DIALux
24.05.2022

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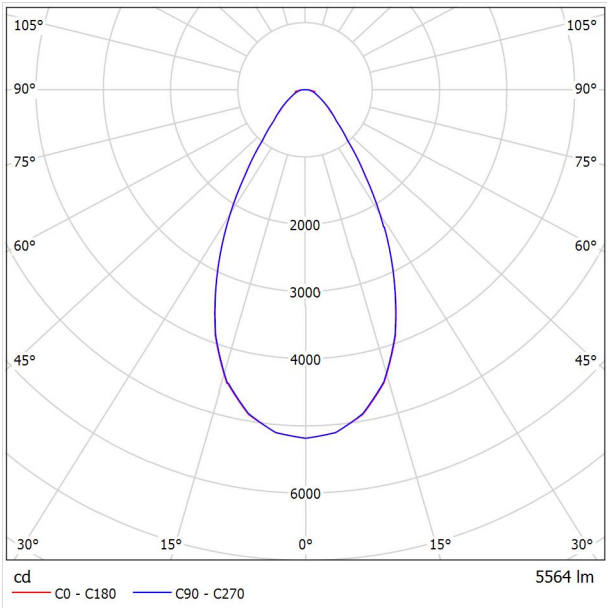
ELBA 0723 POWER-FLEX-03 12 LED/250 840 60 5591LM / Luminaire Data Sheet

Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 79 92 97 100 100

POWER-FLEX LED
LED, 230V/50Hz, IP66, IK08, CE, ROHS, DEEE

Industrial high bay and large areas projector. Indoor/outdoor projector.

Indoor and outdoor general lighting for: rooms or areas with high height (10-14m/ till 25-30m), industrial plants, warehouses, sport areas, commercial spaces, petrol stations, tunnels etc..
Aluminium profile body. Metallic frame, made of steel sheet, in welded construction, painted with epoxy-polyestheric powder. Mounting frame with index. Optical system made of sealed LED modules, with index 10°, 20° and with specific light distribution. Mounting: on surface with fixed frame and screws 2xM8, 1xM12. The mounting frame is included in the product. On request: Suspended with Gripple steel cable. Gear (LED driver) included in the product and manufactured according to the specific standards.
Standards: EN 60598-1, EN 60598-2-1, EN 60598-2-5.

Luminous emittance 1:

Glare Evaluation According to UGR

ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X	Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	23.6	24.5	23.8	24.7	24.9	23.4	24.3	23.7	24.5	24.7
	3H	24.3	25.2	24.6	25.4	25.6	24.0	24.8	24.3	25.1	25.3
	4H	24.8	25.6	25.2	25.9	26.1	24.3	25.1	24.6	25.4	25.6
	6H	25.7	26.4	26.0	26.7	27.0	24.7	25.4	25.0	25.7	26.0
	8H	26.1	26.8	26.4	27.1	27.4	24.8	25.5	25.1	25.8	26.1
	12H	26.4	27.0	26.7	27.4	27.7	24.9	25.6	25.3	25.9	26.2
4H	2H	23.7	24.5	24.0	24.8	25.0	23.6	24.4	23.9	24.6	24.9
	3H	24.7	25.4	25.1	25.7	26.0	24.4	25.1	24.8	25.4	25.7
	4H	25.4	26.0	25.8	26.3	26.7	24.9	25.5	25.3	25.8	26.1
	6H	26.6	27.1	27.0	27.5	27.9	25.4	25.9	25.8	26.2	26.6
	8H	27.2	27.6	27.6	28.0	28.4	25.6	26.1	26.0	26.4	26.9
	12H	27.6	28.0	28.0	28.4	28.8	25.8	26.2	26.2	26.6	27.0
8H	4H	25.7	26.1	26.1	26.5	26.9	25.2	25.6	25.6	26.0	26.4
	6H	27.1	27.5	27.6	27.9	28.4	25.9	26.2	26.3	26.7	27.1
	8H	27.9	28.2	28.3	28.6	29.1	26.2	26.5	26.7	27.0	27.5
	12H	28.4	28.7	28.9	29.2	29.7	26.5	26.8	27.0	27.3	27.8
12H	4H	25.7	26.1	26.1	26.5	26.9	25.3	25.7	25.7	26.1	26.5
	6H	27.2	27.5	27.7	28.0	28.4	26.0	26.4	26.5	26.8	27.3
	8H	28.0	28.3	28.5	28.7	29.2	26.5	26.7	26.9	27.2	27.7

Variation of the observer position for the luminaire distances S

S = 1.0H	+0.5 / -0.4	+0.8 / -0.6
S = 1.5H	+1.2 / -0.6	+1.9 / -0.9
S = 2.0H	+2.2 / -0.9	+3.1 / -1.3
Standard table	BK06	BK04
Correction Summand	10.0	8.4

