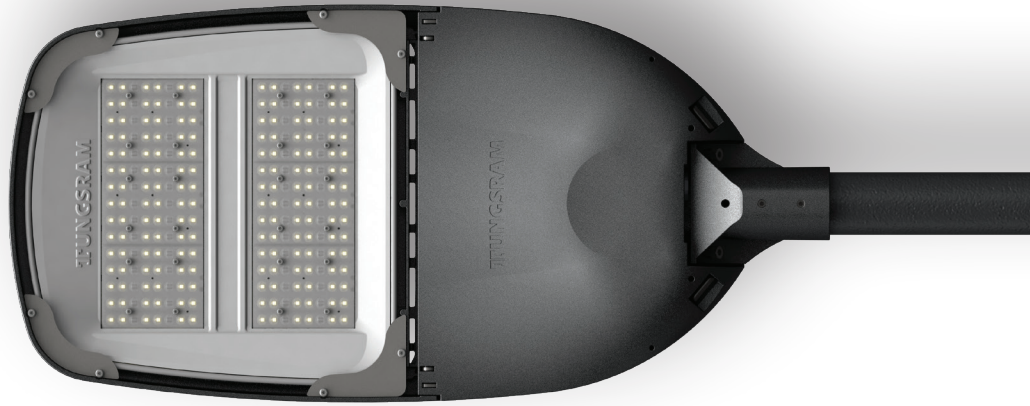


TUNGSRAM™

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"



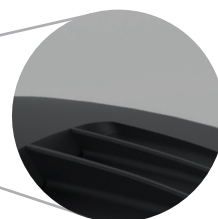
Tool-less hinged opening and lift-off head with automatic electrical disconnect



SMART READY



Smart ready luminaire with an option form NEMA socket



Airgap for optimized cooling and long lifetime

Inlumino

size L Gen 2



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 with its higher lumen package, higher efficacy, longer life time, more dimming options, higher colour rendering, more CCT options. Further with its sleek and aerodynamic design adds to its aesthetic look. 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



Pedestrian street

Driver features

- Electronic, dimmable driver
- Controls: 1-10V Analog, Dali, 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
- Impact Strength: IK09 (glass) / IK09 (housing) / IK08 (Shorting Cap)

Electrical

Input voltage and frequency: 220-240V, 50-60Hz
IEC protection class: Class I, Class II
Driver immunity: 10kV
Rated input power: 205W – 307W

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: 12.5 kg
- Recommended mounting height: 6-25 m
- Only two hand-tools required for installing the fixture
- Tool-less maintenance, 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 +50°C

Optics

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

Rated colour rendering index >70 or >80

Rated correlated colour temperatures: 2200K (available in CRI70 only), 2700K, 3000K, 4000K, 5000K

ULOR: 0

Rated initial chromaticity co-ordinate values (3SDCM only available in CRI70):

- 2200K: CIE(x=0.5020, y=0.4156) 5SDCM, 3SDCM on request (available in CRI70 only)
- 2700K: CIE(x=0.4577, y=0.4098) 5SDCM, 3SDCM on request
- 3000K: CIE(x=0.4339, y=0.4032) 5SDCM, 3SDCM on request
- 4000K: CIE(x=0.3818, y=0.3796) 5SDCM, 3SDCM on request
- 5000K: CIE(x=0.3446, y=0.3551) 5SDCM, 3SDCM on request

Performance

- Rated luminous flux range: from 30 000 to 47 000lm
- Rated luminaire efficacy: From 107 up to 159lm/W (140-156lm/W @740)
- Rated median useful life and the associated rated LM factor: L90B50 > 350.000 hours
- Rated useful life and the associated rated LM factor: L90B10 > 343.000 hours
- Rated abrupt failure value: < 10% at 100.000 hours
- Rated ambient temperature (tq) related to performance for a luminaire: 25°C
- Photometric code: 722/559, 727/559, 730/559, 740/559, 750/559, 827/559, 830/559, 840/559, 850/559
- Lumen maintenance code: 9
- Definitions and tolerances according to IEC62722-2-1:2014
- * Lifetime calculated for maximum lumen value

