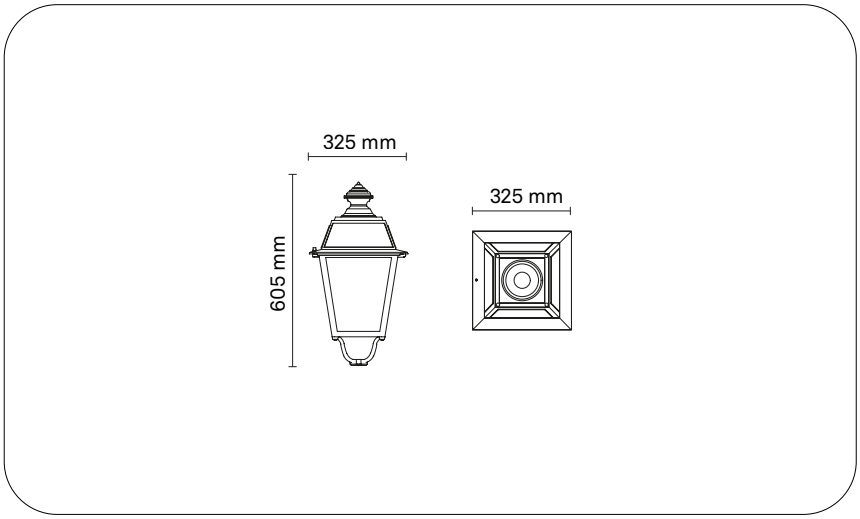
NERI

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

LIGHT 853 | LUMINAIRE | POST TOP ENTRY





CE IP45 IK09 Classe II

ORDERING INFORMATION / GUIDE

Example**: PN853-N-D20-730-L015-ST-V1-F02-M2-CN0**

OPTIQUE	RA+K	LUMINOUS FLUX	SCREEN FINISH	POWER SUPPLY	DRIVER FUNCTION	ISO CLASS	FINISH
D20 Type II - A	**730** Ra70 3000 K	**L015** 1500 lm	**ST** Transparent	**V1** 220V-240V	**F02** 1-10V+CLO	**M2** Class II	**CN0** Grey [Neri] Textured
D30 Type V - Rotosymmetric	**740** Ra70 4000 K	**L025** 2500 lm	**SP** Prismatic		**F14** NVL6H+CLO		
		L035 3500 lm					
		L045 4500 lm					

Generated code: **PN853 - N** - _ _ _ - _ _ _ - _ _ _ _ - _ _ - _ _ - _ _ _ - _ _ - _ _ _

CONFIGURATION NOTES
The product features shown in this datasheet cannot always be freely combined.
To verify the configurations actually available and define the corresponding product code, please use the configurator available on our website.

ON REQUEST
Non-standard variants and configurations available upon request. Please contact Neri for further information.

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LIGHT 853 | LUMINAIRE | POST TOP ENTRY

SOURCE

High-power LED matrix.

Energy-efficiency class: D
LED forward current: 209-597 mA
Power rating: 9.1-31.3 W
Nominal Flux: 1500-4500 lm
Nominal CCT (Colour temperature): 3000 K, 4000 K
Color Rendering Index (Ra): 70
Standard Deviation Colour Matching: ≤5
Rated lifetime: L90B10 100000 h @ Tq = 25 °C

LIGHTING CHARACTERISTICS

Modular 2x2 refractive lenses in PMMA.

