

# InLumino

## size M



## 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



Pedestrian street

## Driver features

- Electronic, dimmable driver
- Controls: Dali, DynaDim, CLO
- ThermalGuard

## 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  
Driver immunity: 10kV/5kA  
Rated input power: 92-187W

## Installation and maintenance

Mounting options:

- Side mounting coupler for 30-60mm diameters and -15°, -10°, -5°, 0° tilt options
- Post top mounting coupler for 30-60mm diameters and 15°, 10°, 5°, 0° tilt options
- Weight: 12.5 kg
- Recommended mounting height: 8-18 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

49 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, 5000K  
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
- 5000K: CIE(x= 0.34, y= 0.35) 5SDCM

## Performance

- Rated luminous flux range: 14000-26000lm
- Rated luminaire efficacy: Up to 152lm/W at 4000K
- Rated median useful life and the associated rated LM factor: L80B50 > 305.000 hours
- Rated useful life and the associated rated LM factor: L80B10 > 300.000 hours
- Rated median useful life and the associated rated LM factor: L90B50 > 130.000 hours
- Rated useful life and the associated rated LM factor: L90B10 > 128.000 hours
- Rated abrupt failure value:
- Photometric code: 730/559, 740/559, 750/559
- Lumen maintenance code: 9
- Rated ambient temperature (tq) related to performance for a luminaire: 25°C

\*Definitions and tolerances according to IEC62722-2-1:2014

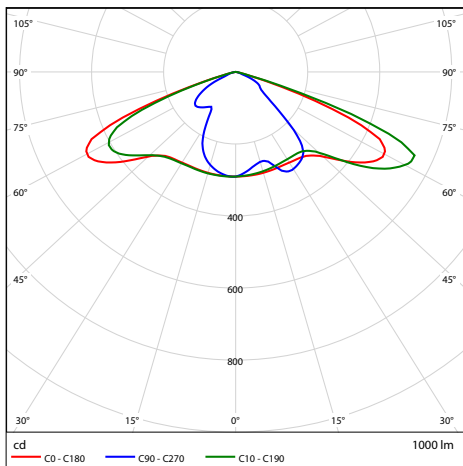
## Standards and regulation

CE, Directive 2014/30/EU, 2014/35/EU, 2009/125/EC, 1194/2012/EU, 2011/65/EC, EN 60598, EN 62471, EN 55015, EN 61000, EN 62493, EN 61547, IEC 62031

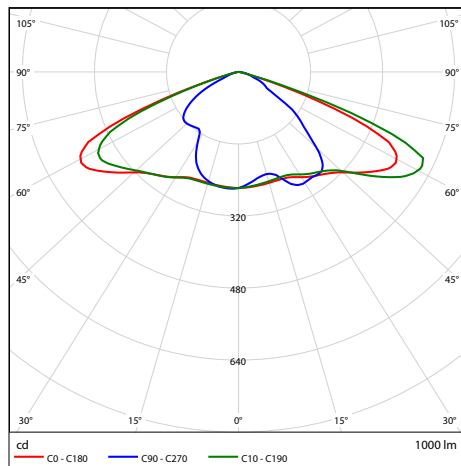
## Other options available

- Extra surge protection device (10kV)
- NEMA socket with shorting cap
- Toolless removable geartray
- Fuse
- Eco version

