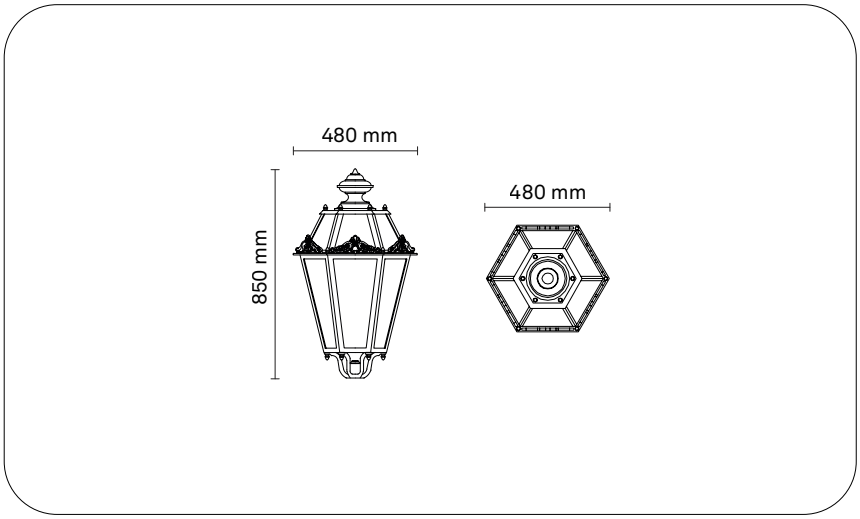
NERI

| | | | |
|---|---|---|---|
| Project location: | | Fixture type: | Qty: |
| Project name: | | Notes: | |

## LIGHT 700 | LUMINAIRE | POST TOP ENTRY






CE IP43 IK06 Classe II

## ORDERING INFORMATION / GUIDE

Example**: LU70000-N-D28-740-L015-SG-V1-F27-M2-CN0**

| OPTIQUE | RA+K | LUMINOUS FLUX | SCREEN FINISH | POWER SUPPLY | DRIVER FUNCTION | ISO CLASS | FINISH |
|---|---|---|---|---|---|---|---|
| **D28** Type I - Center road | **730** Ra70 3000 K | **L015** 1500 lm | **SG** Frosted | **V1** 220V-240V | **F27** ON/OFF+CLO | **M2** Class II | **CN0** Grey [Neri] Textured |
| **D36** Type II - Asymmetric | **740** Ra70 4000 K | **L025** 2500 lm | | | **F02** 1-10V+CLO | | |
| **D22** Type III - B | | **L035** 3500 lm | | | **F06** DALI+CLO | | |
| **D25** Type III - C | | **L045** 4500 lm | | | **F10** D4i+ZHAGA | | |
| **D37** Type III - Asymmetric | | **L060** 6000 lm | | | **F04** Ampdim+CLO | | |
| **D24** Type IV - Forward throw | | | | | **F14** NVL6H+CLO | | |
| **D38** Type IV - C | | | | | | | |
| **D30** Type V - Rotosymmetric | | | | | | | |

Generated code: **LU70000 - N** - _ _ _ - _ _ _ - _ _ _ _ - _ _ - _ _ - _ _ _ - _ _ - _ _ _

**ON REQUEST**
Non-standard variants and configurations available upon request. Please contact Neri for further information.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## LIGHT 700 | LUMINAIRE | POST TOP ENTRY

### SOURCE

High-power LED matrix.

**Energy-efficiency class:** C, D
**LED forward current:** 274-820 mA
**Power rating:** 11.7-55.7 W
**Nominal Flux:** 1500-6000 lm
**Nominal CCT (Colour temperature):** 3000 K, 4000 K
**Color Rendering Index (Ra):** 70
**Standard Deviation Colour Matching:** ≤5
**ANSI/IES TM-30:** Rf = 74-75 Rg = 93-95
**Rated lifetime:** L90B10 100000 h @ Tq = 25 °C

### LIGHTING CHARACTERISTICS

Modular 2x2 refractive lenses in PMMA.

