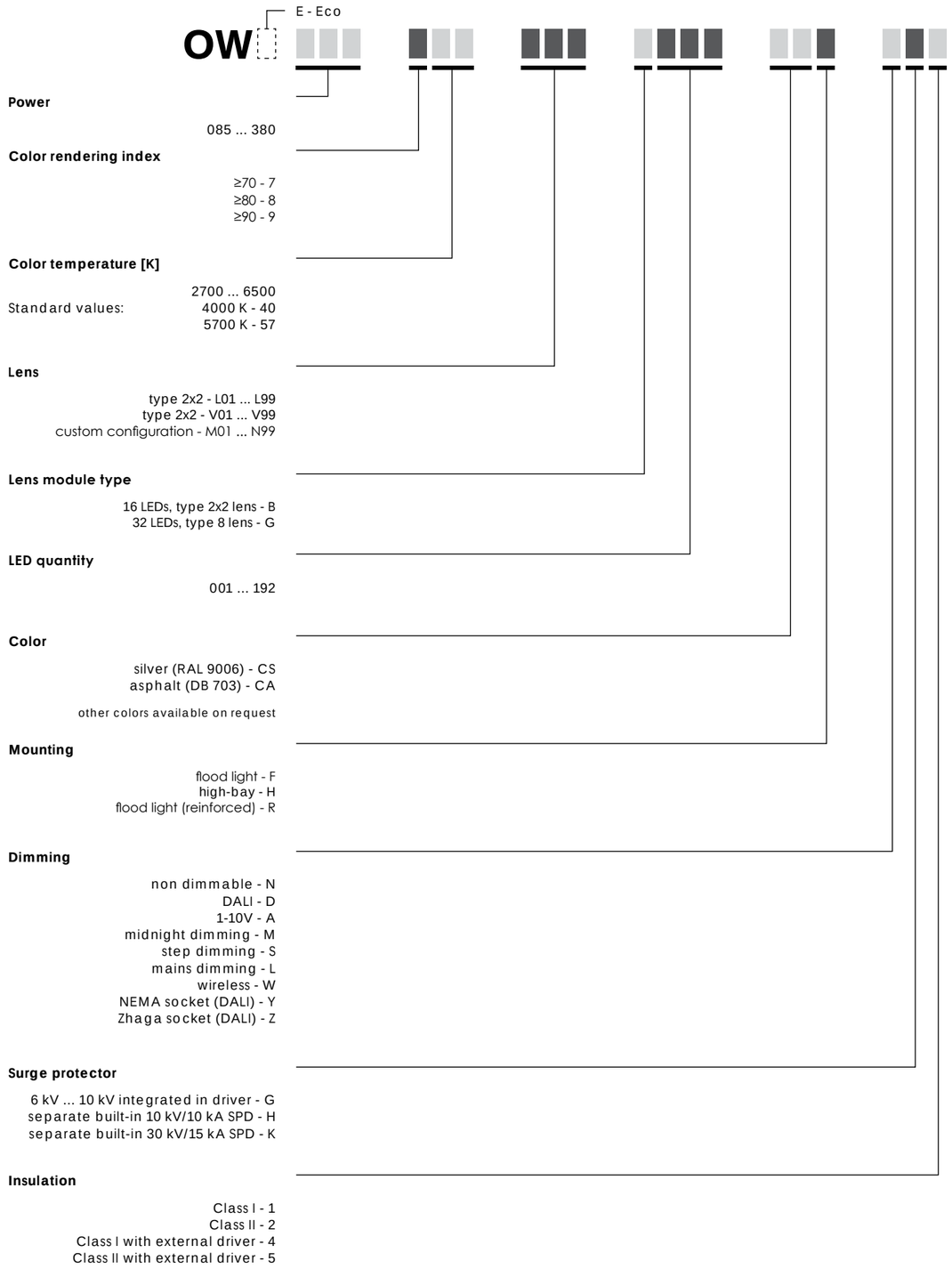
Standard modules

4000K

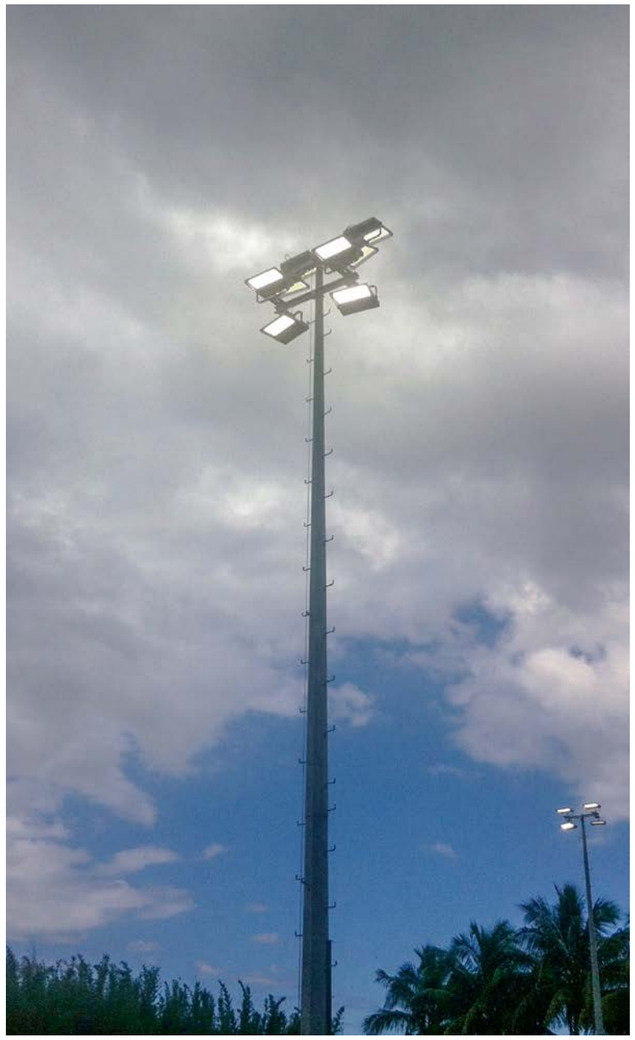
Number of LED's		80			96			112			128	
Nominal current, mA	350	500	720	350	500	720	350	520	720	350	500	720
Power, W	85	120	172	104	145	208	121	168	242	140	192	276
Luminous Flux, lm	11795	16017	21561	14190	19098	25855	16592	22229	30157	19164	25460	34539
Efficacy, lm/W	139	133	125	136	132	124	137	132	125	137	133	125
Power factor, PF	0,95	0,97	0,98	0,94	0,97	0,98	0,94	0,97	0,98	0,94	0,96	0,98

Number of LED's		144			160		
Nominal current, mA	350	500	720	350	500	710	780
Power, W	156	215	310	172	240	340	380
Luminous Flux, lm	21484	28608	38833	23834	32032	42710	46200
Efficacy, lm/W	138	133	125	139	133	126	122
Power factor, PF	0,94	0,97	0,98	0,95	0,97	0,98	0,96

Model name principles



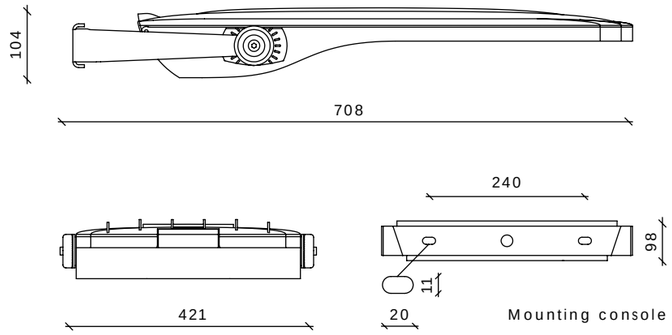
EXAMPLE OWE 085 730 L01 B048 CSF NG1



Réunion | France

Courchevel | France

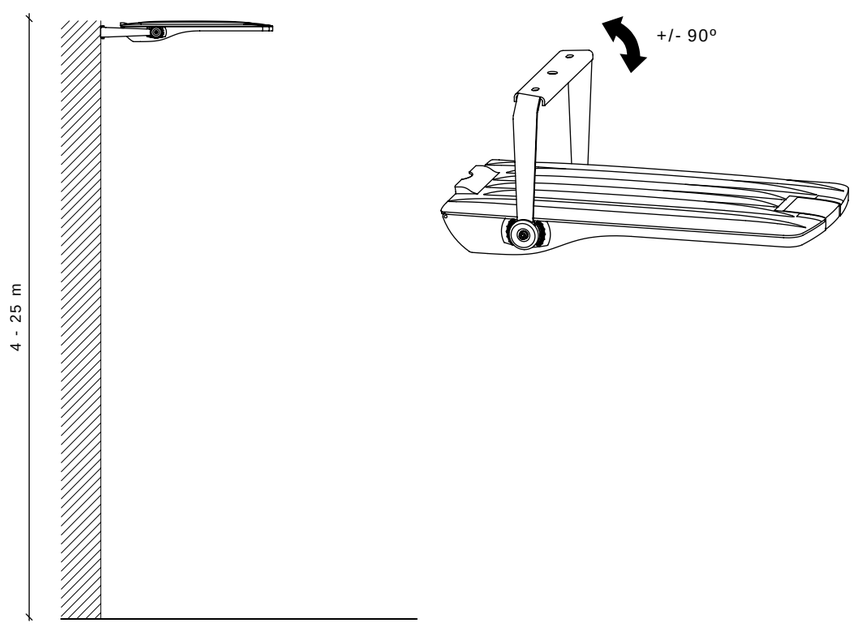
Stork floodlight



DB703

RAL9006

Other colors
available on request



Technical information

IP66 IK09 RoHS [8]

V	220 - 240
Hz	50 - 60
W	18 - 280
lm	2300 - 34660
lm/W	124 - 142
K	3000 / 4000 [1]
°C	-40 to +35 [2]
CRI	>70 / >80 [3]

1-10V; DALI; Midnight dimming
Radio frequency / Power line [4]
3; 6; 10 kV (optional) [5]
Warranty 5 years
100 000h (L80B10C10) [6]
100 000 h (L95B10C10) [7]

Body:	Die-cast aluminum
Neto weight:	12,26 - 14,30 kg
Max.wind load area, SCd, m2:	0,047

[1] 5000; 5700 K available on request

[2] 240 - 280 W at Ta = -40°C... +35°C

[3] Luminaries with color rendering index (CRI): Ra >90 on request

[4] Optional. Available only with DALI ; 1 - 10 V

[5] 10 kV (L-N; L/N-PE) surge protection device available on request

[6] Average lifetime value for ECO model at Ta = 25C is 100 000h L80/B10*

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

[7] Standard / High Power / High Density at Ta=25°C, this value is only informative and may change according to selected article

[8] Coming soon

Model name principles

SR

B - Basic | S - Smooth (finless) | E - Eco | F - Floodlight

Power

006 ... 280

Color rendering index

≥70 - 7
≥80 - 8

Color temperature [K]

2700 ... 6500
Standard values: 3000 K - 30
4000 K - 40

Lens

type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 6x1 - T01 ... T99
type 12 - Y01 ... Y99
custom configuration - M01 ... N99

Lens module type

8 LEDs, type 2x2 lens - A
16 LEDs, type 2x2 lens - B
78 LEDs, type 6x1 lens - C
108 LEDs, type 6x1 lens - D
36 LEDs, type 6x1 lens - E
16 LEDs, type 8 lens - F
32 LEDs, type 8 lens - G
24 LEDs, type 12 lens - H

