

INSPIRATION FROM NATURE

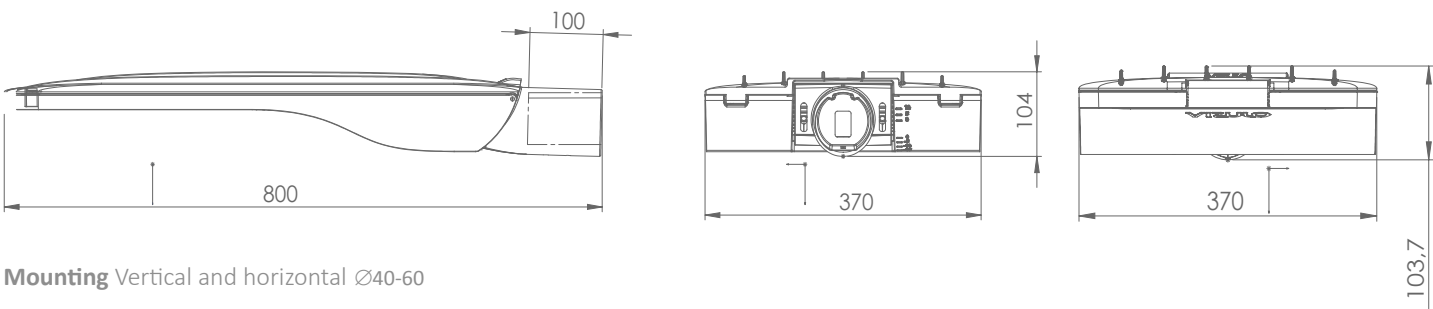


VIZULO STORK

Color options



Dimmension drawings



Mounting Vertical and horizontal Ø40-60



Impact Resistance

IK08 (Vandal protected) for the complete luminaire

LED module

High quality LEDs with optimal thermal resistance and energy consumption characteristics, for high lumen output and long expected life time 0 + 60 000h. Color temperatures available: Warm White 3000K;

Module Temperature Control

The LED driver will start reducing the light output when the LEDs approach a critical temperature. The temperature is measured via a sensor placed on the PCB.

Intelligent light control system

Power line or radio frequency

Light regulation

Stork drivers offer integrated Dynadimmer and network- controlled 1-10V and DALI protocols

Glass

Flat glass. Glass is fixed to die-cast aluminum frame with metal clips and can easily be replaced

Opening

Die-cast aluminum clip for tool-less opening or closing, fixed to the frame with stainless steel spring for easy maintenance

Lighting Protection

Built-in surge protection of up to 3 kV in every luminaire.

Safety Switch

Safety switch disconnects power on opening

Ventilation cable gland

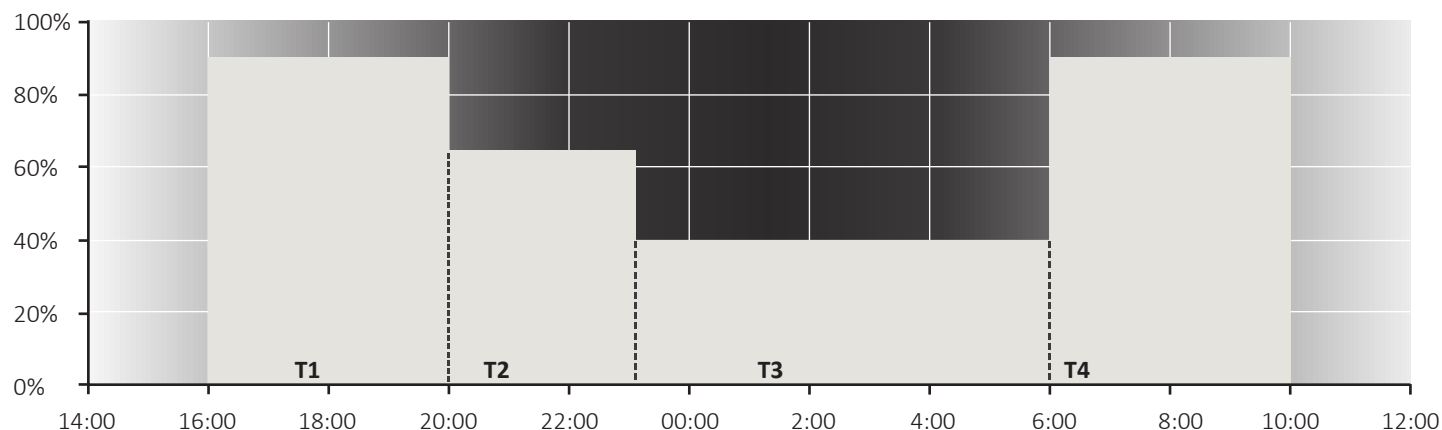
Protection

IP 66 for the complete luminaire

Body

Die cast aluminum

Integrated Dynadim lighting control allows pre-programmed multi-level dimming. Lowering light levels during off-peak hours, gives considerable savings in energy costs.



