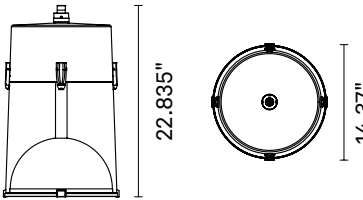


Chara | Luminaire



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.

Chara | Luminaire

SOURCE

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

LIGHTING CHARACTERISTICS

Modular 2x2 refractive lenses in PMMA.	T1 short, T2 medium, T3 narrow,
Optics	T2 narrow, T3 medium, T4 wide,
	T4 medium, T5 square medium
	LOR = 100% ULOR = 0%
Optical efficiency	16, 24, 32
LED quantity	Semi Cutoff C = 0, 60° γ = 42, 52°
Cutoff Angle	2500-7500 lm
Luminous flux	115-134 lm/W
Luminous efficacy	B=1-2, U=0, G=1-2
BUG	RG1 - Low risk
Photobiological safety	

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.

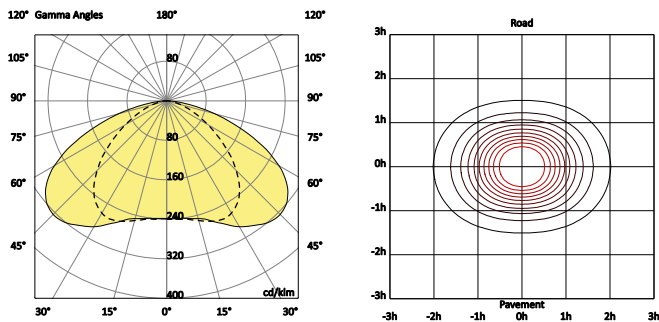
WARNINGS

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.

Chara | Luminaire

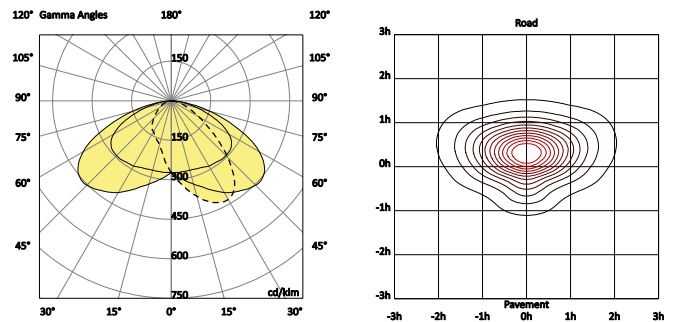
Optic: T1 short

Lens: Prismatic



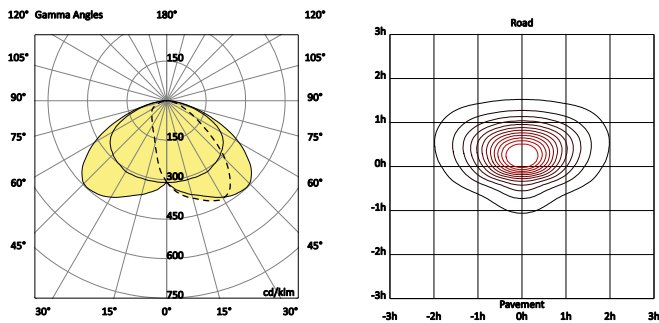
Optic: T2 medium

Lens: Prismatic



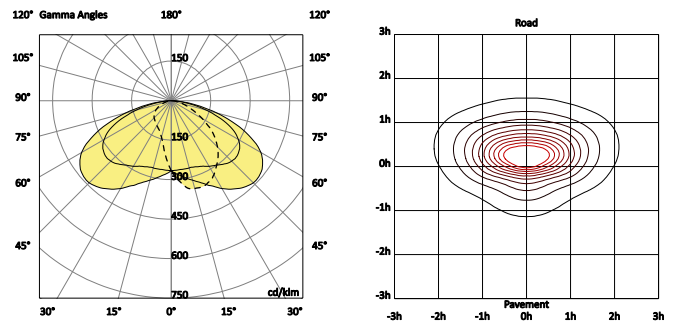
Optic: T3 narrow

Lens: Prismatic



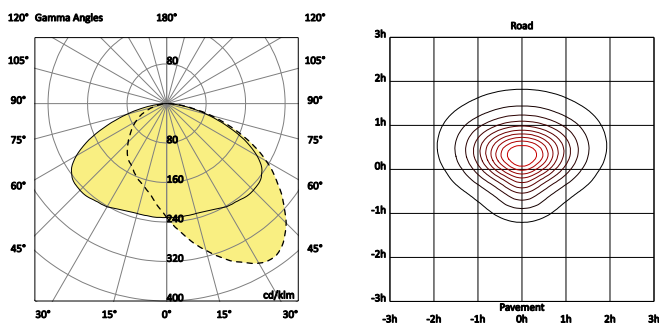
Optic: T2 narrow

Lens: Prismatic



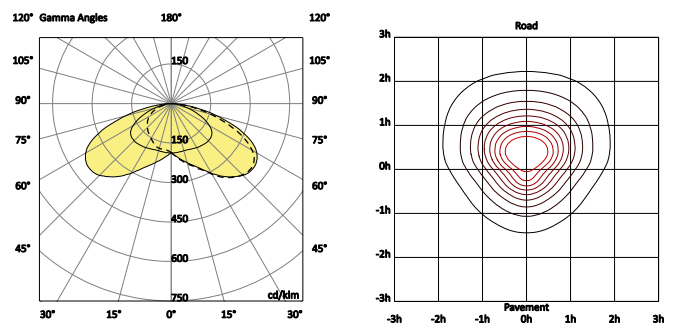
Optic: T3 medium

Lens: Prismatic



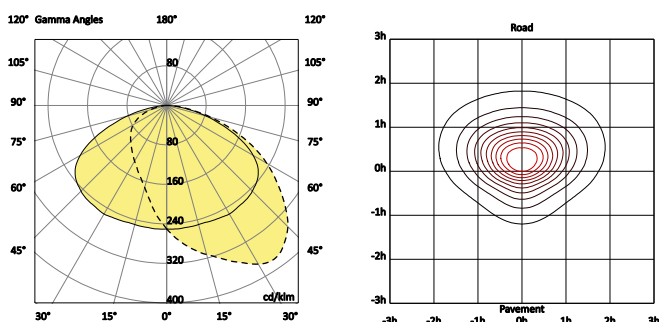
Optic: T4 wide

Lens: Prismatic



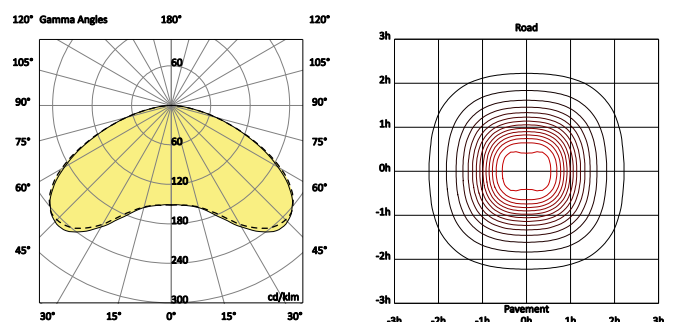
Optic: T4 medium

Lens: Prismatic



Optic: T5 square medium

Lens: Prismatic



Chara | Luminaire

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

Chara | Luminaire

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

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

Chara | Luminaire

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

Chara | Luminaire

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