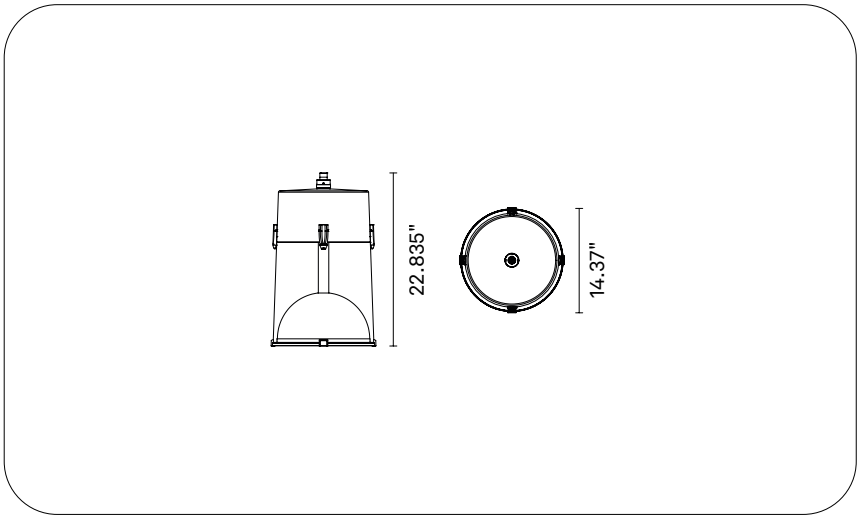
NERI

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

CHARA | LUMINAIRE





IP66 IK08 cULus

ORDERING INFORMATION / GUIDE

Example**: LUCHA00-U-D28-840-L025-SP-V0-F35-MU-CN0**

OPTICS	RA+K	LUMINOUS FLUX	LENS	VOLTAGE	DRIVER FUNCTION	ISO CLASS	FINISH
D28 T1 short	**827** Ra80 2700 K	**L025** 2500 lm	**SP** Prismatic	**V0** 120V-277V	**F35** 0-10V+CLO	**MU** UL	**CN0** Grey [Neri] Textured
D36 T2 medium	**830** Ra80 3000 K	**L035** 3500 lm			**F11** NEMA-3		
D22 T3 narrow	**840** Ra80 4000 K	**L045** 4500 lm					
D25 T2 narrow		**L060** 6000 lm					
D37 T3 medium		**L075** 7500 lm					
D24 T4 wide							
D38 T4 medium							
D30 T5 square medium							

Generated code: **LUCHA00 - U** - _ _ _ - _ _ _ - _ _ _ _ - _ _ - _ _ - _ _ _ - _ _ - _ _ _

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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SOURCE

High-power LED matrix.

Energy-efficiency class: D, E
LED forward current: 356-748 mA
Power rating: 15.4-48.5 W
Nominal Flux: 2500-7500 lm
Nominal CCT (Color temperature): 2700 K, 3000 K, 4000 K
Color Rendering Index (Ra): 80
Standard Deviation Colour Matching: ≤5
ANSI/IES TM-30: Rf = 83-85 Rg = 95-96
Rated lifetime: L90 = 100000 h (Ts = 85 °C, 700 mA)

LIGHTING CHARACTERISTICS

Modular 2x2 refractive lenses in PMMA.

Optics: T1 short, T2 medium, T3 narrow, T2 narrow, T3 medium, T4 wide, T4 medium, T5 square medium
Optical efficiency: LOR = 100% ULOR = 0%
LED quantity: 16, 24, 32
Cutoff Angle: Semi Cutoff C = 0, 60° γ = 42, 52°
Luminous flux: 2500-7500 lm
Luminous efficacy: 115-134 lm/W
BUG: B=1-2, U=0, G=1-2
Photobiological safety: RG1 - Low risk

ELECTRICAL CHARACTERISTICS

Luminaire power: 18.6-56.7 W
Voltage: 120V-277V~ 50/60Hz
Power factor: ≥0.99
Insulation class: UL
Control type - driver: 0-10V+CLO, NEMA-3
Safe Flicker: PstLM=<1 e SVM=<0,4 (IEC TR 61547-1 e IEC TR 63158)
Ambient temperature: -13 °F / +122 °F