Main technical data

Voltage, V	220-240																
Frequency, Hz	50-60																
Nominal current, mA	350	500	700	350	500	700	350	500	700	350	500	700	460	490	520	545	575
Power, W	18	26	37	35	51	74	52	76	111	69	102	147	160	170	180	190	200
Total luminous Flux, Lm	1880	2600	3650	3760	5250	7250	5640	7900	10900	7520	10600	14400	16000	16900	17800	18700	19600
Efficiency, Lm/W	104	100	99	107	103	98	108	104	98	109	104	98	100	99	99	98	98
Power factor (PF)	0.91	0.92	0.92	0.94	0.95	0.96	0.95	0.97	0.95	0.96	0.95	0.96	0.95	0.95	0.95	0.96	0.96
Color temperature, K	3000/ 4000/ 5000																
Working temperature	-40°C to +45°C/+50°C																
Protection class	IP 66																
Impact resistance class	IK 08																
Safety class	I																
Intelligent light control system	Radio frequency/ power line																
Body material	Die cast aluminium																
Dimming	1-10 V; DALI; DYNADIM																
Spigot	Ø40-60 mm																
Lifetime, h	80 000																
Guarantee, years	5																
Surge Protection, kW	3																
Color Rendering index (CRI)	>Ra 70																

Last modified
2014, 12 August
 data subjects to change

VIZULO stork Street light accessories



Radio Frequency Outdoor luminaire controller

Luminaire dimming (DALI, 0-10V, PWM)
 Luminaire switching ON/OFF
 Eenergy measurement (Voltage, Amperage, Power factor, Consumption)
 Working hour register
 Failure alert
 RF communication (868 MHz, 2.4 GHz)
 Failure proof
 Galvanically isolated



Power Line Outdoor luminaire controller

Luminaire dimming (DALI, 0-10V, PWM)
 Luminaire switching ON/OFF
 Eenergy measurement (Voltage, Amperage, Power factor, Consumption)
 Working hour register
 Failure alert
 Power line communication
 Failure proof
 Galvanically isolated



Power Line Communication cabinet Gateway controller

C-BOX is a street lighting monitoring and control device that provides automatic street lighting. CGC is measuring and sending data to the server about electricity consumption of each separate line, current leakage and lighting system condition.



Radio Frequency Communication cabinet Gateway controller

C-BOX is a street lighting monitoring and control device that provides automatic street lighting. CGC is measuring and sending data to the server about electricity consumption of each separate line, current leakage and lighting system condition.



Radio Frequency antenna

Heavy duty IP67 enclosure
 Cabinet or luminaire body mount with 14mm screw
 SMA connector



EXT-12 12 line extension module

Up to 12 individual load line current measurement
 Four I/O inputs

VIZULO stork Street light accessories



EXT-24 24 line extension module

Up to 24 individual load line current measurement
Four I/O inputs



EXT-36 36 line extension module

Up to 36 individual load line current measurement
Four I/O inputs



GSM-ANT-250 Radio Frequency communication antenna

Heavy duty IP67 enclosure
Body mount with 14mm screw



BLS-420 Brightness level sensor

Up to 36 individual load line current measurement
Four I/O inputs



CT-10-50A 10mm current transformer (50A)

Split core for easy installation
High accuracy 1%
Secure locking hinge



CT-16-100A 16mm current transformer

Split core for easy installation
High accuracy 1%
Secure locking hinge



CT-24-200A 24mm current transformer (200A)

Analog brightness level output
High accuracy 1%
Secure locking hinge



CT-36-300A 36mm current transformer (300A)

Split core for easy installation
High accuracy 1%
Secure locking hinge

VIZULO stork Street light accessories



Philips Surge Protection Device 277V

The Philips Surge Protection Device 277V (SPD) offers protection against power surges without requiring a protective earth connection. It is the ideal solution for maximum protection of outdoor lighting investments.



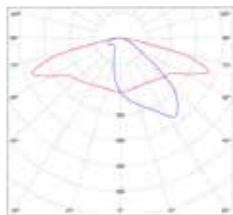
Cable with IP66 rated connector

Cable with IP66 rated connector offers easy installation of the street luminaire.



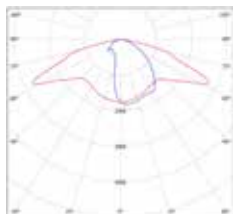
Quarter turn fastener

Allows to change PCB's electronic unit without tools.



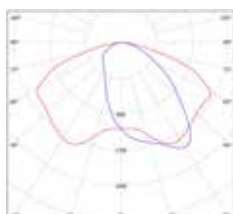
01-ME

It is designed for European and Asian roads requiring good luminance performance. Special care has been taken in low glare (TI) and longitudinal uniformities flexibly for narrow to wide pole spacing installations. Asymmetric design removes the need of tilting the luminaire head. Typical ME4a installations are possible with the ratio of pole distance and height up to 5.5. ME optics are designed to fulfill ME-classes on a road whose width is equal to pole height or less.



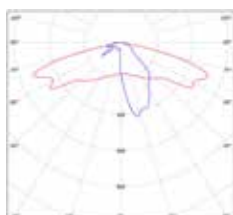
02-DWC

DWC is designed for roads with longer pole distances. It can be used in street lighting setups where the pole distance is up to six times the pole height. DWC optics has an asymmetric design, which often negates the need for tilting the lamp head.



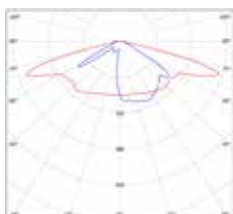
03-DNW

DNW is designed for roads where the pole height and the roadway width are similar. DNW optics have an asymmetric design, which often negates the need for tilting the lamp head.