**Optique:** Type I - Center road, Type II - Asymmetric, Type III - B, Type III - C, Type III - Asymmetric, Type IV - Forward throw, Type IV - C, Type V - Rotosymmetric
**Optical efficiency:** LOR = 100% ULOR = 14%
**LED quantity:** 16, 24
**Cutoff Angle:** Non Cutoff, Semi Cutoff C = 25, 90° γ = 52, 58°
**Luminous flux:** 1500-6000 lm
**Luminous efficacy:** 97-109 lm/W
**Maximum luminous intensity γ 90°:** ≤87.8 cd/klm
**Luminous intensity class:** G*U
**IPEA:** Road A+ / A, Urban A++ / A, Ped A+ / A, Park A+ / A, Art A++ / A4+
**BUG:** B=1-2, U=3-4, G=1-3
**Photobiological safety:** RG1 - Low risk

### ELECTRICAL CHARACTERISTICS

Compliant with standards EN 60598-1; EN 60598-2-3; EN 62031; EN 55015 EMC; EN 61547 EMC; EN 61000-3-2/3; IEC/TR 62778.

**Luminaire power:** 14.1-61.8 W
**Power supply:** 220V-240V~ 50/60Hz
**Power factor:** ≥0.99
**Insulation class:** Class II
**Control type - driver:** ON/OFF+CLO, 1-10V+CLO, DALI+CLO, D4i+ZHAGA, Ampdim+CLO, NVL6H+CLO
**Safe Flicker:** PstLM=<1 e SVM=<0,4 (IEC TR 61547-1 e IEC TR 63158)
**Ambient temperature:** -30 °C / +50 °C
**Driver included:** Yes
**Surge protection:** 10kV CM - 10kV DM

### MECHANICAL CHARACTERISTICS

Structure made of die-cast aluminium (UNI EN 1706) with an upper hexagonal tilting frame for access to the auxiliary and optical compartment, made of aluminium casting with six galvanized steel sheet panels and six decorative brass cast finials.
Hexagonal lower frame in cast aluminium with six-legged base featuring a Ø28 mm flange for mounting to the support and internal cable routing along one upright.
Removable wiring plate in galvanized steel, reflector plate in white PMMA, satin-finished lateral screens in PMMA, and clear tempered glass protecting the LEDs.
Stainless steel screws.

**Diameter:** 480 mm
**Height:** 850 mm
**Weight:** 12 kg
**Wind-exposed area:** 0.15 m²
**Protection degree:** IP43
**Mechanical resistance:** IK06
**Finish:** Grey [Neri] Textured

### INSTALLATION

Pole-top: flange with central hole Ø 28 mm for fastening to the support.

### WARNINGS

Luminaire designed for disposal/recycling at end-of-life.
Replaceable (LED only) light source by a professional.
Replaceable control gear by a professional.
Protection of surfaces: please refer to the specification on painting procedures of the materials.


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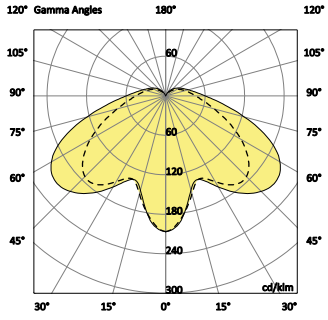
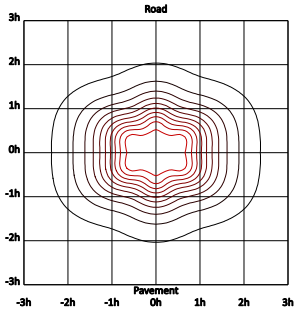
## LIGHT 700 | LUMINAIRE | POST TOP ENTRY

