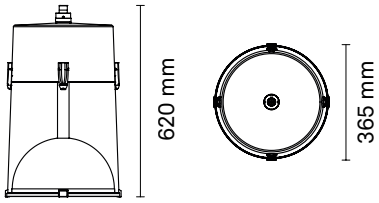
NERI

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

Chara | Luminaire



Ordering Information / Guide

Example**: SN020-N-D20-730-L015-SP-V1-F14-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	**SP** Prismatic	**V1** 220V-240V	**F02** 1-10V+CLO	**M2** Class II	**CN0** Grey [Neri] Textured
D20 Type II - A	**740** Ra70 4000 K	**L025** 2500 lm			**F06** DALI+CLO		
D21 Type II - A		**L035** 3500 lm			**F04** Ampdim+CLO		
D24 Type IV - Forward throw		**L045** 4500 lm			**F14** NVL6H+CLO		
D30 Type V - Rotosymmetric		**L060** 6000 lm					
		L075 7500 lm					

Generated code: **SN020 - N** - _ _ _ - _ _ _ - _ _ _ _ - _ _ - _ _ - _ _ _ - _ _ - _ _ _

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SOURCE

High-power LED matrix.

Energy-efficiency class	D
LED forward current	217-614 mA
Power rating	9-54 W
Nominal Flux	1500-7500 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 I - Center road, Type II - A, Type IV - Forward throw, Type V - Rotosymmetric
Optical efficiency	LOR = 100% ULOR = 0%
LED quantity	16, 24, 32
Cutoff Angle	Semi Cutoff C = 0, 90° γ = 26, 52°
Luminous flux	1500-7500 lm
Luminous efficacy	117-125 lm/W
Luminous intensity class	G*6
IPEA	Road A4+ / A6+, Urban A5+ / A6+, Ped A4+ / A5+, Park A4+ / A5+, Art A8+ / A9+
BUG	B=1-2, U=0, G=1-2
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	12-63 W
Power supply	220V-240V~ 50/60Hz
Insulation class	Class II
Control type - driver	1-10V+CLO, DALI+CLO, Ampdim+CLO, NVL6H+CLO
Ambient temperature	-35 °C / +35 °C
Driver included	No

MECHANICAL CHARACTERISTICS

Die-cast aluminium housing (UNI EN 1706) with cylindrical top frame featuring a quick-connect brass fitting and G3/4” threaded tube for mounting to the support, complete with internal cable gland.
Cylindrical screen in polycarbonate with prismatic glass base and silicone sealing gasket.
Tilting inner frame in anodised aluminium sheet, openable via snap-in clips for access to the auxiliary compartment, with wiring plate, reflective semi-sphere, and connection tube.
Stainless steel screws.

Diameter	365 mm
Height	620 mm
Weight	10.5 kg
Wind-exposed area	0.2 m²
Protection degree	IP65
Mechanical resistance	IK08
Finish	Grey [Neri] Textured

INSTALLATION

Suspended: threaded connection G3/4”.

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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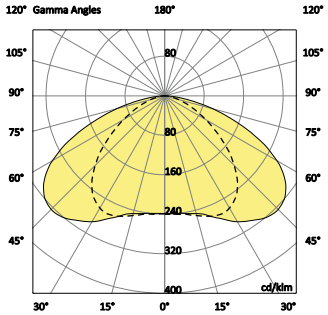
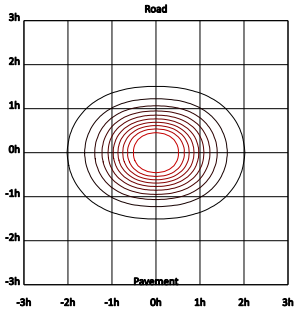
Optic: Type I - Center road

