

RoadSpark™

INTELLIGENT STREET LIGHT

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RoadSpark™ *slim* is a durable and energy efficient street lighting solution. The basic setup allows for energy savings of up to 60%, while additional smart control units can increase the energy savings to 70%.

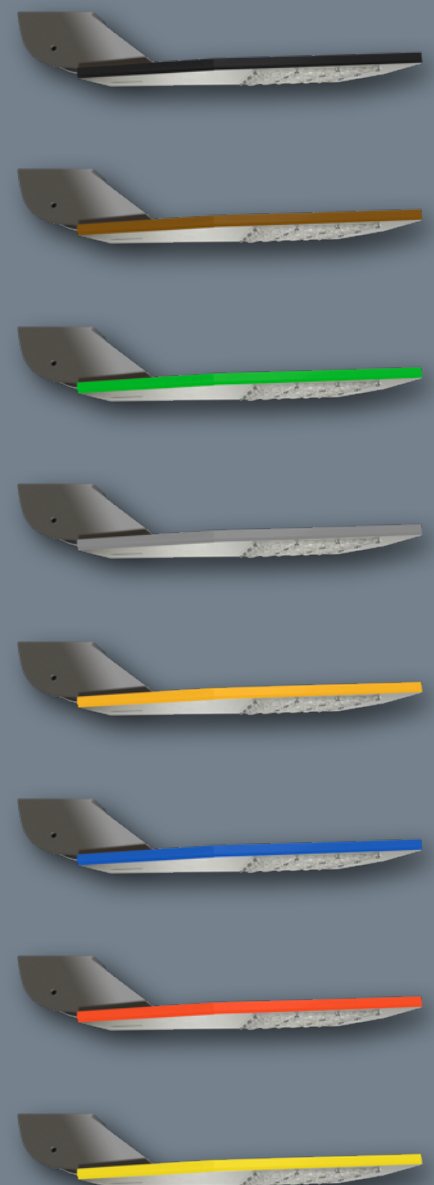
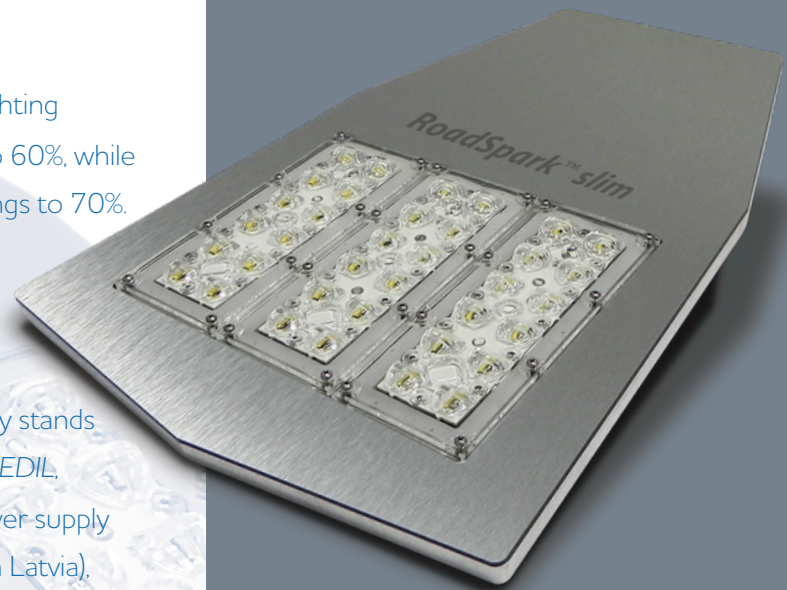
Energy efficiency

The lamp utilizes CREE (USA) LED modules with nominal energy efficiency of up to 139 lm/W. LED optical efficiency stands at 94% and provides protection for LED and comes from LEDIL, a leading optics supplier (Finland). Durable body, sound power supply system and own proprietary control system (all produced in Latvia), along with advanced cooling system provide excellent longevity.

Design

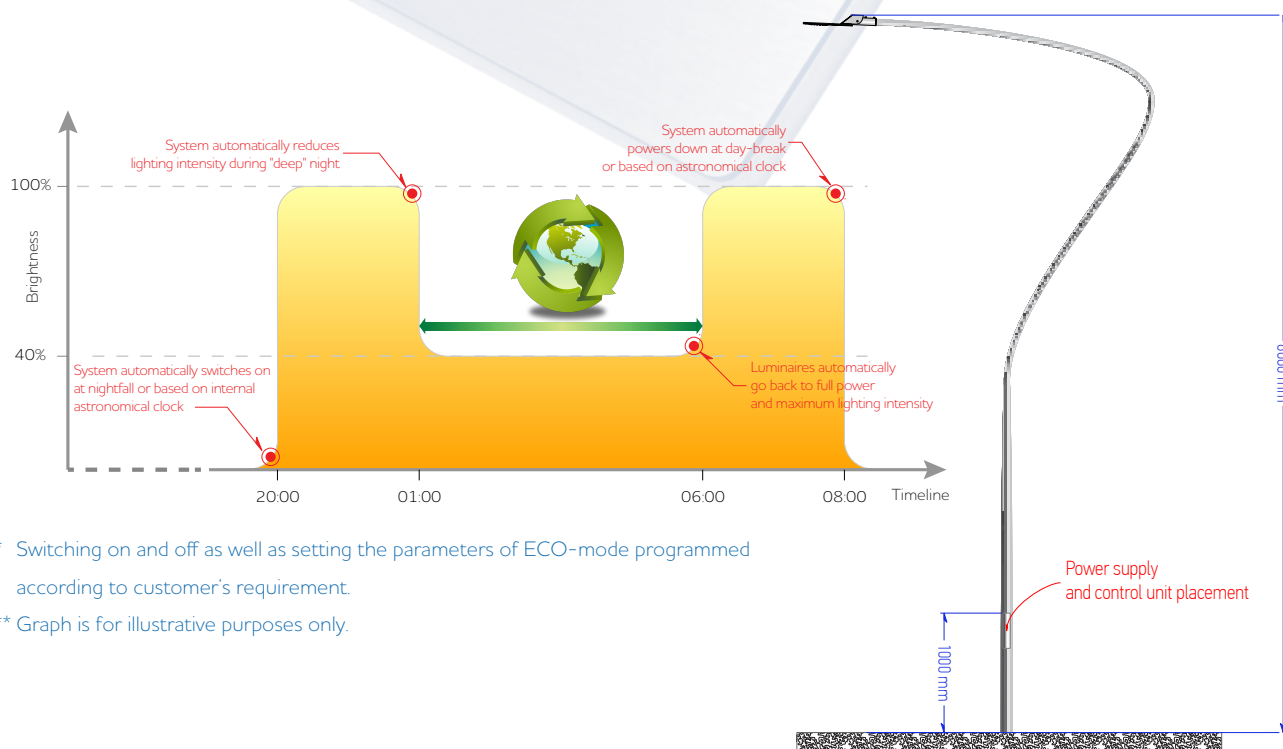
The body of the lamp is fluent and organically blends in with the environment. The color of the body, as well as its distinct horizontal line, come in variety of colors.

