TUNGSRAM™

Innovation is our heritage
EST. 1896

INLUMINO

Smart road lighting family

tungsram.com

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

Press here to
open the fixture

“click and flip”
“twist and lock”

Tool-less hinged opening and
lift-off head with automatic
electrical disconnect

SMART READY

Smart ready luminaire with an
option form NEMA socket

Airgap for optimized cooling
and long lifetime

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DATASHEET

Inlumino

size L+

RAL 7021 | IP66 | IK08 | 13.5 kg | CLASS I

International Dark-Sky Association Fixture Seal of Approval for select models

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 tool-free 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: Only 1-10V
- 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
- Impact Strength: IK09 (glass) / IK09 (housing) / IK08 (Shorting Cap)

Performance

- Rated luminous flux range: Up to 45.000lm
- Rated luminaire efficacy: Up to 149.1lm/W at 4000K
- Rated median useful life and the associated rated LM factor: L80B50 > 290.000 hours
- Rated abrupt failure value: < 10% at 100.000 hours
- Photometric code: 730/559, 740/559
- Lumen maintenance code: 9
- Definitions and tolerances according to IEC62722-2-1:2014

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: 13.5 kg
- Recommended mounting height: 6-25 m
- Only two hand-tools required for installing the fixture
- 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 +50°C

Optics

5 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: 3000K, 4000K
ULOR: 0
Rated initial chromaticity co-ordinate values:
- 3000K: CIE(x=0.4338, y=0.403) 5SDCM
- 4000K: CIE(x= 0.3818, y= 0.3797) 5SDCM

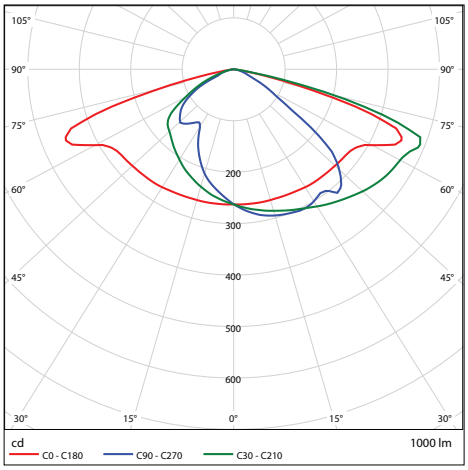
Electrical

Power factor>0.9
Input voltage and frequency: 120-277Hz, 50-60Hz
IEC protection class: Class I
Driver immunity: 10kV/10kA
Rated input power: Up to 317 W