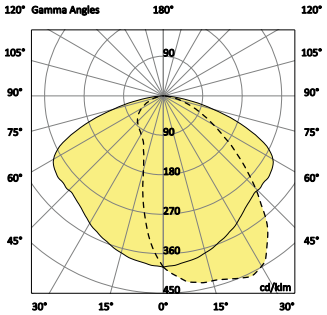
Screen finish: Prismatic

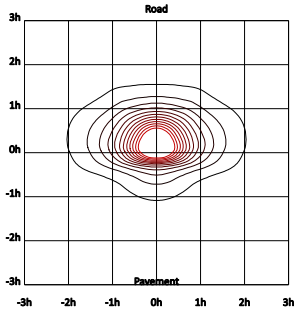




Optic: Type II - A

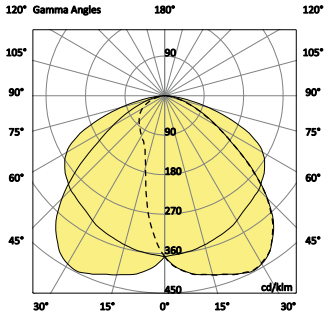
Screen finish: Prismatic

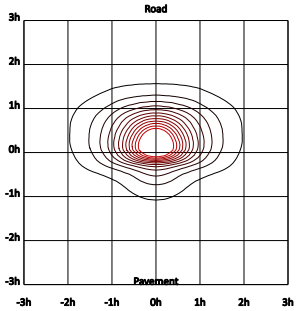




Optic: Type II - A

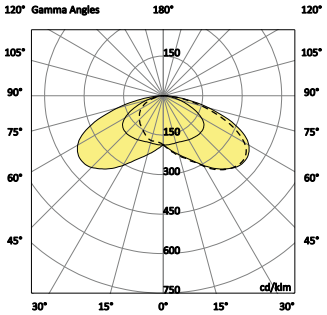
Screen finish: Prismatic

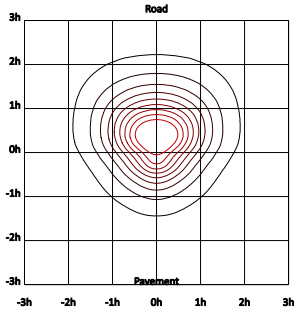




Optic: Type IV - Forward throw

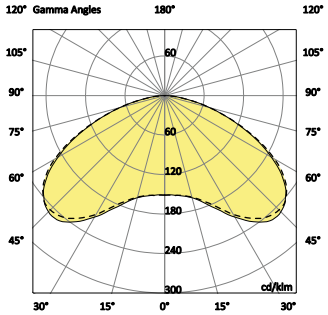
Screen finish: Prismatic

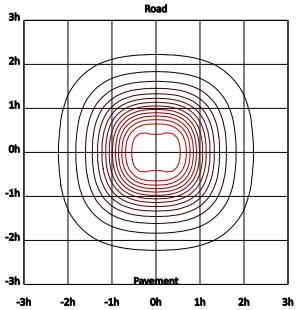




Optic: Type V - Rotosymmetric

Screen finish: Prismatic





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Optic: Type I - Center road

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	125	16	217	9	167	A6+	A6+	A5+	A5+	A9+
1500 lm	4000 K	12	125	24	217	9	167	A6+	A6+	A5+	A5+	A9+
2500 lm	3000 K	21	119	16	377	17	147	A5+	A6+	A4+	A4+	A8+
2500 lm	4000 K	20	125	24	377	17	147	A6+	A6+	A5+	A5+	A9+
3500 lm	3000 K	30	117	24	552	26	135	A4+	A5+	A4+	A4+	A8+
3500 lm	4000 K	29	121	32	552	26	135	A5+	A6+	A5+	A5+	A9+
4500 lm	3000 K	38	118	32	463	32	141	A5+	A5+	A4+	A4+	A8+
4500 lm	4000 K	36	125	32	463	32	141	A6+	A6+	A5+	A5+	A9+
6000 lm	3000 K	49	122	32	463	42	143	A5+	A6+	A5+	A5+	A9+
6000 lm	4000 K	48	125	16	463	42	143	A6+	A6+	A5+	A5+	A9+
7500 lm	3000 K	63	119	16	598	54	139	A5+	A6+	A4+	A4+	A8+
7500 lm	4000 K	61	123	16	598	54	139	A5+	A6+	A5+	A5+	A9+

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	125	16	228	9	167	A6+	A6+	A5+	A5+	A9+
1500 lm	4000 K	12	125	16	228	9	167	A6+	A6+	A5+	A5+	A9+
2500 lm	3000 K	21	119	16	388	17	147	A5+	A6+	A4+	A4+	A8+
2500 lm	4000 K	20	125	16	388	17	147	A6+	A6+	A5+	A5+	A9+
3500 lm	3000 K	30	117	16	566	26	135	A4+	A5+	A4+	A4+	A8+
3500 lm	4000 K	29	121	24	566	26	135	A5+	A6+	A5+	A5+	A9+
4500 lm	3000 K	38	118	24	475	32	141	A5+	A5+	A4+	A4+	A8+
4500 lm	4000 K	36	125	32	475	32	141	A6+	A6+	A5+	A5+	A9+
6000 lm	3000 K	49	122	32	475	42	143	A5+	A6+	A5+	A5+	A9+
6000 lm	4000 K	48	125	32	475	42	143	A6+	A6+	A5+	A5+	A9+
7500 lm	3000 K	63	119	32	614	54	139	A5+	A6+	A4+	A4+	A8+
7500 lm	4000 K	61	123	16	614	54	139	A5+	A6+	A5+	A5+	A9+