**Optic:** Type I - Center road

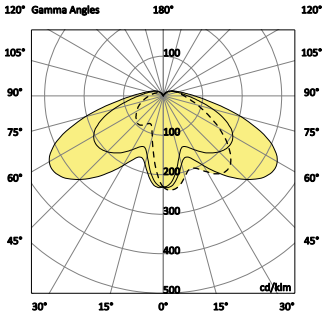
**Screen finish:** Frosted

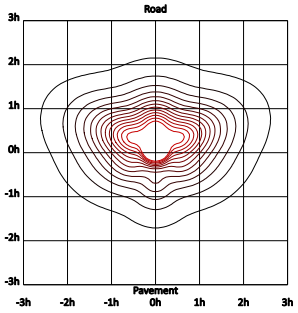



**Optic:** Type II - Asymmetric

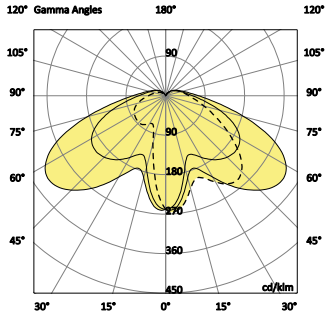
**Screen finish:** Frosted

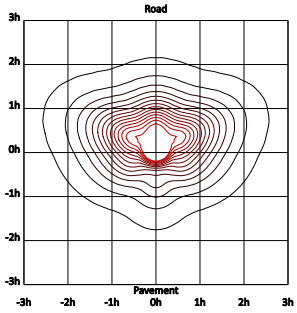



**Optic:** Type III - B

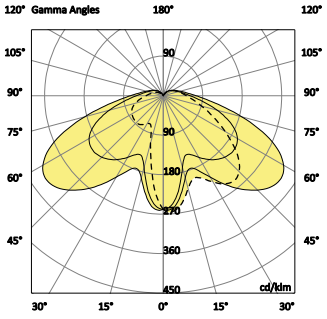
**Screen finish:** Frosted

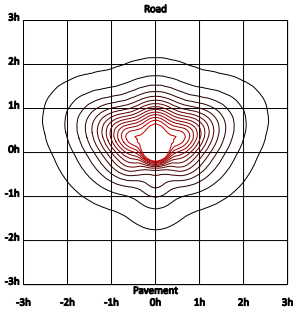



**Optic:** Type III - C

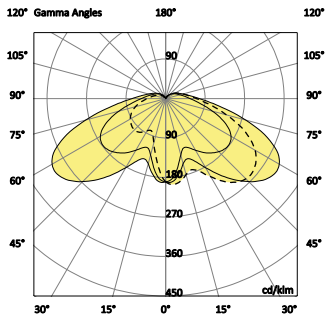
**Screen finish:** Frosted

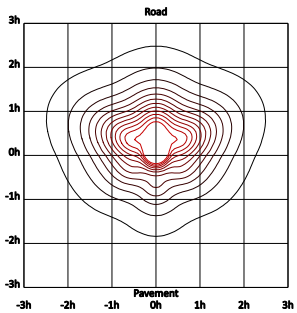



**Optic:** Type III - Asymmetric

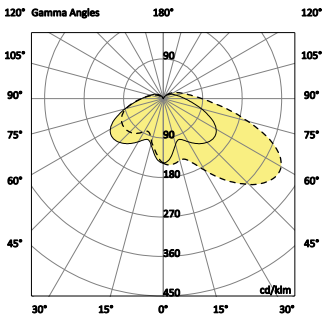
**Screen finish:** Frosted

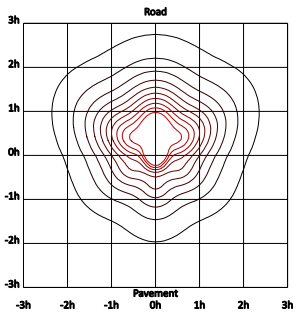



**Optic:** Type IV - Forward throw

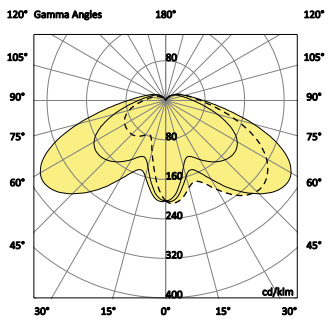
**Screen finish:** Frosted

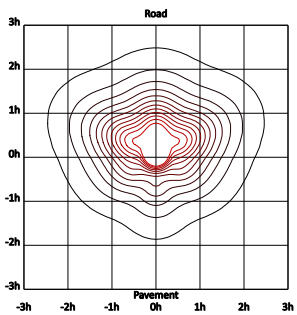



**Optic:** Type IV - C

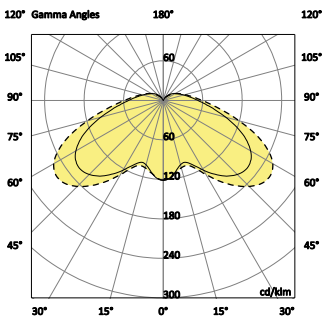
**Screen finish:** Frosted

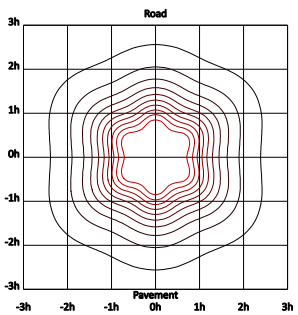



**Optic:** Type V - Rotosymmetric

**Screen finish:** Frosted





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## LIGHT 700 | LUMINAIRE | POST TOP ENTRY