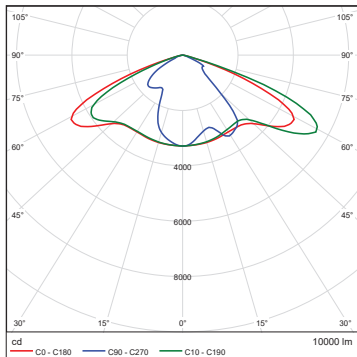
Standards and regulation

CE, Directive 2014/30/EU, 2014/35/EU, 2019/2020/EU, 2011/65/EC, EN60598-1, EN60598-2-3, EN 62471, EN 55015, EN61000-3-2, EN61000-3-3, EN 62493, EN 61547

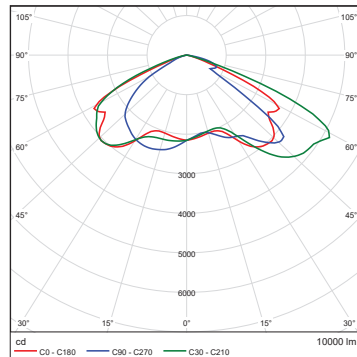
Other options available

- Extra surge protection device (10kV/5kA)
- NEMA socket with shorting cap
- Toolless removable geartray
- Fuse
- Delux version

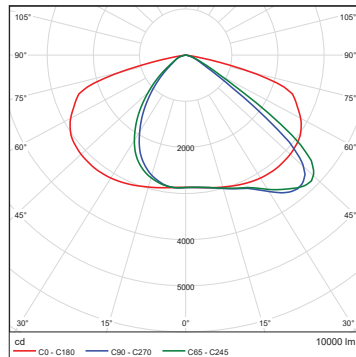
Typical photometric features



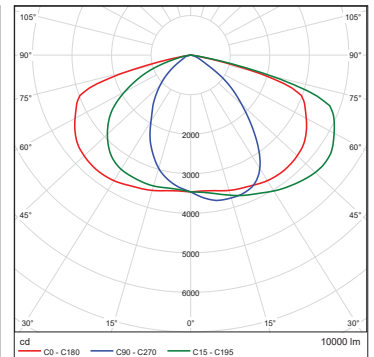
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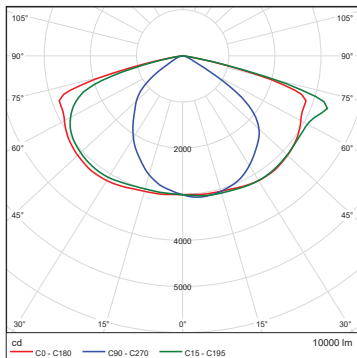
BBB