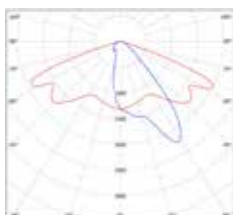
04-T2

T2 is classified as IESNA type II, with a great mix of luminance and illuminance uniformity. It is also applicable to European S-standard pedestrian lighting.



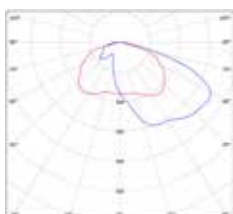
05-T3

T3 is classified as IESNA type III, with a great mix of luminance and illuminance uniformity.



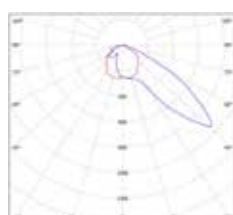
06- A-T

A-T is designed to work on roads that are narrower than the height of the pole and when the spacing is four times the height of the pole. STRADA-2x2-A-T has an asymmetric design so it can be used without tilting the lamp head



07- T4

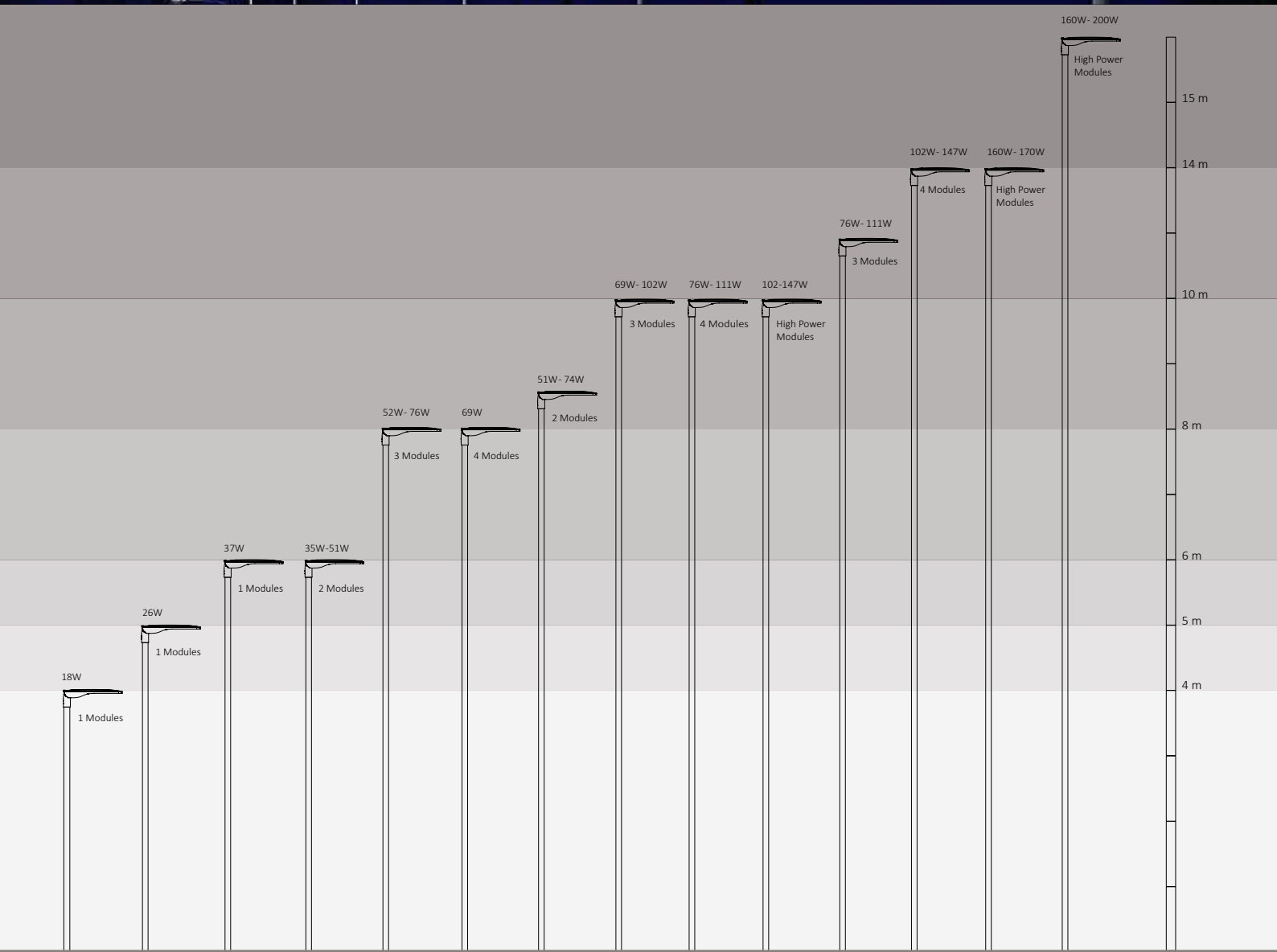
Forward throwing T4 is classified as IESNA type IV, being best suited for wider roads. It is also an excellent choice for wide area lighting, for example parking lots and yards.