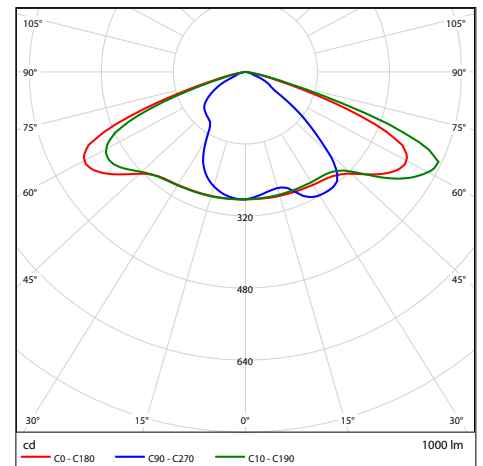
## Typical photometric features



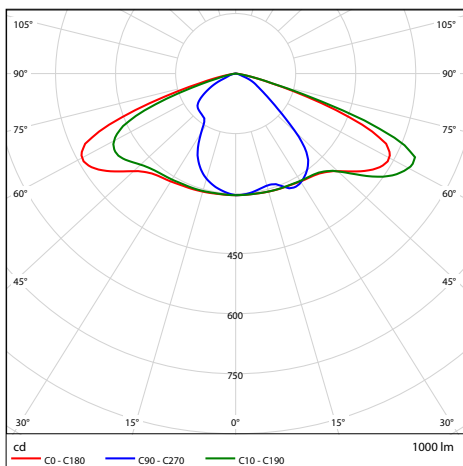
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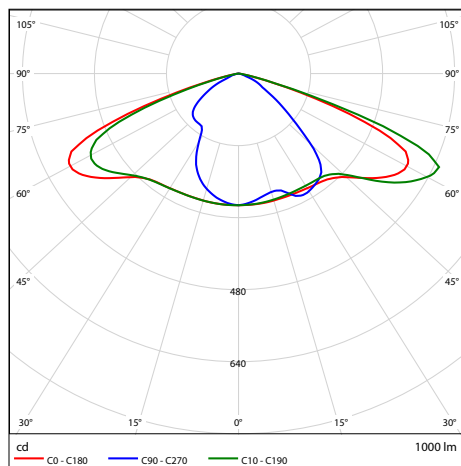
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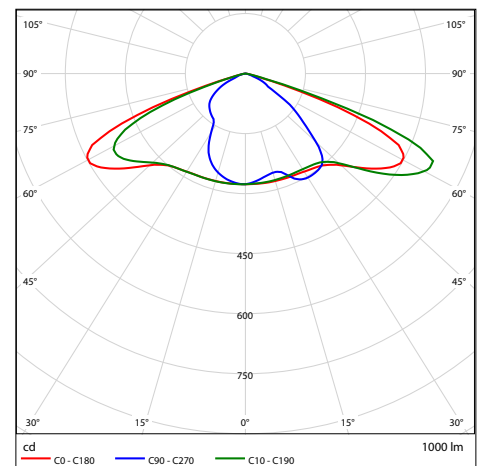
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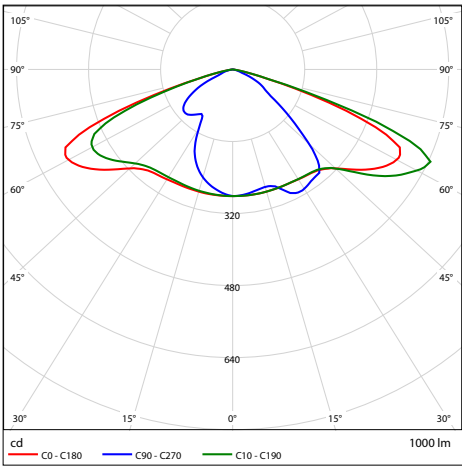
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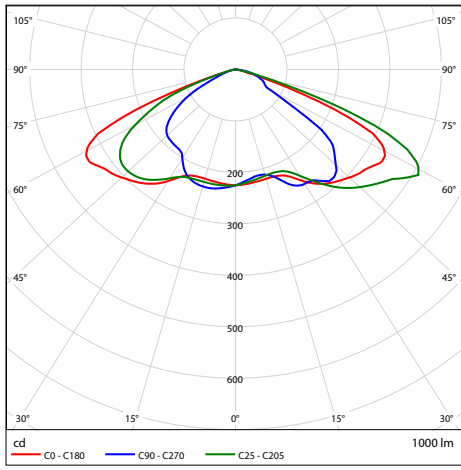
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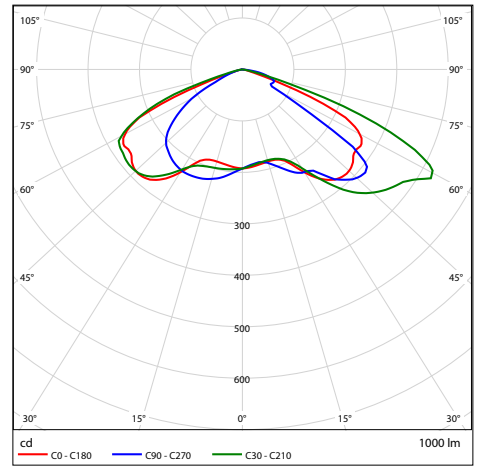
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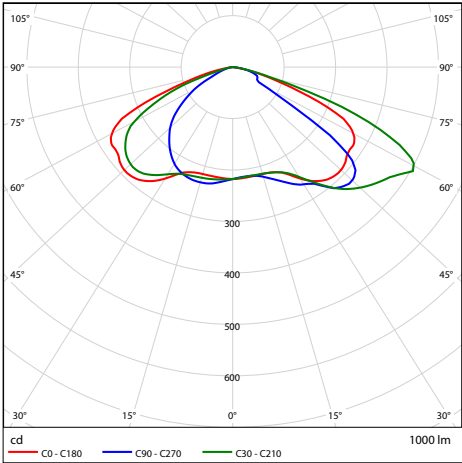