Driver included: Yes
Surge protection: 20kV CM - 20kV DM

MECHANICAL CHARACTERISTICS

Die-cast aluminum housing (UNI EN 1706) with cylindrical top frame equipped with a quick-connect brass fitting and G3/4" threaded tube for mounting to the support, complete with internal cable gland.
Cylindrical shield in polycarbonate with prismatic glass base and silicone sealing gasket.
Tilting inner frame in anodized 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: 14.37 in
Height: 22.835 in
Weight: 28.33 lb
EPA: 2.15 ft²
Protection degree: IP66
Mechanical resistance: IK08
Finish: Grey [Neri] Textured

INSTALLATION

Pole-top mounting on Ø 2-3/8" tubes (with reducing ring) and on Ø 3" tubes (without reducing ring).
Flush-mounted on Ø 3-1/2" 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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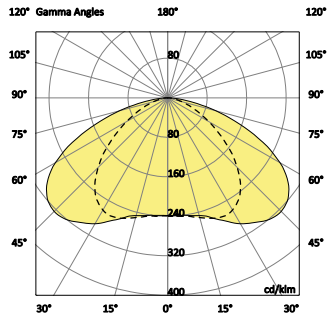
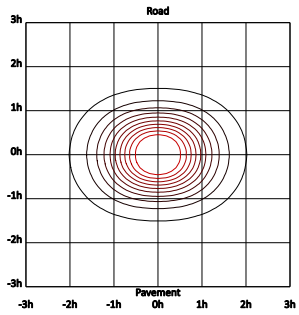
Optic: T1 short