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	125	24	228	9	167	A6+	A6+	A5+	A5+	A9+
1500 lm	4000 K	12	125	32	217	9	167	A6+	A6+	A5+	A5+	A9+
2500 lm	3000 K	21	119	24	388	17	147	A5+	A6+	A4+	A4+	A8+
2500 lm	4000 K	20	125	32	377	17	147	A6+	A6+	A5+	A5+	A9+
3500 lm	3000 K	30	117	32	566	26	135	A4+	A5+	A4+	A4+	A8+
3500 lm	4000 K	29	121	32	552	26	135	A5+	A6+	A5+	A5+	A9+
4500 lm	3000 K	38	118	32	475	32	141	A5+	A5+	A4+	A4+	A8+
4500 lm	4000 K	36	125	16	463	32	141	A6+	A6+	A5+	A5+	A9+
6000 lm	3000 K	49	122	16	475	42	143	A5+	A6+	A5+	A5+	A9+
6000 lm	4000 K	48	125	16	463	42	143	A6+	A6+	A5+	A5+	A9+
7500 lm	3000 K	63	119	16	614	54	139	A5+	A6+	A4+	A4+	A8+
7500 lm	4000 K	61	123	24	598	54	139	A5+	A6+	A5+	A5+	A9+

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Optic: Type IV - Forward throw

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	125	32	217	9	167	A6+	A6+	A5+	A5+	A9+
1500 lm	4000 K	12	125	16	217	9	167	A6+	A6+	A5+	A5+	A9+
2500 lm	3000 K	21	119	32	377	17	147	A5+	A6+	A4+	A4+	A8+
2500 lm	4000 K	20	125	16	377	17	147	A6+	A6+	A5+	A5+	A9+
3500 lm	3000 K	30	117	16	552	26	135	A4+	A5+	A4+	A4+	A8+
3500 lm	4000 K	29	121	16	552	26	135	A5+	A6+	A5+	A5+	A9+
4500 lm	3000 K	38	118	16	463	32	141	A5+	A5+	A4+	A4+	A8+
4500 lm	4000 K	36	125	24	463	32	141	A6+	A6+	A5+	A5+	A9+
6000 lm	3000 K	49	122	24	463	42	143	A5+	A6+	A5+	A5+	A9+
6000 lm	4000 K	48	125	32	463	42	143	A6+	A6+	A5+	A5+	A9+
7500 lm	3000 K	63	119	32	598	54	139	A5+	A6+	A4+	A4+	A8+
7500 lm	4000 K	61	123	32	598	54	139	A5+	A6+	A5+	A5+	A9+

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	125	32	217	9	167	A6+	A6+	A5+	A5+	A9+
1500 lm	4000 K	12	125	32	217	9	167	A6+	A6+	A5+	A5+	A9+
2500 lm	3000 K	21	119	32	377	17	147	A5+	A6+	A4+	A4+	A8+
2500 lm	4000 K	20	125	32	377	17	147	A6+	A6+	A5+	A5+	A9+
3500 lm	3000 K	30	117	32	552	26	135	A4+	A5+	A4+	A4+	A8+
3500 lm	4000 K	29	121	16	552	26	135	A5+	A6+	A5+	A5+	A9+
4500 lm	3000 K	38	118	16	463	32	141	A5+	A5+	A4+	A4+	A8+
4500 lm	4000 K	36	125	16	463	32	141	A6+	A6+	A5+	A5+	A9+
6000 lm	3000 K	49	122	16	463	42	143	A5+	A6+	A5+	A5+	A9+
6000 lm	4000 K	48	125	24	463	42	143	A6+	A6+	A5+	A5+	A9+
7500 lm	3000 K	63	119	24	598	54	139	A5+	A6+	A4+	A4+	A8+
7500 lm	4000 K	61	123	32	598	54	139	A5+	A6+	A5+	A5+	A9+

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