LED quantity

001 ... 128

Color

sliver (RAL 9006) - CS
asphalt (DB 703) - CA

other colors available on request

Console

post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
floodlight - F

Dimming

non dimmable - N
DALI - D
1-10V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z

Surge protector

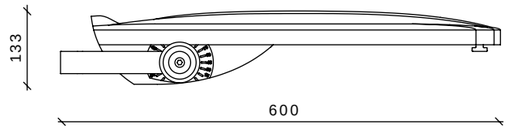
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

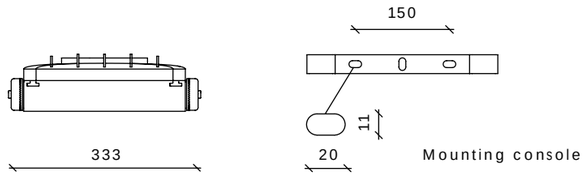
Insulation

class I - 1
class II - 2
class III - 3

EXAMPLE SRF 250 730 V01 G128 CSN DG1

Stork little brother floodlight



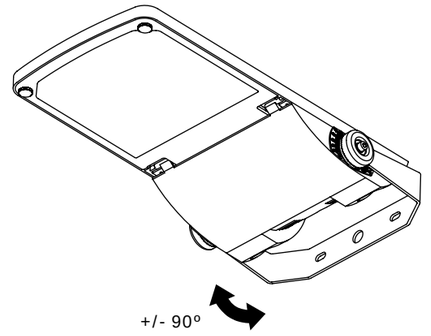


Mounting console

DB703

RAL9006

Other colors
available on request



Technical information

IP66 IK10 RoHS [8]

V	220 - 240
Hz	50 - 60
W	18 - 178
	18 - 200 [1]
lm	2110 - 22300
lm/W	112 - 148
K	3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1-10V; DALI; Midnight dimming
Radio frequency / Power line [4]
3; 6; 10 kV (optional) [5]
Warranty 5 years
100 000h (L80B10C10) [6]
100 000 h (L95B10C10) [7]

Body:	Die-cast aluminum
Neto weight:	6,1 - 7,2 kg
Max.wind load area, SCd, m2:	0,041

[1] Not in production

[2] 5000; 5700 K available on request

[3] Luminaries with color rendering index (CRI): Ra >90 on request

[4] Optional. Available only with DALI ; 1 - 10 V

[5] 10 kV (L-N; L/N-PE) surge protection device available on request

[6] Average lifetime value for ECO model at Ta = 25C is 100 000h L80/B10*

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

[7] Standard / High Power / High Density at Ta=25°C, this value is only informative and may change according to selected article

[8] Coming soon

Model name principles

B - Basic | F - Flood (flood light) | S - Smooth (finless) | E - Eco

SRL [ ]

Power

005 ... 200

Color rendering index

≥70 - 7
≥80 - 8

Color temperature [K]

2700 ... 6500
Standard values: 3000 K - 30
4000 K - 40

Lens

type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 6x1 - T01 ... T99
type 12 - Y01 ... Y99
type 1 - Z01 ... Z99
custom configuration - M01 ... N99

Lens module type

8 LEDs, type 2x2 lens - A
16 LEDs, type 2x2 lens - B
36 LEDs, type 6x1 lens - E
16 LEDs, type 8 lens - F
32 LEDs, type 8 lens - G
24 LEDs, type 12 lens - H
4 LEDs, type 1 lens - P

LED quantity

001 ... 096

Color

sliver (RAL 9006) - CS
asphalt (DB 703) - CA

other colors available on request

Console

post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
flood light - F

Dimming

non dimmable - N
DALI - D
1-10V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z

Surge protector

6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation

class I - 1
class II - 2
class III - 3

EXAMPLE SRLF 150 740 V35 G080 CSF DG1

Mini martin floodlight

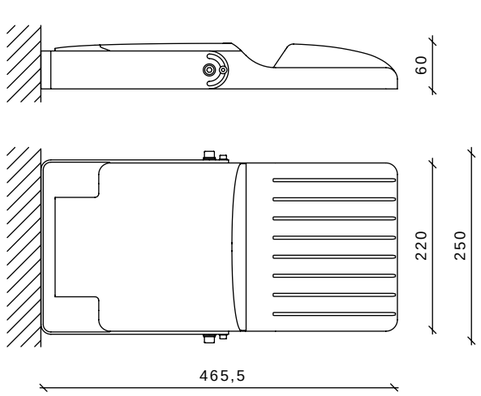
with fins

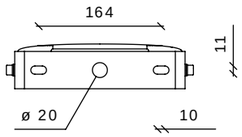
smooth

tool-less

tool-less
smooth

Mini martin floodlight with fins

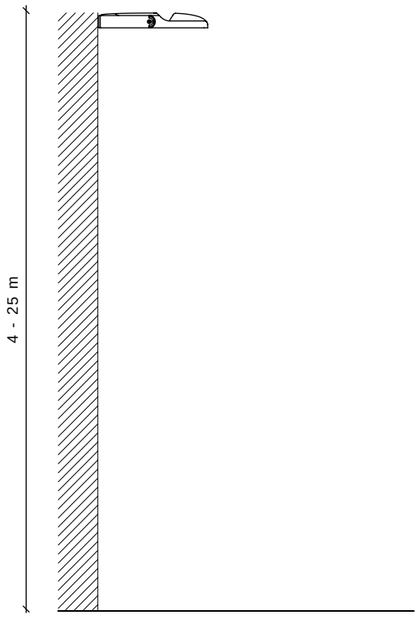


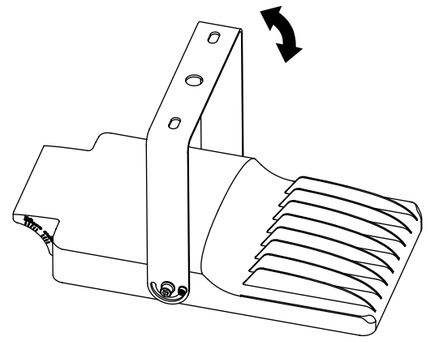


DB703

RAL9006

Other colors
available on request





Technical information

IP66 | IK08 | IK09[5] | CE | RoHS

V	220 - 240
Hz	50 - 60
W	10 - 110
lm	1100 - 13550
lm/W	110 - 136
K	3000 / 4000 [1]
°C	-40 to +50
CRI	>70 / >80 [2]

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Radio frequency [4]
3; 6; 10 kV (optional) [5]
Warranty 5 years
100 000 h (L95B10C10) at Ta = 25 °C

Surge protection:	6kV; 10 kV
Body:	Die-cast aluminum
Spigot:	ø 40-60, with accessories ø 32; ø 76

[1] 5000 K available on request
[2] Luminaires with color rendering (CRI): Ra >90 on request
[3] 10kV (L-N; L/N-PE) surge protection device available on request
[4] Optional. Available only with DALI; 1 - 10 V
[5] IK09 - screw version with tempered unprinted glass

Standard modules

Only with optic 01 / 02 / 03

4000K

Number of LED's		8			16			24			36 *	
Nominal current, mA	350	520	700	350	500	720	370	500	700	350	500	710
Power, W	10	15	19	18	26	37	29	39	52	40	55	78
Luminous Flux, lm	1100	1697	2147	2230	3230	4460	3725	4941	6409	5331	7193	9664
Efficacy, lm/W	110	113	113	124	124	121	128	127	123	133	131	124
Power factor, PF	0,74	0,85	0,9	0,89	0,95	0,97	0,93	0,95	0,97	0,95	0,98	0,98

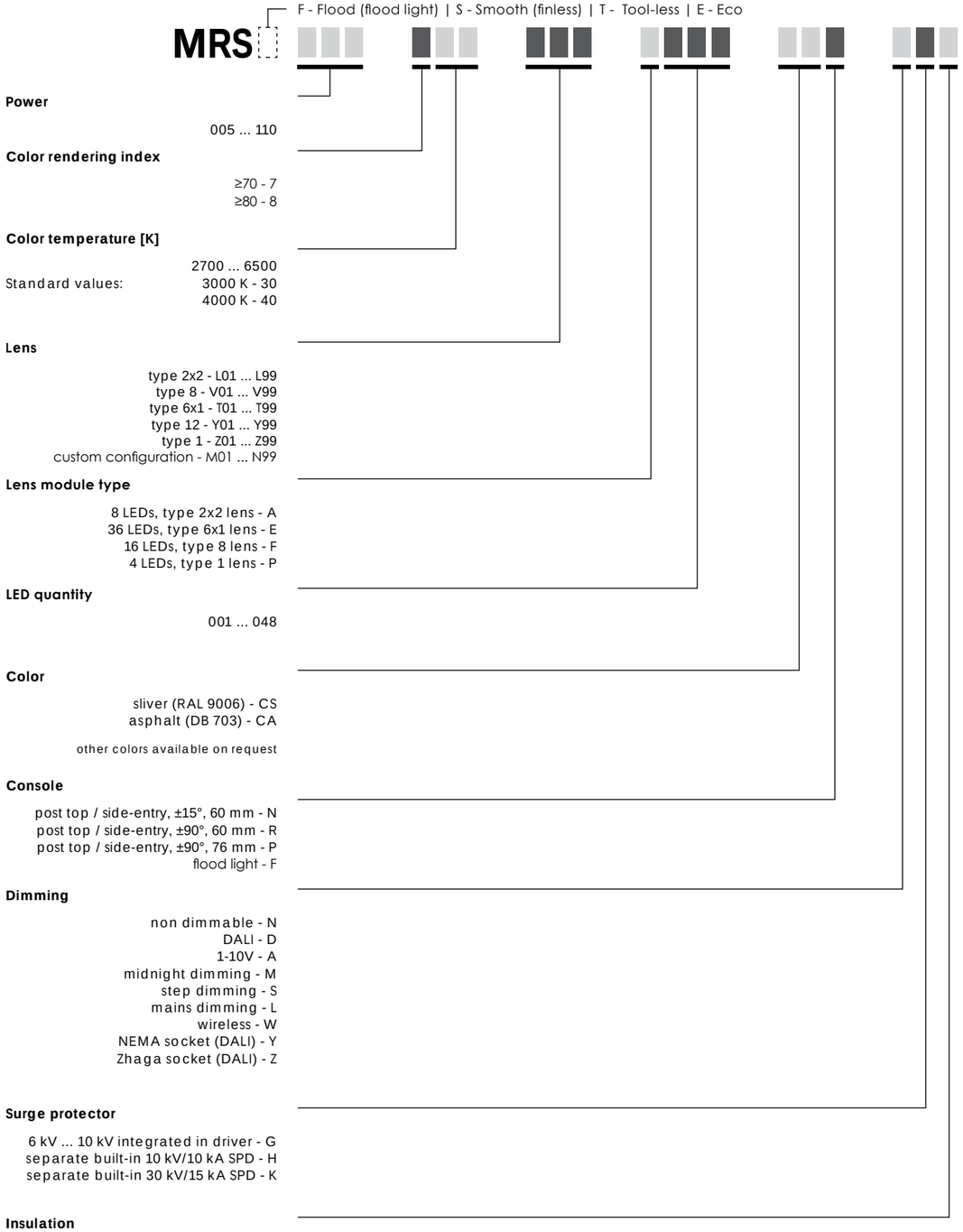
High density modules

Only with optic 01 / 04 / 05 / 20 / 22 / 35

4000K

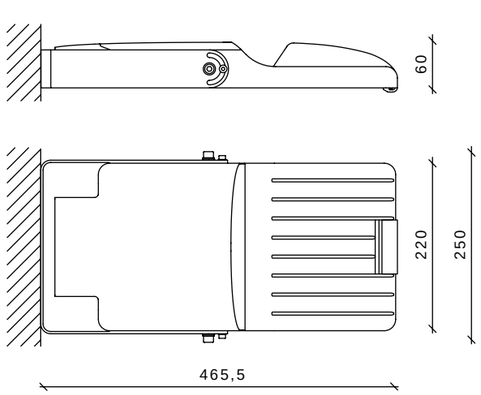
Number of LED's		16 *			32 *			48 *		
Nominal current, mA	350	500	720	350	500	700	350	520	700	760
Power, W	18	26	37	37	50	68	53	76	102	110
Luminous Flux, lm	2230	3230	4460	4870	6488	8474	7194	9953	12813	13550
Efficacy, lm/W	124	124	121	131	130	125	136	131	126	123
Power factor, PF	0,89	0,95	0,97	0,95	0,97	0,97	0,96	0,98	0,96	0,97