### **Optic:** Type I - Center road

**Screen finish:** Frosted

| System | | | | | Source | | | IPEA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Luminous Flux** | **Nominal CCT** | **W** | **lm/W** | **n° led** | **mA** | **W** | **lm/W** | **Road** | **Urban** | **Ped** | **Park** | **Art** |
| 1500 lm | 3000 K | 14.7 | 102 | 16 | 286 | 12.3 | 122 | A+ | A+ | A | A | A3+ |
| 1500 lm | 4000 K | 14.1 | 106 | 16 | 274 | 11.7 | 128 | A+ | A++ | A+ | A+ | A4+ |
| 2500 lm | 3000 K | 25.3 | 99 | 16 | 490 | 21.5 | 116 | A | A+ | A | A | A3+ |
| 2500 lm | 4000 K | 24.3 | 103 | 16 | 468 | 20.5 | 122 | A+ | A+ | A | A | A3+ |
| 3500 lm | 3000 K | 33.7 | 104 | 24 | 456 | 29.9 | 117 | A+ | A+ | A | A | A3+ |
| 3500 lm | 4000 K | 32.2 | 109 | 24 | 434 | 28.5 | 123 | A+ | A++ | A+ | A+ | A4+ |
| 4500 lm | 3000 K | 45.5 | 99 | 24 | 598 | 39.8 | 113 | A | A+ | A | A | A3+ |
| 4500 lm | 4000 K | 43.4 | 104 | 24 | 570 | 37.8 | 119 | A+ | A+ | A | A | A3+ |
| 6000 lm | 3000 K | 61.8 | 97 | 24 | 820 | 55.7 | 108 | A | A | A | A | A++ |
| 6000 lm | 4000 K | 58.8 | 102 | 24 | 780 | 52.8 | 114 | A+ | A+ | A | A | A3+ |

