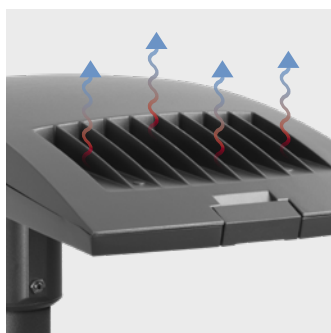


KREOS

OUTDOOR | URBAN | STREET LIGHTING



The quality light smart cities deserve

KREOS, future of "krei" (to create) in the Esperanto language, is a wish to bring fast from scratch the smart city of tomorrow. Thanks to the experience gained with projects all around the world, PERFORMANCE IN LIGHTING has developed this series with new proprietary optics, made with premium silver-plated reflectors. They are designed according to three imperatives: energy saving, achieved thanks to light "only where needed"; visual comfort, guaranteed by reduced levels of glare and intrusive light; versatility, met with a set of lighting solutions to adapt to the heterogeneity of existing plants. In new projects, an optimised inter distance allows fewer devices to be used, thus reducing installation, maintenance, and operating costs.

The series meets the needs of the cities of the future through the provision for NEMA and Zhaga Book 18 protocols, interfaces for wireless remote control systems, opening to all future developments of the Internet of Things (IoT) and connected cities. In this way, each public administration can use its management system and platforms in anticipation of further developments in smart cities.

KREOS

OVERVIEW



KREOS **NEW**

Construction

IP	IP66	
IK	IK08 9J xx5	
Dimensions [mm]	L 536 H 300 - D 80,5	
Windage area	EPA - front	0,0147 m²
	EPA - side	0,047 m²
	EPA - top	0,022 m²
Weight	Max 6,5 kg	
Colour	●	

LED

Lightsource lumen output	3000 K	1875 lm ÷ 12125 lm
	4000 K	1965 lm ÷ 12707 lm
Luminaire lumen output	3000 K	1417 lm ÷ 9410 lm
	4000 K	1485 lm ÷ 9862 lm
CCT - Correlated Color Temperature	3000 K - 4000 K	
CRI / SDCM (macadam step)	70/5	
Lifetime	L90B10@100000h	

Optic

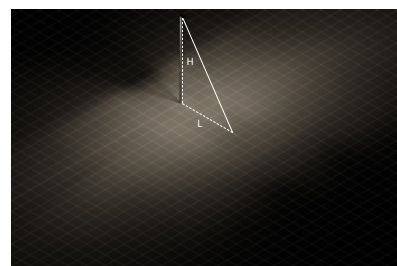
SR/075 road reflector	SR/075
SR/100 road reflector	SR/100
SR/125 road reflector	SR/125
SR/150 road reflector	SR/150

Electrical

Wattage	12 W - 16 W - 24 W - 34 W - 35 W 44 W - 53 W - 63 W - 82 W
Class	II
Ta MAX° luminarie	40° C - 50° C
Ta MIN° luminarie	-40°C
Dimmable 1-10 V	-
Dimmable DALI	-
COSφ ≥ 0,9	✓

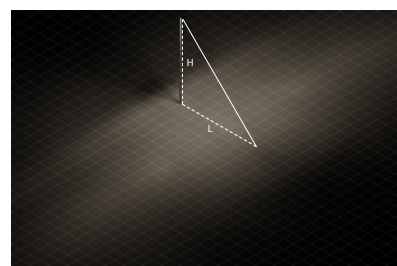
Control systems

Automatic derating	✓
Pilot wire command derating	(on request)
Constant light output	(on request)



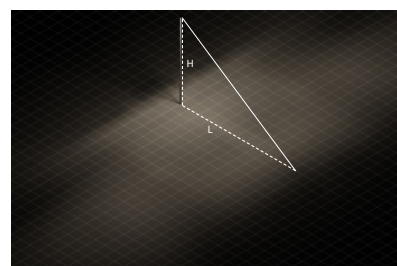
SR/075

(0,5 ≥ L/H ≥ 0,875)



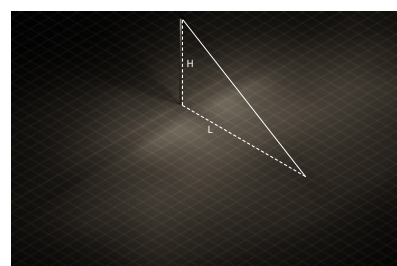
SR/100

(0,875 ≥ L/H ≥ 1,125)