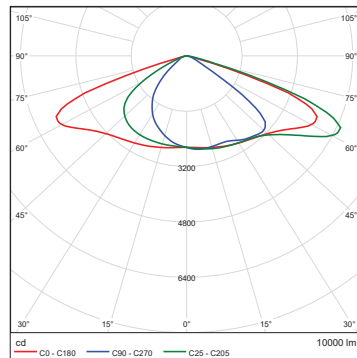
CCC



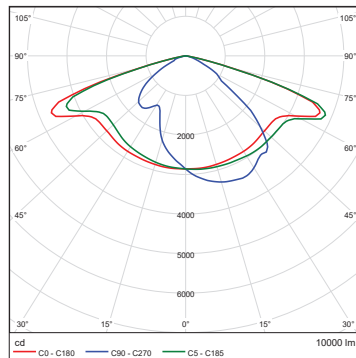
DDD



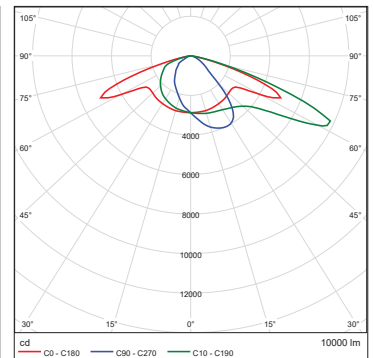
EEE



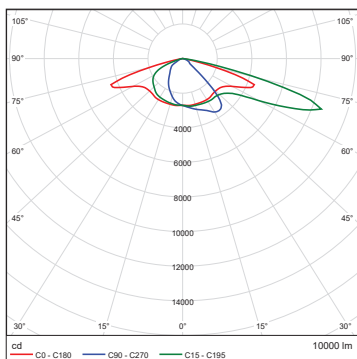
FFF



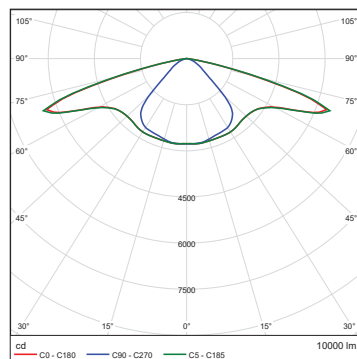
GGG



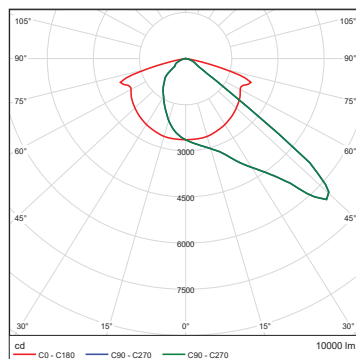
JJJ



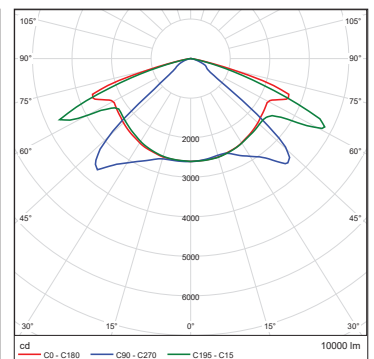
KKK



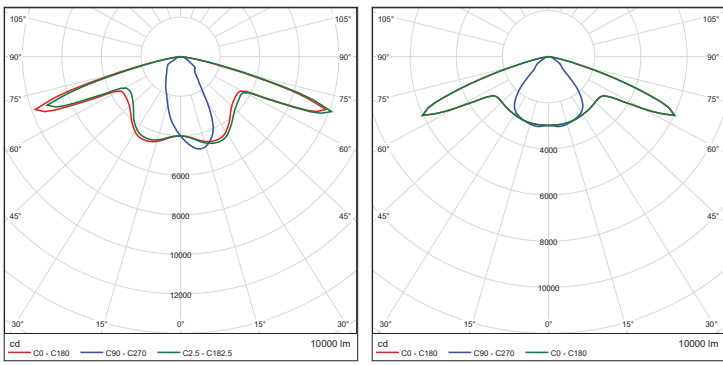
LLL



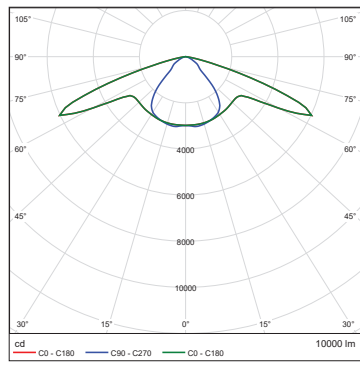
MMM



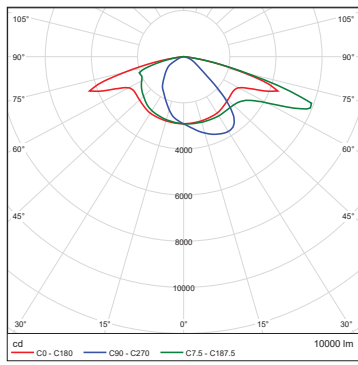