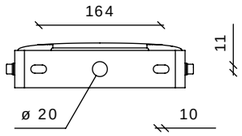
Model name principles



EXAMPLE MRSF 037 740 L01 A016 CSF DG1

Mini martin floodlight tool-less

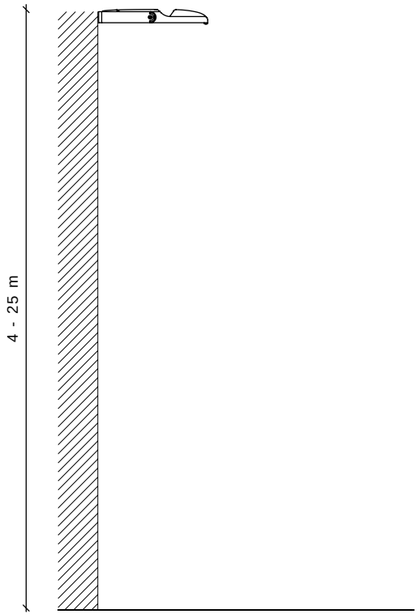


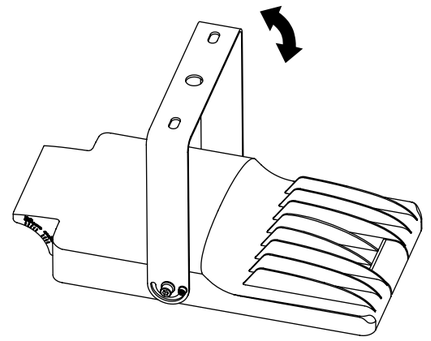


DB703

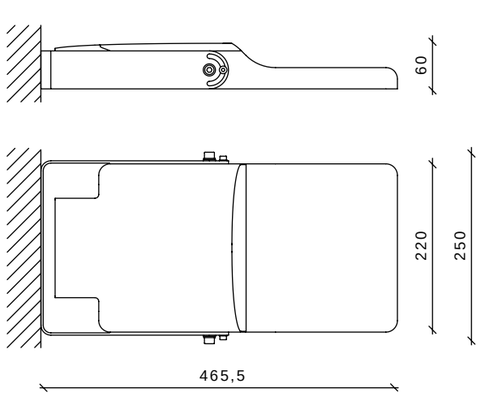
RAL9006

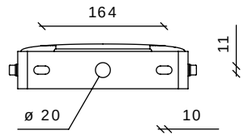
Other colors
available on request





Mini martin floodlight smooth

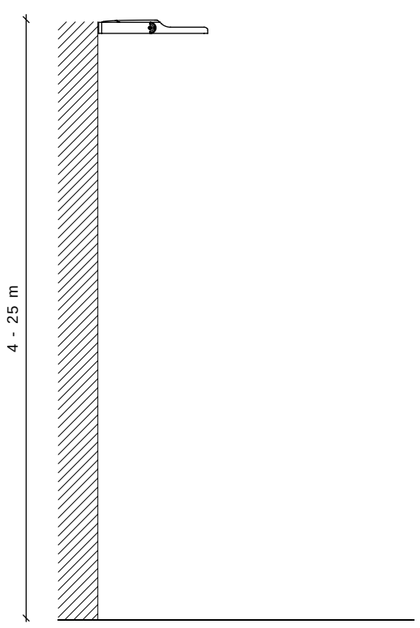


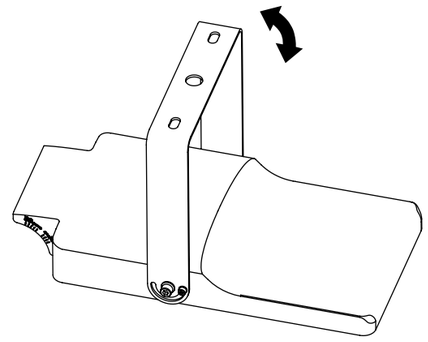


DB703

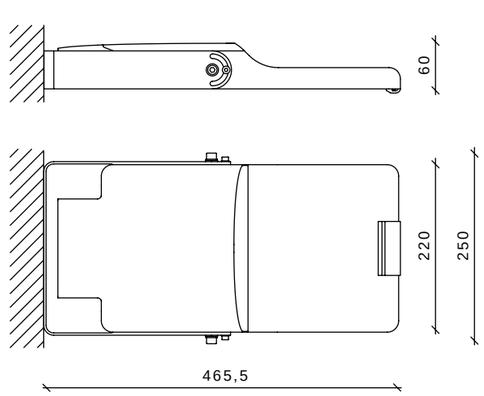
RAL9006

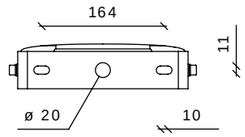
Other colors
available on request





Mini martin floodlight tool-less smooth

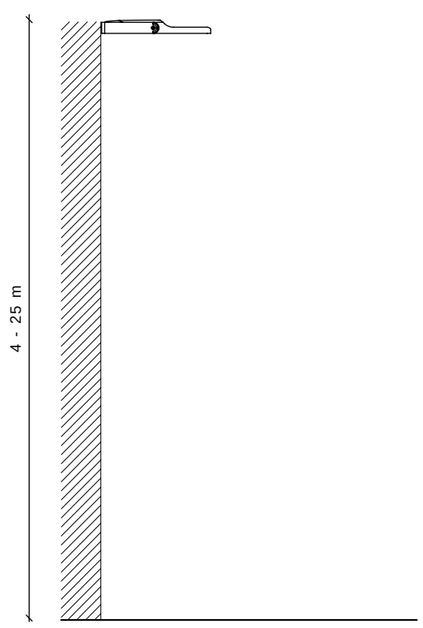


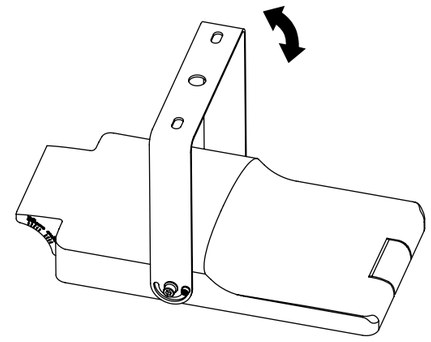


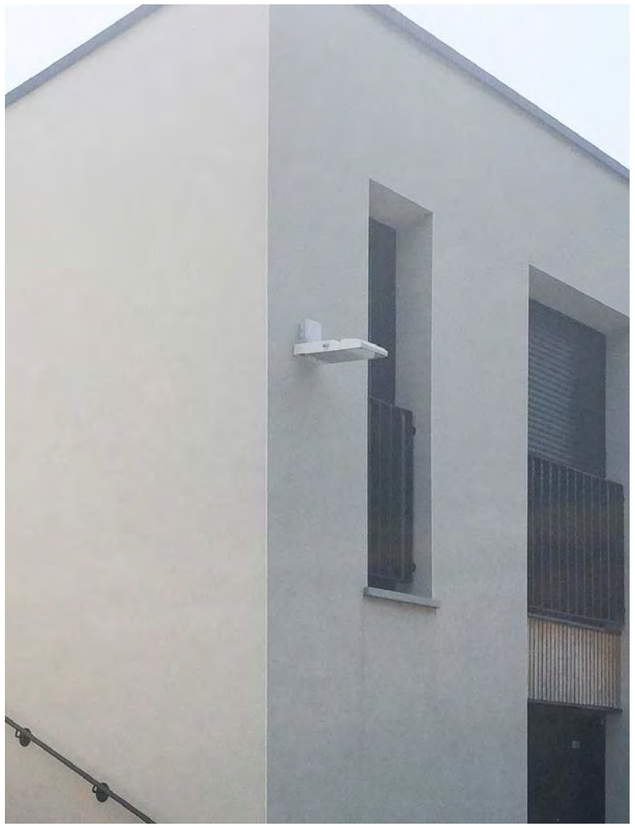
DB703

RAL9006

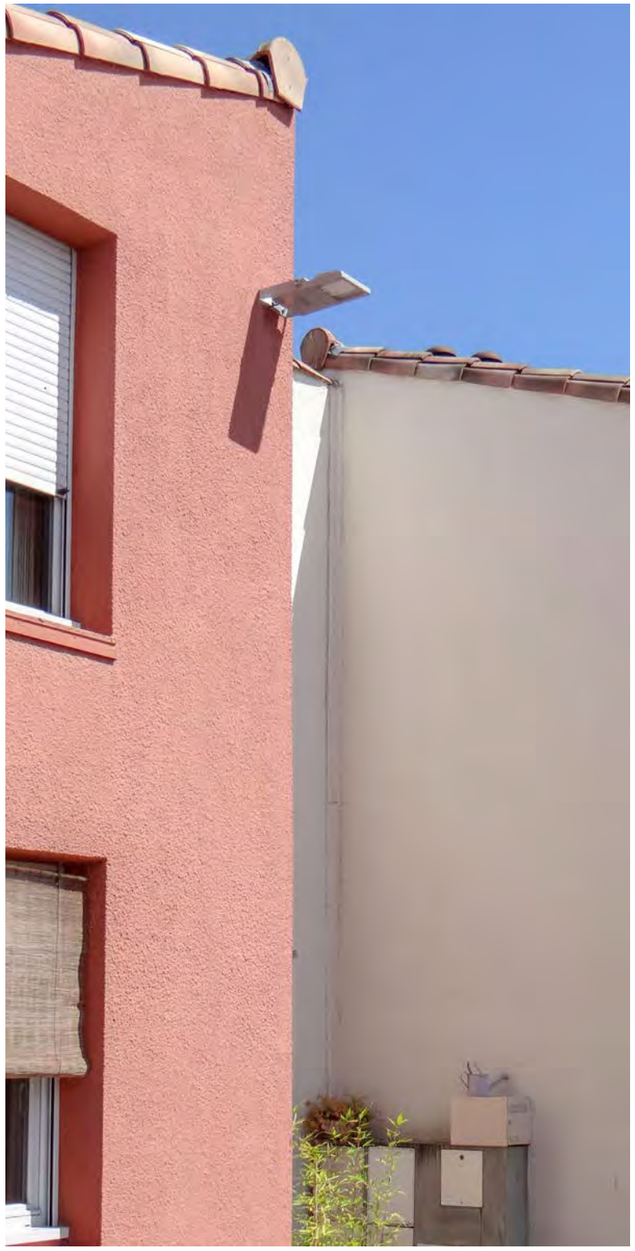
Other colors
available on request







Bois-Guillaume | France



Lunel | France

Micro martin floodlight

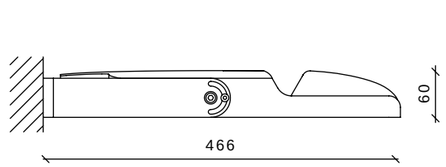
with fins

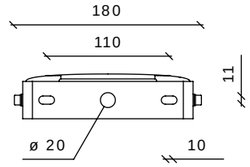
smooth

tool-less

tool-less
smooth

Micro martin floodlight with fins

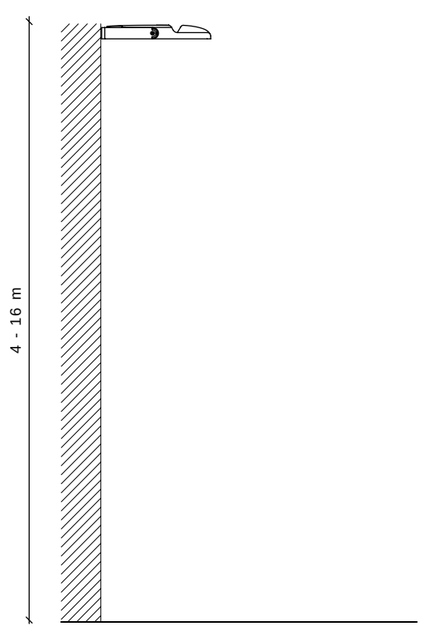


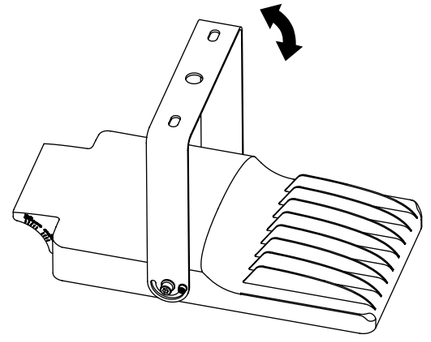


DB703

RAL9006

Other colors
available on request





Technical information

IP66 IK08 CE

V	220 - 240	1-10V; DALI; Midnight dimming	
Hz	50 - 60	Chromaticity tolerance (initial MacAdam): 5	
W	5 - 75	Warranty 5 years	
	5 - 50 (1	100 000 h (L95B10C10) at Ta = 25 °C	
lm	470 - 8875		
	470 - 6447 (1		
lm/W	90 - 132	*Surge protection:*	6kV / seperate built-in 10 kV
K	3000 / 4000	*Body:*	Die-cast aluminum
°C	-40 to +50		
CRI	>70 / >80 (2		

(1 Smooth

(2 Luminaires with color rendering (CRI): Ra >90 on request

* Preliminary and will change according to testing results. Data may not be used for tenders or purchasing
Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

MRU

F - Flood (flood light) | S - Smooth (finless) | T - Tool-less | E - Eco

Power

005 ... 075

Color rendering index

≥70 - 7
≥80 - 8

Color temperature [K]

2700 ... 6500
Standard values: 3000 K - 30
4000 K - 40

Lens

type 2x2 - L01 ... L99
type 8 - V01 ... V99
custom configuration - M01 ... N99

Lens module type

8 LEDs, type 2x2 lens - A
16 LEDs, type 8 lens - F

LED quantity

001 ... 032

Color

sliver (RAL 9006) - CS
asphalt (DB 703) - CA

other colors available on request

Console

post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
flood light - F

Dimming

non dimmable - N
DALI - D
1-10V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z

Surge protector

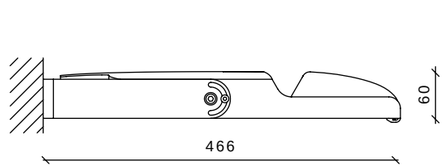
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