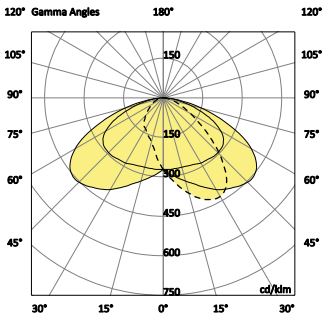
Lens: Prismatic

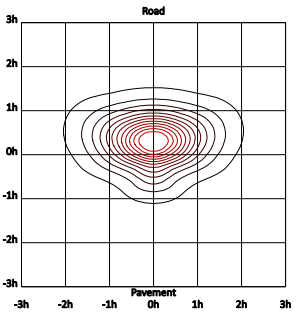




Optic: T2 medium

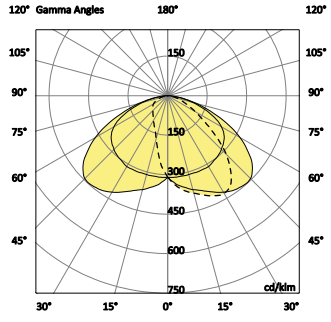
Lens: Prismatic

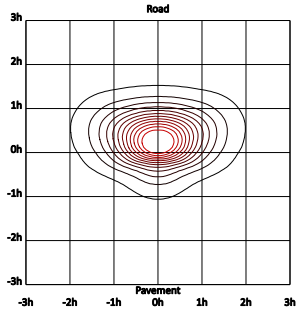




Optic: T3 narrow

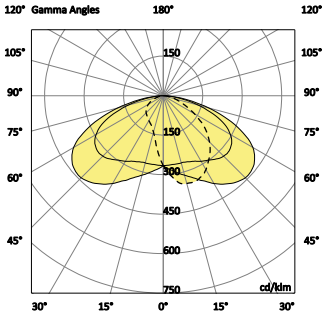
Lens: Prismatic

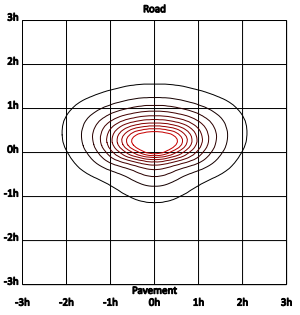




Optic: T2 narrow

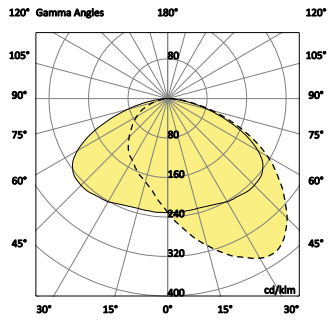
Lens: Prismatic

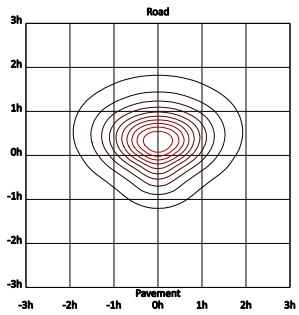




Optic: T3 medium

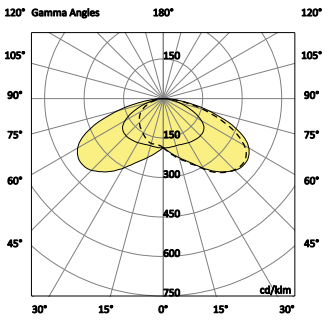
Lens: Prismatic

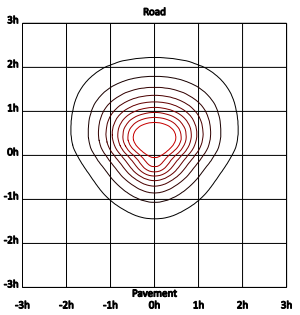




Optic: T4 wide

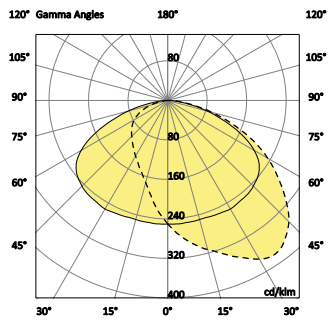
Lens: Prismatic

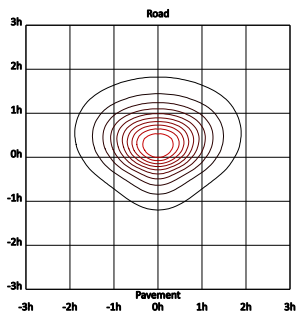




Optic: T4 medium

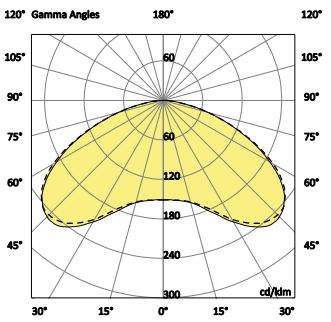
Lens: Prismatic

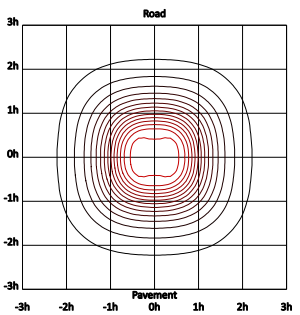




Optic: T5 square medium

Lens: Prismatic





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Optic: T1 short — **Lens:** Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
2500 lm	2700 K	20.7	121	16	396	17.2	145	1	0	1
2500 lm	3000 K	19.6	128	16	376	16.3	153	1	0	1
2500 lm	4000 K	18.6	134	16	356	15.4	162	1	0	1
3500 lm	2700 K	29.7	118	16	568	25.1	139	2	0	1
3500 lm	3000 K	28.1	125	16	538	23.7	148	2	0	1
3500 lm	4000 K	26.7	131	16	510	22.4	156	2	0	1
4500 lm	2700 K	39.3	115	16	748	33.6	134	2	0	1
4500 lm	3000 K	37.2	121	16	708	31.7	142	2	0	1
4500 lm	4000 K	35.2	128	16	670	29.9	151	2	0	1
6000 lm	2700 K	51.6	116	24	656	43.9	137	2	0	2
6000 lm	3000 K	49	122	24	622	41.5	145	2	0	2
6000 lm	4000 K	46.3	130	24	588	39.1	153	2	0	2
7500 lm	4000 K	56.7	132	32	548	48.5	155	2	0	2

