

# 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.

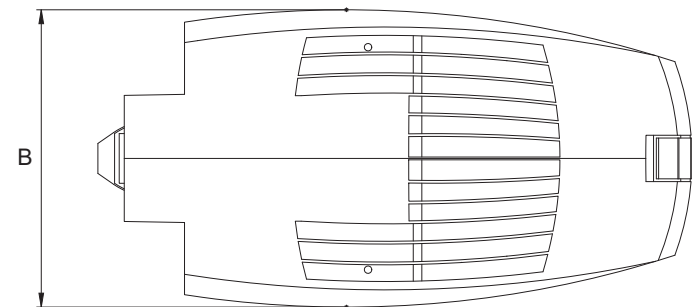
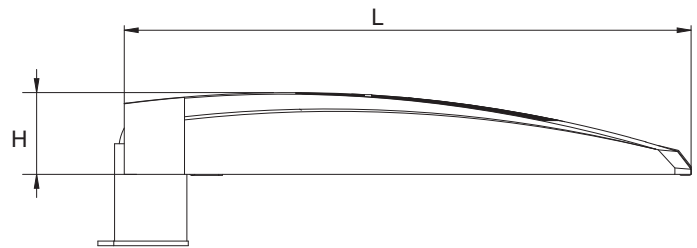
The excellent mechanical characteristics (IP66-IK09) offered by the innovative housing in die-cast aluminium and toughened glass ensure long life in outdoor environments even in extreme conditions. The SmartDriver, installed on the whole S series, allows integration with the various Smart modules in 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<sub>AC</sub> 50/60 Hz 176–250 V<sub>DC</sub>
- 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
- MTBF 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



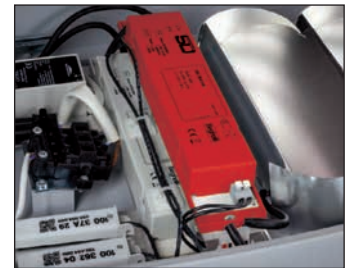
#### ARM MOUNTING Ø 60



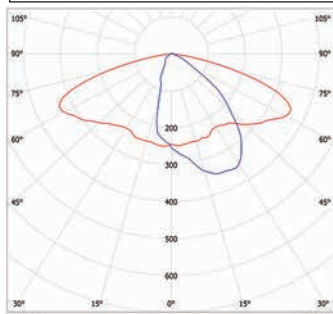
#### FAST WIRING CONNECTOR



#### DOUBLE POWER SUPPLY

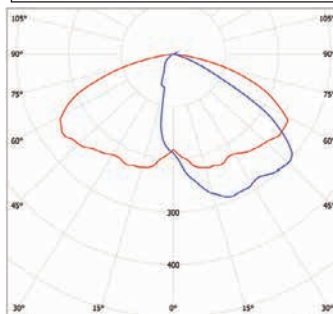


#### Polar Diagram



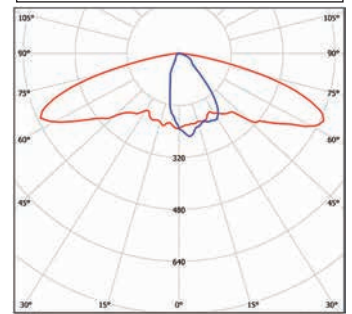
Urban optic

#### 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	<b>S50EXSD</b>	STRA LED EX 1x50 SD 4K	Extrurban Street	32	4 000	>70	34	24	4 800	4 000	115	A++	1/1
1x 70	<b>S70EXSD</b>	STRA LED EX 1x70 SD 4K	Extrurban Street	47	4 000	>70	51	24	6 700	5 600	110	A++	1/1
1x 100	<b>S100EXSD</b>	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	<b>S150EXSD</b>	STRA LED EX 1x150 SD 4K	Extrurban Street	94	4 000	>70	103	48	13 500	11 500	105	A++	1/1
1x 250	<b>S250EXSD</b>	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	<b>S50EXLSD</b>	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	<b>S70EXLSD</b>	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	<b>S100EXLSD</b>	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	<b>S150EXLSD</b>	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	<b>S250EXLSD</b>	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	<b>S30UCSD</b>	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	<b>S50UCSD</b>	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	<b>S70UCSD</b>	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	<b>S100UCSD</b>	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<sub>AC</sub>.

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.