SR/125

(1,125 ≥ L/H ≥ 1,375)



SR/150

(1,375 ≥ L/H ≥ 1,625)

KREOS

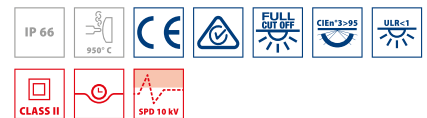
design by PERFORMANCE IN LIGHTING



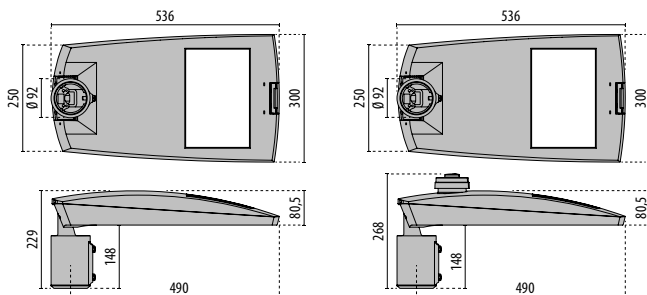
Series of LED street luminaires, comprising:

- Housing and cap in die-cast aluminium with polyester powder coating after surface chemical conversion treatment
- Painted die-cast aluminium pole-mounting joint for pole Ø 60 mm or 76 mm
- Very high performance reflectors made of very pure aluminium, polished and oxidised with successive PVD 99.99% silver treatment. This creates a surface with greater than 97% reflectance and free of iridescence.
- Optics available depending on the models: SR/075 for narrow roads with an L/H ratio (road width/pole height) between 0.5 and 0.75; SR/100 for two-lane roads and L/H ratio equal to 1; SR/125 for wide roads and L/H ratio equal to 1.25; SR/150 for wide roads and L/H ratio equal to 1.5
- Compliant with the UNI 10819 Standard and with the Italian regional laws on light pollution
- High resiliency anti-ageing silicone gasket with high elastic return capacity
- Flat extra clear tempered glass diffuser
- Automatic line isolator switch that cuts off power supply when ring is opened

- High efficiency electronic driver
- Complete with supplementary device for protection against network surges of up to 10 kV (DM)
- Complete with 1 meter H07RN-F 2x1.5 mm² or H07RN-F 4x1.5 mm² cable for dimmable versions, which allows connection to the network without opening the luminaire
- Stainless steel external screws
- NEMA versions are complete with NEMA SOCKET connected to DALI dimmer capable drivers and a watertight short-circuit cap that allows the on-off operation of the luminaire. These versions are designed for mounting SMART-compatible solutions.
- KREOS versions can be manufactured with all optics available for the series. Consult Factory
- Consult factory for other colour temperatures and colour rendering index
- CLO (Constant light output) option available. Consult Factory
- Photometric data measure according to UNI EN 13032-4 and IES LM-79-08



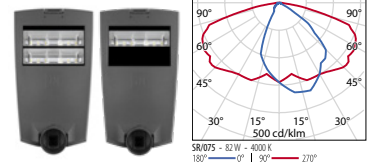
● AN-96 / Anthracite gray / Textured



Please visit our web site
www.performanceinlighting.com
 for the latest updated versions available.