08- FN

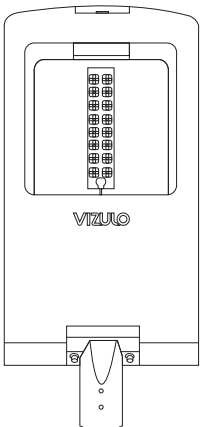
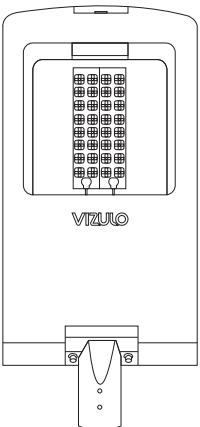
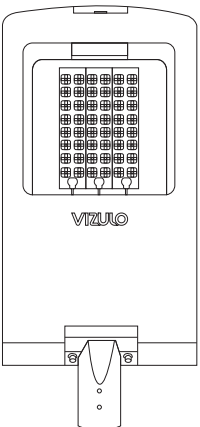
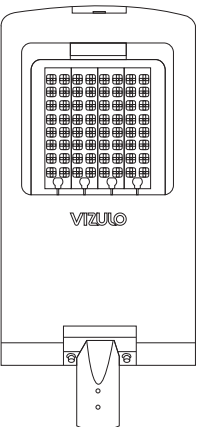
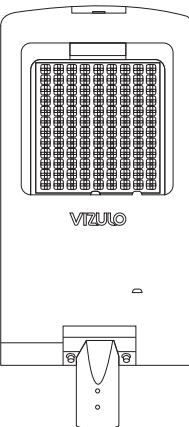
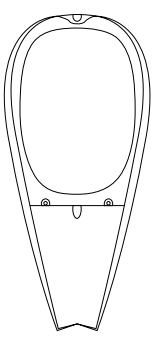
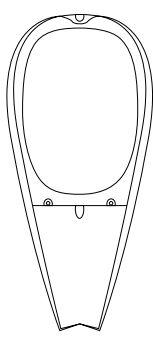
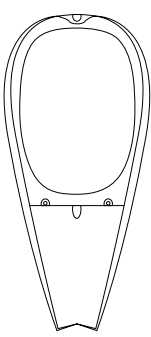
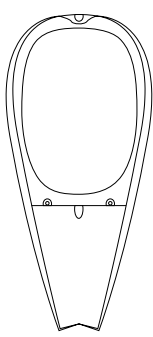
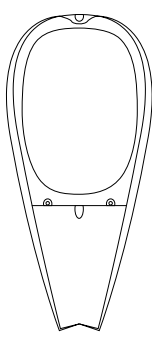
FN is an array of asymmetric lenses with a long narrow forward throw beam and good cut-off.

VIZULO stork high pole proposition

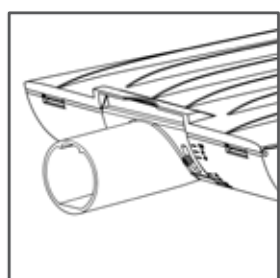


Modules 1	4- 6 m
Modules 2	6- 9 m
Modules 3	8- 11 m
Modules 4	8- 14 m
High Power modules	10- 16 m

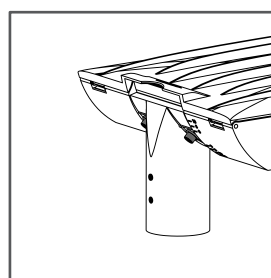
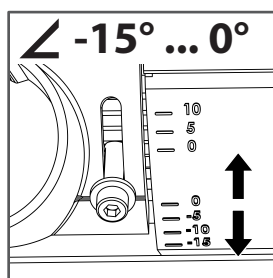
VIZULO stork energy saving: Change from conventional lighting to LED luminaire

VIZULO stork 1 module	VIZULO stork 2 module	VIZULO stork 3 module	VIZULO stork 4 module	VIZULO stork high power module
				
18 - 37 W	35 - 74 W	52 - 111 W	69 - 147 W	118 - 200 W
↑	↑	↑	↑	↑
HPS 50	HPS 70/100	HPS 100/150	HPS 100/150/250	HPS 150/250
				
61 W	80/114 W	114/169 W	114/169/276 W	169/276 W

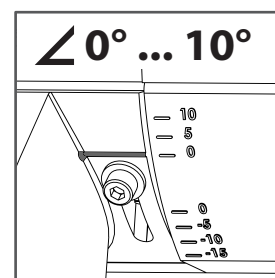
VIZULO stork Street light - angle positions