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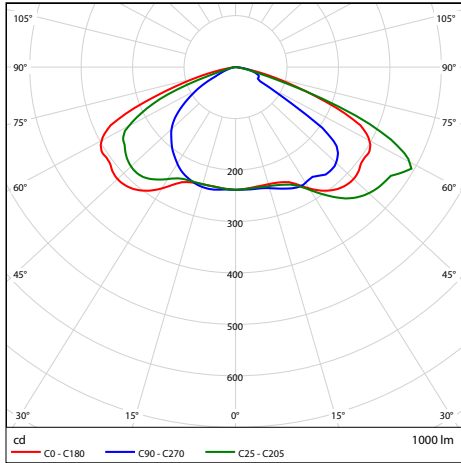
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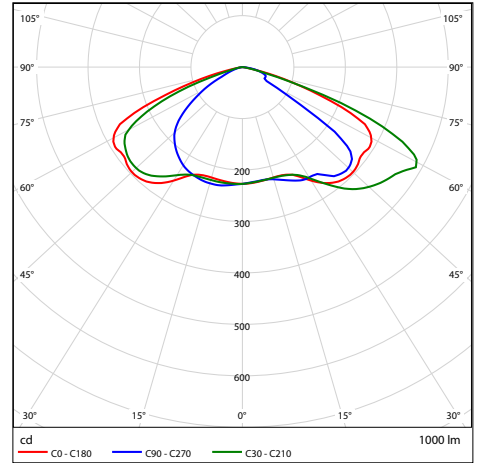
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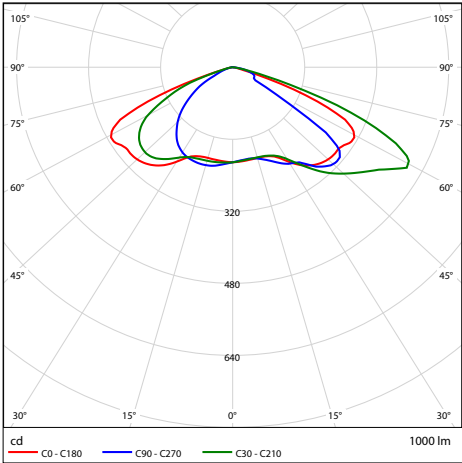
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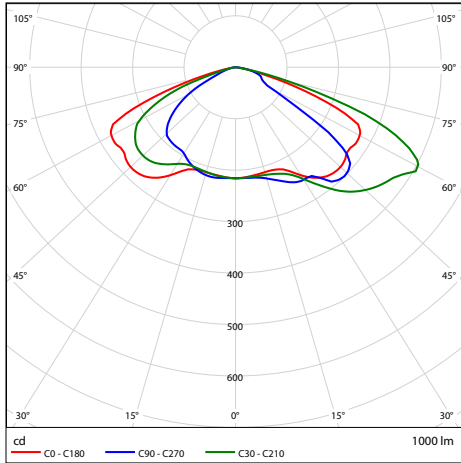
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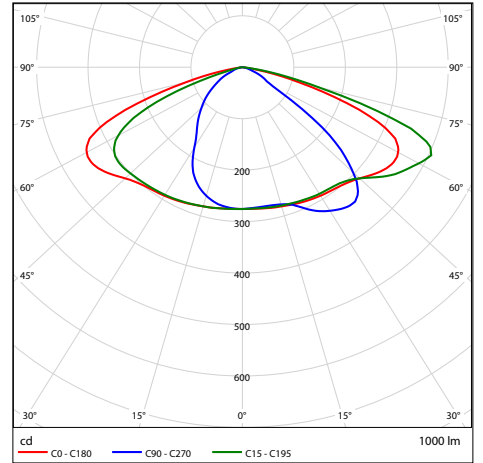
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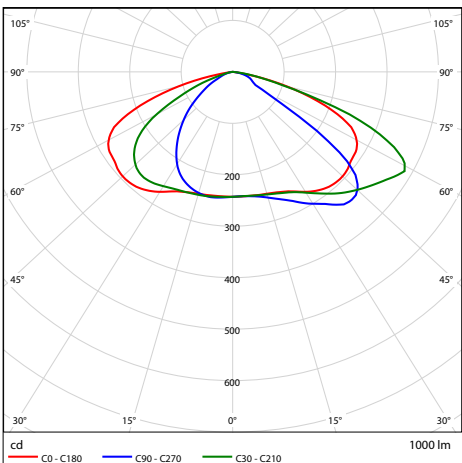
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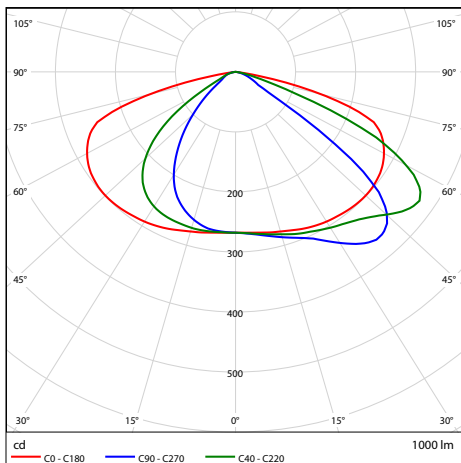
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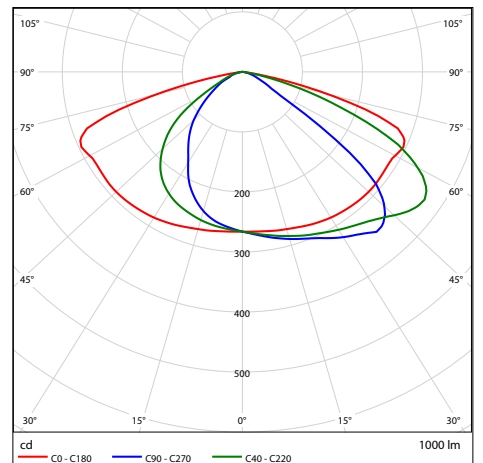