NNN



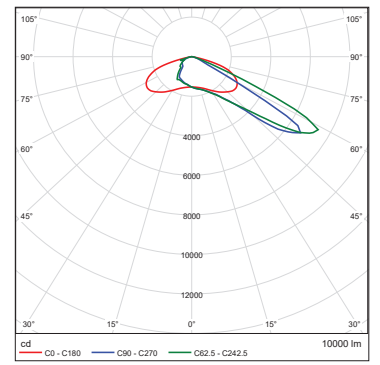
OOO



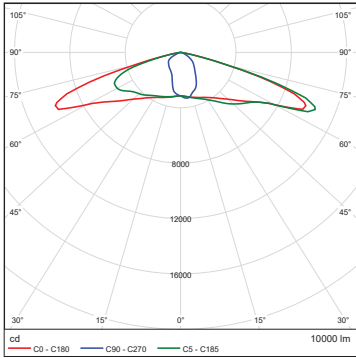
PPP



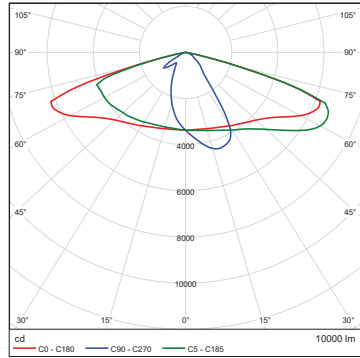
QQQ



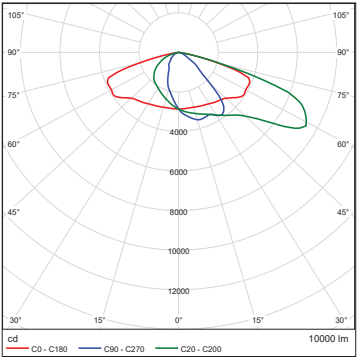
SSS



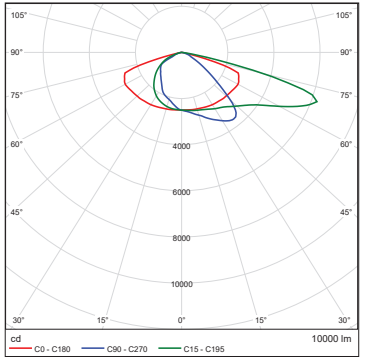
UUU



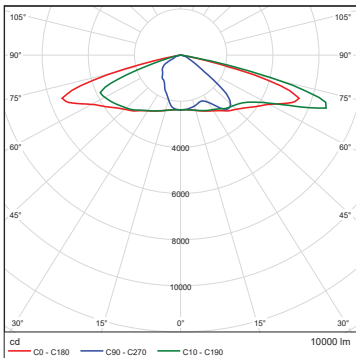
VVV



WWW



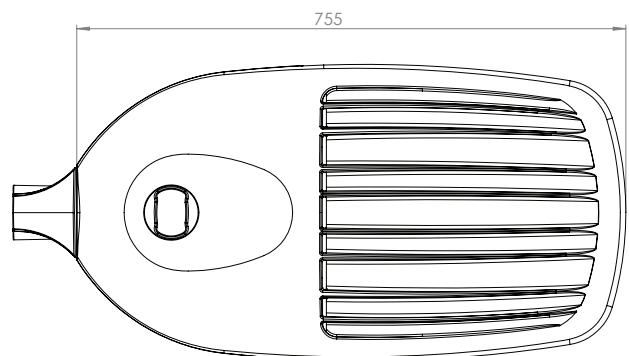
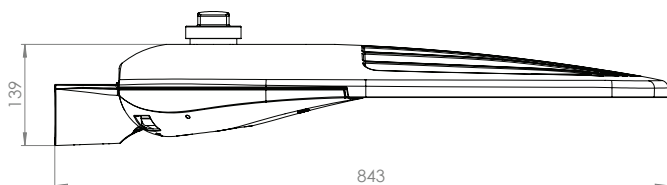
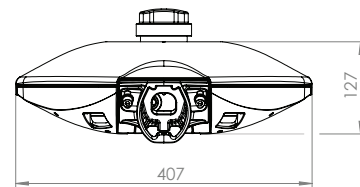
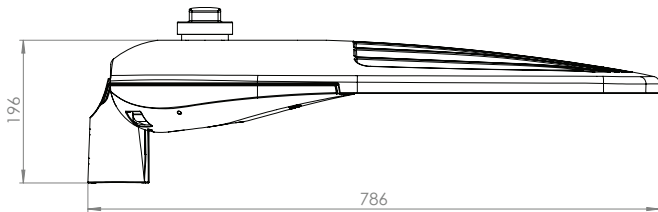
XXX