Optic: T2 medium — **Lens:** Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
2500 lm	2700 K	20.7	121	16	396	17.2	145	1	0	1
2500 lm	3000 K	19.6	128	16	376	16.3	153	1	0	1
2500 lm	4000 K	18.6	134	16	356	15.4	162	1	0	1
3500 lm	2700 K	29.7	118	16	568	25.1	139	1	0	1
3500 lm	3000 K	28.1	125	16	538	23.7	148	1	0	1
3500 lm	4000 K	26.7	131	16	510	22.4	156	1	0	1
4500 lm	2700 K	39.3	115	16	748	33.6	134	1	0	1
4500 lm	3000 K	37.2	121	16	708	31.7	142	1	0	1
4500 lm	4000 K	35.2	128	16	670	29.9	151	1	0	1
6000 lm	2700 K	51.6	116	24	656	43.9	137	1	0	1
6000 lm	3000 K	49	122	24	622	41.5	145	1	0	1
6000 lm	4000 K	46.3	130	24	588	39.1	153	1	0	1
7500 lm	4000 K	56.7	132	32	548	48.5	155	2	0	1

Optic: T3 narrow — **Lens:** Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
2500 lm	2700 K	20.7	121	16	396	17.2	145	1	0	1
2500 lm	3000 K	19.6	128	16	376	16.3	153	1	0	1
2500 lm	4000 K	18.6	134	16	356	15.4	162	1	0	1
3500 lm	2700 K	29.7	118	16	568	25.1	139	1	0	1
3500 lm	3000 K	28.1	125	16	538	23.7	148	1	0	1
3500 lm	4000 K	26.7	131	16	510	22.4	156	1	0	1
4500 lm	2700 K	39.3	115	16	748	33.6	134	1	0	1
4500 lm	3000 K	37.2	121	16	708	31.7	142	1	0	1
4500 lm	4000 K	35.2	128	16	670	29.9	151	1	0	1
6000 lm	2700 K	51.6	116	24	656	43.9	137	2	0	1
6000 lm	3000 K	49	122	24	622	41.5	145	2	0	1
6000 lm	4000 K	46.3	130	24	588	39.1	153	2	0	1
7500 lm	4000 K	56.7	132	32	548	48.5	155	2	0	1

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Optic: T2 narrow — **Lens:** Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
2500 lm	2700 K	20.7	121	16	396	17.2	145	1	0	1
2500 lm	3000 K	19.6	128	16	376	16.3	153	1	0	1
2500 lm	4000 K	18.6	134	16	356	15.4	162	1	0	1
3500 lm	2700 K	29.7	118	16	568	25.1	139	1	0	1
3500 lm	3000 K	28.1	125	16	538	23.7	148	1	0	1
3500 lm	4000 K	26.7	131	16	510	22.4	156	1	0	1
4500 lm	2700 K	39.3	115	16	748	33.6	134	1	0	1
4500 lm	3000 K	37.2	121	16	708	31.7	142	1	0	1
4500 lm	4000 K	35.2	128	16	670	29.9	151	1	0	1
6000 lm	2700 K	51.6	116	24	656	43.9	137	1	0	1
6000 lm	3000 K	49	122	24	622	41.5	145	1	0	1
6000 lm	4000 K	46.3	130	24	588	39.1	153	1	0	1
7500 lm	4000 K	56.7	132	32	548	48.5	155	2	0	2

Optic: T3 medium — **Lens:** Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
2500 lm	2700 K	20.7	121	16	396	17.2	145	1	0	1
2500 lm	3000 K	19.6	128	16	376	16.3	153	1	0	1
2500 lm	4000 K	18.6	134	16	356	15.4	162	1	0	1
3500 lm	2700 K	29.7	118	16	568	25.1	139	1	0	1
3500 lm	3000 K	28.1	125	16	538	23.7	148	1	0	1
3500 lm	4000 K	26.7	131	16	510	22.4	156	1	0	1
4500 lm	2700 K	39.3	115	16	748	33.6	134	1	0	1
4500 lm	3000 K	37.2	121	16	708	31.7	142	1	0	1
4500 lm	4000 K	35.2	128	16	670	29.9	151	1	0	1
6000 lm	2700 K	51.6	116	24	656	43.9	137	1	0	1
6000 lm	3000 K	49	122	24	622	41.5	145	1	0	1
6000 lm	4000 K	46.3	130	24	588	39.1	153	1	0	1
7500 lm	4000 K	56.7	132	32	548	48.5	155	2	0	2