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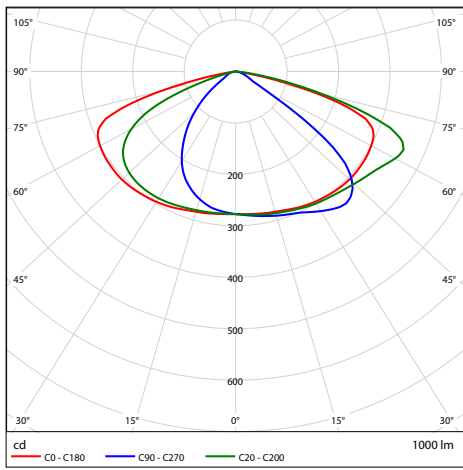
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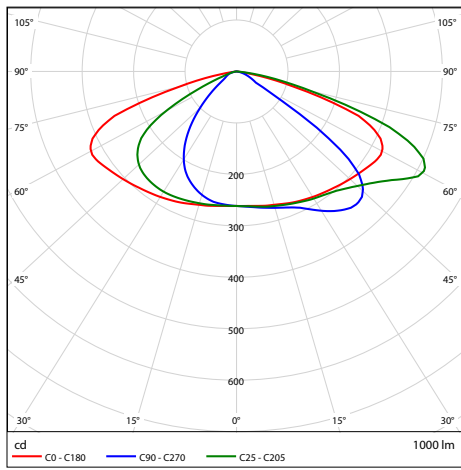
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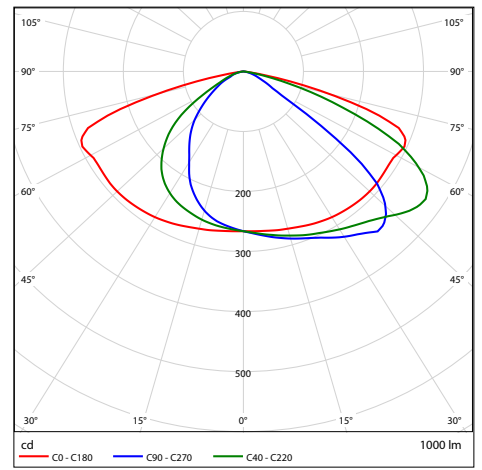
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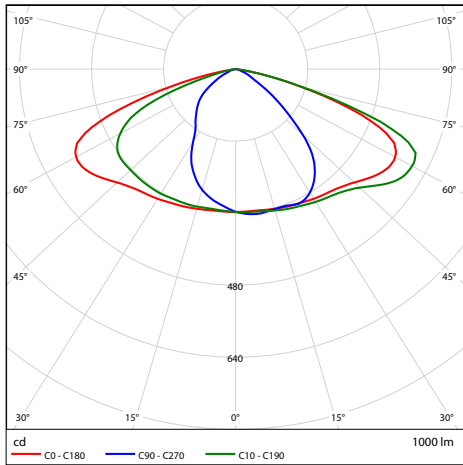
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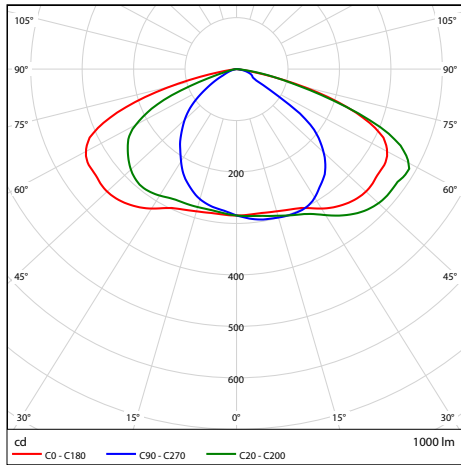
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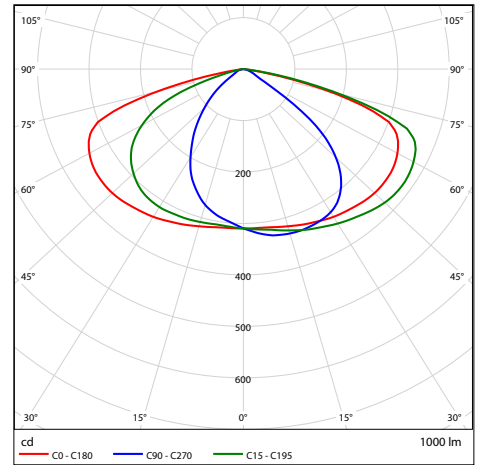
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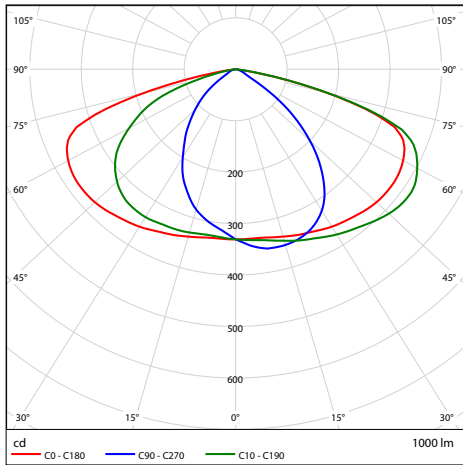
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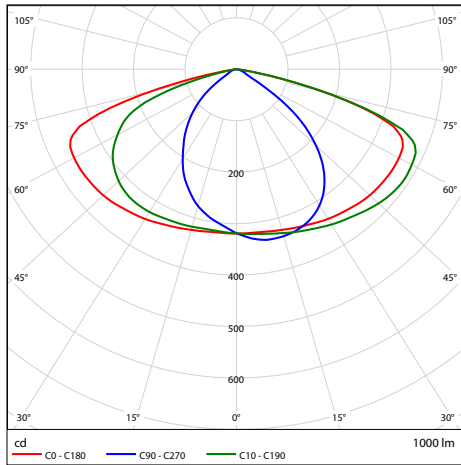
