

# Nobila



## Product information

Introducing Tungsram's latest LED decorative fixture, the Nobila, which has the advantage of aesthetic outdoor luminaires with great performance. Designed to replace 35-100 W HID and 24-36 W CFL fixtures, the nobila is a great LED solution for roads, where heritage style is needed.

## Application areas



Pedestrian street



Car park



Street & residential road lighting

## Driver features

- Electronic, dimmable driver: Dali, CLO and dynadim from 20-90W, D4i driver 20-30W
- Minimum dimming level 5,5 W

## Structures and materials

- Housing material: die-cast aluminium body, corrosion resistant screws
- Color: RAL9005 or any RAL color
- Optic material: coated polycarbonate
- Optical cover: UV stabilized polycarbonate
- Gear Tray material: galvanized steel

## Performance

- Rated luminous flux range: from from 2700 to 10600lm at 4000K
- Rated luminaire efficacy: Up to 135lm/W at 4000K
- Photometric code: 727/559, 730/559, 740/559
- Rated median useful life and the associated rated LM factor: L80B50 > 100.000 hours
- Rated useful life and the associated rated LM factor: L90B10 > 62.000 hours
- Rated abrupt failure <10% (100.000 hours)
- 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

## Installation and maintenance

### Mounting options:

- Post top coupler  $\varnothing$ 48mm-76mm
- Recommended mounting height: 4-15m
- Weight: 6,5 kg
- Only two hand-tools required for installing the fixture
- Storage temperature up to 85°C.
- Ambient temperature from -40°C to +50°C (max. temperature is 35°C from 61W to 80W; 25°C from 81W to 90W)

## Optics

Lens layout (4 lenses in every scenario):

- A: asymmetric
- S: symmetric
- C: circular

Available photometric distributions:

- C: optimized for high traffic ME class roads
- E: optimized for narrow S class roads
- F: optimized for wide S class roads

- AC - asymmetric C
- AE - asymmetric E
- AF - asymmetric F
- AH - asymmetric H
- SC - symmetric C
- SE - symmetric E
- SF - symmetric F
- CC - circular C
- CE - circular E
- CF - circular F

Rated colour rendering index: >70

Rated correlated colour temperatures: 2700K, 3000K, 4000K  
S/P rating for: 2700K - 1.09, 3000K - 1.33, 4000K - 1.56  
ULOR: 0

Rated initial chromaticity co-ordinate values:

2700K - CIE(x=0,4578; y=0,4101) 5SDCM  
3000K - CIE(x=0.43, y=0.403) 5SDCM  
4000K - CIE(x= 0.38, y= 0.38) 5SDCM

## Electrical

Input voltage and frequency: 220-240V, 50-60Hz  
Class I, Class II  
Surge protection (driver immunity): 10kV  
Rated input power: 21W to 94W