Optic: T4 wide — **Lens:** Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
2500 lm	2700 K	20.7	121	16	396	17.2	145	1	0	1
2500 lm	3000 K	19.6	128	16	376	16.3	153	1	0	1
2500 lm	4000 K	18.6	134	16	356	15.4	162	1	0	1
3500 lm	2700 K	29.7	118	16	568	25.1	139	1	0	1
3500 lm	3000 K	28.1	125	16	538	23.7	148	1	0	1
3500 lm	4000 K	26.7	131	16	510	22.4	156	1	0	1
4500 lm	2700 K	39.3	115	16	748	33.6	134	1	0	1
4500 lm	3000 K	37.2	121	16	708	31.7	142	1	0	1
4500 lm	4000 K	35.2	128	16	670	29.9	151	1	0	1
6000 lm	2700 K	51.6	116	24	656	43.9	137	1	0	2
6000 lm	3000 K	49	122	24	622	41.5	145	1	0	2
6000 lm	4000 K	46.3	130	24	588	39.1	153	1	0	2
7500 lm	4000 K	56.7	132	32	548	48.5	155	2	0	2

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Optic: T4 medium — **Lens:** Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
2500 lm	2700 K	20.7	121	16	396	17.2	145	1	0	1
2500 lm	3000 K	19.6	128	16	376	16.3	153	1	0	1
2500 lm	4000 K	18.6	134	16	356	15.4	162	1	0	1
3500 lm	2700 K	29.7	118	16	568	25.1	139	1	0	1
3500 lm	3000 K	28.1	125	16	538	23.7	148	1	0	1
3500 lm	4000 K	26.7	131	16	510	22.4	156	1	0	1
4500 lm	2700 K	39.3	115	16	748	33.6	134	1	0	1
4500 lm	3000 K	37.2	121	16	708	31.7	142	1	0	1
4500 lm	4000 K	35.2	128	16	670	29.9	151	1	0	1
6000 lm	2700 K	51.6	116	24	656	43.9	137	1	0	1
6000 lm	3000 K	49	122	24	622	41.5	145	1	0	1
6000 lm	4000 K	46.3	130	24	588	39.1	153	1	0	1
7500 lm	4000 K	56.7	132	32	548	48.5	155	2	0	2

Optic: T5 square medium — **Lens:** Prismatic

System					Source			BUG		
Luminous Flux	**Nominal CCT**	**W**	**lm/W**	**n° led**	**mA**	**W**	**lm/W**	**Backlight**	**Uplight**	**Glare**
2500 lm	2700 K	20.7	121	16	396	17.2	145	1	0	1
2500 lm	3000 K	19.6	128	16	376	16.3	153	1	0	1
2500 lm	4000 K	18.6	134	16	356	15.4	162	1	0	1
3500 lm	2700 K	29.7	118	16	568	25.1	139	1	0	1
3500 lm	3000 K	28.1	125	16	538	23.7	148	1	0	1
3500 lm	4000 K	26.7	131	16	510	22.4	156	1	0	1
4500 lm	2700 K	39.3	115	16	748	33.6	134	2	0	1
4500 lm	3000 K	37.2	121	16	708	31.7	142	2	0	1
4500 lm	4000 K	35.2	128	16	670	29.9	151	2	0	1
6000 lm	2700 K	51.6	116	24	656	43.9	137	2	0	1
6000 lm	3000 K	49	122	24	622	41.5	145	2	0	1
6000 lm	4000 K	46.3	130	24	588	39.1	153	2	0	1
7500 lm	4000 K	56.7	132	32	548	48.5	155	2	0	1

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