### **Optic:** Type II - Asymmetric

**Screen finish:** Frosted

| System | | | | | Source | | | IPEA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Luminous Flux** | **Nominal CCT** | **W** | **lm/W** | **n° led** | **mA** | **W** | **lm/W** | **Road** | **Urban** | **Ped** | **Park** | **Art** |
| 1500 lm | 3000 K | 14.7 | 102 | 16 | 286 | 12.3 | 122 | A+ | A+ | A | A | A3+ |
| 1500 lm | 4000 K | 14.1 | 106 | 16 | 274 | 11.7 | 128 | A+ | A++ | A+ | A+ | A4+ |
| 2500 lm | 3000 K | 25.3 | 99 | 16 | 490 | 21.5 | 116 | A | A+ | A | A | A3+ |
| 2500 lm | 4000 K | 24.3 | 103 | 16 | 468 | 20.5 | 122 | A+ | A+ | A | A | A3+ |
| 3500 lm | 3000 K | 33.7 | 104 | 24 | 456 | 29.9 | 117 | A+ | A+ | A | A | A3+ |
| 3500 lm | 4000 K | 32.2 | 109 | 24 | 434 | 28.5 | 123 | A+ | A++ | A+ | A+ | A4+ |
| 4500 lm | 3000 K | 45.5 | 99 | 24 | 598 | 39.8 | 113 | A | A+ | A | A | A3+ |
| 4500 lm | 4000 K | 43.4 | 104 | 24 | 570 | 37.8 | 119 | A+ | A+ | A | A | A3+ |
| 6000 lm | 3000 K | 61.8 | 97 | 24 | 820 | 55.7 | 108 | A | A | A | A | A++ |
| 6000 lm | 4000 K | 58.8 | 102 | 24 | 780 | 52.8 | 114 | A+ | A+ | A | A | A3+ |

### **Optic:** Type III - B

**Screen finish:** Frosted

| System | | | | | Source | | | IPEA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Luminous Flux** | **Nominal CCT** | **W** | **lm/W** | **n° led** | **mA** | **W** | **lm/W** | **Road** | **Urban** | **Ped** | **Park** | **Art** |
| 1500 lm | 3000 K | 14.7 | 102 | 16 | 286 | 12.3 | 122 | A+ | A+ | A | A | A3+ |
| 1500 lm | 4000 K | 14.1 | 106 | 16 | 274 | 11.7 | 128 | A+ | A++ | A+ | A+ | A4+ |
| 2500 lm | 3000 K | 25.3 | 99 | 16 | 490 | 21.5 | 116 | A | A+ | A | A | A3+ |
| 2500 lm | 4000 K | 24.3 | 103 | 16 | 468 | 20.5 | 122 | A+ | A+ | A | A | A3+ |
| 3500 lm | 3000 K | 33.7 | 104 | 24 | 456 | 29.9 | 117 | A+ | A+ | A | A | A3+ |
| 3500 lm | 4000 K | 32.2 | 109 | 24 | 434 | 28.5 | 123 | A+ | A++ | A+ | A+ | A4+ |
| 4500 lm | 3000 K | 45.5 | 99 | 24 | 598 | 39.8 | 113 | A | A+ | A | A | A3+ |
| 4500 lm | 4000 K | 43.4 | 104 | 24 | 570 | 37.8 | 119 | A+ | A+ | A | A | A3+ |
| 6000 lm | 3000 K | 61.8 | 97 | 24 | 820 | 55.7 | 108 | A | A | A | A | A++ |
| 6000 lm | 4000 K | 58.8 | 102 | 24 | 780 | 52.8 | 114 | A+ | A+ | A | A | A3+ |


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## LIGHT 700 | LUMINAIRE | POST TOP ENTRY

### **Optic:** Type III - C

**Screen finish:** Frosted

| System | | | | | Source | | | IPEA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Luminous Flux** | **Nominal CCT** | **W** | **lm/W** | **n° led** | **mA** | **W** | **lm/W** | **Road** | **Urban** | **Ped** | **Park** | **Art** |
| 1500 lm | 3000 K | 14.7 | 102 | 16 | 286 | 12.3 | 122 | A+ | A+ | A | A | A3+ |
| 1500 lm | 4000 K | 14.1 | 106 | 16 | 274 | 11.7 | 128 | A+ | A++ | A+ | A+ | A4+ |
| 2500 lm | 3000 K | 25.3 | 99 | 16 | 490 | 21.5 | 116 | A | A+ | A | A | A3+ |
| 2500 lm | 4000 K | 24.3 | 103 | 16 | 468 | 20.5 | 122 | A+ | A+ | A | A | A3+ |
| 3500 lm | 3000 K | 33.7 | 104 | 24 | 456 | 29.9 | 117 | A+ | A+ | A | A | A3+ |
| 3500 lm | 4000 K | 32.2 | 109 | 24 | 434 | 28.5 | 123 | A+ | A++ | A+ | A+ | A4+ |
| 4500 lm | 3000 K | 45.5 | 99 | 24 | 598 | 39.8 | 113 | A | A+ | A | A | A3+ |
| 4500 lm | 4000 K | 43.4 | 104 | 24 | 570 | 37.8 | 119 | A+ | A+ | A | A | A3+ |
| 6000 lm | 3000 K | 61.8 | 97 | 24 | 820 | 55.7 | 108 | A | A | A | A | A++ |
| 6000 lm | 4000 K | 58.8 | 102 | 24 | 780 | 52.8 | 114 | A+ | A+ | A | A | A3+ |