KREOS SR/075

IK08 9J xx5

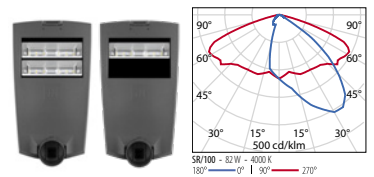


Power LED - with automatic power reduction 220-240 V 50/60 Hz

WATTAGE	CLASS	CE	CRI	KELVIN	COS Φ ≥ 0.9	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
82 W	II	-	70	4000	✓	SR/075	-	12707 lm	9851 lm	90	10	100000 h	●	3106228
82 W	II	-	70	3000	✓	SR/075	-	12125 lm	9400 lm	90	10	100000 h	●	3106237
63 W	II	-	70	4000	✓	SR/075	-	10611 lm	8302 lm	90	10	100000 h	●	3106227
63 W	II	-	70	3000	✓	SR/075	-	10125 lm	7922 lm	90	10	100000 h	●	3106236
53 W	II	-	70	4000	✓	SR/075	-	9039 lm	7293 lm	90	10	100000 h	●	3106226
53 W	II	-	70	3000	✓	SR/075	-	8625 lm	6959 lm	90	10	100000 h	●	3106235
44 W	II	-	70	4000	✓	SR/075	-	7729 lm	6323 lm	90	10	100000 h	●	3106225
44 W	II	-	70	3000	✓	SR/075	-	7375 lm	6033 lm	90	10	100000 h	●	3106234
35 W	II	-	70	4000	✓	SR/075	-	6288 lm	5117 lm	90	10	100000 h	●	3106224
35 W	II	-	70	3000	✓	SR/075	-	6000 lm	4883 lm	90	10	100000 h	●	3106233
34 W	II	-	70	4000	✓	SR/075	-	5305 lm	4240 lm	90	10	100000 h	●	3106223
34 W	II	-	70	3000	✓	SR/075	-	5062 lm	4046 lm	90	10	100000 h	●	3106232
24 W	II	-	70	4000	✓	SR/075	-	3930 lm	3163 lm	90	10	100000 h	●	3106222
24 W	II	-	70	3000	✓	SR/075	-	3750 lm	3018 lm	90	10	100000 h	●	3106231
16 W	II	-	70	4000	✓	SR/075	-	2685 lm	2155 lm	90	10	100000 h	●	3106221
16 W	II	-	70	3000	✓	SR/075	-	2562 lm	2056 lm	90	10	100000 h	●	3106230
12 W	II	-	70	4000	✓	SR/075	-	1965 lm	1567 lm	90	10	100000 h	●	3106220
12 W	II	-	70	3000	✓	SR/075	-	1875 lm	1495 lm	90	10	100000 h	●	3106229

KREOS SR/100

IK08 9J xx5

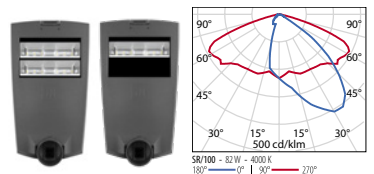


Power LED - with automatic power reduction 220-240 V 50/60 Hz

WATTAGE	CLASS	CE	CRI	KELVIN	COS Φ ≥ 0.9	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
82 W	II	-	70	4000	✓	SR/100	-	12707 lm	9862 lm	90	10	100000 h	●	3106121
82 W	II	-	70	3000	✓	SR/100	-	12125 lm	9410 lm	90	10	100000 h	●	3106179
63 W	II	-	70	4000	✓	SR/100	-	10611 lm	8311 lm	90	10	100000 h	●	3106120
63 W	II	-	70	3000	✓	SR/100	-	10125 lm	7930 lm	90	10	100000 h	●	3106178
53 W	II	-	70	4000	✓	SR/100	-	9039 lm	7302 lm	90	10	100000 h	●	3106119
53 W	II	-	70	3000	✓	SR/100	-	8625 lm	6968 lm	90	10	100000 h	●	3106177
44 W	II	-	70	4000	✓	SR/100	-	7729 lm	6330 lm	90	10	100000 h	●	3106118
44 W	II	-	70	3000	✓	SR/100	-	7375 lm	6040 lm	90	10	100000 h	●	3106176
35 W	II	-	70	4000	✓	SR/100	-	6288 lm	5122 lm	90	10	100000 h	●	3106117
35 W	II	-	70	3000	✓	SR/100	-	6000 lm	4887 lm	90	10	100000 h	●	3106175
34 W	II	-	70	4000	✓	SR/100	-	5305 lm	4247 lm	90	10	100000 h	●	3106116
34 W	II	-	70	3000	✓	SR/100	-	5062 lm	4053 lm	90	10	100000 h	●	3106174
24 W	II	-	70	4000	✓	SR/100	-	3930 lm	3210 lm	90	10	100000 h	●	3106115
24 W	II	-	70	3000	✓	SR/100	-	3750 lm	3063 lm	90	10	100000 h	●	3106173
16 W	II	-	70	4000	✓	SR/100	-	2685 lm	2190 lm	90	10	100000 h	●	3106114
16 W	II	-	70	3000	✓	SR/100	-	2562 lm	2090 lm	90	10	100000 h	●	3106172
12 W	II	-	70	4000	✓	SR/100	-	1965 lm	1575 lm	90	10	100000 h	●	3106113
12 W	II	-	70	3000	✓	SR/100	-	1875 lm	1503 lm	90	10	100000 h	●	3106171