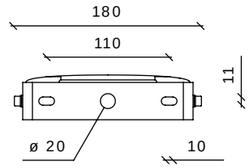
Insulation

class I - 1
class II - 2
class III - 3

EXAMPLE MRUFE 050 740 L10 A016 CSF DG1

Micro martin floodlight tool-less

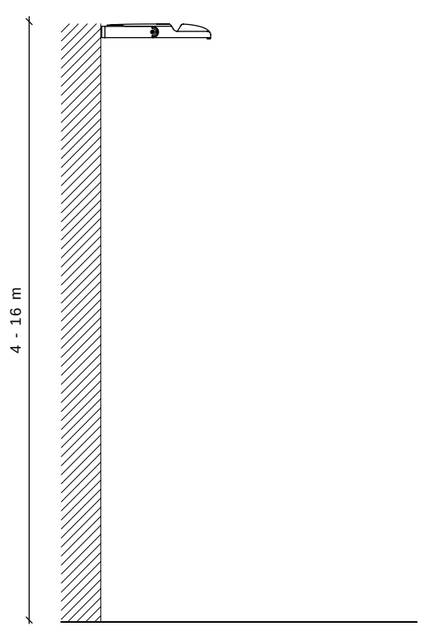


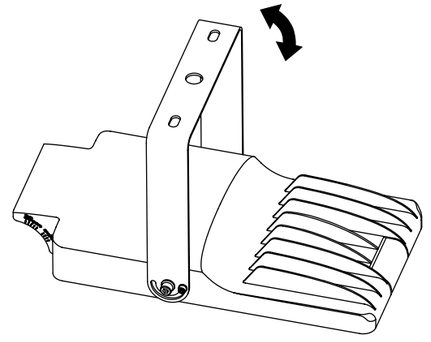


DB703

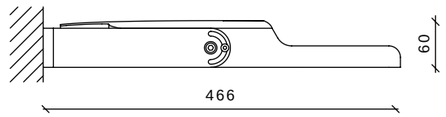
RAL9006

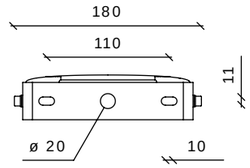
Other colors
available on request





Micro martin floodlight smooth

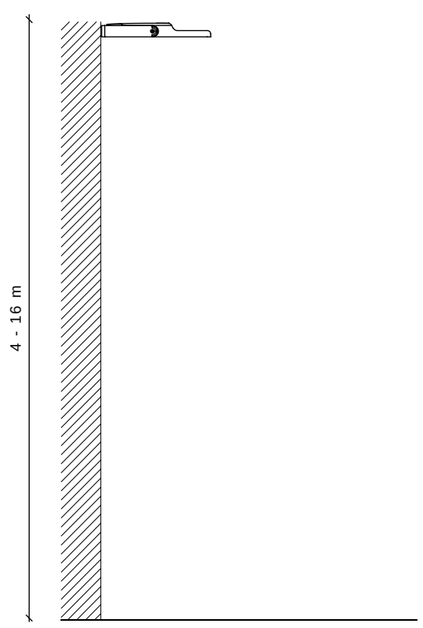


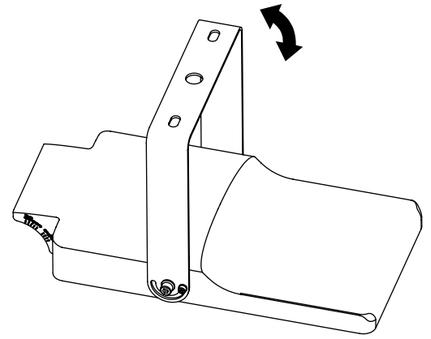


DB703

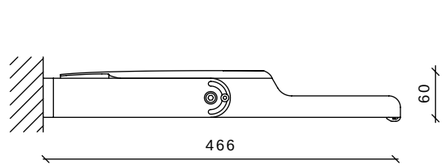
RAL9006

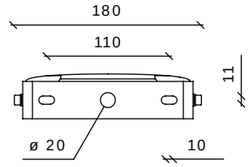
Other colors
available on request





Micro martin floodlight tool-less smooth

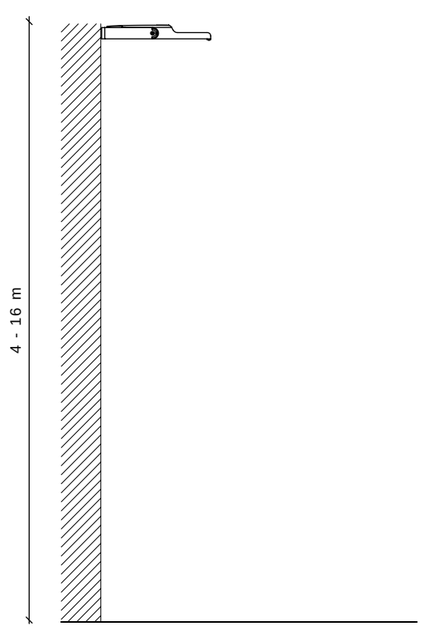


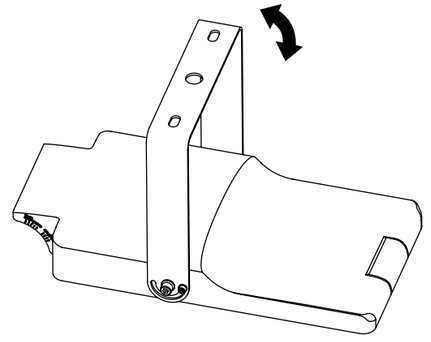


DB703

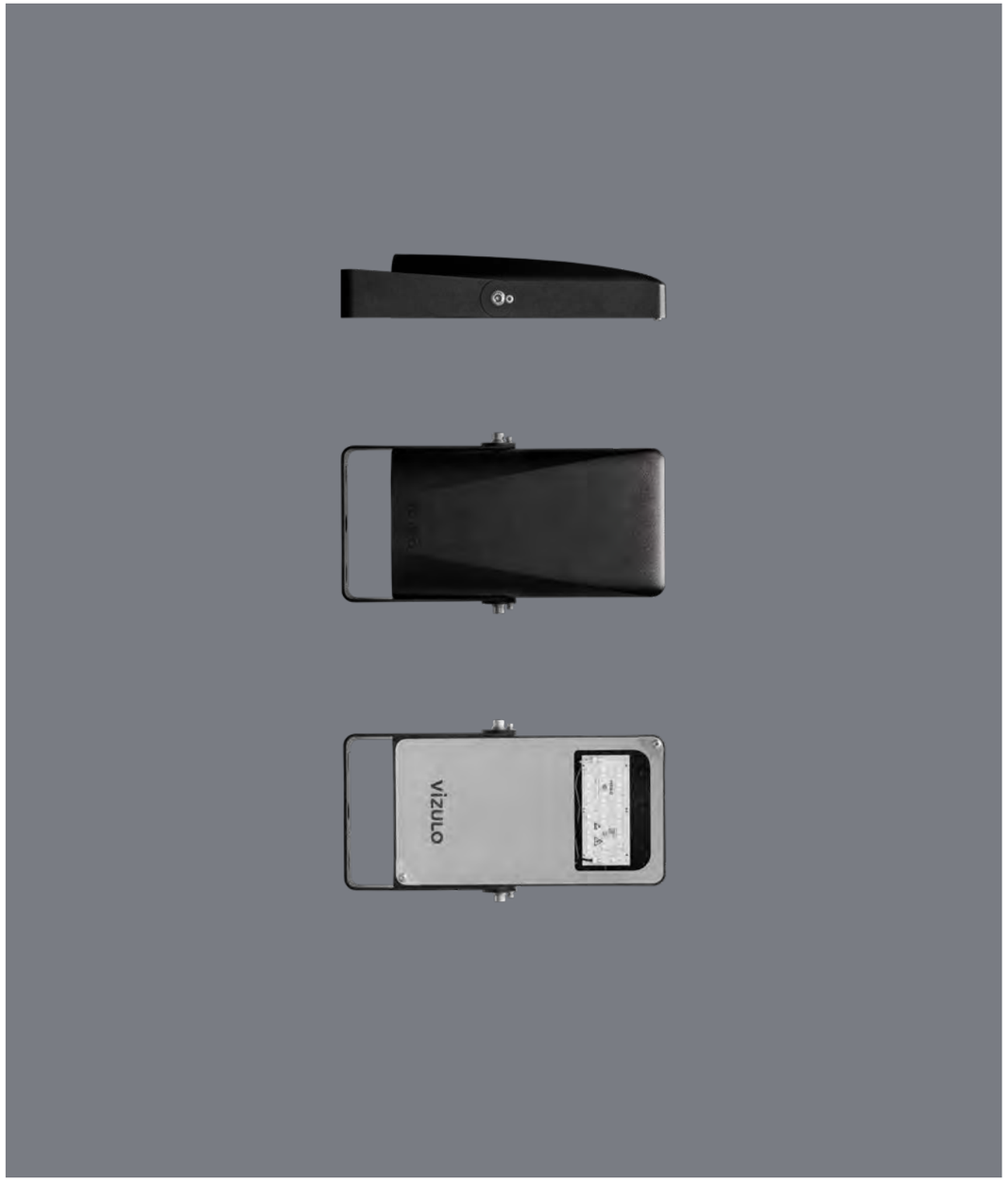
RAL9006

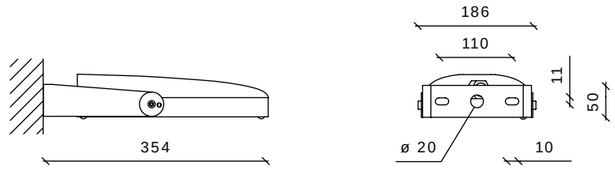
Other colors
available on request





Colibri floodlight

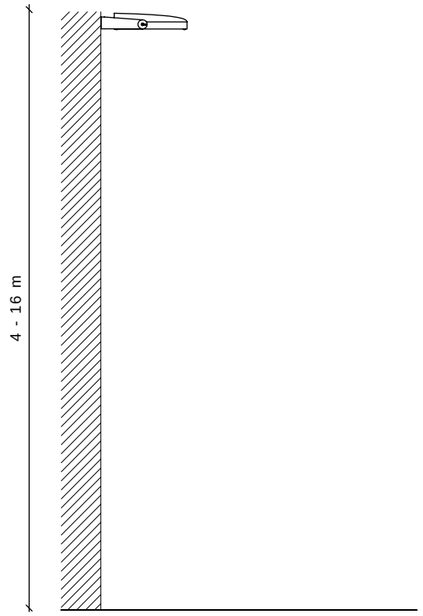


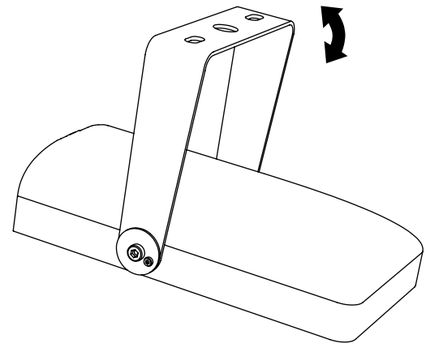


DB703

RAL9006

Other colors
available on request





Technical information

IP66 IK09

V	220 - 240	*Dimming:*	Non-dimmable [5]
Hz	50 - 60	*Surge protection:*	Min 4kV (standard) [6]
mA	up to 1000	*Body:*	Die-cast aluminum
W	5 - 35 [1]		
	36 - 45 [2]		
lm	up to 5050		
lm/W	up to 115		
K	3000 / 4000 [3]		
°C	-40 ... +50 (standard)		
CRI	>70 [4]		

[1] -40 ... +50

[2] -40 ... +35

[3] Available on request

[4] Color rendering index (CRI): Ra >80, Ra >90 is available according to special orders for extra price!

[5] DALI, Midnight dimming (Optional) available for extra price!

[6] 10 kV (L-N; L/N-PE) surge protection device available on request for extra price!

Min. One luminaire type order 130 pcs

Model name principles

CL [ ] — F - Flood (flood light) | E - Eco

Power

005 ... 045

Color rendering index

≥70 - 7
≥80 - 8

Color temperature [K]

2700 ... 6500
Standard values: 3000 K - 30
4000 K - 40