### **Optic:** Type III - Asymmetric

**Screen finish:** Frosted

| System | | | | | Source | | | IPEA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Luminous Flux** | **Nominal CCT** | **W** | **lm/W** | **n° led** | **mA** | **W** | **lm/W** | **Road** | **Urban** | **Ped** | **Park** | **Art** |
| 1500 lm | 3000 K | 14.7 | 102 | 16 | 286 | 12.3 | 122 | A+ | A+ | A | A | A3+ |
| 1500 lm | 4000 K | 14.1 | 106 | 16 | 274 | 11.7 | 128 | A+ | A++ | A+ | A+ | A4+ |
| 2500 lm | 3000 K | 25.3 | 99 | 16 | 490 | 21.5 | 116 | A | A+ | A | A | A3+ |
| 2500 lm | 4000 K | 24.3 | 103 | 16 | 468 | 20.5 | 122 | A+ | A+ | A | A | A3+ |
| 3500 lm | 3000 K | 33.7 | 104 | 24 | 456 | 29.9 | 117 | A+ | A+ | A | A | A3+ |
| 3500 lm | 4000 K | 32.2 | 109 | 24 | 434 | 28.5 | 123 | A+ | A++ | A+ | A+ | A4+ |
| 4500 lm | 3000 K | 45.5 | 99 | 24 | 598 | 39.8 | 113 | A | A+ | A | A | A3+ |
| 4500 lm | 4000 K | 43.4 | 104 | 24 | 570 | 37.8 | 119 | A+ | A+ | A | A | A3+ |
| 6000 lm | 3000 K | 61.8 | 97 | 24 | 820 | 55.7 | 108 | A | A | A | A | A++ |
| 6000 lm | 4000 K | 58.8 | 102 | 24 | 780 | 52.8 | 114 | A+ | A+ | A | A | A3+ |

### **Optic:** Type IV - Forward throw

**Screen finish:** Frosted

| System | | | | | Source | | | IPEA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Luminous Flux** | **Nominal CCT** | **W** | **lm/W** | **n° led** | **mA** | **W** | **lm/W** | **Road** | **Urban** | **Ped** | **Park** | **Art** |
| 1500 lm | 3000 K | 14.7 | 102 | 16 | 286 | 12.3 | 122 | A | A+ | A | A | A3+ |
| 1500 lm | 4000 K | 14.1 | 106 | 16 | 274 | 11.7 | 128 | A+ | A++ | A+ | A+ | A4+ |
| 2500 lm | 3000 K | 25.3 | 99 | 16 | 490 | 21.5 | 116 | A | A+ | A | A | A3+ |
| 2500 lm | 4000 K | 24.3 | 103 | 16 | 468 | 20.5 | 122 | A+ | A+ | A | A | A3+ |
| 3500 lm | 3000 K | 33.7 | 104 | 24 | 456 | 29.9 | 117 | A+ | A+ | A | A | A3+ |
| 3500 lm | 4000 K | 32.2 | 109 | 24 | 434 | 28.5 | 123 | A+ | A++ | A+ | A+ | A4+ |
| 4500 lm | 3000 K | 45.5 | 99 | 24 | 598 | 39.8 | 113 | A | A+ | A | A | A3+ |
| 4500 lm | 4000 K | 43.4 | 104 | 24 | 570 | 37.8 | 119 | A+ | A+ | A | A | A3+ |
| 6000 lm | 3000 K | 61.8 | 97 | 24 | 820 | 55.7 | 108 | A | A | A | A | A++ |
| 6000 lm | 4000 K | 58.8 | 102 | 24 | 780 | 52.8 | 114 | A | A+ | A | A | A3+ |