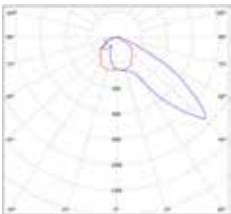
Horizontal entry-15 ...0



Vertical entry 0 ...10

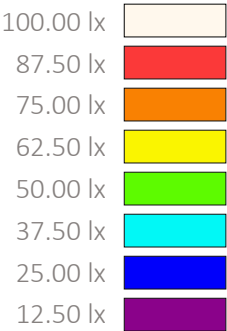
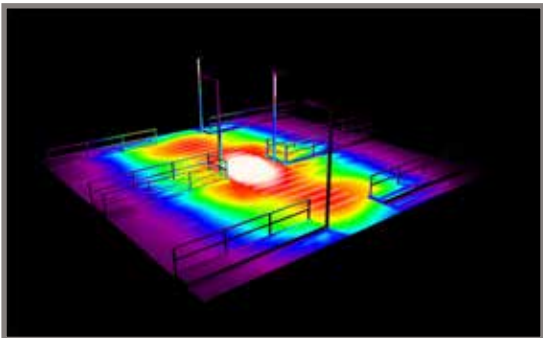
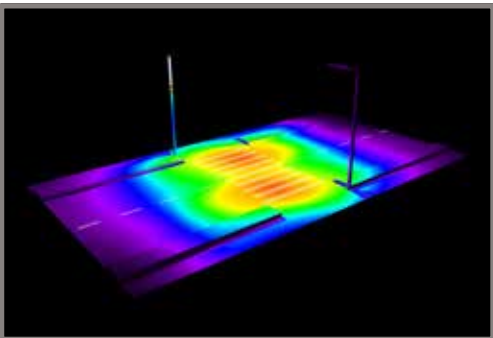
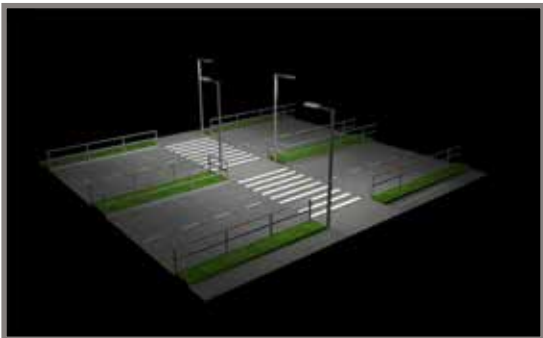


VIZULO stork Street light pedestrian crossing

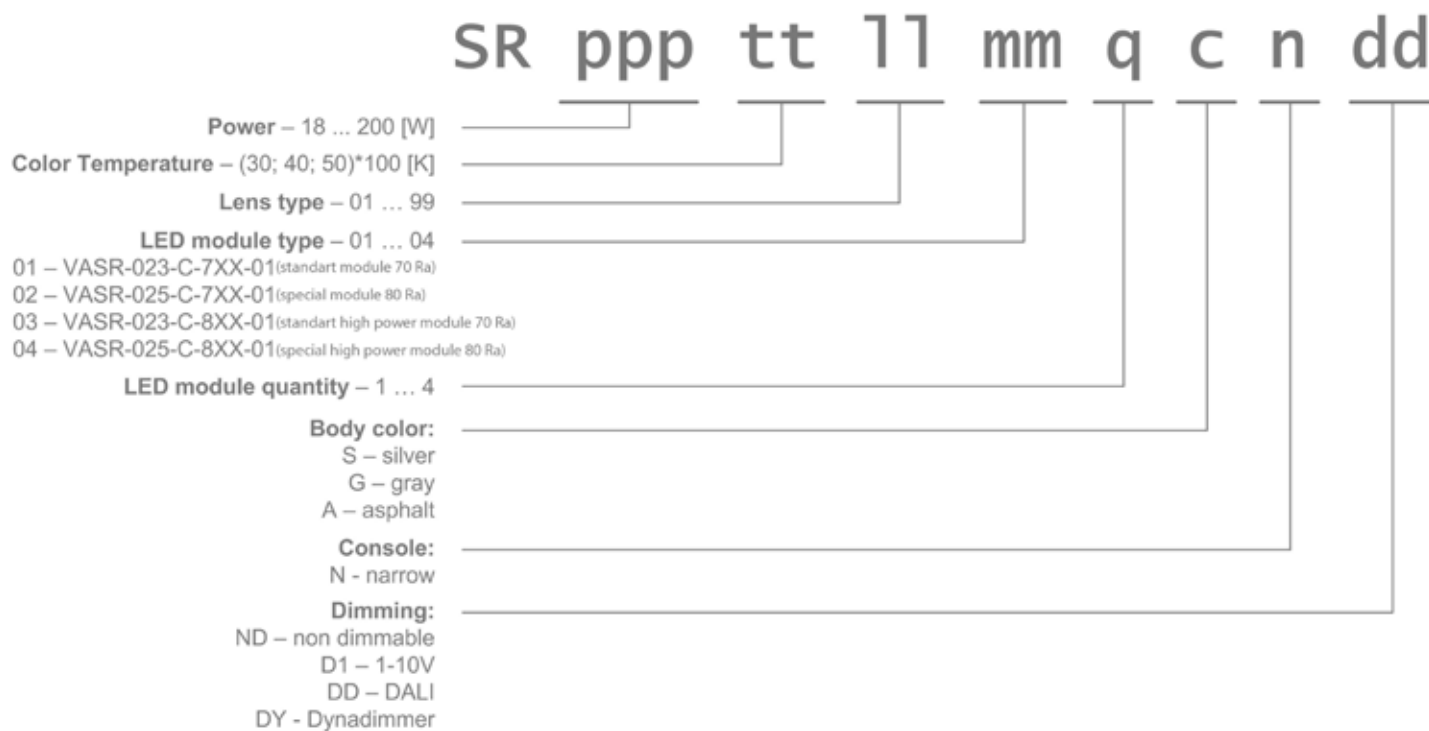


08- FN
FN is an array of asymmetric lenses with a long narrow forward throw beam and good cut-off.

