

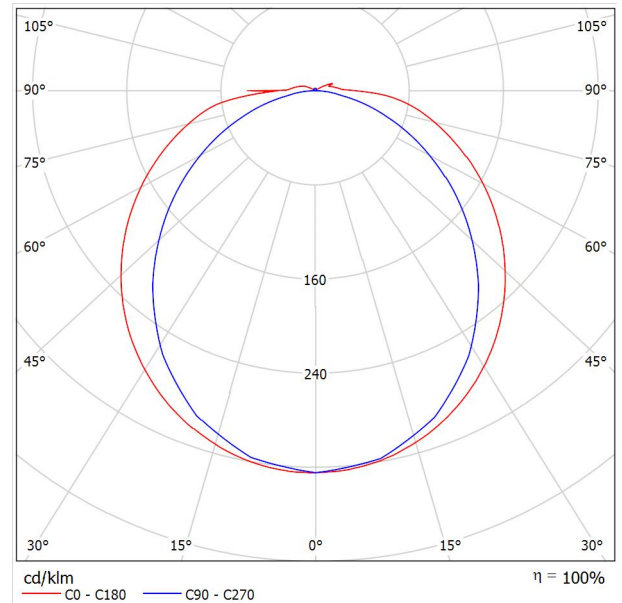
Oxygen Plant

UNICEF

Date: 21.11.2023

EAE 3107308 LINA ETANJ V.3 / Luminaire Data Sheet

Luminous emittance 1:

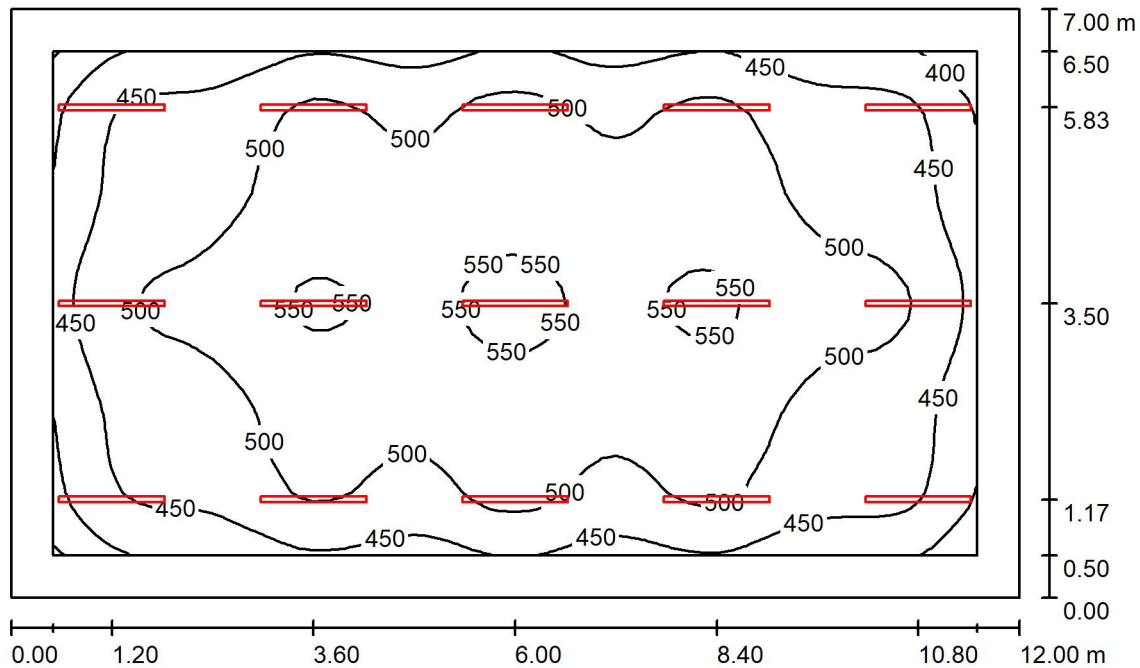


Luminaire classification according to CIE: 95
CIE flux code: 45 75 92 95 100

Lina Etanj V.3 is a reliable lighting solution in car parks, warehouses and waterproof required spaces with its high IP protective housing. When compared to traditional lighting systems, the product that provides long useful life and maximum energy savings has easy to install and maintain possibility requiring no tools in spaces that are hard to access and maintain.
Housing: Aluminium extrusion housing
Diffuser: Glare controlled opal diffuser
Light Source: Mid Power LED
Power: 10 W / 19 W / 23 W / 31 W / 38 W / 56 W / 72 W
Input Voltage: 220-240V AC 50/60 Hz
IP: IP64
CRI: >80
Installation: Surface mounted

Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

Room 1 / Summary



Height of Room: 3.000 m, Mounting Height: 3.000 m, Maintenance factor: 0.80

Values in Lux, Scale 1:90

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	491	347	566	0.708
Floor	20	416	245	504	0.590
Ceiling	70	134	104	228	0.779
Walls (4)	50	281	151	412	/

Workplane:

Height: 0.750 m
Grid: 64 x 32 Points
Boundary Zone: 0.500 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.605, Ceiling / Working Plane: 0.273.
Proportion of points with less than 400 lx (for IEQ-7): 2.00%.

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	15	EAE 3107308 LINA ETANJ V.3 (Type 1)* (1.000)	3954	3954	31.0
Total:			59310	59310	465.0

*Modified Technical Specifications

Specific connected load: $5.54 \text{ W/m}^2 = 1.13 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 84.00 m^2)

Room 1 / Input Protocol

Height of working plane: 0.750 m
Boundary Zone: 0.500 m

Maintenance factor: 0.80

Height of Room: 3.000 m
Ground area: 84.00 m²

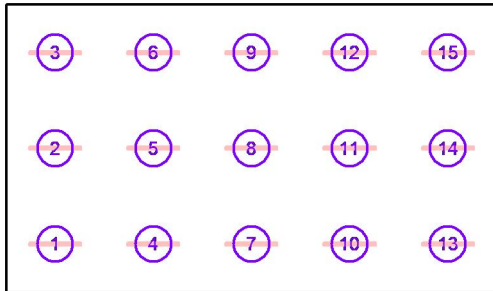


Surface	Rho [%]	from ([m] [m])	towards ([m] [m])	Length [m]
Floor	20	/	/	/
Ceiling	70	/	/	/
Wall 1	50	(0.000 0.000)	(12.000 0.000)	12.000
Wall 2	50	(12.000 0.000)	(12.000 7.000)	7.000
Wall 3	50	(12.000 7.000)	(0.000 7.000)	12.000
Wall 4	50	(0.000 7.000)	(0.000 0.000)	7.000

Room 1 / Luminaires (coordinates list)

EAE 3107308 LINA ETANJ V.3 (Type 1)

3954 lm, 31.0 W, 1 x 1 x User defined (Correction Factor 1.000).



No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	1.200	1.170	3.000	0.0	0.0	90.0
2	1.200	3.500	3.000	0.0	0.0	90.0
3	1.200	5.830	3.000	0.0	0.0	90.0
4	3.600	1.170	3.000	0.0	0.0	90.0
5	3.600	3.500	3.000	0.0	0.0	90.0
6	3.600	5.830	3.000	0.0	0.0	90.0
7	6.000	1.170	3.000	0.0	0.0	90.0
8	6.000	3.500	3.000	0.0	0.0	90.0
9	6.000	5.830	3.000	0.0	0.0	90.0
10	8.400	1.170	3.000	0.0	0.0	90.0
11	8.400	3.500	3.000	0.0	0.0	90.0
12	8.400	5.830	3.000	0.0	0.0	90.0
13	10.800	1.170	3.000	0.0	0.0	90.0
14	10.800	3.500	3.000	0.0	0.0	90.0
15	10.800	5.830	3.000	0.0	0.0	90.0