KREOS SR/100 NEMA

IK08 9J xx5



Power LED - dimmable DALI with NEMA socket - 220-240 V 50/50 Hz

WATTAGE	CLASS	CE	CRI	KELVIN	COS Φ ≥ 0.9	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOUR/ RAL	PART NUMBER
82 W	II	-	70	4000	✓	SR/100	-	12707 lm	9862 lm	90	10	100000 h	●	3105696
82 W	II	-	70	3000	✓	SR/100	-	12125 lm	9410 lm	90	10	100000 h	●	3106161
63 W	II	-	70	4000	✓	SR/100	-	10611 lm	8311 lm	90	10	100000 h	●	3105695
63 W	II	-	70	3000	✓	SR/100	-	10125 lm	7930 lm	90	10	100000 h	●	3106160
53 W	II	-	70	4000	✓	SR/100	-	9039 lm	7302 lm	90	10	100000 h	●	3105694
53 W	II	-	70	3000	✓	SR/100	-	8625 lm	6968 lm	90	10	100000 h	●	3106159
44 W	II	-	70	4000	✓	SR/100	-	7729 lm	6330 lm	90	10	100000 h	●	3105693
44 W	II	-	70	3000	✓	SR/100	-	7375 lm	6040 lm	90	10	100000 h	●	3106158
35 W	II	-	70	4000	✓	SR/100	-	6288 lm	5122 lm	90	10	100000 h	●	3105692
35 W	II	-	70	3000	✓	SR/100	-	6000 lm	4887 lm	90	10	100000 h	●	3106157
34 W	II	-	70	4000	✓	SR/100	-	5305 lm	4247 lm	90	10	100000 h	●	3105691
34 W	II	-	70	3000	✓	SR/100	-	5062 lm	4053 lm	90	10	100000 h	●	3106156
24 W	II	-	70	4000	✓	SR/100	-	3930 lm	3210 lm	90	10	100000 h	●	3105690
24 W	II	-	70	3000	✓	SR/100	-	3750 lm	3063 lm	90	10	100000 h	●	3106155
16 W	II	-	70	4000	✓	SR/100	-	2685 lm	2190 lm	90	10	100000 h	●	3105689
16 W	II	-	70	3000	✓	SR/100	-	2562 lm	2090 lm	90	10	100000 h	●	3106154
12 W	II	-	70	4000	✓	SR/100	-	1965 lm	1575 lm	90	10	100000 h	●	3105688
12 W	II	-	70	3000	✓	SR/100	-	1875 lm	1503 lm	90	10	100000 h	●	3106153

KREOS SR/125

IK08 9J xx5

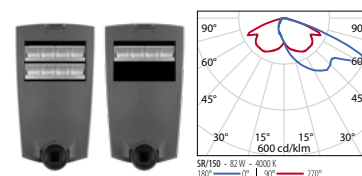
WATTAGE	CLASS	CE	CRI	KELVIN	COS ϕ ≥ 0,9	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOR/ RAL	PART NUMBER
Power LED - with automatic power reduction 220-240 V 50/60 Hz														
82 W	II	-	70	4000	✓	SR/125	-	12707 lm	9779 lm	90	10	100000 h	●	3106246
82 W	II	-	70	3000	✓	SR/125	-	12125 lm	9331 lm	90	10	100000 h	●	3106255
63 W	II	-	70	4000	✓	SR/125	-	10611 lm	8241 lm	90	10	100000 h	●	3106245
63 W	II	-	70	3000	✓	SR/125	-	10125 lm	7864 lm	90	10	100000 h	●	3106254
53 W	II	-	70	4000	✓	SR/125	-	9039 lm	7240 lm	90	10	100000 h	●	3106244
53 W	II	-	70	3000	✓	SR/125	-	8625 lm	6908 lm	90	10	100000 h	●	3106253
44 W	II	-	70	4000	✓	SR/125	-	7729 lm	6277 lm	90	10	100000 h	●	3106243
44 W	II	-	70	3000	✓	SR/125	-	7375 lm	5990 lm	90	10	100000 h	●	3106252
35 W	II	-	70	4000	✓	SR/125	-	6288 lm	5079 lm	90	10	100000 h	●	3106242
35 W	II	-	70	3000	✓	SR/125	-	6000 lm	4846 lm	90	10	100000 h	●	3106251
34 W	II	-	70	4000	✓	SR/125	-	5305 lm	4204 lm	90	10	100000 h	●	3106241
34 W	II	-	70	3000	✓	SR/125	-	5062 lm	4011 lm	90	10	100000 h	●	3106250
24 W	II	-	70	4000	✓	SR/125	-	3930 lm	3144 lm	90	10	100000 h	●	3106240
24 W	II	-	70	3000	✓	SR/125	-	3750 lm	3000 lm	90	10	100000 h	●	3106249
16 W	II	-	70	4000	✓	SR/125	-	2865 lm	2142 lm	90	10	100000 h	●	3106239
16 W	II	-	70	3000	✓	SR/125	-	2562 lm	2044 lm	90	10	100000 h	●	3106248
12 W	II	-	70	4000	✓	SR/125	-	1965 lm	1558 lm	90	10	100000 h	●	3106238
12 W	II	-	70	3000	✓	SR/125	-	1875 lm	1487 lm	90	10	100000 h	●	3106247



