

Innovation is our heritage EST. 1896





INLUMINO

Smart road lighting family







Only two hand-tools required for installing the fixture

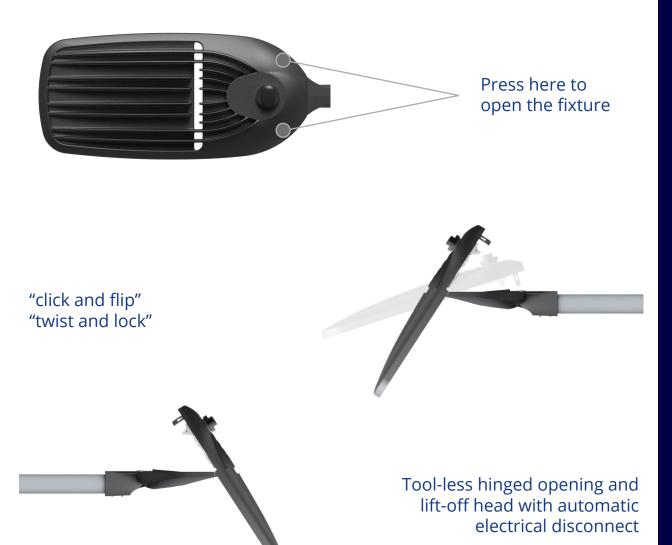




Coupler can be adjusted by 5° -15°, -10°, -5°, 0°, 5°, 10°, 15°

TOOL-LESS MAINTENANCE





SMART READY







Innovation is our heritage **FST. 1896**

Inlumino size XL



RAL 7021











Product information

The new Tungsram luminaire, with its innovative and unique solutions, is an excellent choice for road and street applications. The key aspects of the lamp development are the simple and fast installation, the repair options and the diverse usage. The luminaire meets the expectations of the 21st century: sleek design, and high efficiency. Inlumino is also suitable for a variety of applications, as it can be installed as a light source or easily upgraded to an IoT data point.

Take advantage of the innovation from Tungsram and optimize your outdoor lighting with the new range of Inlumino luminaires.

Application areas



Roadways and Highways



Highmast

Driver features

- Electronic, dimmable driver
- Controls: DALI, 1-10V, Autonomous dimming, CLO
- · Thermal Protection

Structures and materials

- · Housing material: die-cast aluminium body and coupler, with stainless steel screws.
- · Optic material: Optical-grade polycarbonate
- · Optical cover: Tempered glass
- Colour: RAL7021 (Other Colors Possible)
- Impact Strength: IK09 (glass) / IK09 (housing) / IK08 (Shorting Cap)

Electrical

Input voltage and frequency: 220-240V, 50-60Hz

IEC protection class: Class I Driver immunity: 10kV

Rated input power: Up to 535W

Installation and maintenance

Mounting options:

- Side mounting coupler for 30-76mm diameters and -15°, -10°, -5°, 0°, +5°, +10°, +15° tilt options
- Post top mounting coupler for 30-76mm diameters and -15°, -10°, -5°, 0°, +5°, +10°, +15° tilt options
- Weight: 19,5 kg
- Recommended mounting height: 18-25 m
- Only two hand-tools required for installing the fixture
- Click and flip, twist and lock
- Tool-less hinged opening and lift-off head with automatic electrical disconnect
- Storage temperature from -40°C to +85°C
- Ambient temperature from -40°C to +55°C

Optics

100 different optic combinations would be available which are suitable for pedestrian streets to high traffic roads.

Rated colour rendering index > 70

Rated correlated colour temperatures: 2700K, 3000K, 4000K, 5000K

ULOR: 0

Rated initial chromaticity co-ordinate values:

- 2700K: CIE(X=0.458, y=0.410) 5SDCM, 3SDCM on request
- 3000K: CIE(x=0.434, y=0.403) 5SDCM, 3SDCM on request
- 4000K: CIE(x= 0.382, y= 0.3797) 5SDCM, 3SDCM on request
- 5000K: CIE(x=0.345, y=0.355) 5SDCM

Performance

- Rated luminous flux range: Up to 75.000 lm
- Rated luminaire efficacy: Up to 154 lm/W at 4000K
- Rated median useful life and the associated rated LM factor: L80B50 > 350.000 hours
- Rated abrupt failure value: < 10% at 100.000 hours
- Photometric code: 727/559, 730/559, 740/559, 750/559
- Lumen maintenance code: 9
- Definitions and tolerances according to IEC62722-2-1:2014

