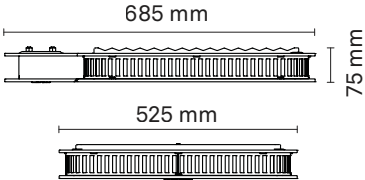


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Ordering Information / Guide

Example: **MN****MAT**-**N**-**D20**-**730**-**L090**-**ST**-**V1**-**F02**-**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	L060 6000 lm	ST Transparent	V1 220V-240V	F02 1-10V+CLO	M2 Class II	CN0 Grey [Neri] Textured
D20 Type II - A	740 Ra70 4000 K	L090 9000 lm			F06 DALI+CLO		
D21 Type II - A		L135 13500 lm			F04 Ampdim+CLO		
D24 Type IV - Forward throw		L180 18000 lm			F14 NVL6H+CLO		
D17 Type IV - B							
D30 Type V - Rotosymmetric							

Generated code: **MN****MAT** - **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.

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SOURCE

High-power LED matrix.	D
Energy-efficiency class	609-730 mA
LED forward current	64-132 W
Power rating	6000-18000 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.	Type I - Center road, Type II - A,
Optique	Type IV - Forward throw,
	Type IV - B,
	Type V - Rotosymmetric
Optical efficiency	LOR = 100% ULOR = 0%
LED quantity	32, 48, 64
Cutoff Angle	Cutoff, Semi Cutoff C = 10, 55°
	γ = 54, 74°
Luminous flux	6000-18000 lm
Luminous efficacy	79-130 lm/W
Luminous intensity class	G*1, G*3, G*4, G*6
IPEA	Road B / A4+, Urban A+ / A7+,
	Ped C / A4+, Park C / A4+,
	Art A++ / A9+
BUG	B=1-4, U=0, 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. ENEC safety mark.	71-144 W
Luminaire power	220V-240V~ 50/60Hz
Power supply	Class II
Insulation class	1-10V+CLO, DALI+CLO,
Control type - driver	Ampdim+CLO, NVL6H+CLO
Ambient temperature	-35 °C / +50 °C
Driver included	No

MECHANICAL CHARACTERISTICS

Structure made of cast and sheet aluminium (UNI EN 1706) with a perimeter band in sheet metal and a tilting lower frame for access to the auxiliary and optical compartment.	
Screen in extra-clear transparent screen-printed glass with silicone gasket between the upper and lower frames.	
Stainless steel screws.	
Length	685 mm
Width	525 mm
Height	75 mm
Weight	16 kg
Wind-exposed area	0.04 m²
Protection degree	IP65
Mechanical resistance	IK09
Finish	Grey [Neri] Textured

INSTALLATION

Side mounting on tips and poles of the Matar system, with Ø 48 mm tubes.

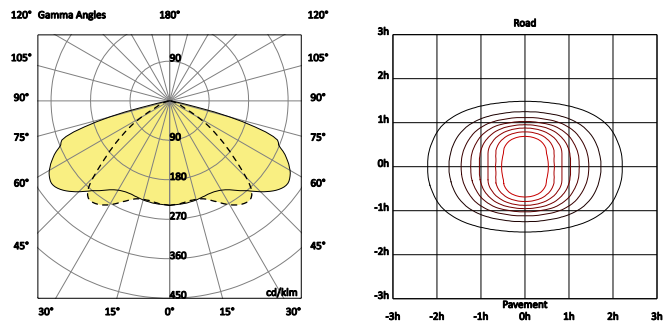
WARNINGS

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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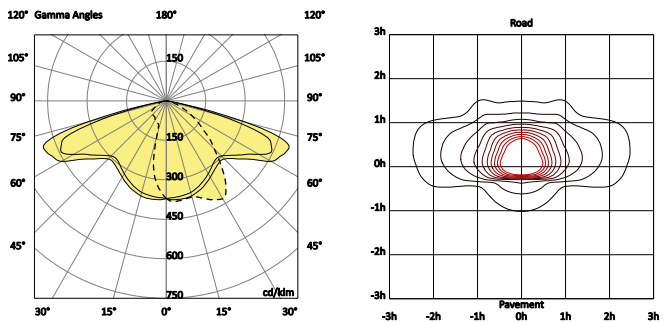
Optic: Type I - Center road