KREOS SR/150

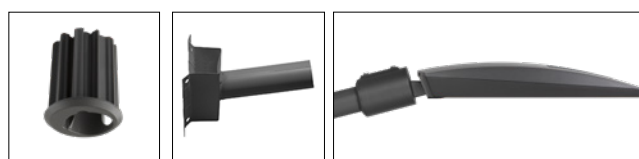
IK08 9J xx5

WATTAGE	CLASS	CE	CRI	KELVIN	COS ϕ ≥ 0,9	OPTIC	OPTIC BEAM	LIGHTSOURCE LUMEN OUTPUT	LUMINAIRE LUMEN OUTPUT	L	B	LIFETIME	COLOR/ RAL	PART NUMBER
Power LED - with automatic power reduction 220-240 V 50/60 Hz														
82 W	II	-	70	4000	✓	SR/150	-	12707 lm	9156 lm	90	10	100000 h	●	3106264
82 W	II	-	70	3000	✓	SR/150	-	12125 lm	8737 lm	90	10	100000 h	●	3106273
63 W	II	-	70	4000	✓	SR/150	-	10611 lm	7743 lm	90	10	100000 h	●	3106263
63 W	II	-	70	3000	✓	SR/150	-	10125 lm	7388 lm	90	10	100000 h	●	3106272
53 W	II	-	70	4000	✓	SR/150	-	9039 lm	6725 lm	90	10	100000 h	●	3106262
53 W	II	-	70	3000	✓	SR/150	-	8625 lm	6417 lm	90	10	100000 h	●	3106271
44 W	II	-	70	4000	✓	SR/150	-	7729 lm	5838 lm	90	10	100000 h	●	3106261
44 W	II	-	70	3000	✓	SR/150	-	7375 lm	5571 lm	90	10	100000 h	●	3106270
35 W	II	-	70	4000	✓	SR/150	-	6288 lm	4710 lm	90	10	100000 h	●	3106260
35 W	II	-	70	3000	✓	SR/150	-	6000 lm	4494 lm	90	10	100000 h	●	3106269
34 W	II	-	70	4000	✓	SR/150	-	5305 lm	3937 lm	90	10	100000 h	●	3106259
34 W	II	-	70	3000	✓	SR/150	-	5062 lm	3757 lm	90	10	100000 h	●	3106268
24 W	II	-	70	4000	✓	SR/150	-	3930 lm	2927 lm	90	10	100000 h	●	3106258
24 W	II	-	70	3000	✓	SR/150	-	3750 lm	2793 lm	90	10	100000 h	●	3106267
16 W	II	-	70	4000	✓	SR/150	-	2685 lm	1995 lm	90	10	100000 h	●	3106257
16 W	II	-	70	3000	✓	SR/150	-	2562 lm	1904 lm	90	10	100000 h	●	3106266
12 W	II	-	70	4000	✓	SR/150	-	1965 lm	1485 lm	90	10	100000 h	●	3106256
12 W	II	-	70	3000	✓	SR/150	-	1875 lm	1417 lm	90	10	100000 h	●	3106265



OPTIONAL ACCESSORIES

DESCRIPTION	COLOR	PART NUMBER
KREOS		
Reducer pole Ø 42÷46 mm	●	3106386
Hot-dipped galvanized wall angled steel bracket, cataphoresis and polyester powder	●	14077796



3106386

14077796