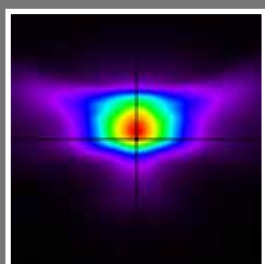
LED street luminaire with specific asymmetrical optics will attract the attention of the driver in the direction of pedestrian crossing without causing a glare effect. Thus dark silhouette of humans will make contrast to very bright surface of the pedestrian crossing. For more detailed questions regarding VIZULO stork for pedestrian crossings please contact VIZULO support team.



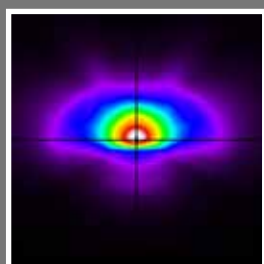
VIZULO stork Model name principles



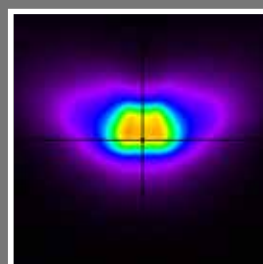
Lense type



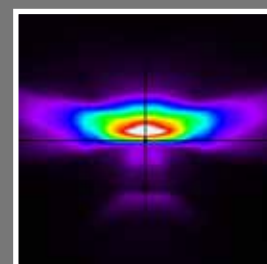
01- ME



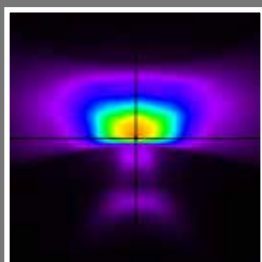
02- DWC



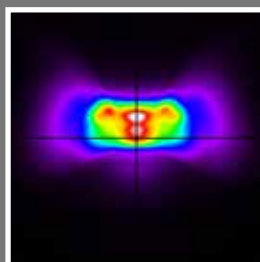
03- DNW



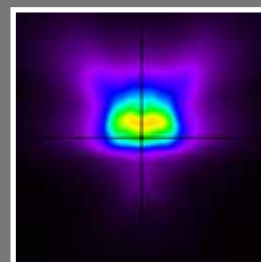
04- T2



05- T3



06- AT



07- T4

VIZULO stork 1

Article	Model No.	Power, W	Color temperature, K	Luminous Flux*, Lm	Efficiency, Lm/W	Optic	Body color	Dimming option
44000101	SR 018 40 01 01 1 S N DD	18	4000	1880	104	01	silver	DALI
44000401	SR 018 40 02 01 1 S N DD	18	4000	1880	104	02	silver	DALI
44000701	SR 018 40 03 01 1 S N DD	18	4000	1880	104	03	silver	DALI
44001001	SR 018 40 04 01 1 S N DD	18	4000	1880	104	04	silver	DALI
44001301	SR 018 40 05 01 1 S N DD	18	4000	1880	104	05	silver	DALI
44001601	SR 018 40 06 01 1 S N DD	18	4000	1880	104	06	silver	DALI
44001901	SR 018 40 07 01 1 S N DD	18	4000	1880	104	07	silver	DALI
44000104	SR 026 40 01 01 1 S N DD	26	4000	2600	100	01	silver	DALI
44000404	SR 026 40 02 01 1 S N DD	26	4000	2600	100	02	silver	DALI
44000704	SR 026 40 03 01 1 S N DD	26	4000	2600	100	03	silver	DALI
44001004	SR 026 40 04 01 1 S N DD	26	4000	2600	100	04	silver	DALI
44001304	SR 026 40 05 01 1 S N DD	26	4000	2600	100	05	silver	DALI
44001604	SR 026 40 06 01 1 S N DD	26	4000	2600	100	06	silver	DALI
44001904	SR 026 40 07 01 1 S N DD	26	4000	2600	100	07	silver	DALI
44000107	SR 037 40 01 01 1 S N DD	37	4000	3650	99	01	silver	DALI
44000407	SR 037 40 02 01 1 S N DD	37	4000	3650	99	02	silver	DALI
44000707	SR 037 40 03 01 1 S N DD	37	4000	3650	99	03	silver	DALI
44001007	SR 037 40 04 01 1 S N DD	37	4000	3650	99	04	silver	DALI
44001307	SR 037 40 05 01 1 S N DD	37	4000	3650	99	05	silver	DALI
44001607	SR 037 40 06 01 1 S N DD	37	4000	3650	99	06	silver	DALI
44001907	SR 037 40 07 01 1 S N DD	37	4000	3650	99	07	silver	DALI