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## LIGHT 700 | LUMINAIRE | POST TOP ENTRY

### **Optic:** Type IV - C

### **Screen finish:** Frosted

| System | | | | | Source | | | IPEA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Luminous Flux** | **Nominal CCT** | **W** | **lm/W** | **n° led** | **mA** | **W** | **lm/W** | **Road** | **Urban** | **Ped** | **Park** | **Art** |
| 1500 lm | 3000 K | 14.7 | 102 | 16 | 286 | 12.3 | 122 | A+ | A+ | A | A | A3+ |
| 1500 lm | 4000 K | 14.1 | 106 | 16 | 274 | 11.7 | 128 | A+ | A++ | A+ | A+ | A4+ |
| 2500 lm | 3000 K | 25.3 | 99 | 16 | 490 | 21.5 | 116 | A | A+ | A | A | A3+ |
| 2500 lm | 4000 K | 24.3 | 103 | 16 | 468 | 20.5 | 122 | A+ | A+ | A | A | A3+ |
| 3500 lm | 3000 K | 33.7 | 104 | 24 | 456 | 29.9 | 117 | A+ | A+ | A | A | A3+ |
| 3500 lm | 4000 K | 32.2 | 109 | 24 | 434 | 28.5 | 123 | A+ | A++ | A+ | A+ | A4+ |
| 4500 lm | 3000 K | 45.5 | 99 | 24 | 598 | 39.8 | 113 | A | A+ | A | A | A3+ |
| 4500 lm | 4000 K | 43.4 | 104 | 24 | 570 | 37.8 | 119 | A+ | A+ | A | A | A3+ |
| 6000 lm | 3000 K | 61.8 | 97 | 24 | 820 | 55.7 | 108 | A | A | A | A | A++ |
| 6000 lm | 4000 K | 58.8 | 102 | 24 | 780 | 52.8 | 114 | A+ | A+ | A | A | A3+ |

### **Optic:** Type V - Rotosymmetric

### **Screen finish:** Frosted

| System | | | | | Source | | | IPEA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Luminous Flux** | **Nominal CCT** | **W** | **lm/W** | **n° led** | **mA** | **W** | **lm/W** | **Road** | **Urban** | **Ped** | **Park** | **Art** |
| 1500 lm | 3000 K | 14.7 | 102 | 16 | 286 | 12.3 | 122 | A+ | A+ | A | A | A3+ |
| 1500 lm | 4000 K | 14.1 | 106 | 16 | 274 | 11.7 | 128 | A+ | A++ | A+ | A+ | A4+ |
| 2500 lm | 3000 K | 25.3 | 99 | 16 | 490 | 21.5 | 116 | A | A+ | A | A | A3+ |
| 2500 lm | 4000 K | 24.3 | 103 | 16 | 468 | 20.5 | 122 | A+ | A+ | A | A | A3+ |
| 3500 lm | 3000 K | 33.7 | 104 | 24 | 456 | 29.9 | 117 | A+ | A+ | A | A | A3+ |
| 3500 lm | 4000 K | 32.2 | 109 | 24 | 434 | 28.5 | 123 | A+ | A++ | A+ | A+ | A4+ |
| 4500 lm | 3000 K | 45.5 | 99 | 24 | 598 | 39.8 | 113 | A | A+ | A | A | A3+ |
| 4500 lm | 4000 K | 43.4 | 104 | 24 | 570 | 37.8 | 119 | A+ | A+ | A | A | A3+ |
| 6000 lm | 3000 K | 61.8 | 97 | 24 | 820 | 55.7 | 108 | A | A | A | A | A++ |
| 6000 lm | 4000 K | 58.8 | 102 | 24 | 780 | 52.8 | 114 | A+ | A+ | A | A | A3+ |


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