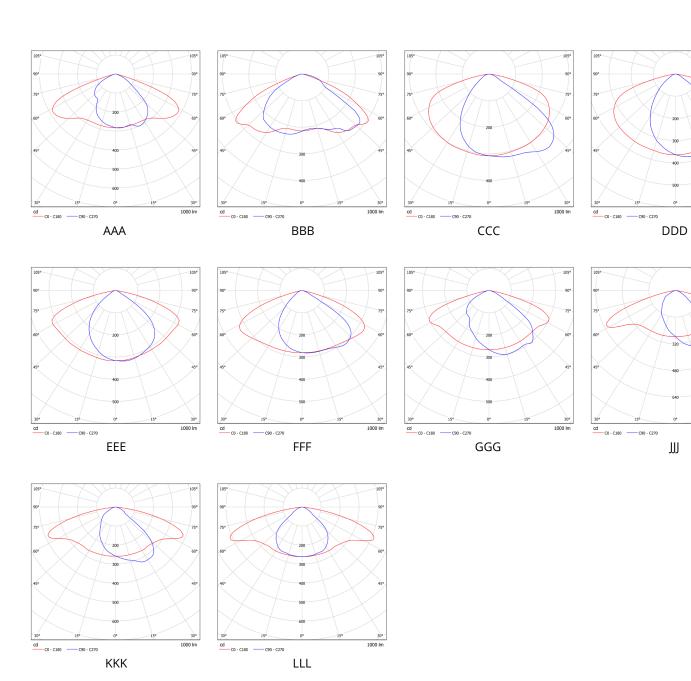
Standards and regulation

CE, ENEC, Directive 2014/30/EU, 2014/35/EU, 2009/125/EC, 2019/2020/EU, 2011/65/EC, EN 60598, EN 62471, EN 55015, EN 61000, EN 62493, EN 61547, IEC 62031

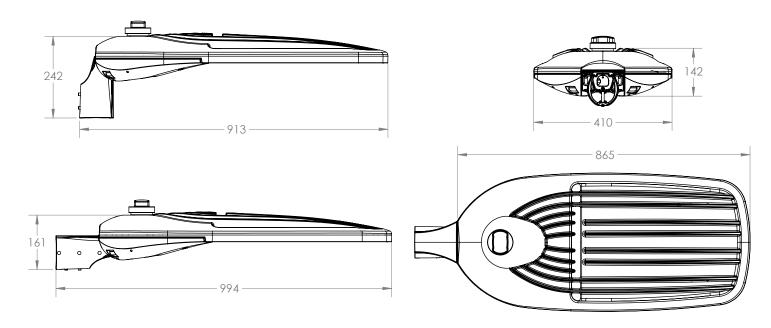
Other options available

- Extra surge prtoection device (10kV/5kA)
- NEMA socket with shorting cap

Typical photometric features



Dimensions (mm)



Order logic

Name	Gen.	Nominal Lumen (lm)	Optics	сст (к)	Option list	Accessories	Control	IEC Protection Classes	Precabling	Mounting	Color	Customer
INXL	1	45000 50000 55000 60000 65000 70000 75000	AAA BBB CCC DDD EEE FFF GGG JJJ KKK LLL	727 - 2700K 70 CRI 730 - 3000K 70 CRI 740 - 4000K 70 CRI 750 - 5000K 70 CRI	S - Standard N - NEMA		N - No control A - Analog 1-10V control D - DALI external Yxx - Autonomous dimming* NLxx - Constant Light* ALxx - Analog + CLO DLxx - DALI + CLO* YLxx - Autonomous + CLO*	C1 - Class I	N - No precabling Pxx - Precabling with XX meters**	U48 - Universal 30-48mm U60 - Universal 42-60mm U76 - Universal 60-76mm	R7021 Rxxxx*	xx

Example: INXL1-75000AAA740-NSPD-C1NU60

- * all symmetric optic combinations are valid eg. ABA, but ABC is not * x is integer number 0-9 * N from option list is only available with SP from accessories

Nominal lumens table

	2700K		3000K			4000K			5000K		
lm	w	lm/W	lm	W	lm/W	lm	w	lm/W	lm	W	lm/W
45000	314	144	45000	302	149	45000	290	154	45000	284	159
50000	355	141	50000	343	146	50000	331	151	50000	320	156
55000	396	139	55000	384	144	55000	372	148	55000	355	154
60000	443	136	60000	425	141	60000	414	145	60000	396	151
65000	490	133	65000	473	138	65000	449	143	65000	437	149
70000	535	131	70000	520	135	70000	502	140	70000	485	145
-	-	-	-	-	-	75000	535	140	75000	526	142