

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.

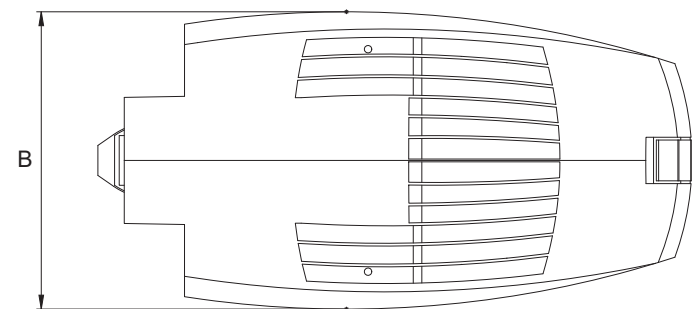
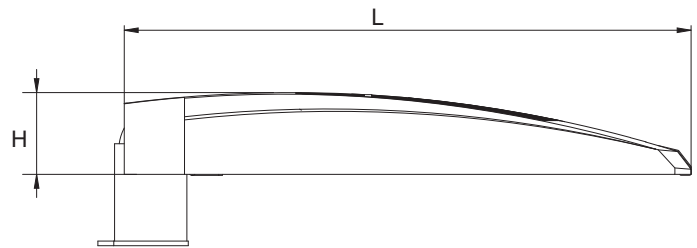
The excellent mechanical characteristics (IP66-IK09) offered by the innovative housing in die-cast aluminium and toughened glass ensure long life in outdoor environments even in extreme conditions. The SmartDriver, installed on the whole S series, allows integration with the various Smart modules in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



GENERAL CHARACTERISTICS

- Equivalent Power*** 70, 100, 150, 250 W
- Power supply** 93–265 V_{AC} 50/60 Hz 176–250 V_{DC}
- Standard** EN 60598-1, EN 60598-2-3, EN 60598-2-22, EN 62471 (Photobiological hazard), EN 55015, EN 61547, EN 61003-2, EN 61003-2
- Impulse Overvoltage Protection** 10 kV (SPD included)
- Protection grade** IP66 with ventilation valve, IK09
- Working temp.** -30 ÷ +40 °C
- Tilt** 0–20°
- Mounting** Pole head or arm Ø 60–76 mm
- 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 φ ≥ 0.95) with intelligent dimming
- MTFB Control gear**** 80 000 h
- Luminous flux maintenance**** >70 000 h (S70, S100, S150) (L80B20)
>70 000 h (S30, S50) (L80B20)
- Colour deviation** 3 SDCM

* Equivalent power for comparison with metal halide fixtures
** At environmental reference 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 TO RADIO 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 Ø 60



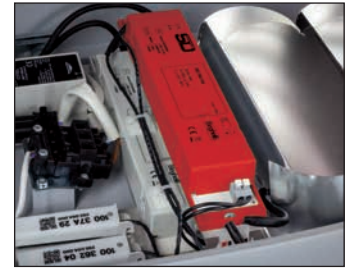
ARM MOUNTING Ø 60



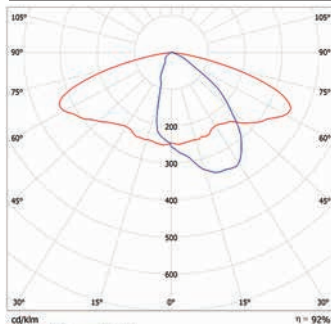
FAST WIRING CONNECTOR



DOUBLE POWER SUPPLY

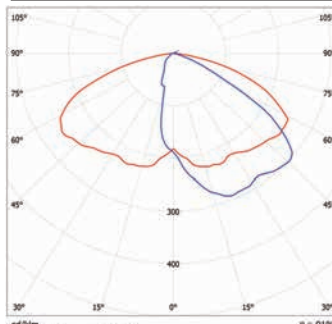


Polar Diagram



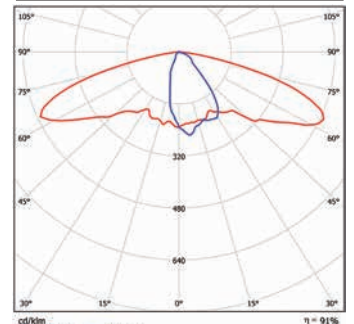
Urban optic

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	lm/W	Energy Class	Packaging
1x 50	S50EXSD	STRA LED EX 1x50 SD 4K	Extrurban Street	32	4 000	>70	34	24	4 800	4 000	115	A++	1/1
1x 70	S70EXSD	STRA LED EX 1x70 SD 4K	Extrurban Street	47	4 000	>70	51	24	6 700	5 600	110	A++	1/1
1x 100	S100EXSD	STRA LED EX 1x100 SD 4K	Extrurban Street	66	4 000	>70	72(56***)	48	10 000	8 000	112	A++	1/1
1x 150	S150EXSD	STRA LED EX 1x150 SD 4K	Extrurban Street	94	4 000	>70	103	48	13 500	11 500	105	A++	1/1
1x 250	S250EXSD	STRA LED EX 1x250 SD 4K	Extrurban Street	120	4 000	>70	130(113***)	48	17 000	14 000	110	A++	1/1
1x 50	S50EXLSD	STRA LED EX LONG 1x50 SD 4K	Extrurban Wide Street	32	4 000	>70	34	24	4 800	4 000	115	A++	1/1
1x 70	S70EXLSD	STRA LED EX LONG 1x70 SD 4K	Extrurban Wide Street	47	4 000	>70	51	24	6 700	5 600	110	A++	1/1
1x 100	S100EXLSD	STRA LED EX LONG 1x100 SD 4K	Extrurban Wide Street	66	4 000	>70	72(56***)	48	10 000	8 000	112	A++	1/1
1x 150	S150EXLSD	STRA LED EX LONG 1x150 SD 4K	Extrurban Wide Street	94	4 000	>70	103	48	13 500	11 500	105	A++	1/1
1x 250	S250EXLSD	STRA LED EX LONG 1x250 SD 4K	Extrurban Wide Street	120	4 000	>70	130(113***)	48	17 000	14 000	109	A++	1/1
1x 30	S30UCSD	STRA LED UC 1x30 SD 4K	Urb. Cycle-ped. Street / Park	22	4 000	>70	24	16	3 400	2 900	120	A++	1/1
1x 50	S50UCSD	STRA LED UC 1x50 SD 4K	Urb. Cycle-ped. Street / Park	31	4 000	>70	34	16	4 500	3 900	115	A++	1/1
1x 70	S70UCSD	STRA LED UC 1x70 SD 4K	Urb. Cycle-ped. Street / Park	44	4 000	>70	48	32	6 700	5 300	110	A++	1/1
1x 100	S100UCSD	STRA LED UC 1x100 SD 4K	Urb. Cycle-ped. Street / Park	60	4 000	>70	66(56***)	32	9 400	7 200	109	A++	1/1

* 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 V_{AC}.

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.