VIZULO stork 2

Article	Model No.	Power, W	Color temperature, K	Luminous Flux*, Lm	Efficiency, Lm/W	Optic	Body color	Dimming option
44010101	SR 035 40 01 01 2 S N DD	35	4000	3760	107	01	silver	DALI
44010401	SR 035 40 02 01 2 S N DD	35	4000	3760	107	02	silver	DALI
44010701	SR 035 40 03 01 2 S N DD	35	4000	3760	107	03	silver	DALI
44011001	SR 035 40 04 01 2 S N DD	35	4000	3760	107	04	silver	DALI
44011301	SR 035 40 05 01 2 S N DD	35	4000	3760	107	05	silver	DALI
44011601	SR 035 40 06 01 2 S N DD	35	4000	3760	107	06	silver	DALI
44011901	SR 035 40 07 01 2 S N DD	35	4000	3760	107	07	silver	DALI
44010104	SR 051 40 01 01 2 S N DD	51	4000	5250	103	01	silver	DALI
44010404	SR 051 40 02 01 2 S N DD	51	4000	5250	103	02	silver	DALI
44010704	SR 051 40 03 01 2 S N DD	51	4000	5250	103	03	silver	DALI
44011004	SR 051 40 04 01 2 S N DD	51	4000	5250	103	04	silver	DALI
44011304	SR 051 40 05 01 2 S N DD	51	4000	5250	103	05	silver	DALI
44011604	SR 051 40 06 01 2 S N DD	51	4000	5250	103	06	silver	DALI
44011904	SR 051 40 07 01 2 S N DD	51	4000	5250	103	07	silver	DALI
44010107	SR 074 40 01 01 2 S N DD	74	4000	7250	98	01	silver	DALI
44010407	SR 074 40 02 01 2 S N DD	74	4000	7250	98	02	silver	DALI
44010707	SR 074 40 03 01 2 S N DD	74	4000	7250	98	03	silver	DALI
44011007	SR 074 40 04 01 2 S N DD	74	4000	7250	98	04	silver	DALI
44011307	SR 074 40 05 01 2 S N DD	74	4000	7250	98	05	silver	DALI
44011607	SR 074 40 06 01 2 S N DD	74	4000	7250	98	06	silver	DALI
44011907	SR 074 40 07 01 2 S N DD	74	4000	7250	98	07	silver	DALI

VIZULO stork 3

Article	Model No.	Power, W	Color temperature, K	Luminous Flux*, Lm	Efficiency, Lm/W	Optic	Body color	Dimming option
44020101	SR 052 40 01 01 3 S N DD	52	4000	5640	108	01	silver	DALI
44020401	SR 052 40 02 01 3 S N DD	52	4000	5640	108	02	silver	DALI
44020701	SR 052 40 03 01 3 S N DD	52	4000	5640	108	03	silver	DALI
44021001	SR 052 40 04 01 3 S N DD	52	4000	5640	108	04	silver	DALI
44021301	SR 052 40 05 01 3 S N DD	52	4000	5640	108	05	silver	DALI
44021601	SR 052 40 06 01 3 S N DD	52	4000	5640	108	06	silver	DALI
44021901	SR 052 40 07 01 3 S N DD	52	4000	5640	108	07	silver	DALI
44020104	SR 076 40 01 01 3 S N DD	76	4000	7900	104	01	silver	DALI
44020404	SR 076 40 02 01 3 S N DD	76	4000	7900	104	02	silver	DALI
44020704	SR 076 40 03 01 3 S N DD	76	4000	7900	104	03	silver	DALI
44021004	SR 076 40 04 01 3 S N DD	76	4000	7900	104	04	silver	DALI
44021304	SR 076 40 05 01 3 S N DD	76	4000	7900	104	05	silver	DALI
44021604	SR 076 40 06 01 3 S N DD	76	4000	7900	104	06	silver	DALI
44021904	SR 076 40 07 01 3 S N DD	76	4000	7900	104	07	silver	DALI
44020107	SR 111 40 01 01 3 S N DD	111	4000	10900	98	01	silver	DALI
44020407	SR 111 40 02 01 3 S N DD	111	4000	10900	98	02	silver	DALI
44020707	SR 111 40 03 01 3 S N DD	111	4000	10900	98	03	silver	DALI
44021007	SR 111 40 04 01 3 S N DD	111	4000	10900	98	04	silver	DALI
44021307	SR 111 40 05 01 3 S N DD	111	4000	10900	98	05	silver	DALI
44021607	SR 111 40 06 01 3 S N DD	111	4000	10900	98	06	silver	DALI
44021907	SR 111 40 07 01 3 S N DD	111	4000	10900	98	07	silver	DALI

rakstītam *Luminous Flux and Efficiency calculated for lamp including driver and diffuser losses, at Ta 25° C



VIZULO stork 4

Article	Model No.	Power, W	Color temperature, K	Luminous Flux*, Lm	Efficiency, Lm/W	Optic	Body color	Dimming option
44030101	SR 069 40 01 01 4 S N DD	69	4000	7520	109	01	silver	DALI
44030401	SR 069 40 02 01 4 S N DD	69	4000	7520	109	02	silver	DALI
44030701	SR 069 40 03 01 4 S N DD	69	4000	7520	109	03	silver	DALI
44031001	SR 069 40 04 01 4 S N DD	69	4000	7520	109	04	silver	DALI
44031301	SR 069 40 05 01 4 S N DD	69	4000	7520	109	05	silver	DALI
44031601	SR 069 40 06 01 4 S N DD	69	4000	7520	109	06	silver	DALI
44031901	SR 069 40 07 01 4 S N DD	69	4000	7520	109	07	silver	DALI
44030104	SR 102 40 01 01 4 S N DD	102	4000	10600	104	01	silver	DALI
44030404	SR 102 40 02 01 4 S N DD	102	4000	10600	104	02	silver	DALI
44030704	SR 102 40 03 01 4 S N DD	102	4000	10600	104	03	silver	DALI
44031004	SR 102 40 04 01 4 S N DD	102	4000	10600	104	04	silver	DALI
44031304	SR 102 40 05 01 4 S N DD	102	4000	10600	104	05	silver	DALI
44031604	SR 102 40 06 01 4 S N DD	102	4000	10600	104	06	silver	DALI
44031904	SR 102 40 07 01 4 S N DD	102	4000	10600	104	07	silver	DALI
44030107	SR 147 40 01 01 4 S N DD	147	4000	14400	98	01	silver	DALI
44030407	SR 147 40 02 01 4 S N DD	147	4000	14400	98	02	silver	DALI
44030707	SR 147 40 03 01 4 S N DD	147	4000	14400	98	03	silver	DALI
44031007	SR 147 40 04 01 4 S N DD	147	4000	14400	98	04	silver	DALI
44031307	SR 147 40 05 01 4 S N DD	147	4000	14400	98	05	silver	DALI
44031607	SR 147 40 06 01 4 S N DD	147	4000	14400	98	06	silver	DALI
44031907	SR 147 40 07 01 4 S N DD	147	4000	14400	98	07	silver	DALI