## Standards and regulation

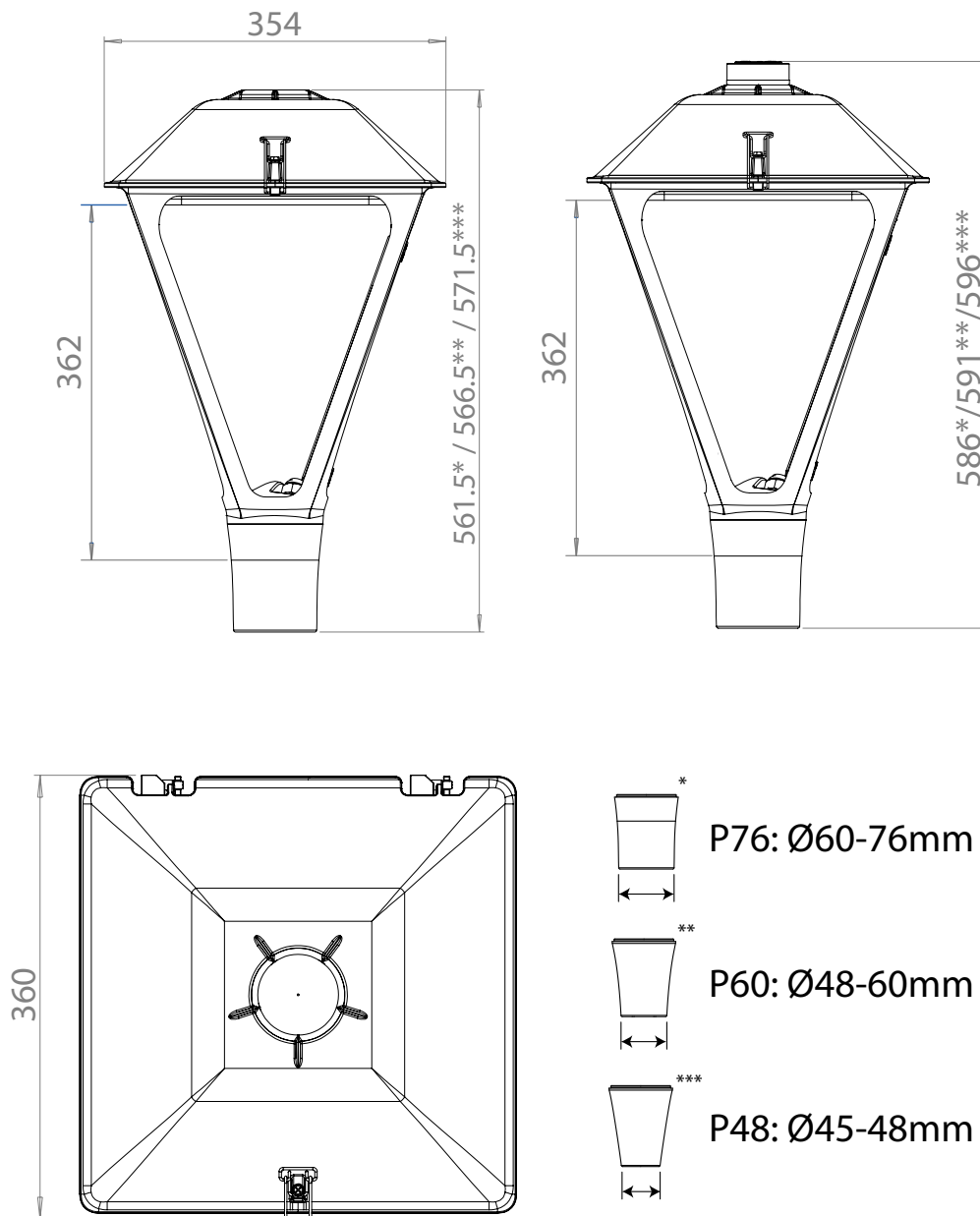
CE, ENEC\* Directive 2014/30/EU, 2014/35/EU, 2009/125/EC, 2019/2020/EU, 2011/65/EU, EN 60598, EN 62471, EN 55015, EN 61000, EN 62493, EN 61547.

\*(excluding 2700K versions)

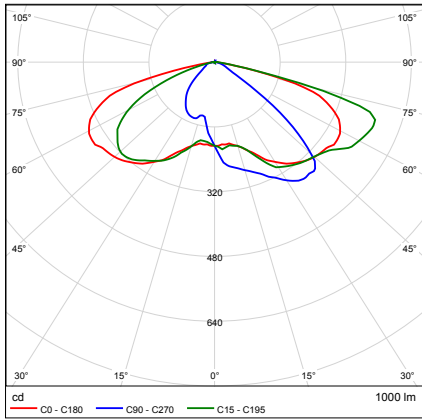
## Other options available

NEMA socket, Class II, precabbling, Extra Surge Protection (10kV/5kA)