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Control system

RoadSpark™ slim control system allows for automatic intensity control during night time (EKO mode). The parameters can be set-up at a distance by remote control. After all the parameters are remotely set, the lamp continues operating according to the parameters as a standalone unit.



* Switching on and off as well as setting the parameters of ECO-mode programmed according to customer's requirement.

** Graph is for illustrative purposes only.

Control system parameters	Type of control system	
	SLIM	SLIM+ (no 2014 g.)
Types of parameters		
Standard lighting intensity	✓	✓
EKO mode lighting intensity	✓	✓
EKO mode duration	✓	✓
System possibilities		
Intensity spread of 10-100%	✓	✓
Distance programming of the lamp	✓	✓
Programming of lamps in batches		✓
Grouping of lamps based on address		✓

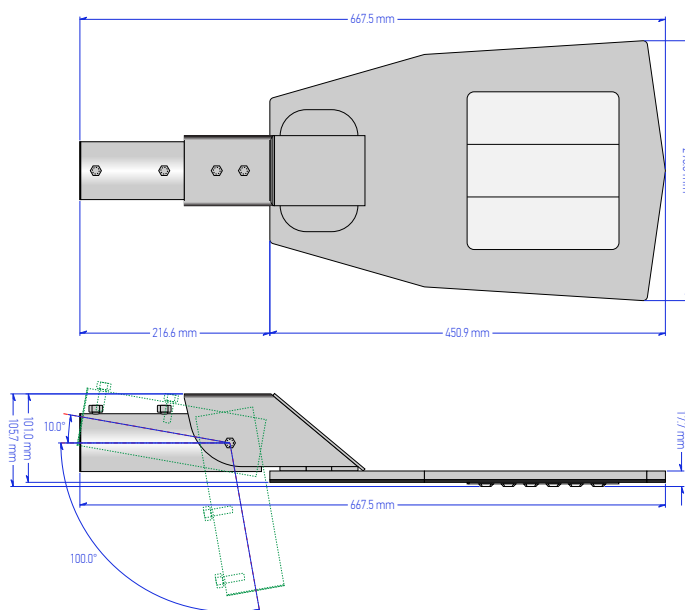
Parameters		RoadSpark™ slim			
		RS40	RS60	RS80	RS120
1	Power consumption (W)	40	60	80	120
2	LED nominal efficiency (lm/W)	139	124	115	124
3	Body	Aluminum and plastics			
4	Radiator type	Passive			
5	Protection class (IP/IK)	IP66/IK08			
6	Power supply efficiency	≥95%			
7	Power supply PFC	≥97%			
8	Lamp fitting on lamp post	Universal			
9	Advised mounting height (m)	5 ÷ 7	6 ÷ 8	7 ÷ 9	8 ÷ 10
10	Advised lamp distancing (m)	20 ÷ 30	25 ÷ 35	30 ÷ 40	30 ÷ 40
11	Spectrum of the lamp (K)	3000 ÷ 5000			
12	LED manufacturer	Cree			
13	Voltage spread (V)	160 ÷ 250			
14	LED theoretical operation to L70	+			
15	Manufacturer warranty (years)	5			
16	Soft start	Start-up power: 20%; time to full power: 10s;			
17	Control system	Intensity control via local control system			
18	Exchangeable LED modules	+			
19	Operational temperature (°C)	from -30 to +30			
20	Production country	Latvia (EU)			
21	CE declaration, RoHS	+			
22	Dimensions (mm)	650x133x352		834x133x372	
23	Standard color (body/line)	RAL 7047 / black			
24	Location of power supply and control unit	at the bottom of the light pillar			
Additional features (optional)					
25	Increased operational temperature (°C)	from -40 to +50			
26	Color tone for horizontal line	RAL code			
27	Increased voltage spread (V)	90 ÷ 300			

Code format

Standard parameters			
Lamp	Power (W)	Control system	Optics
RS	40		SB
	60	SLIM	
	80	SLIM+	
	120		
Additional features			
25	26	27	
A	S	A	
N	RAL	N	

A - required
N - not required

Example:
RS-40-SLIM-SB
RS-120-SLIM+-SB-A-S-A-N



* Supplier may improve the specifications without prior notice. For final specification please consult the supplier or distributor.