YYY

Remaining valid photometric distributions can be found in the online E-catalogue

Dimensions (mm)



Order logic

Name	Gen.	Nominal lumen (lm) ^[1]	Optics ^[2]	CCT (K) ^[3]	Option list ^[4]	Accessories	Controls	IEC Protection Classes ^[6]	Supply cord	Mounting	Color ^[8]
INL	2	30000 - 47000	AAA BBB CCC DDD EEE FFF GGG JJJ KKK LLL MMM NNN OOO PPP SSS QQQ UUU VVV WWW XXX YYY xxx	722 - 2200K 70 CRI 727 - 2700K 70 CRI 730 - 3000K 70 CRI 740 - 4000K 70 CRI 750 - 5000K 70 CRI 827 - 2700K 80 CRI 830 - 3000K 80 CRI 840 - 4000K 80 CRI 850 - 5000K 80 CRI	ST - Standard NE - NEMA DS - Deluxe Standard DN - Deluxe NEMA	NO - No Accessory FU - Fuse SP - Enhanced surge protection FS - Fuse + extra surge protection	N - No control A - 1-10V Analog D - DALI external Yx - Autonomous Dimming ^[5] NLx - Constant Light ^[5] ALx - 1-10V+CLO ^[5] DLx - DALI+CLO ^[5] YLx - Autonomous Dimming+CLO ^[5]	C1 - Class I C2 - Class II	N - No precabbling Pxx - Supply cord ^[7]	U48 - Universal 30-48mm U60 - Universal 42-60mm U76 - Universal 60-76mm	R7021

Example: INL2-40000-CCC-740STNONC1NU60R7021

IP/IK rating : ST (Standard), DS (Deluxe Standard) are IP66 / IK09. NE (NEMA) and DN(Deluxe NEMA) types are IP66 / IK08.

^[1] **Nominal lumen**

SKU. Lumen output of the Luminaire can be programmed by the manufacturer in 500lm steps within the marked range

^[2] **Optics**

:xxx is an alphanumeric number which can contain letters A-Z and number 0-9. Examples: Z01...Z99 or 101-999

: All symmetric lens combinations are valid. Eg ABA, ACA, AAA. Non symmetric combinations are invalid Eg, ABC is not a valid combination.

^[3] **CCT (K)**

Maximum Nominal lumen (Class I) in case of:

722: 34000 lm, 727: 40000 lm, 730: 42500lm, 740: 47000lm, 750: 47000lm

827: 36000 lm, 830: 38000 lm, 840: 40000lm, 850: 40000lm

Maximum Nominal lumen (Class II) in case of:

722: 30000 lm, 727: 34000 lm, 730: 36000lm, 740: 40000lm, 750: 40000lm

827: 32000 lm, 830: 34000 lm, 840: 36000lm, 850: 36000lm

^[4] **Option list**

ST - Standard option. All accessory combinations are valid with this option.

NE - NEMA socket option. Only the fuse (FS) can be chosen from the accessory list for this option.