Optique: Type II - A, Type V - Rotosymmetric
Optical efficiency: LOR = 84-91% ULOR = 0%
LED quantity: 16
Cutoff Angle: Cutoff, Semi Cutoff C = 15, 90° γ = 22, 66°
Luminous flux: 1260-3870 lm
Luminous efficacy: 99-114 lm/W
Maximum luminous intensity γ 90°: ≤0.43 cd/klm
Luminous intensity class: G*4, G*6
IPEA: Road A++ / A4+, Urban A3+ / A5+, Ped A++ / A4+, Park A++ / A4+, Art A5+ / A8+
BUG: B=0-2, U=1, G=0-1
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: 11.3-36.4 W
Power supply: 220V-240V~ 50/60Hz
Insulation class: Class II
Control type - driver: 1-10V+CLO, NVL6H+CLO
Ambient temperature: -35 °C / +35 °C
Driver included: No

MECHANICAL CHARACTERISTICS

Structure made of die-cast and sheet aluminium (UNI EN 1706) with a tilting upper frame of square plan and circular chimney, and a lower frame in truncated-pyramidal cage with a quadruped featuring a Ø28 mm hole for mounting to the support.
Screen in extra-clear or prismatic tempered glass.
IP45 protection rating, IP66 optical compartment, stainless steel fastening elements, and compartment prepared for additional surge protectors or remote control systems.

Length: 325 mm
Width: 325 mm
Height: 605 mm
Weight: 4.6 kg
Wind-exposed area: 0.1 m²
Protection degree: IP45
Mechanical resistance: IK09
Finish: Grey [Neri] Textured

INSTALLATION

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

WARNINGS

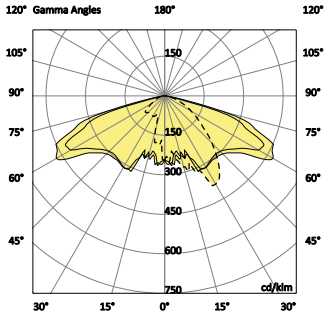
Luminaire designed for disposal/recycling at end-of-life.
Replaceable (LED only) light source by a professional.
Replaceable control gear by a professional.
Protection of surfaces: please refer to the specification on painting procedures of the materials.

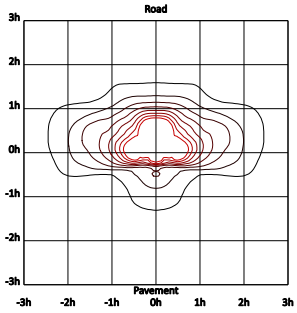
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LIGHT 853 | LUMINAIRE | POST TOP ENTRY

Optic: Type II - A

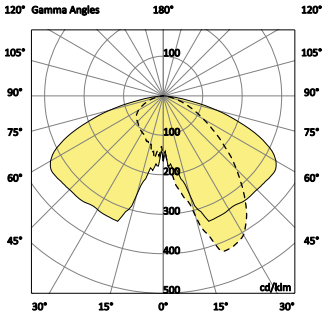
Screen finish: Transparent

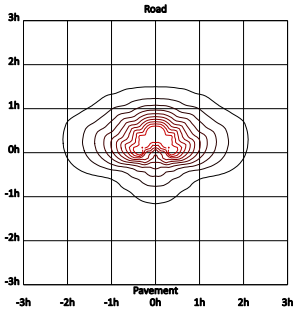




Optic: Type II - A

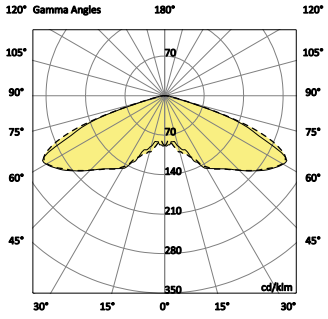
Screen finish: Prismatic

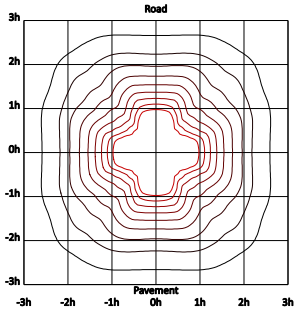




Optic: Type V - Rotosymmetric

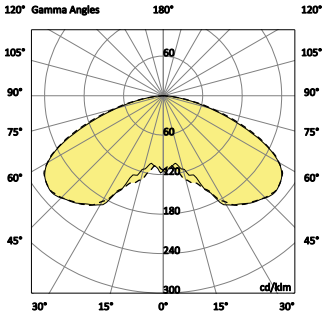
Screen finish: Transparent

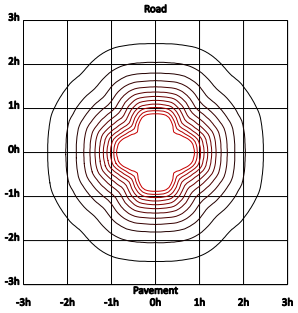




Optic: Type V - Rotosymmetric

Screen finish: Prismatic





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LIGHT 853 | LUMINAIRE | POST TOP ENTRY