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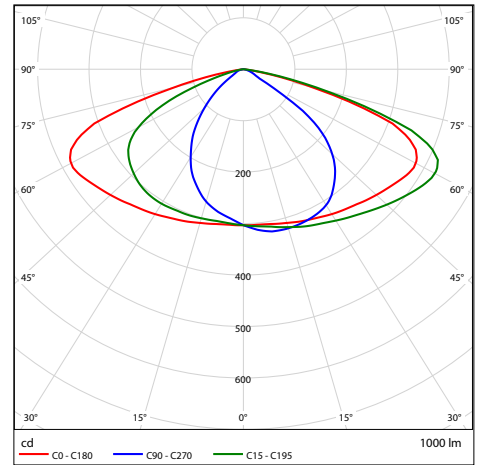
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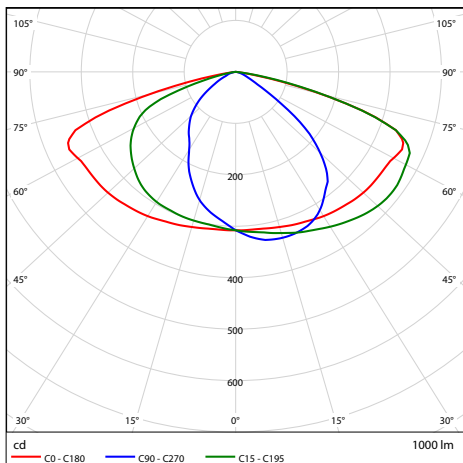
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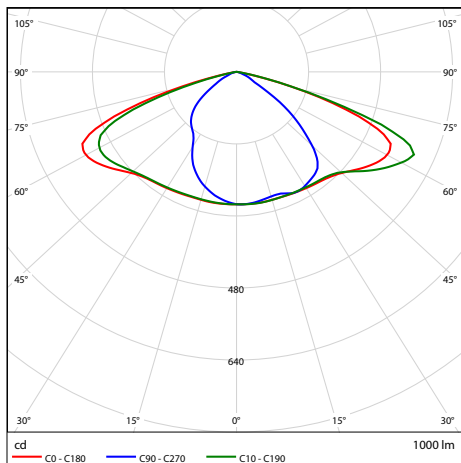
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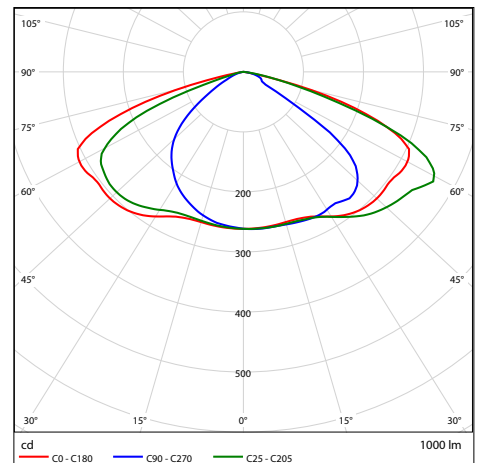
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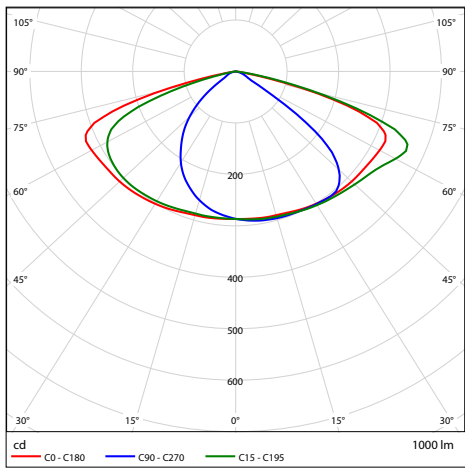
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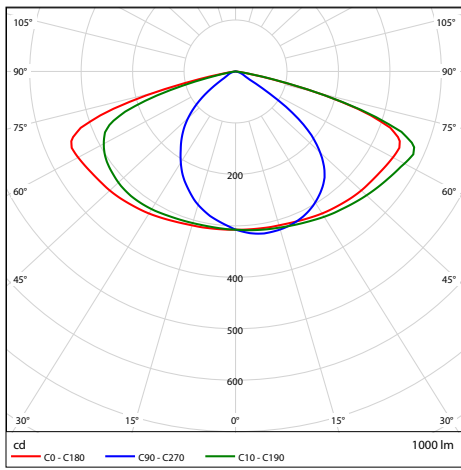
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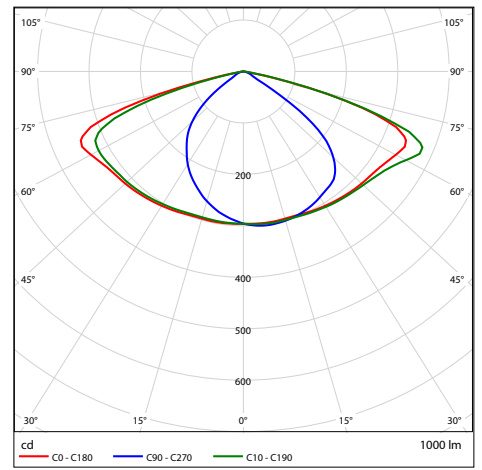
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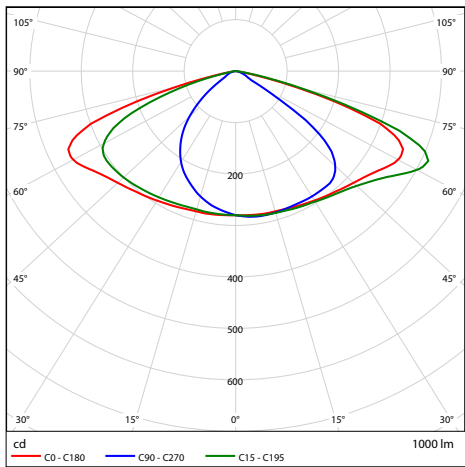