Lens

type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 16 - S01 ... S99
custom configuration - M01 ... N99

LED module type

8 LEDs, type 2x2 lens - A
16 LEDs, type 8 lens - F
32 LEDs, type 16 lens - Q
32 LEDs, type 2x2 lens - S

LED quantity

001 ... 032

Color

sliver (RAL 9006) - CS
asphalt (DB 703) - CA

other colors available on request

Console

side-entry, 42 ... 60 / post top, 60mm - K
side-entry, 42 ... 60 mm - S
flood light - F

Dimming

non dimmable - N
DALI - D
1-10V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z

Surge protector

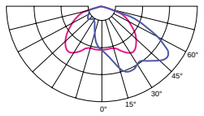
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation

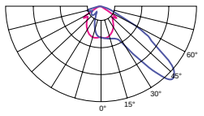
class I - 1
class II - 2

Optics
floodlight luminaires

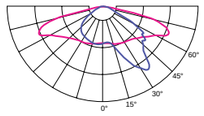
07



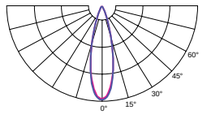
08



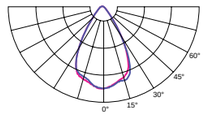
09



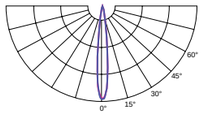
13



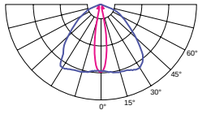
14



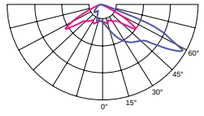
15



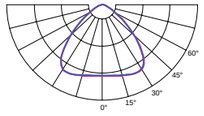
16



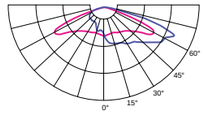
M17 *



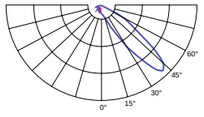
24



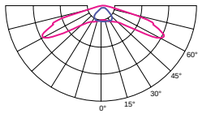
35



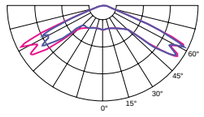
37



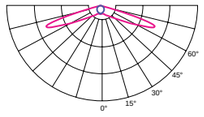
43



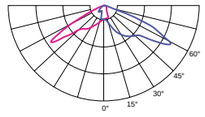
44



45



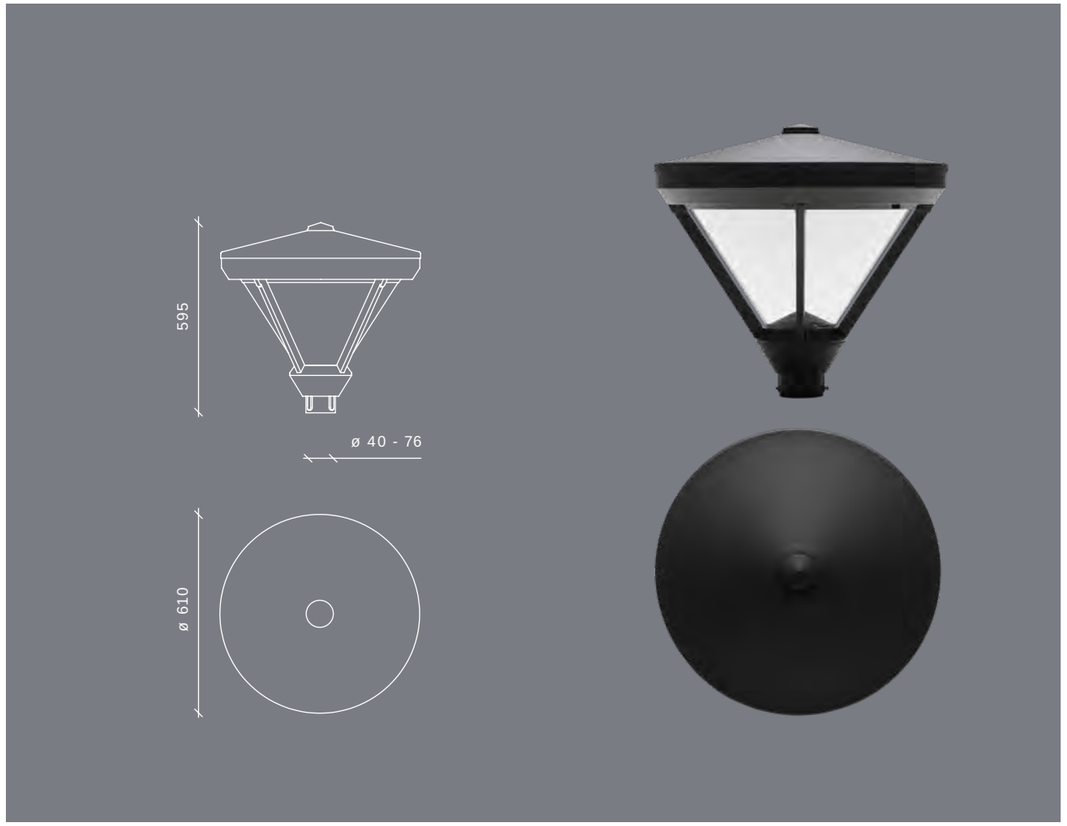
48

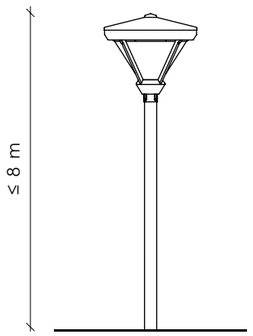


* Only for Mustang

Owl
Vestmannaeyjum | Iceland

Crocus





Technical information

IP54 IK08 CE KEMA KEUR RoHS

V	220 - 240
Hz	50 - 60
W	15 - 100
lm	1275 - 11280
lm/W	108 - 122
K	3000 / 4000
°C	-40 to +40
CRI	>70 / >80 [1]

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
>70 000 h (L90B10) at Ta = 25 °C [2]

Surge protection:	6kV (L-N) and 10 kV (L/N -PE without DALI connection) [3]
Intelligent light control system:	Radio frequency / Power line