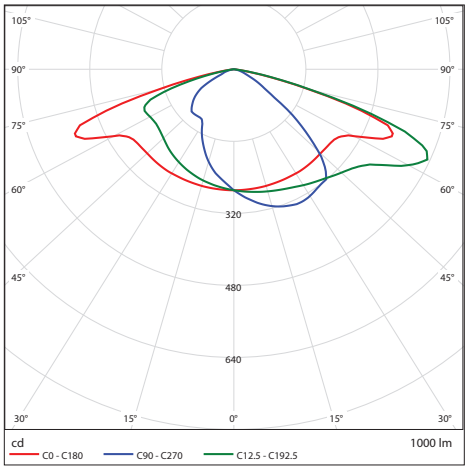
Standards and regulation

ENEC, EN 60598-1, EN60598-2-3, 61000-3-2, EN 62493, EN 61547, SASO, EN62471

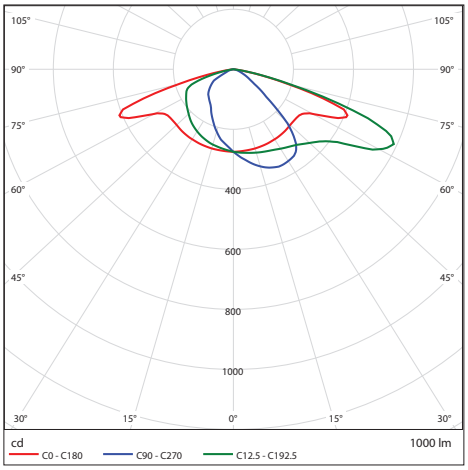
Typical photometric features



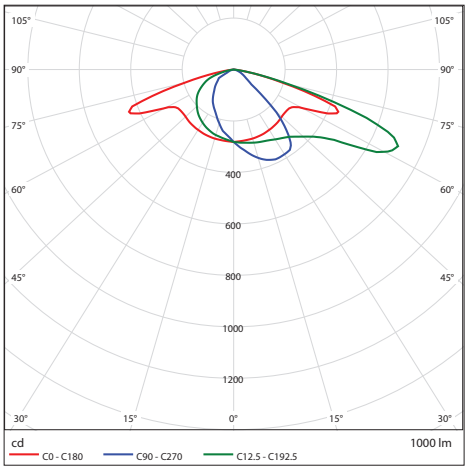
GGG



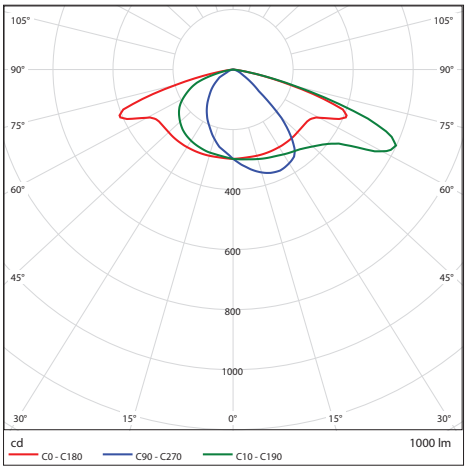
GJG



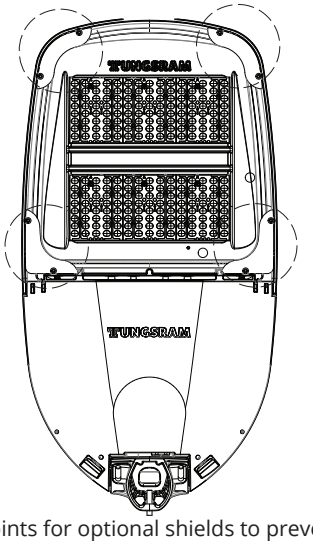
JGJ



JJJ

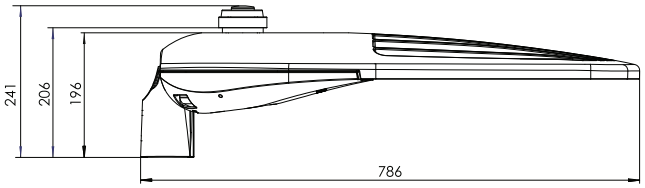


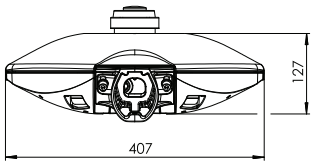
JDJ

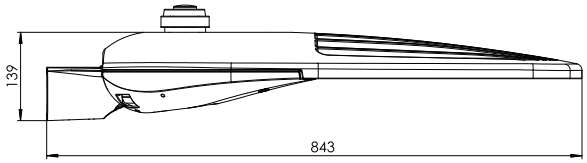


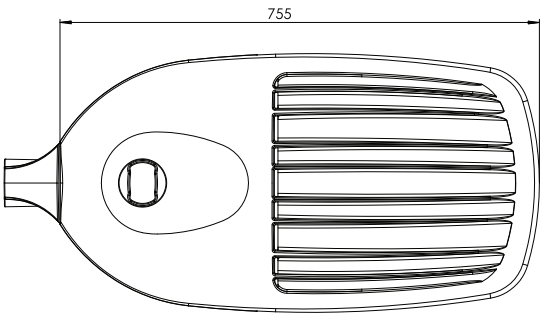
Fixing points for optional shields to prevent light spill.

Dimensions (mm)









Order logic

Name	Gen.	Nominal Lumen[1] (lm)	Optics	CCT (K)	Option list	Accessories	Control	IEC Protection Classes	Precabling	Mounting	Color[2]	Customer
INL+	1	**40000** **42500** **45000**	**GGG** **GJG** **JGJ** **JJJ** **JDJ**	**730** - 3000K 70 CRI **740** - 4000K 70 CRI	**N** - NEMA	**SP** - Enhanced surge protection	**A** - Analog 1-10V Control	**C1** - Class I	**N** - No precabling	**U60** - Universal 42-60mm	Rxxxx	TT

Example: INL+1-40000GGG730-NSPA-C1NU60-TT

[1] **Nominal lumen**:
Within a luminanire family any new lumen value is valid which in between the lowest and highest value. Please request a project specific SKU.
Lumen output of the Luminaire can be programmed by the manufacturer in 100lm steps within the marked range
[2] **Color**:
Leave it blank if it is RAL7021. Other RAL colors available on request

SKU list

Description	Driver Output Current [mA]*	Declared luminous flux [lm]	Declared power [W]	Chip Efficacy [lm/W]	Luminaire Efficacy [lm/W]
INL+1-40000GGG730-NSPA-C1NU60-TT	658	39900	280	153.1	142.5
INL+1-40000GJG740-NSPA-C1NU60-TT	630	40000	267	156.2	149.8
INL+1-40000JGJ740-NSPA-C1NU60-TT	630	40000	267	156.2	149.8
INL+1-42500JGJ740-NSPA-C1NU60-TT	686	42300	292	161.3	144.9
INL+1-42500JJJ740-NSPA-C1NU60-TT	686	42200	292	161.3	144.5
INL+1-45000JGJ740-NSPA-C1NU60-TT	739	45300	317	161.1	142.9
INL+1-42500GGG740-NSPA-C1NU60-TT	686	42300	292	161.3	144.9
INL+1-40000GJG730-NSPA-C1NU60-TT	658	39900	280	153.1	142.5
INL+1-40000JGJ730-NSPA-C1NU60-TT	658	40000	280	153.1	142.9
INL+1-42500JJJ730-NSPA-C1NU60-TT	714	43500	305	158.4	142.6
INL+1-45000JDJ740-NSPA-C1NU60-TT	739	45300	317	161.1	142.9

* Current to LED chips

3000K or warmer CCT must be specified to meet International Dark-Sky Association certification