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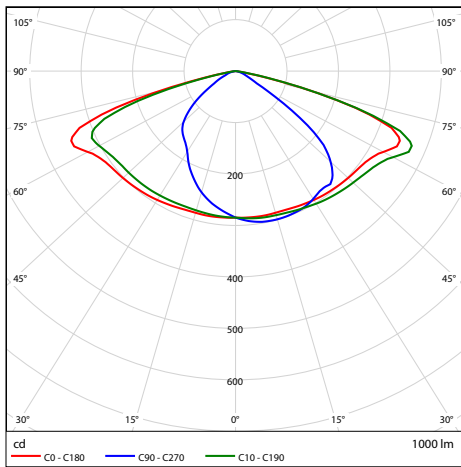
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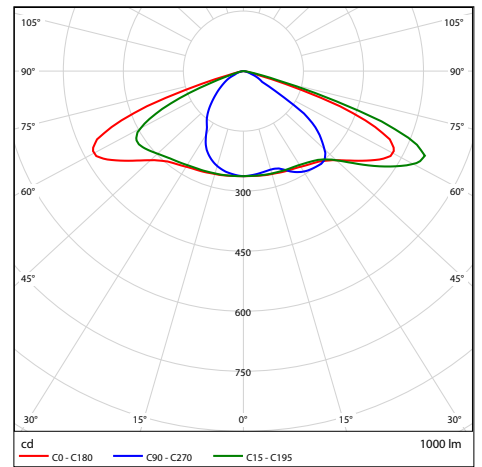
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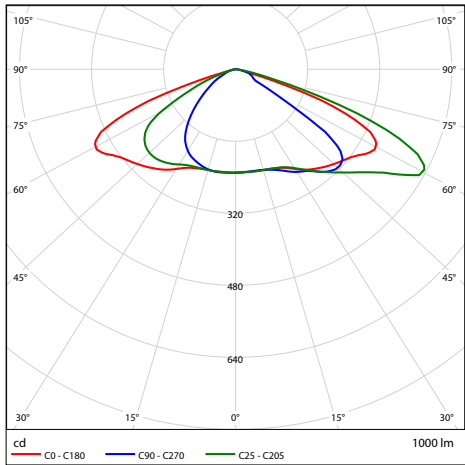
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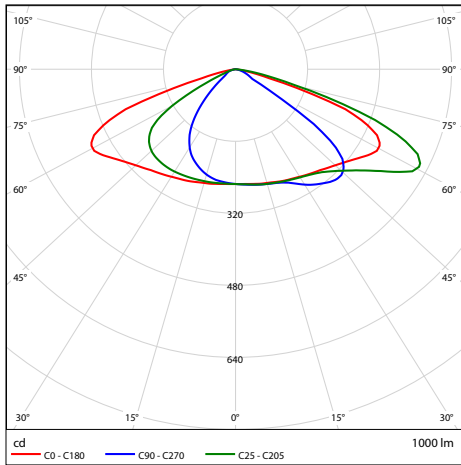
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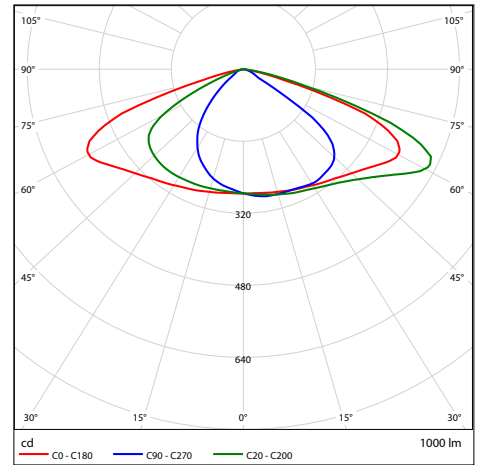
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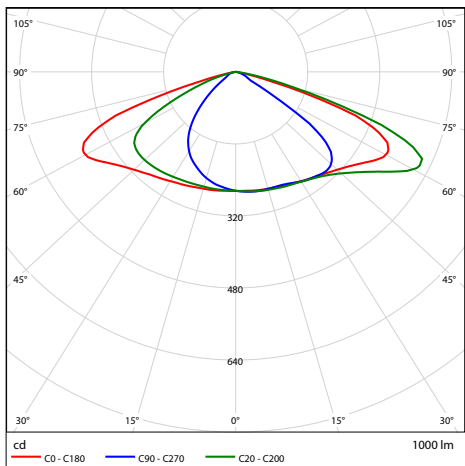
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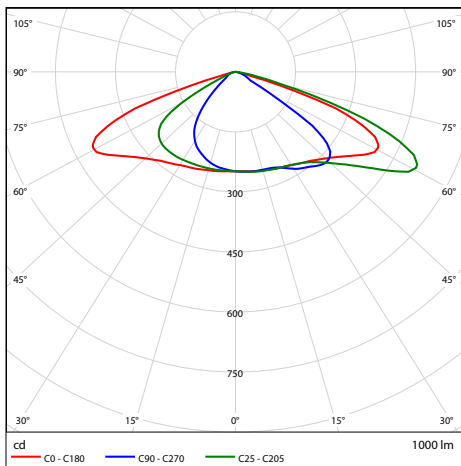