[1] Luminaries with color rendering index (CRI): Ra >90 on request

[2] This value is only informative and may change according to selected article

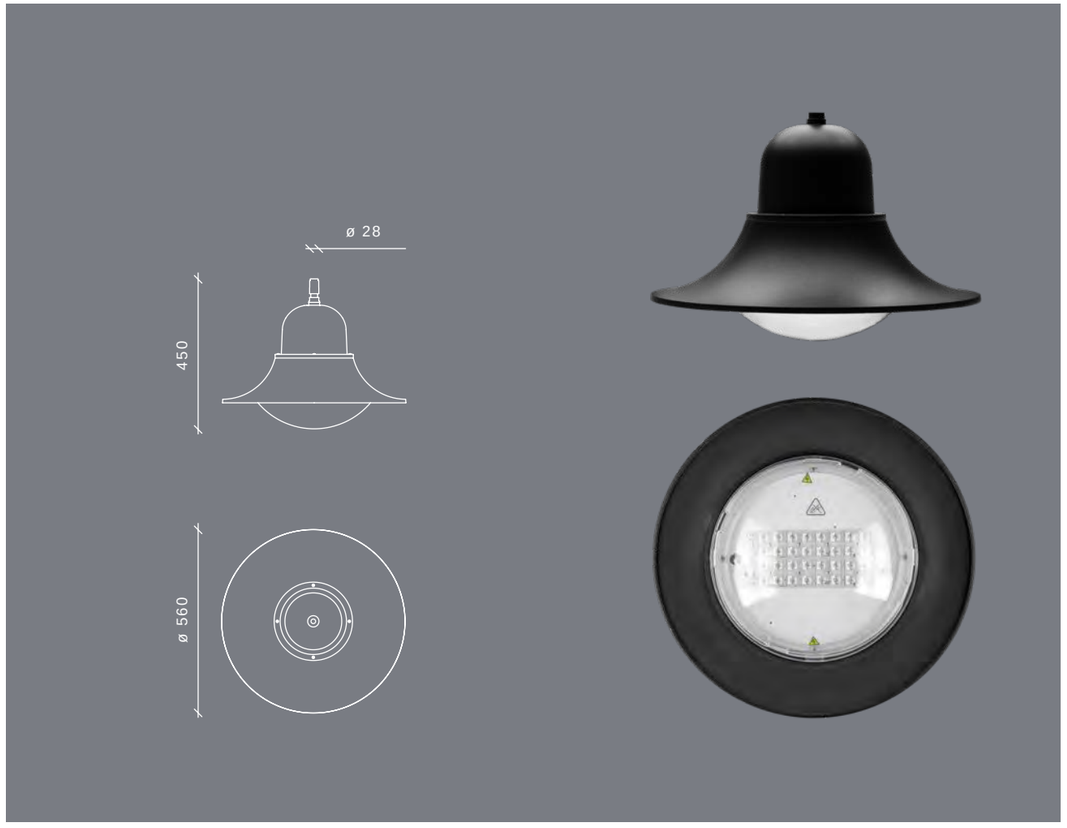
[3] 10 kV (L-N; L/N-PE) surge protection device available on request

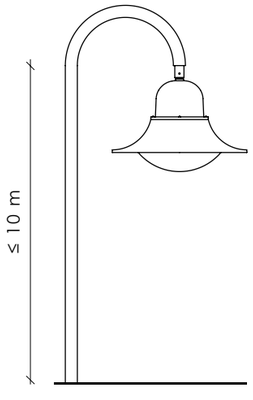
Standard modules

4000K

Number of LED's		16			32			48	
Nominal current, mA	350	500	720	350	500	700	350	500	700
Power, W	18	26	37	37	49	68	54	73	100
Luminous Flux, lm	2030	2880	3980	4390	5740	7600	6570	8560	11280
Efficacy, lm/W	113	111	108	119	117	112	122	117	111
Power factor, PF	0,9	0,95	0,97	0,95	0,97	0,97	0,96	0,97	0,98

Bell





Technical information

IP54 IK08 CE KEMA KEUR RoHS

V	220 - 240
Hz	50 - 60
W	15 - 82
lm	1375 - 10780
lm/W	120 - 138
K	3000 / 4000
°C	-40 to +40
CRI	>70 / >80 [1]

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
>70 000 h (L90B10) at Ta = 25 °C [2]

Surge protection:	6kV (L-N) and 10 kV (L/N -PE without DALI connection) [3]
Intelligent light control system:	Radio frequency / Power line

[1] Luminaries with color rendering index (CRI): Ra >90 on request

[2] This value is only informative and may change according to selected article

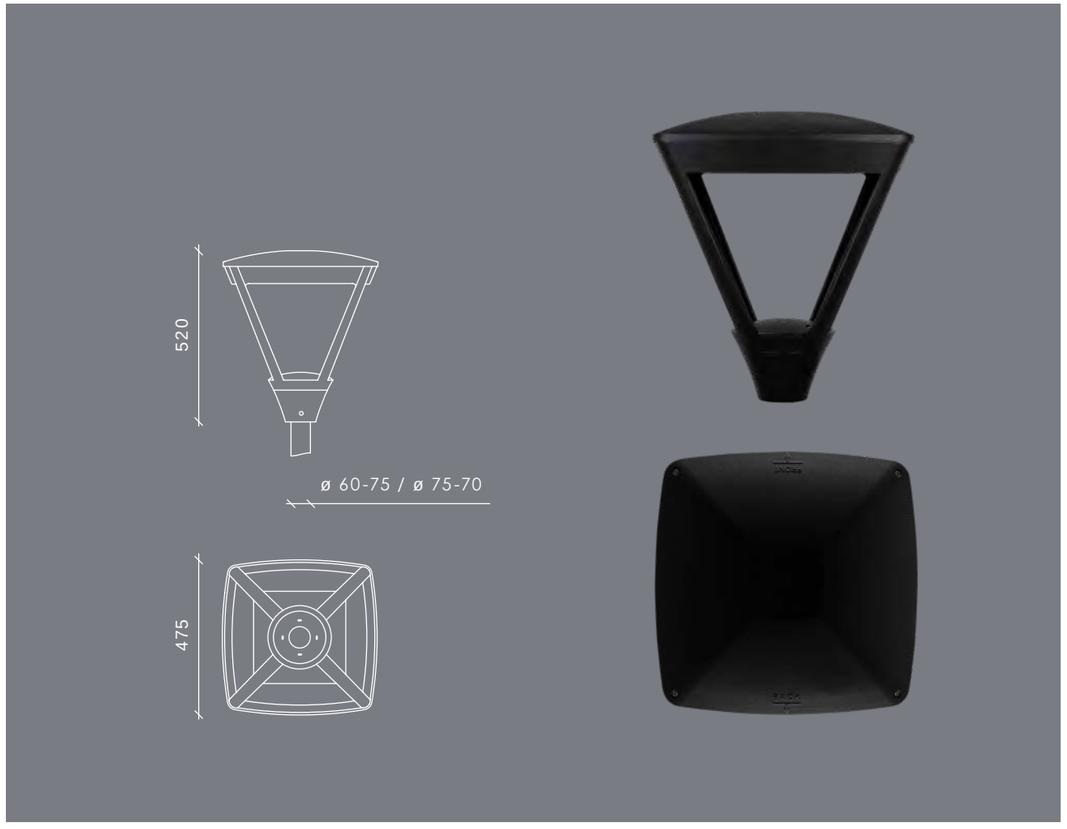
[3] 10 kV (L-N; L/N-PE) surge protection device available on request

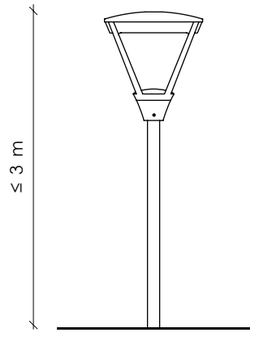
Standard modules

4000K

Number of LED's		16			32			48	
Nominal current, mA	270	520	720	370	520	690	350	520	570
Power, W	15	27	37	37	51	68	53	75	82
Luminous Flux, lm	1910	3460	4600	5060	6860	8670	7290	9960	10780
Efficacy, lm/W	127	128	124	137	135	128	138	133	131
Power factor, PF	0,85	0,95	0,97	0,95	0,97	0,97	0,96	0,98	0,98

Lilly





Technical information

IP66 IK08 CE EAC RoHS

V	220 - 240
Hz	50 - 60
W	18 - 100
lm	1625 - 10390 [1]
lm/W	90 - 112 [1]
K	3000 / 4000
°C	-40 to +40
CRI	>70 / >80 [2]

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
>70 000 h (L90B10) at Ta = 25 °C [3]

Surge protection:	6kV (L-N) and 10 kV (L/N -PE without DALI connection) [4]
Intelligent light control system:	Radio frequency / Power line

[1] Preliminary data

[2] Luminaries with color rendering index (CRI): Ra >90 on request

[3] This value is only informative and may change according to selected article

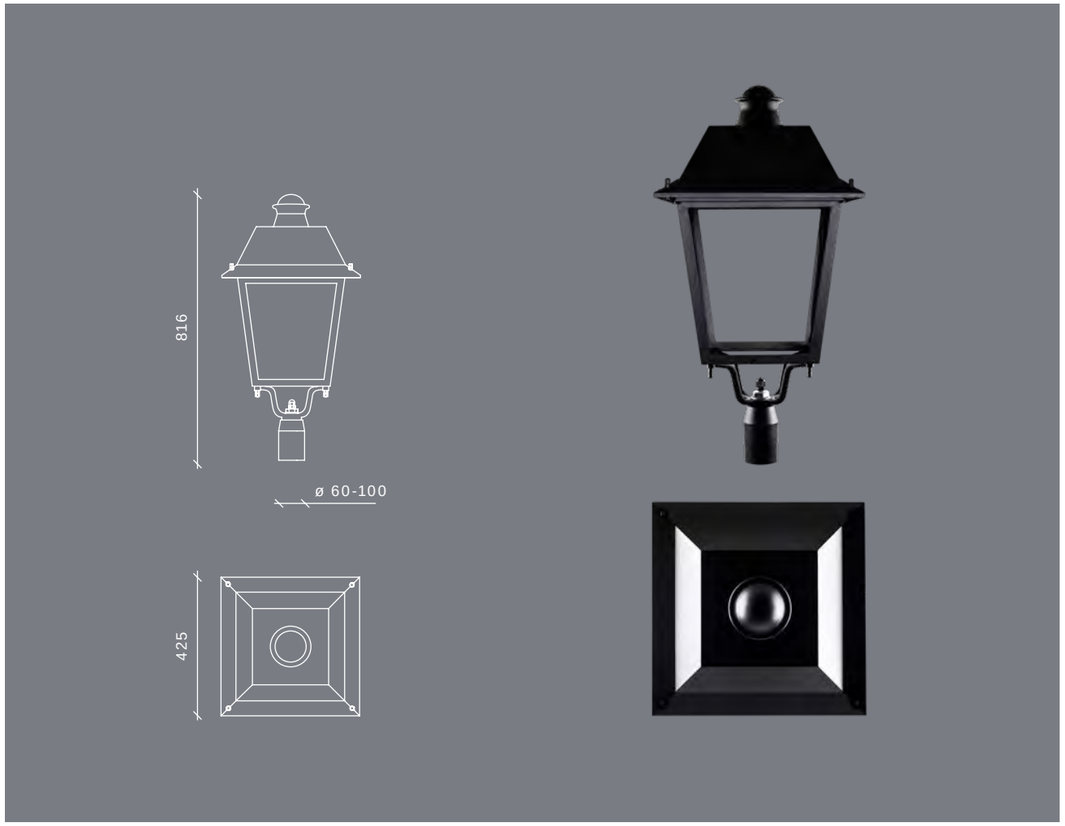
[4] 10 kV (L-N; L/N-PE) surge protection device available on request