Optic: Type II - A

Screen finish: Transparent

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	11.7	110	16	219	9.6	156	A4+	A4+	A3+	A3+	A7+
1500 lm	4000 K	11.3	114	16	209	9.1	165	A4+	A5+	A4+	A4+	A8+
2500 lm	3000 K	20.1	107	16	376	16.9	148	A3+	A4+	A3+	A3+	A6+
2500 lm	4000 K	19.3	111	16	358	16	156	A4+	A4+	A3+	A3+	A7+
3500 lm	3000 K	29.1	103	16	549	25.1	139	A3+	A3+	A++	A++	A6+
3500 lm	4000 K	27.9	108	16	521	23.7	148	A3+	A4+	A3+	A3+	A6+
4500 lm	3000 K	36.4	106	16	460	31.3	144	A3+	A4+	A3+	A3+	A6+
4500 lm	4000 K	34.5	112	16	460	29.7	152	A4+	A5+	A3+	A3+	A7+

Optic: Type II - A

Screen finish: Prismatic

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	12	114	16	235	9.8	153	A4+	A5+	A4+	A4+	A7+
1500 lm	4000 K	12	114	16	225	9.8	153	A4+	A5+	A4+	A4+	A7+
2500 lm	3000 K	21.5	106	16	406	18.3	137	A3+	A4+	A3+	A3+	A6+
2500 lm	4000 K	20.4	112	16	387	17.4	144	A4+	A4+	A3+	A3+	A7+
3500 lm	3000 K	31.4	101	16	597	27.3	128	A++	A3+	A++	A++	A5+
3500 lm	4000 K	29.7	107	16	566	25.9	135	A3+	A4+	A3+	A3+	A6+

Optic: Type V - Rotosymmetric

Screen finish: Transparent

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	11.7	110	16	209	9.6	156	A4+	A4+	A3+	A3+	A7+
1500 lm	4000 K	11.3	114	16	209	9.1	165	A4+	A5+	A4+	A4+	A8+
2500 lm	3000 K	20.1	107	16	358	16.9	148	A3+	A4+	A3+	A3+	A6+
2500 lm	4000 K	19.3	111	16	358	16	156	A4+	A4+	A3+	A3+	A7+
3500 lm	3000 K	29.1	103	16	521	25.1	139	A3+	A3+	A++	A++	A6+
3500 lm	4000 K	27.9	108	16	521	23.7	148	A3+	A4+	A3+	A3+	A6+
4500 lm	3000 K	36.4	106	16	460	31.3	144	A3+	A4+	A3+	A3+	A6+
4500 lm	4000 K	34.5	112	16	460	29.7	152	A4+	A5+	A3+	A3+	A7+

Optic: Type V - Rotosymmetric

Screen finish: Prismatic

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	12	105	16	235	9.8	153	A3+	A3+	A++	A++	A6+
1500 lm	4000 K	12	105	16	225	9.8	153	A3+	A3+	A++	A++	A6+
2500 lm	3000 K	20.4	103	16	406	17.4	144	A3+	A3+	A++	A++	A6+
2500 lm	4000 K	20.4	103	16	387	17.4	144	A3+	A3+	A++	A++	A6+
3500 lm	3000 K	29.7	99	16	597	25.9	135	A++	A3+	A++	A++	A5+
3500 lm	4000 K	29.7	99	16	566	25.9	135	A++	A3+	A++	A++	A5+

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