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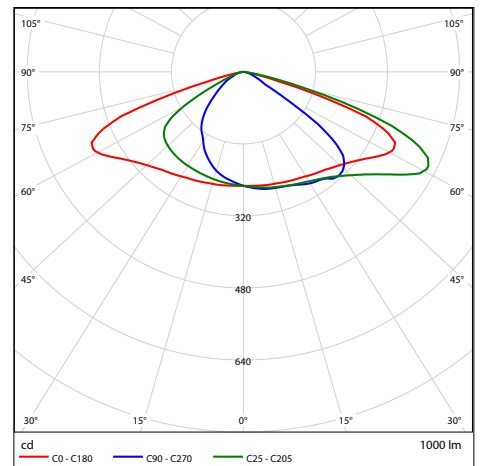
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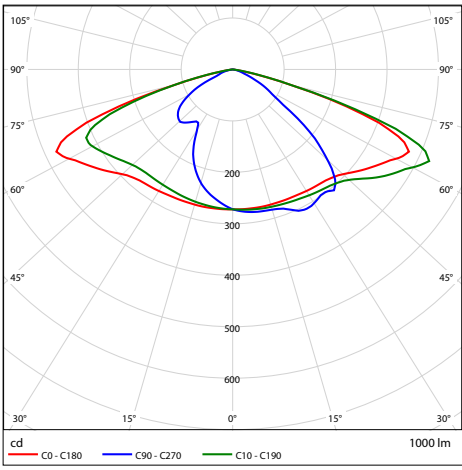
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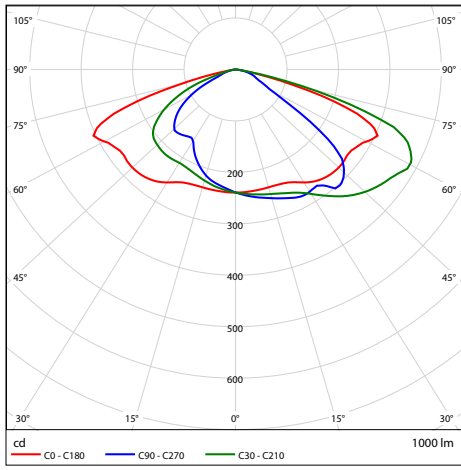
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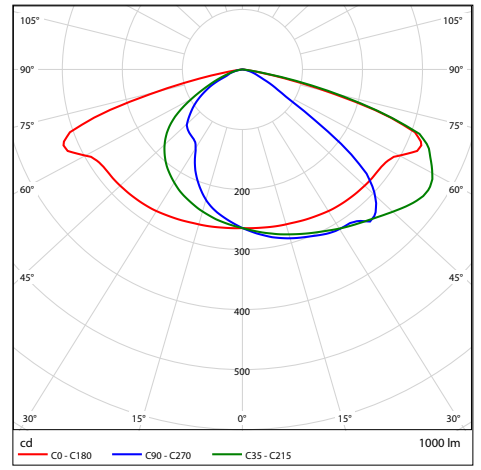
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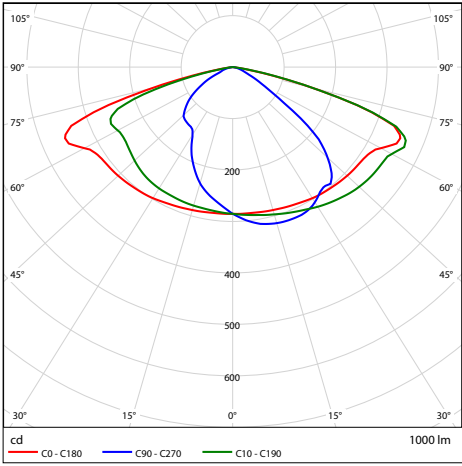
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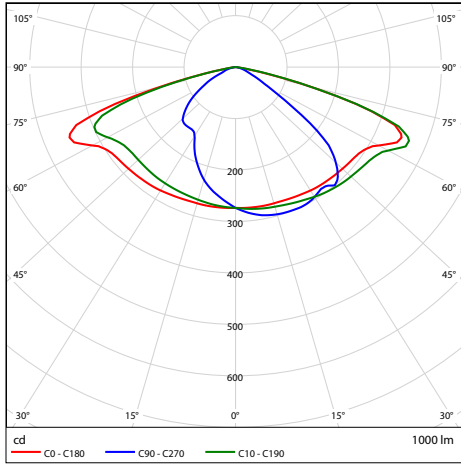
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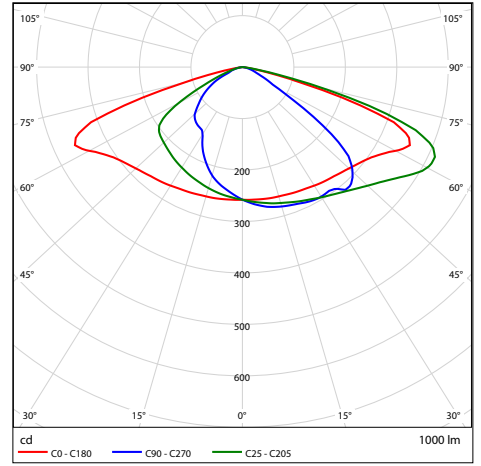
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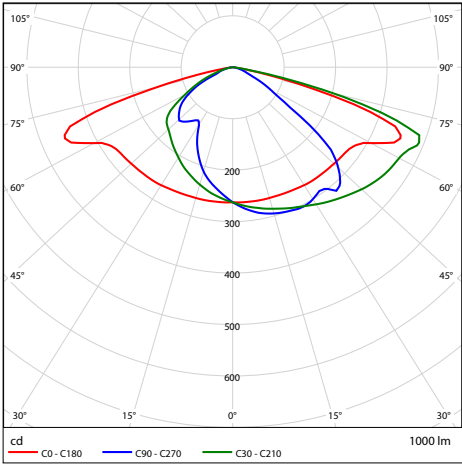
GDG