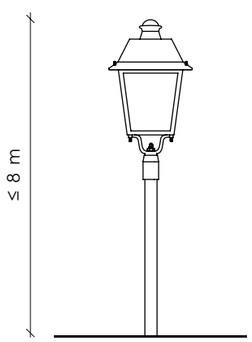
Standard modules

4000K

Number of LED's		16			32			48	
Nominal current, mA	350	520	730	370	510	690	370	520	690
Power, W	15	27	37	37	50	68	53	75	100
Luminous Flux, lm	1540	2790	3740	4090	5450	7090	5960	8140	10390
Efficacy, lm/W	103	103	101	111	109	104	112	109	104
Power factor, PF	0,85	0,95	0,97	0,95	0,97	0,97	0,96	0,98	0,98

Orris basic





Technical information

IP65 IK08 CE RoHS

V	20 - 240
Hz	50 - 60
W	10 - 75
lm	960 - 8050
lm/W	95 - 112
K	3000 / 4000
°C	-40 to +40 [1
	-40 to +50 [2
CRI	>70 / >80 [3

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L90B10) at Ta = 25 °C

Surge protection:	6kV (L-N) and 10 kV (L/N -PE without DALI connection) [4
Intelligent light control system:	Radio frequency / Power line

[1 10 - 75 W

[2 10 - 50 W

[3 Luminaries with color rendering index (CRI): Ra >90 on request

[4 10 kV (L-N; L/N-PE) surge protection device available on request

Standard modules

4000K

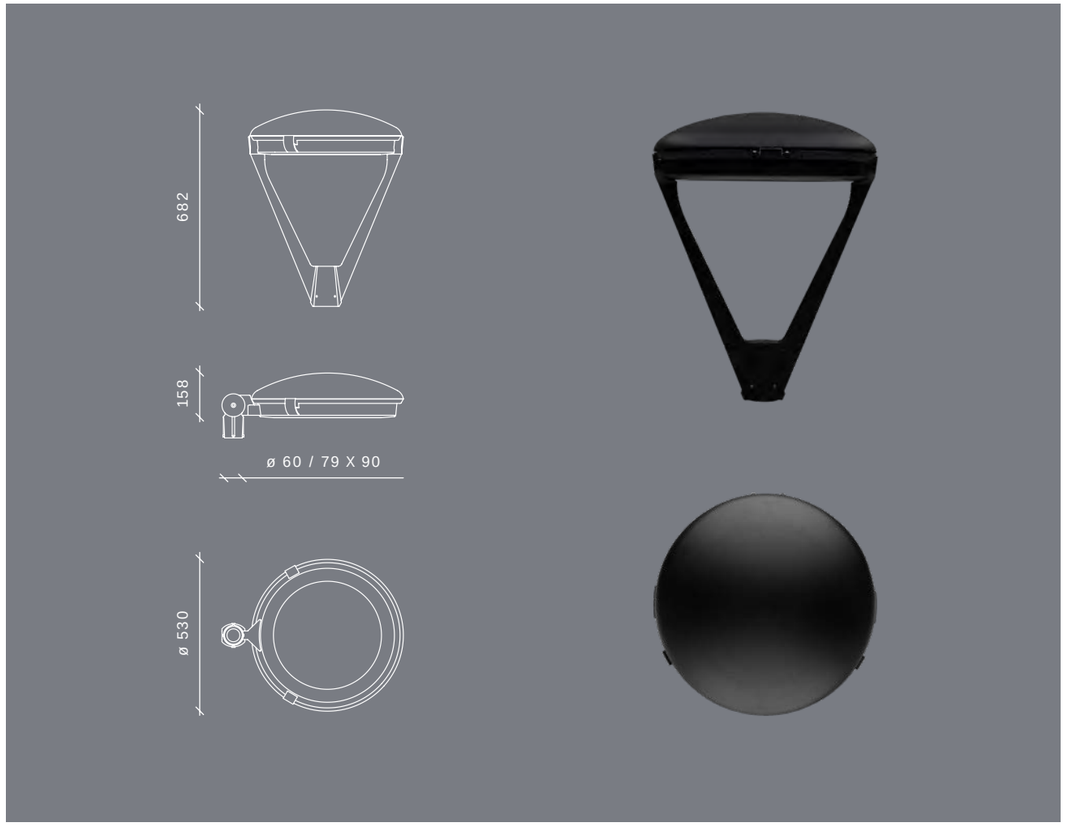
Number of LED's		8			16	
Nominal current, mA	330	500	700	350	500	700
Power, W	10	14	19	19	26	36
Luminous Flux, lm	990	1430	1930	2090	2880	3870
Efficacy, lm/W	99	102	102	110	111	108
Power factor, PF	0,8	0,83	0,91	0,9	0,95	0,97

High Density modules

4000K

Number of LED's		16			32	
Nominal current, mA	330	500	700	350	500	750
Power, W	18	26	36	35	50	75
Luminous Flux, lm	2010	2890	3870	4190	5810	8050
Efficacy, lm/W	112	111	108	120	116	107
Power factor, PF	0,8	0,83	0,91	0,9	0,95	0,97

Allium



Technical information

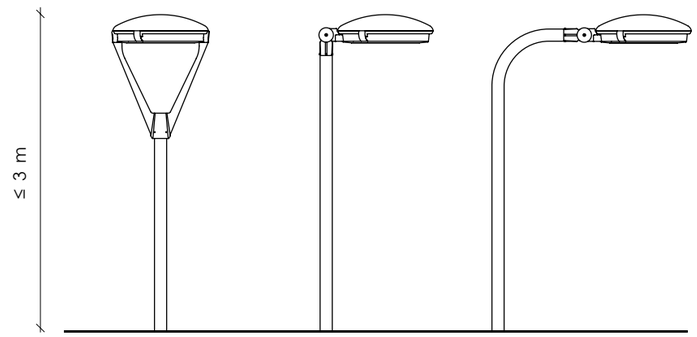
IP54 IK08 CE RoHS

V	220 - 240
Hz	50 - 60
W	15 - 70
lm	1540 - 7780 [1]
lm/W	101 - 118 [1]
K	3000 / 4000
ºC	-40 to +40
CRI	>70 / >80 [2]

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
>70 000 h (L90B10) at Ta = 25 °C [3]

Surge protection:	6kV (L-N) and 10 kV (L/N -PE without DALI connection) [4]
Intelligent light control system:	Radio frequency / Power line

[1] Preliminary data
[2] Luminaries with color rendering index (CRI): Ra >90 on request
[3] This value is only informative and may change according to selected article
[4] 10 kV (L-N; L/N-PE) surge protection device available on request

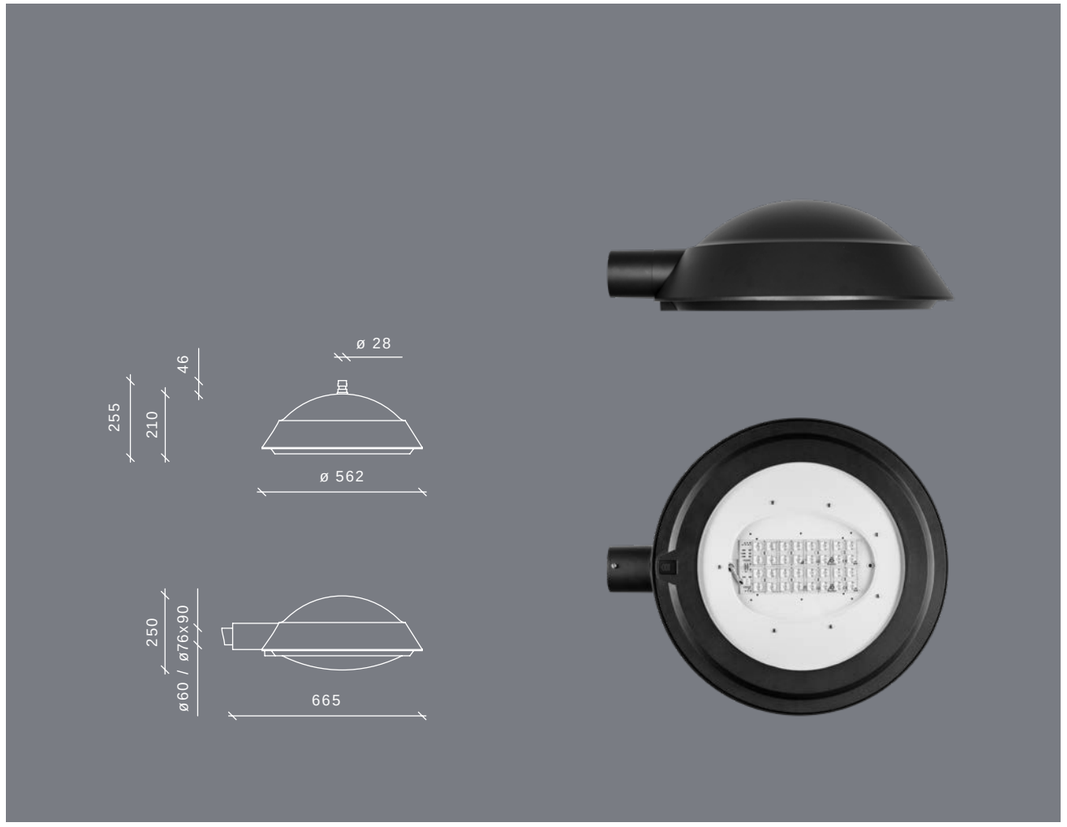


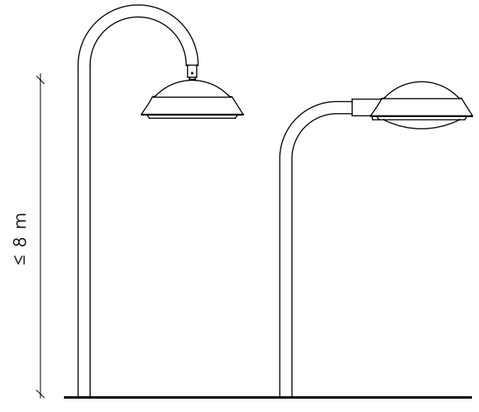
Standard modules

4000K

Number of LED's		16			32	
Nominal current, mA	270	520	730	370	510	700
Power, W	15	27	37	37	50	70
Luminous Flux, lm	1640	2980	4010	4380	5830	7780
Efficacy, lm/W	109	110	108	118	117	111
Power factor, PF	0,85	0,95	0,97	0,95	0,97	0,97

Latana





Technical information

IP54 IK08 CE RoHS

V	220 - 240
Hz	50 - 60
W	15 - 70
lm	1820 - 8600
lm/W	121 - 131
K	3000 / 4000
ºC	-40 to +40
CRI	>70 / >80 [1]

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
>70 000 h (L90B10) at Ta = 25 °C [2]

Surge protection:	6kV (L-N) and 10 kV (L/N -PE without DALI connection) [3]
Intelligent light control system:	Radio frequency

[1] Luminaries with color rendering index (CRI): Ra >90 on request

[2] This value is only informative and may change according to selected article

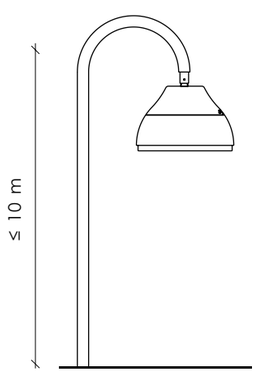
[3] 10 kV (L-N; L/N-PE) surge protection device available on request

Standard modules

4000K

Number of LED's		16			32	
Nominal current, mA	270	520	730	370	520	700
Power, W	15	27	37	37	51	70
Luminous Flux, lm	1820	3300	4430	4840	6560	8600
Efficacy, lm/W	121	122	120	131	129	123
Power factor, PF	0,85	0,95	0,97	0,95	0,97	0,97