DS - Deluxe Standard option. This version comes with the décor cover . All accessory combinations are valid with this option.

DN - Deluxe NEMA socket option. This version comes with the décor cover. Only the fuse (FS) can be chosen from the accessory list for this option.

^[5] x can be up to 3 characters

^[6] **IEC Protection Classes**

Class II is not valid with Analog control

^[7] **Supply cord**

Maximum supply cord length is 15m

^[8] **Color**

Leave it blank if it is RAL7021. Other RAL colors available on request

Nominal lumens tables

CRI70, C1

2200K			2700K			3000K			4000K			5000K		
Lm	W	LPW	Lm	W	LPW	Lm	W	LPW	Lm	W	LPW	Lm	W	LPW
30000	276	109	30000	226	133	30000	221	136	30000	206	146	30000	206	146
32000	277	116	32000	239	134	32000	226	142	32000	221	145	32000	221	145
34000	307	111	34000	276	123	34000	258	132	34000	241	141	34000	241	141
36000	-	-	36000	277	130	36000	276	130	36000	239	151	36000	239	147
38000	-	-	38000	289	131	38000	268	142	38000	264	144	38000	264	144
40000	-	-	40000	307	130	40000	289	138	40000	276	145	40000	276	145
42500	-	-	42500	-	-	42500	307	138	42500	268	159	42500	268	159
45000	-	-	45000	-	-	45000	-	-	45000	289	156	45000	289	156
47000	-	-	47000	-	-	47000	-	-	47000	307	153	47000	307	153

CRI80, C1

30000	-	-	30000	264	114	30000	239	126	30000	241	124	30000	241	124
32000	-	-	32000	268	119	32000	264	121	32000	239	134	32000	239	134
34000	-	-	34000	289	118	34000	268	127	34000	264	129	34000	264	129
36000	-	-	36000	307	117	36000	277	130	36000	268	134	36000	268	134
38000	-	-	38000	-	-	38000	307	124	38000	289	131	38000	289	131
40000	-	-	40000	-	-	40000	-	-	40000	307	130	40000	307	130
42500	-	-	42500	-	-	42500	-	-	42500	-	-	42500	-	-
45000	-	-	45000	-	-	45000	-	-	45000	-	-	45000	-	-
47000	-	-	47000	-	-	47000	-	-	47000	-	-	47000	-	-

CRI70, C2

30000	276	109	30000	230	130	30000	238	126	30000	197	152	30000	197	152
32000	-	-	32000	243	132	32000	230	139	32000	214	150	32000	214	150
34000	-	-	34000	276	123	34000	243	140	34000	238	143	34000	238	143
36000	-	-	36000	-	-	36000	276	130	36000	243	148	36000	243	148
38000	-	-	38000	-	-	38000	-	-	38000	263	144	38000	263	144
40000	-	-	40000	-	-	40000	-	-	40000	276	145	40000	276	145
42500	-	-	42500	-	-	42500	-	-	42500	-	-	42500	-	-
45000	-	-	45000	-	-	45000	-	-	45000	-	-	45000	-	-
47000	-	-	47000	-	-	47000	-	-	47000	-	-	47000	-	-

CRI80, C2

-	-	-	30000	263	114	30000	243	123	30000	223	135	30000	223	135
-	-	-	32000	276	116	32000	263	122	32000	243	132	32000	243	132
-	-	-	34000	-	-	34000	276	123	34000	263	129	34000	263	129
-	-	-	36000	-	-	36000	-	-	36000	276	130	36000	276	130
-	-	-	38000	-	-	38000	-	-	38000	-	-	38000	-	-
-	-	-	40000	-	-	40000	-	-	40000	-	-	40000	-	-
-	-	-	42500	-	-	42500	-	-	42500	-	-	42500	-	-
-	-	-	45000	-	-	45000	-	-	45000	-	-	45000	-	-

