

Strada LED

Street lamp

The Strada LED combines architectural lighting requirements with the Smart necessities of the new smart cities. The range includes fixtures of the latest generation able to combine the advantages of the low luminosity LED source with state-of-the-art optic systems, as regards both performance and flexibility of application. The optic system used has a geometry studied to obtain low luminosity and therefore reduced glare and high visual comfort.

The excellent mechanical characteristics (IP66-IK09) offered by the innovative housing in die-cast aluminium and toughened glass ensure long life in outdoor environments even in extreme conditions. The SmartDriver, installed on the whole S series, allows integration with the various Smart modules in the system, making it possible to use the Street Lamp in a SmartCities setting.



GENERAL CHARACTERISTICS

Equivalent Power* 70, 100, 150, 250 W

Standard EN 60598-1, EN 60598-2-3, EN 62471 (Photobiological hazard), EN55015; EN 61547, EN 61003-2

Power supply 93÷265 Vac - 50/60Hz
176÷250 Vdc

Impulse Overvoltage Protection 10 Kv (SPD included)

Protection grade IP66 with ventilation valve, IK09

Working temp. -20 ÷ +40°C

Tilt 0-20°

Mounting Pole head or arm Ø60 -76mm

Housing Polyester powder coated die-cast aluminium RAL 7040

Louvre Sheet metal with parabolic development in anti-iridescent, mirror finished, anodised aluminium.
urban roads and extraurban roads (ME2, ME3A, ME3B, ME4A, ME4B, ME5, ME6), footpaths and cycle tracks (CE, S)

Diffuser Toughened glass 5mm thick

Driver Electronic SD (Cos $\varphi \geq 0.95$) with intelligent dimming

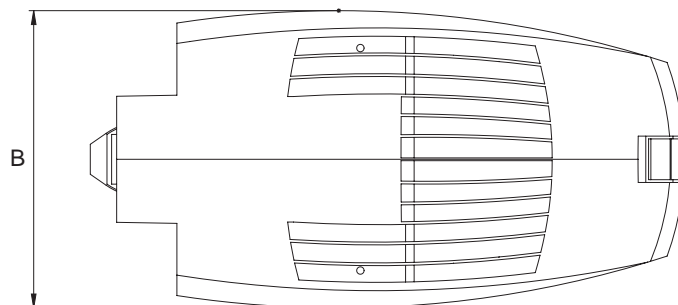
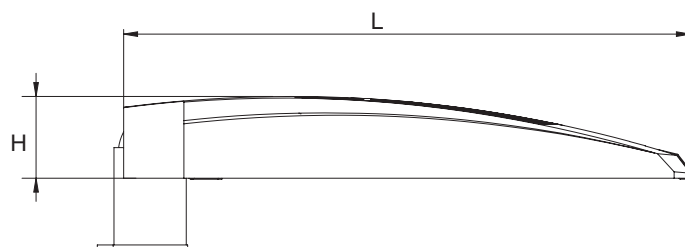
MTBF Control gear** 80.000h

Luminous flux maintenance** >70.000h (S70, S100, S150) (L80B20)
>75.000h (S30, S50) (L80B20)

Colour deviation 3 SDCM

* Equivalent power for comparison with metal halide fixtures

** At a reference working temperature of 25°C



Power * W	• Dimensions (mm) •			Weight max kg
	L	B	H	
70	611	320	88	5.5
100	611	320	88	5.5
150	611	320	88	5.7
250	611	320	88	5.7

Accessories

supplied

Order code Description

418319000 M20 CABLE GLAND WITH VENTILATION VALVE

SPECIAL VARIANTS: COLOUR TEMPERATURE ON REQUEST
Contact the Beghelli sales network

Building automation

to be ordered separately

Order code Description

20102 BUILDING AUTOMATION CENTRAL UNIT

20104 2 INPUT INTERFACE - RADIO TRANSMITTER

15022 BUILDING AUTOMATION RADIO MODULE

15024 DALI MODULE

15034 1-10V MODULE

DOMOTIC RADIO MODULE

1÷10V MODULE

DALI MODULE

OPTIONAL MODULES TO EXTEND BEGHELLI SD TOWIFI CONTROL OR DALI / 1-10V SYSTEMS AND EMERGENCY



Efficiency and dimming

The increase in luminous efficacy (lm/W) and the useful life of the device may vary significantly according to the degree to which it is dimmed. Assuming an average level of 50% of the luminous flux, the following results are obtained with the Strada LED:

- Dimming SD** 50%
- Device duration** +40%
- Luminous efficiency** +10%

POST HEAD MOUNTING Ø60



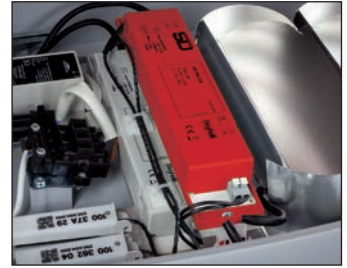
ARM MOUNTING Ø60



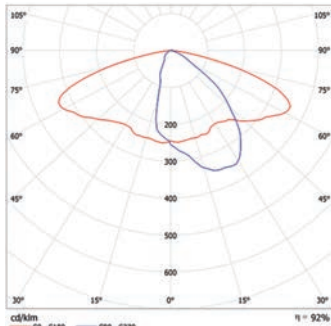
FAST WIRING CONNECTOR



DOUBLE POWER SUPPLY

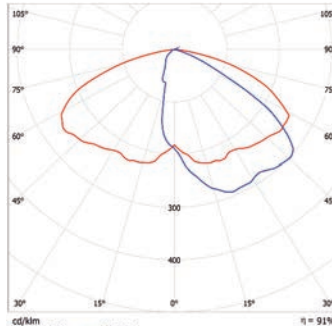


Polar Diagram



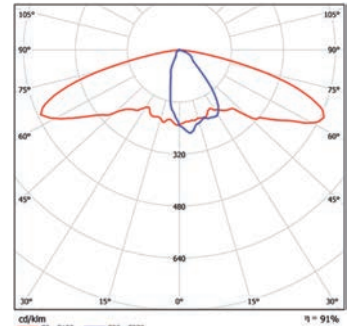
Urban optic

Polar Diagram



Long beam city/non-city optic

Polar Diagram



Cycle/pedestrian city/parking optic

Strada LED

SmartDriver **SD**

Power* W	Order code	Description	Optic	LED Power W	Colour Temp. K	Colour rendering	Power consumption Max W	N° LEDs	Flux of LEDs lm (Tj=25°C)	Flux of fixture lm	Luminous efficiency lm/W	Energy Class	Packaging
1x50	S50EXSD	STRA LED EX 1x50 SD 4K	Extrurban Street	32	4000	>70	34	24	4800	4000	115	A++	1/1
1x70	S70EXSD	STRA LED EX 1x70 SD 4K	Extrurban Street	47	4000	>70	51	24	6700	5600	110	A++	1/1
1x100	S100EXSD	STRA LED EX 1x100 SD 4K	Extrurban Street	66	4000	>70	72(56***)	48	10000	8000	112	A++	1/1
1x150 2	S150EXSD	STRA LED EX 1x150 SD 4K	Extrurban Street	94	4000	>70	103	48	13500	11500	105	A++	1/1
1x250 2	S250EXSD	STRA LED EX 1x250 SD 4K	Extrurban Street	120	4000	>70	130(113***)	48	17000	14000	110	A++	1/1
1x50	S50EXLSD	STRA LED EX LONG 1x50 SD 4K	Extrurban Wide Street	32	4000	>70	34	24	4800	4000	115	A++	1/1
1x70	S70EXLSD	STRA LED EX LONG 1x70 SD 4K	Extrurban Wide Street	47	4000	>70	51	24	6700	5600	110	A++	1/1
1x100	S100EXLSD	STRA LED EX LONG 1x100 SD 4K	Extrurban Wide Street	66	4000	>70	72(56***)	48	10000	8000	112	A++	1/1
1x150 2	S150EXLSD	STRA LED EX LONG 1x150 SD 4K	Extrurban Wide Street	94	4000	>70	103	48	13500	11500	105	A++	1/1
1x250 2	S250EXLSD	STRA LED EX LONG 1x250 SD 4K	Extrurban Wide Street	120	4000	>70	130(113***)	48	17000	14000	109	A++	1/1
1x30	S30UCSD	STRA LED UC 1x30 SD 4K	Urb. Cycle-ped. Street/ Park 22	4000	>70	>70	24	16	3400	2900	120	A++	1/1
1x50	S50UCSD	STRA LED UC 1x50 SD 4K	Urb. Cycle-ped. Street/ Park 31	4000	>70	>70	34	16	4500	3900	115	A++	1/1
1x70	S70UCSD	STRA LED UC 1x70 SD 4K	Urb. Cycle-ped. Street/ Park 44	4000	>70	>70	48	32	6700	5300	110	A++	1/1
1x100 P	S100UCSD	STRA LED UC 1x100 SD 4K	Urb. Cycle-ped. Street/ Park 60	4000	>70	>70	66(56***)	32	9400	7200	109	A++	1/1

P Specific fixture for outdoor Parking Areas (to determine Area Dimensions contact Beghelli Sales Network)

*** The power consumption has an auto derating to the power indicated in parenthesis if the product is powered by voltage less than 110 Vac.

2 Versions 150 and 200 are equipped with dual drivers which require two domotic radio modules to control the device. The two LED sources are managed independently from each other.

STREET LIGHTING