

Model: Radius LED Street Light

ST-1M/6000

Road Lighting At Its Best

RADIUS LET ST street light showcases elegant compact design, and features state-of-the-art technologies from Philips. The system is equipped with Fortimo Fast Flex modules and Philips Xitanium Outdoor driver. Fast Flex modules have a minimum lifetime of 120.000 hours. Other key features include a smart overheat prevention system, an efficient light angle control system, and a Dynadimmer function which allows energy-saving programmability. The system has great thermal characteristics, and can be utilised in temperatures ranging from - 40°C to + 50°C. To match the needs of different applications, RADIUS LED ST has six standard and many optics options from LEDiL available.

GENERAL TECHNICAL SPECIFICATIONS

Supply Voltage	220-240V AC
Supply Frequency	50-60 Hz
RFI Suppression	EN 55015 / CISPR 15
Immunity	EN 61547
Harmonics	EN 6100-3-2
Operating Temperature	-40 - +50° C
Storage Temperature	-40 - +60° C
Housing Material	Corrosion Resistant, UV Protected Aluminium Housing
Enclosure Rating	IP66
Lid Material	Tempered Glass
Mech. Impact Protection	IK09
Protection Calss IEC	Safety Class I
Number of LED Modules	1
Lamp Family Code	Philips FastFlex or
Light Colour K	3000, 4000 or 5700
Colour Rendering Index	> 70 or > 80
Minimum Useful Life	See next page

* in preparation

Driver / Power / Unit	Philips Xantium
Flickering	IEEE 1789
THD	< 20%
Power Factor (full load at 230V)	> 0.95
Driver Efficiency	> 90%
Control Method	1-10V, LineSwitch or Dynadimmer LITE (DALI optional)
Dimming Range	7 ... 100%
System Wattage	Up to 50 W
LED Module Efficiency (max)	Up to 160 lm/W
Lumen Output of LED Modules (max)	Up to 6.223 lm

CityTouch

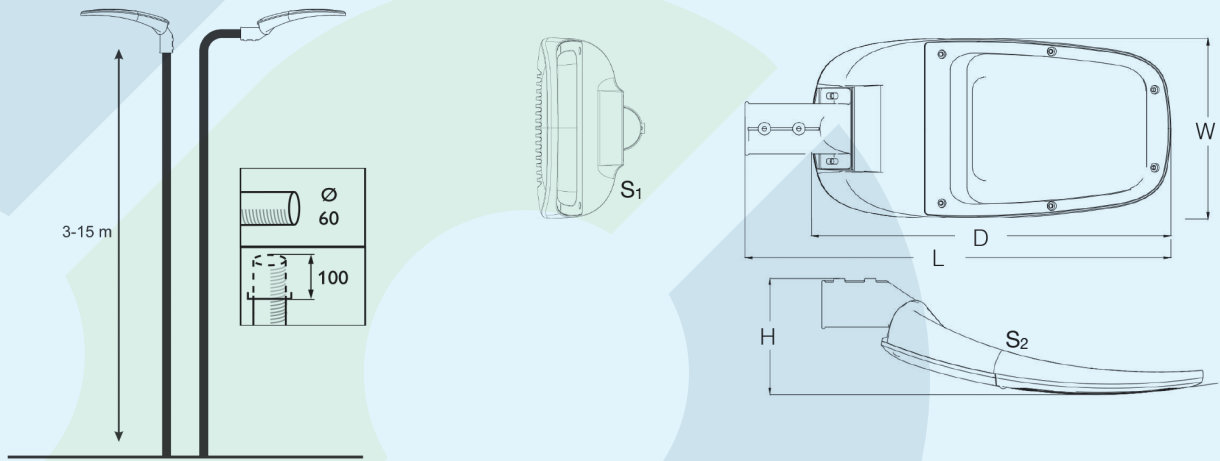
Ready

Good to know:
The system can be mounted on horizontal and vertical poles



GENERAL TECHNICAL SPECIFICATIONS

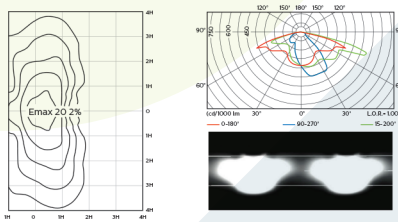
EAN	Reference	Wattage	LED Module Efficiency (max)	Lumen Output of LED Modules (max)	Minimum Useful Life L80B50	Area (mm ²)		Dimensions (mm)			
						S1	S2	D	L	W	H
4772049000971	ST-1M/6000	20W	160 lm/W	3.209 lm	120.000 hours at Ta 25C° 110.000 hours at Ta 45C°	0,0306	0,0373	520	616	259	186
		30W	146 lm/W	4.377 lm	120.000 hours at Ta 25C° 110.000 hours at Ta 45C°						
		40W	134 lm/W	5.382 lm	110.000 hours at Ta 25C° 90.000 hours at Ta 45C°						
		50W	124 lm/W	6.223 lm	90.000 hours at Ta 25C° 70.000 hours at Ta 45C°						



AVAILABLE OPTICS

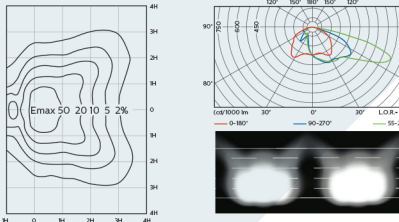
FastFlex lens 2x8/II-X Gen2

Designed for narrow roads and urban street lighting.



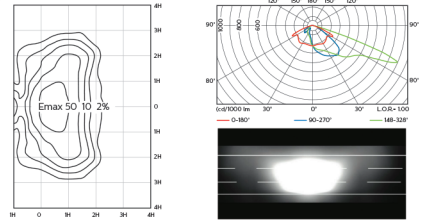
FastFlex lens 2x8/IV-X Gen2

Designed for wide roads and asymmetrical floodlighting.



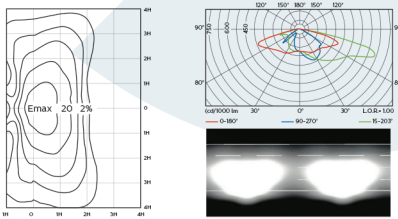
FastFlex lens 2x8/II-X WTR Gen2

Designed for wet road lighting.



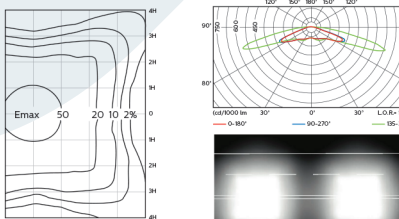
FastFlex lens 2x8/III-X Gen2

Designed for roads of medium width and urban street lighting.



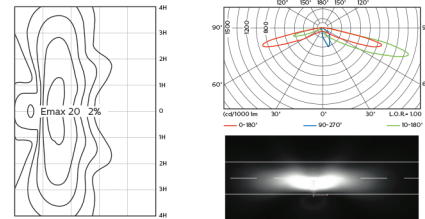
FastFlex lens 2x8/V Gen2

Designed for symmetrical lighting, e.g. parking lots, petrol stations.



FastFlex lens 2x4/SW-X Gen2

Designed for Pedestrian Road and Bicycle lighting.



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