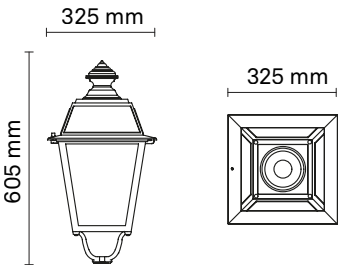


Light 853 | Luminaire | Post top entry



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 L035 3500 lm L045 4500 lm	SP Prismatic		F14 NVL6H+CLO		

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.

Light 853 | Luminaire | Post top entry

SOURCE

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

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

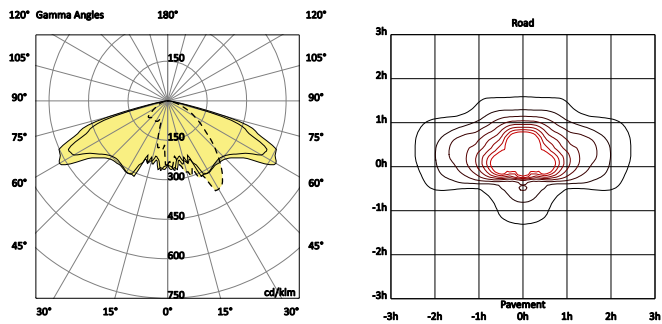
Pole-top: flange with central hole Ø 28 mm for fastening to the support.

WARNINGS

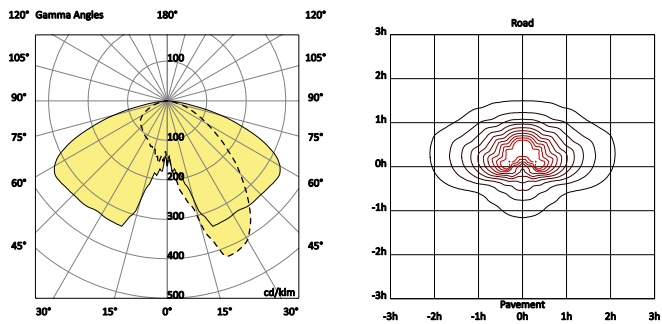
Luminaire designed for disposal/recycling at end-of-life.
Replaceable (LED only) light source by a professional.
Replaceable control gear by a professional.
Protection of surfaces: please refer to the specification on painting procedures of the materials.

Light 853 | Luminaire | Post top entry

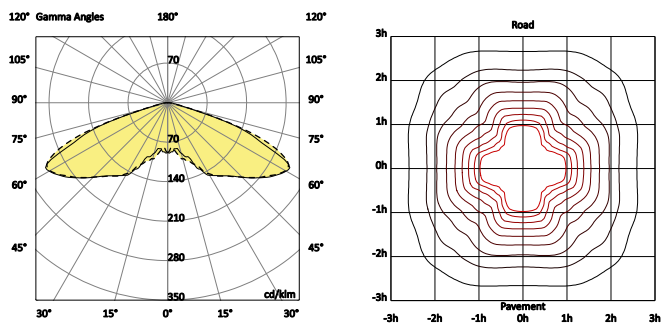
Optic: Type II - A
Screen finish: Transparent



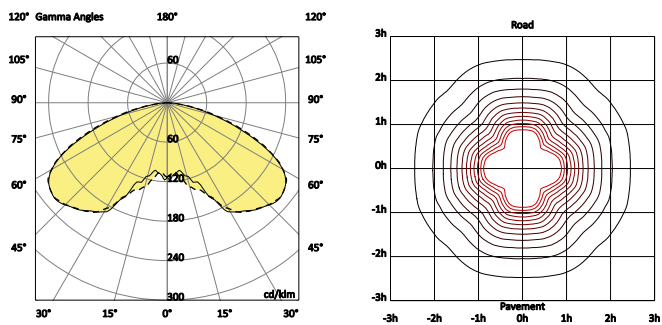
Optic: Type II - A
Screen finish: Prismatic



Optic: Type V - Rotosymmetric
Screen finish: Transparent



Optic: Type V - Rotosymmetric
Screen finish: Prismatic



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+