Acorn deco



Technical information

IP54 IK08 CE RoHS

V	220 - 240
Hz	50 - 50
W	18 - 75
lm	1970 - 9440
lm/W	120 - 135
K	3000 / 4000 (1
°C	-40 to +40
CRI	>70 / >80 (2

1-10V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L90B10) at Ta = 25 °C (3

Surge protection:	6kV (L-N) and 10 kV (L/N -PE without DALI connection) (4
Intelligent light control system:	Radio frequency (5

(1 5000; 5700 K available on request
(2 Luminaries with color rendering index (CRI): Ra >90 on request
(3 at Ta=25°, this value is only informative and may change according to selected article.
(4 10 kV (L-N; L/N-PE) surge protection device available on request
(5 Optional. Available only with DALI ; 1 - 10 V

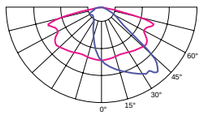
Standard modules

4000K

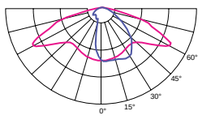
Number of LED's		16			36	
Nominal current, mA	350	500	700	350	500	700
Power, W	18	26	35	39	55	75
Luminous Flux, lm	2260	3230	4280	5260	7240	9440
Efficacy, lm/W	126	124	122	135	132	126
Power factor, PF	0,9	0,95	0,97	0,95	0,98	0,98

Optics
park & old town luminaires

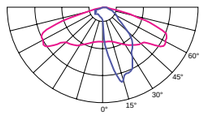
01



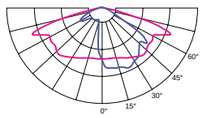
02



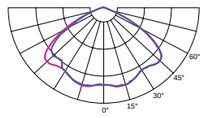
04



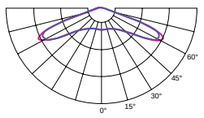
05



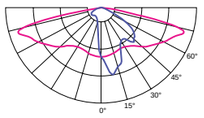
10



20



22



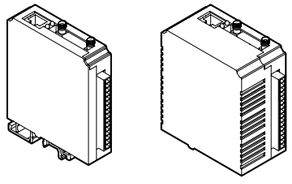
Crocus
Akureyri | Iceland

Accessories

Citintelly Segment controller

Segment Controller receives commands from Citintelly server via GSM and transmits tasks to Luminaire Controller via radio frequency communication.

Art. 70010004

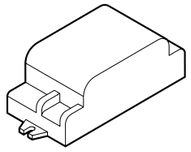


Citintelly Luminaire controller

Luminaire Controller is wireless mesh-networking device that uses 868 MHz for communication with Segment Controller and other Luminaire Controllers. It is delivered in various configurations to meet the needs of your applications.

Art. 70010001 / LC2M-23-05-R Luminaire Controller - 2 relays

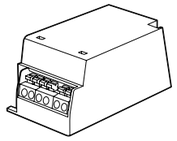
Art. 70010002 / LC2M-12-05-R Luminaire Controller - 1 relay



Citintelly Surge Protection device

Surge Protection device offersprotection against lighting surges;
Voltage Protection level up (L-N) ≤ 1,5 kV
Voltage Protection level up (L/N-PE) ≤ 2,0 kV
U_{oc} = 10 kV
I_{max} = 10 kA
I_{nom} = 5 kA

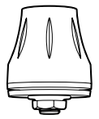
Art. 70020001



Radio Frequency Antenna

Heavy duty IP67 enclosure
Mounted in cabinet or luminaire body with 14 mm screw
SMA connector

Art. 70000108



NEMA Socket

2213362-3, 5 pin NEMA socket 105°C wires *Art. 70000362*

2213362-4, 7 pin NEMA socket 105°C wires *Art. 70000333*

Dummy Link for NEMA Socket

Art. 70000113

Zhaga socket no cap

Art. 70000612

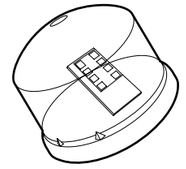
Zhaga socket with cap

Art. 70000613

MSLC205RG Luminaire controller + radar, Zhaga, 80mm

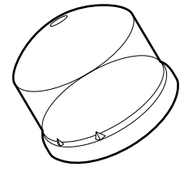
Compatible with:
Stork, Stork little brother, Micro martin, Micro martin smooth, Micro martin tool-less, Micro martin tool-less | smooth, Blackbird side-entry, Blackbird post top, Blackbird hanging, Stork flood, Stork little brother flood, Micro martin flood

Art. 70010027



MSLC205RGL Luminaire controller, Zhaga, 80mm

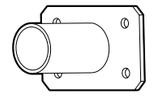
Art. 70010029



Wall mounting bracket

Spigot size 40 - 60 mm

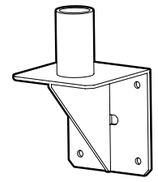
Art. 70044001



Wall mounting bracket

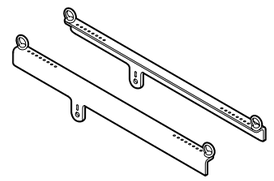
Vertical

Art. 70044004



High Bay Suspension brackets

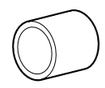
Art. 70000101



Console adapter

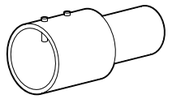
40mm to 30mm

Art. 70055002



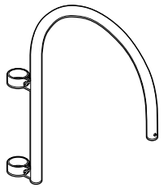
Console adapter
Spigot size 60 - 76mm

Art. 70044002



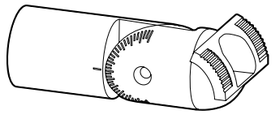
Console

Art. 70054001



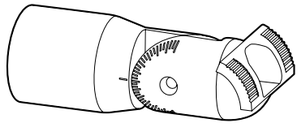
Adjustable Console ±90°
60 mm - Mini Martin / Micro Martin

Art. 70055005



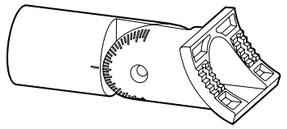
Adjustable Console ±90°
76 mm - Mini Martin / Micro Martin

Art. 70055006



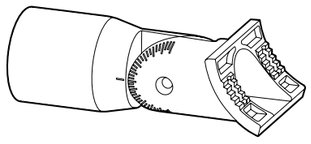
Adjustable Console ±90°
60 mm - Mini Martin / Micro Martin

Art. 70044012



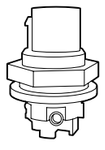
Adjustable Console ±90°
76 mm - Mini Martin / Micro Martin

Art. 70044013



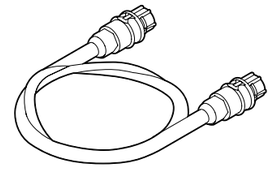
Device connector
Device connectors, standard M25, RST20i5, 5 pole, male, screw connection
250/400V, 20A

Art. 70000315



Pre-installed cable sets
For external power supply

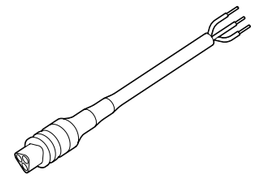
0,5 m long cable ..... *Art. 70000436*
5 m long cable ..... *Art. 70000437*
6 m long cable ..... *Art. 70000438*
8 m long cable ..... *Art. 70000439*
10 m long cable ..... *Art. 70000440*
12 m long cable ..... *Art. 70000441*
18 m long cable ..... *Art. 70000442*
20 m long cable ..... *Art. 70000443*
22 m long cable ..... *Art. 70000444*
25 m long cable ..... *Art. 70000445*



Connection cable

Art. 70000363

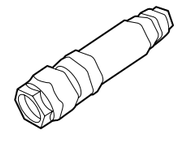
Male - free end, length 1m, RST20i3, 3 pole, 250V, 16A, cable type H05VV, cross section 1,5mm²



Connector

Art. 70000313

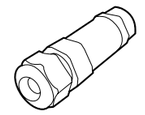
IP66 rated connector offers easy installation of the street luminaires.
3 wire cable connector



Connector

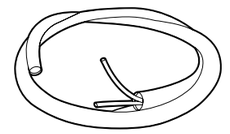
Art. 70000304

IP66 rated connector offers easy installation of the street luminaires.
5 wire cable connector

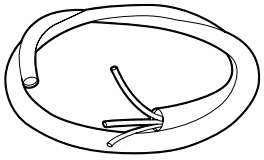


Pre-installed cable sets

For iternal power supply:
2 x 1,5mm - 0,5m long cable ..... *Art. 70000418*
2 x 1,5mm - 5m long cable ..... *Art. 70000342*
2 x 1,5mm - 6m long cable ..... *Art. 70000337*
2 x 1,5mm - 8m long cable ..... *Art. 70000344*
2 x 1,5mm - 10m long cable ..... *Art. 70000338*
2 x 1,5mm - 12m long cable ..... *Art. 70000345*
2 x 1,5mm - 18m long cable ..... *Art. 70000419*



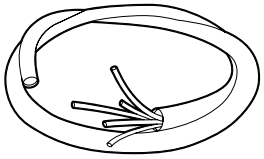
Pre-installed cable sets



For iternal power supply:

3 x 1,5 mm - 0,5 m long cable ..... *Art. 70000319*
3 x 1,5 mm - 5 m long cable ..... *Art. 70000320*
3 x 1,5 mm - 6 m long cable ..... *Art. 70000321*
3 x 1,5 mm - 8 m long cable ..... *Art. 70000322*
3 x 1,5 mm - 10 m long cable ..... *Art. 70000323*
3 x 1,5 mm - 12 m long cable ..... *Art. 70000324*
3 x 1,5 mm - 18 m long cable ..... *Art. 70000325*
3 x 1,5 mm - 20 m long cable ..... *Art. 70000425*
3 x 1,5 mm - 22 m long cable ..... *Art. 70000426*
3 x 1,5 mm - 25 m long cable ..... *Art. 70000427*
3 x 1,5 mm - 32 m long cable ..... *Art. 70000430*
3 x 1,5 mm - 42 m long cable ..... *Art. 70000431*
3 x 1,5 mm - 50 m long cable ..... *Art. 70000432*

Pre-installed cable sets



For iternal power supply:

5 x 1,5 mm - 0,5 m long cable ..... *Art. 70000305*
5 x 1,5 mm - 5 m long cable ..... *Art. 70000316*
5 x 1,5 mm - 6 m long cable ..... *Art. 70000317*
5 x 1,5 mm - 8 m long cable ..... *Art. 70000318*
5 x 1,5 mm - 10 m long cable ..... *Art. 70000306*
5 x 1,5 mm - 12 m long cable ..... *Art. 70000307*
5 x 1,5 mm - 18 m long cable ..... *Art. 70000308*
5 x 1,5 mm - 20 m long cable ..... *Art. 70000428*
5 x 1,5 mm - 22 m long cable ..... *Art. 70000429*
5 x 1,5 mm - 25 m long cable ..... *Art. 70000429*
5 x 1,5 mm - 32 m long cable ..... *Art. 70000433*
5 x 1,5 mm - 42 m long cable ..... *Art. 70000434*
5 x 1,5 mm - 50 m long cable ..... *Art. 70000435*

VIZULO

Starta street 1
Riga, LV - 1026, Latvia

Sales: + 371 67 383 023
Production: + 371 67 383 024

office@vizulo.com
www.vizulo.com

vizulo

vizulo_photo