Screen finish: Transparent



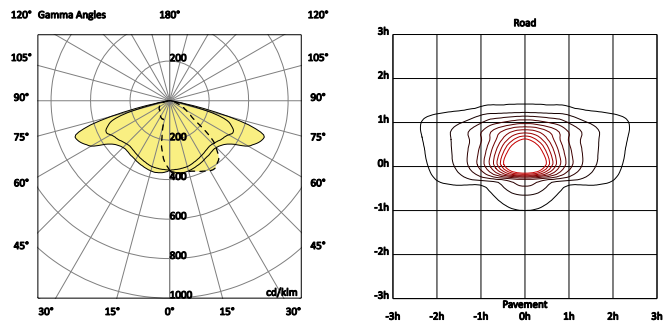
Optic: Type II - A

Screen finish: Transparent



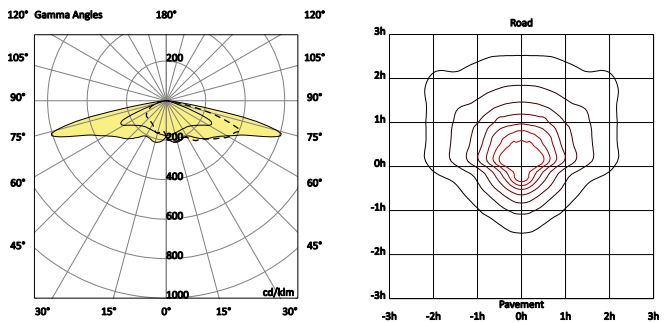
Optic: Type II - A

Screen finish: Transparent



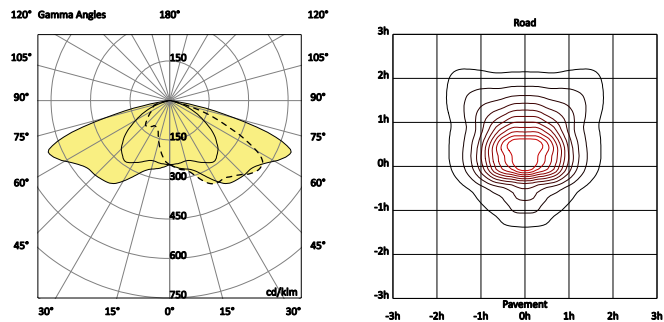
Optic: Type IV - Forward throw

Screen finish: Transparent



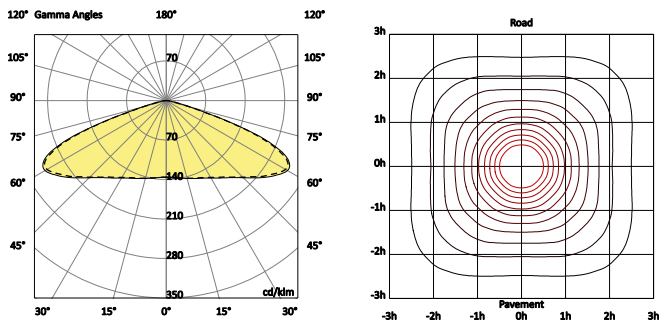
Optic: Type IV - B

Screen finish: Transparent



Optic: Type V - Rotosymmetric

Screen finish: Transparent



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Optic: Type I - Center road

Screen finish: Transparent

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
6000 lm	4000 K	71	85	32	667	64	94	A	A+	B	B	A3+
9000 lm	3000 K	76	118	32	720	68	132	A4+	A5+	A3+	A3+	A8+
13500 lm	3000 K	108	125	48	635	99	136	A4+	A6+	A3+	A3+	A8+
13500 lm	4000 K	104	130	48	706	95	142	A4+	A7+	A4+	A4+	A8+
18000 lm	3000 K	144	125	64	609	132	136	A++	A6+	A3+	A3+	A8+
18000 lm	4000 K	138	130	64	730	127	142	A3+	A7+	A3+	A3+	A9+