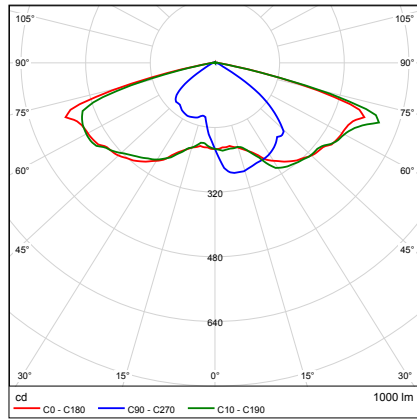
## Dimension (mm)



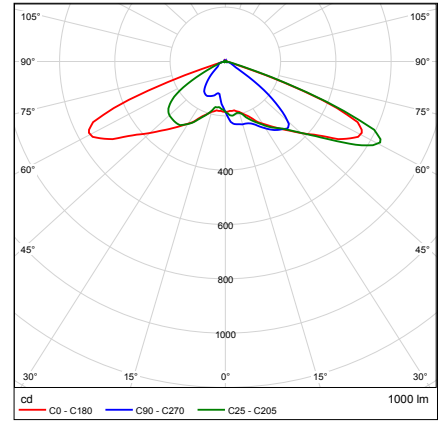
# Typical photometrical features



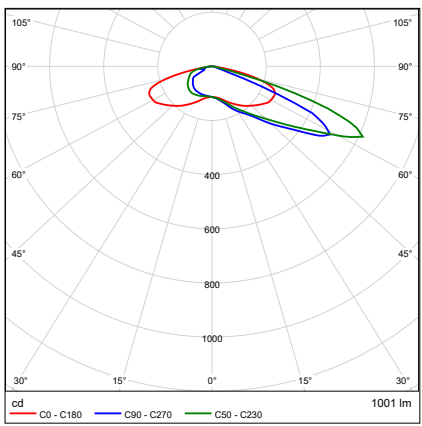
AC-asymmetric C



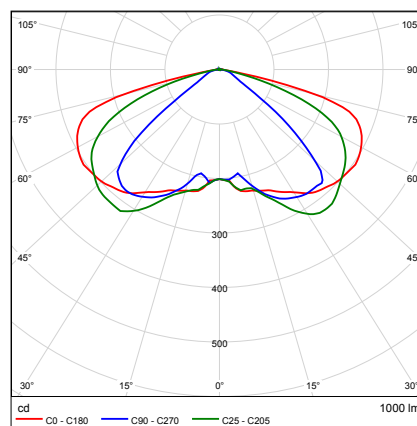
AE-asymmetric E



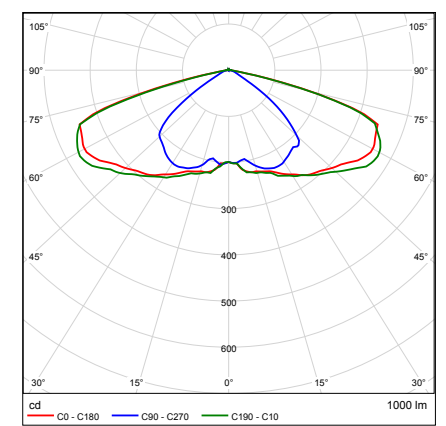
AF-asymmetric F



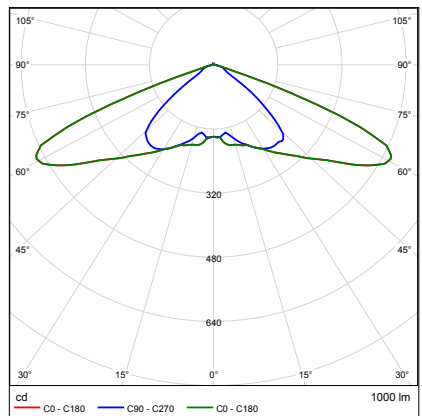
AH-symmetric H



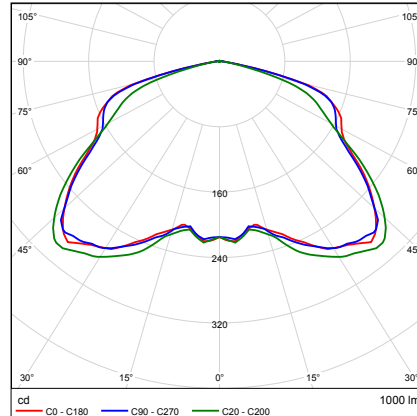
SC-symmetric C



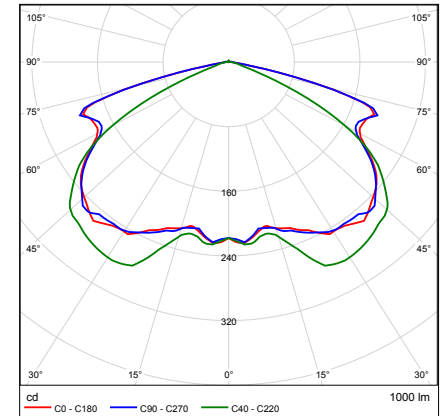
SE-symmetric E



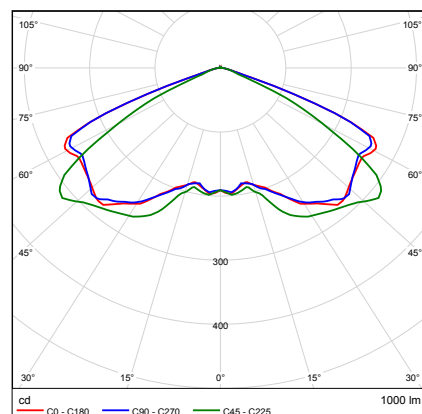
SF-symmetric F



CC-circular C



CE-circular E



CF-circular F

## Order logic

Name	Gen.	Optics	Power (W) <sup>[5]</sup>	CCT(K)	Option	Accessories	IEC Protection Classes	Precabbling <sup>[1]</sup>	Mounting	Color <sup>[4]</sup>
NBL - Nobila	1	CC CE CF AC AE AF AH SC SE SF	20 - 90	2.7 - 2700K  3 - 3000K  4 - 4000K	N - No control D - DALI Yx - DynaDIM <sup>[2]</sup> NL - No control + CLO DL - DALI + CLO <sup>[2]</sup> YLx - DynaDIM + CLO <sup>[2]</sup>	ST - Standard LS - NEMA socket SP - Enhanced Surge Protection LP - NEMA socket + SP	1 - Class I 2 - Class II	Px - Pre-cabled with x meters	P48 - Ø45-48mm  P60 - Ø48-60mm  P76 - Ø60-76mm	9005  XXXX

**Example:** NBL/1/CC/40/3/N/ST/1/P1/P60

Exceptions:

<sup>[1]</sup> Min. 1 meter and Max. 9 meter

<sup>[2]</sup> x can be up to 3 characters

<sup>[3]</sup> NEMA socket (LS or LP) and SWE is not valid with Class II IEC protection

<sup>[4]</sup> Leave it blank if it is R9005

<sup>[5]</sup> Power consumption of luminaire can be programmed by the manufacturer in 1W steps within the range (20-90). It can differ from therated power marked on the data label. Ta values depends on performance: 20-60W Ta=50°C, 61-80W Ta=35°C, 81-90W Ta=25°C.

## Rated lumens table

2700K			3000K			4000K		
Nominal Power	Lumen	LPW	Nominal Power	Lumen	LPW	Nominal Power	Lumen	LPW
20	2550	128	20	2700	135	20	2750	138
30	3850	128	30	4060	135	30	4130	138
40	5070	127	40	5350	134	40	5450	136
50	6180	124	50	6520	130	50	6640	133
60	7280	121	60	7680	128	60	7820	130
70	7850	112	70	8280	118	70	8430	120
80	8820	110	80	9310	116	80	9470	118
90	9690	108	90	10230	114	90	10410	116