VIZULO stork High power Modules

Article	Model No.	Power, W	Color temperature, K	Luminous Flux*, Lm	Efficiency, Lm/W	Optic	Body color	Dimming option
44040101	SR 160 40 02 02 1 S N DD	160	4000	16000	100	02	silver	DALI
44040401	SR 160 40 03 02 1 S N DD	160	4000	16000	100	03	silver	DALI
44040104	SR 170 40 02 02 1 S N DD	170	4000	16900	99	02	silver	DALI
44040404	SR 170 40 03 02 1 S N DD	170	4000	16900	99	03	silver	DALI
44040107	SR 180 40 02 02 1 S N DD	180	4000	17800	99	02	silver	DALI
44040407	SR 180 40 03 02 1 S N DD	180	4000	17800	99	03	silver	DALI
44040110	SR 190 40 02 02 1 S N DD	190	4000	18700	98	02	silver	DALI
44040410	SR 190 40 03 02 1 S N DD	190	4000	18700	98	03	silver	DALI
44040113	SR 200 40 02 02 1 S N DD	200	4000	19600	98	02	silver	DALI
44040413	SR 200 40 03 02 1 S N DD	200	4000	19600	98	03	silver	DALI

VIZULO stork pedestrian crossing luminaires

Article	Model No.	Power, W	Color temperature, K	Luminous Flux*, Lm	Efficiency, Lm/W	Optic	Body color	Dimming option	Module Quantity
44002201	SR 018 40 08 01 1 S N DD	18	4000	1880	104	08	silver	DALI	1
44002204	SR 026 40 08 01 1 S N DD	26	4000	2600	100	08	silver	DALI	1
44012201	SR 035 40 08 01 2 S N DD	35	4000	3760	107	08	silver	DALI	2
44002207	SR 037 40 08 01 1 S N DD	37	4000	3650	99	08	silver	DALI	1
44012204	SR 051 40 08 01 2 S N DD	51	4000	5250	103	08	silver	DALI	2
44022201	SR 052 40 08 01 3 S N DD	52	4000	5640	108	08	silver	DALI	3
44032201	SR 069 40 08 01 4 S N DD	69	4000	7520	109	08	silver	DALI	4
44012212	SR 070 40 08 01 2 S N DD	70	4000	6900	99	08	silver	DALI	2
44012207	SR 074 40 08 01 2 S N DD	74	4000	7250	98	08	silver	DALI	2
44022204	SR 076 40 08 01 3 S N DD	76	4000	7900	104	08	silver	DALI	3
44022210	SR 080 50 08 01 3 S N DD	80	5000	8150	102	08	silver	DALI	3
44022212	SR 090 50 08 01 3 S N DD	90	5000	9000	100	08	silver	DALI	3
44022214	SR 100 50 08 01 3 S N DD	100	5000	9850	99	08	silver	DALI	3
44032204	SR 102 40 08 01 4 S N DD	102	4000	10600	104	08	silver	DALI	4
44022216	SR 110 50 08 01 3 S N DD	110	5000	10820	98	08	silver	DALI	3
44022207	SR 111 40 08 01 3 S N DD	111	4000	10900	98	08	silver	DALI	3
44032218	SR 120 50 08 01 4 S N DD	120	5000	12000	100	08	silver	DALI	4
44032220	SR 130 50 08 01 4 S N DD	130	5000	12100	99	08	silver	DALI	4
44032222	SR 140 50 08 01 4 S N DD	140	5000	12900	99	08	silver	DALI	4
44032207	SR 147 40 08 01 4 S N DD	147	4000	14400	98	08	silver	DALI	4

raakstittam *Luminous Flux and Efficiency calculated for lamp including driver and diffuser losses, at Ta 25° C

Packing info

	Luminaire length, mm	Luminaire width, mm	Luminaire height, mm	Luminaire neto weight, kg	Lamp bruto weight , kg	Transport box size (HxBxLmm)	Volume, m3
VIZULO stork with 1 module	801	370	104	11,29	12,65	820x430x160	0,056
VIZULO stork with 2 module	801	370	104	11,38	12,74	820x430x160	0,056
VIZULO stork with 3 module	801	370	104	11,47	12,83	820x430x160	0,056
VIZULO stork with 4 module	801	370	104	11,56	12,92	820x430x160	0,056