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
6000 lm	4000 K	71	85	32	667	64	94	A	A+	B	B	A3+
9000 lm	3000 K	76	118	32	720	68	132	A4+	A5+	A3+	A3+	A8+
13500 lm	3000 K	108	125	48	635	99	136	A4+	A6+	A3+	A3+	A8+
13500 lm	4000 K	104	130	48	706	95	142	A4+	A7+	A4+	A4+	A8+
18000 lm	3000 K	144	125	64	609	132	136	A++	A6+	A3+	A3+	A8+
18000 lm	4000 K	138	130	64	730	127	142	A3+	A7+	A3+	A3+	A9+

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
6000 lm	4000 K	71	85	32	667	64	94	A	A+	B	B	A3+
9000 lm	3000 K	76	118	32	720	68	132	A4+	A5+	A3+	A3+	A8+
13500 lm	3000 K	108	125	48	635	99	136	A4+	A6+	A3+	A3+	A8+
13500 lm	4000 K	104	130	48	706	95	142	A4+	A7+	A4+	A4+	A8+
18000 lm	3000 K	144	125	64	609	132	136	A++	A6+	A3+	A3+	A8+
18000 lm	4000 K	138	130	64	730	127	142	A3+	A7+	A3+	A3+	A9+

Optic: Type IV - Forward throw

Screen finish: Transparent

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
6000 lm	4000 K	71	85	32	667	64	94	A	A+	B	B	A3+
9000 lm	3000 K	76	118	32	720	68	132	A4+	A5+	A3+	A3+	A8+
13500 lm	3000 K	108	125	48	635	99	136	A4+	A6+	A3+	A3+	A8+
13500 lm	4000 K	104	130	48	706	95	142	A4+	A7+	A4+	A4+	A8+
18000 lm	3000 K	144	125	64	609	132	136	A++	A6+	A3+	A3+	A8+
18000 lm	4000 K	138	130	64	730	127	142	A3+	A7+	A3+	A3+	A9+

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Optic: Type IV - B

Screen finish: Transparent

System					Source			IPEA				
Luminous Flux	Nominal CCT	W	lm/W	n° led	mA	W	lm/W	Road	Urban	Ped	Park	Art
6000 lm	3000 K	76	79	32	720	68	88	B	A	C	C	A++
6000 lm	4000 K	71	85	32	667	64	94	A	A+	B	B	A3+
13500 lm	3000 K	108	125	48	635	99	136	A4+	A6+	A3+	A3+	A8+
13500 lm	4000 K	104	130	48	706	95	142	A4+	A7+	A4+	A4+	A8+
18000 lm	3000 K	144	125	64	609	132	136	A++	A6+	A3+	A3+	A8+
18000 lm	4000 K	138	130	64	730	127	142	A3+	A7+	A3+	A3+	A9+

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
6000 lm	4000 K	71	85	32	667	64	94	A	A+	B	B	A3+
9000 lm	3000 K	76	118	32	720	68	132	A4+	A5+	A3+	A3+	A8+
13500 lm	3000 K	108	125	48	635	99	136	A4+	A6+	A3+	A3+	A8+
13500 lm	4000 K	104	130	48	706	95	142	A4+	A7+	A4+	A4+	A8+
18000 lm	3000 K	144	125	64	609	132	136	A++	A6+	A3+	A3+	A8+
18000 lm	4000 K	138	130	64	730	127	142	A3+	A7+	A3+	A3+	A9+