GEG

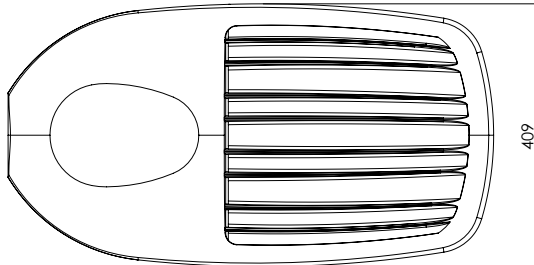
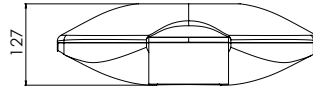
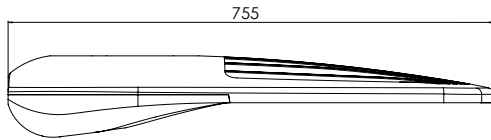


GFG



GGG

## Dimensions (mm)



## Order logic

Name	Gen.	Nominal Lumen (lm)	Optics	CCT (K)	Option list	Accessories	Control	IEC Protection Classes	Precabbling	Mounting	Color
INM	1	14000	AAA	730 -	S <sup>[1]</sup> N <sup>[2]</sup> E <sup>[3]</sup>	NO - No Accessory	N - No control	C1 - Class I	NP - No precabbling  PC - Precabbling with XX me- ters	48 - Universal 30-48mm  60 - Universal 42-60mm	R7021 Rxxxx*
		16000	BBB	3000K 70 CRI		FU - Fuse	D - DALI external				
		18000	CCC	740 -		SP - Extra surge protection	Yxx - Dynadim*				
		20000	DDD	4000K 70 CRI		FS - Fuse + extra surge protection	NLxx - No control+ CLO*				
		22000	EEE	750 -			DLxx - DALI+CLO*				
		24000	FFF	5000K 70 CRI			YLxx - Dynadim+ CLO*				
		26000	GGG								

**Example:** INM1-22000CCC740-SSPD-C1PC60

\* 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 or FS from accessories

<sup>[1]</sup> Standard option. This version comes with the toolless opening feature and the toollessly replaceable geartray.

All accessory combinations are valid with this option.

<sup>[2]</sup> NEMA socket option. This version comes with the toolless opening feature and the toollessly replaceable geartray and an extra surge protector to protect your smart devices. Only the fuse can be chosen from the accessory list for this option.

<sup>[3]</sup> Eco version. This version comes with a precable and can not be opened. Parts are non-user replaceable.

All accessory combinations are invalid for this option.