Corrected Glare Indices referring to 5564lm Total Luminous Flux

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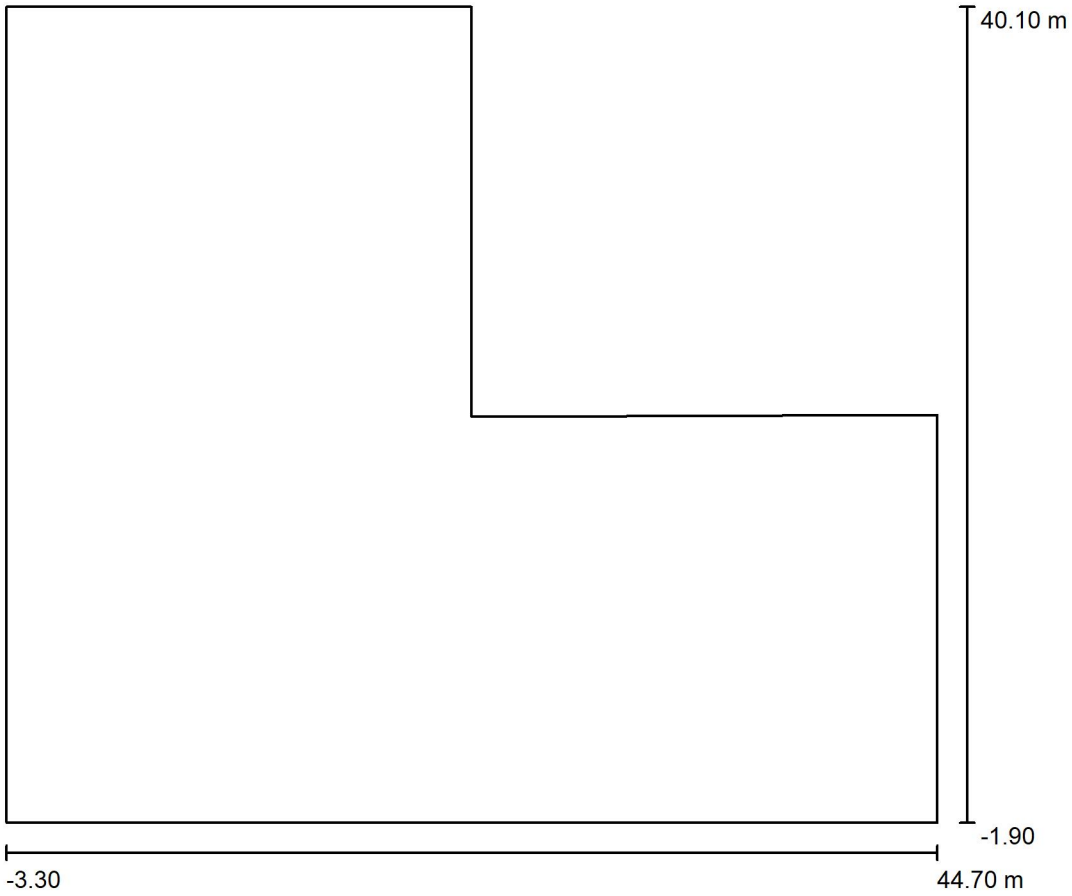
Exterior Scene 1 / Planning data



Light loss factor: 0.80, ULR (Upward Light Ratio): 0.5%

Scale 1:390

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	1	ELBA 0723 POWER-FLEX-03 12 LED/250 840 60 5591LM (1.000)	5564	5564	39.3
			Total: 5564	Total: 5564	39.3

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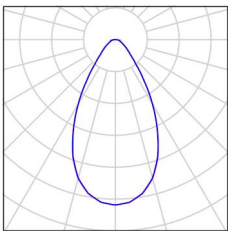
Exterior Scene 1 / Luminaire parts list

1 Pieces ELBA 0723 POWER-FLEX-03 12 LED/250 840 60 5591LM
Article No.: 0723
Luminous flux (Luminaire): 5564 lm
Luminous flux (Lamps): 5564 lm
Luminaire Wattage: 39.3 W
Luminaire classification according to CIE: 100
CIE flux code: 79 92 97 100 100
Fitting: 1 x LED 4000K 80CRI (Correction Factor 1.000).



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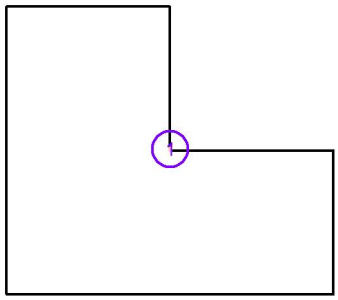
Exterior Scene 1 / Luminaires (coordinates list)

ELBA 0723 POWER-FLEX-03 12 LED/250 840 60 5591LM

5564 lm, 39.3 W, 1 x 1 x LED 4000K 80CRI (Correction Factor 1.000).



No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	20.800	19.300	3.785	0.0	0.0	90.0

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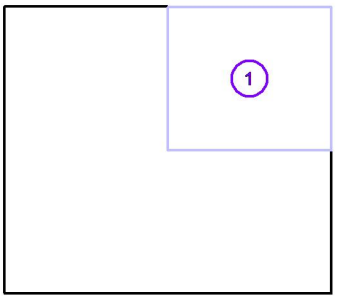
Exterior Scene 1 / Objects (coordinates lists)

closed



No.	Position [m]			Size [m]			Rotation [°]		
	X	Y	Z	L	W	H	X	Y	Z
1	20.700	19.000	0.000	24.000	21.000	6.200	0.0	0.0	0.0

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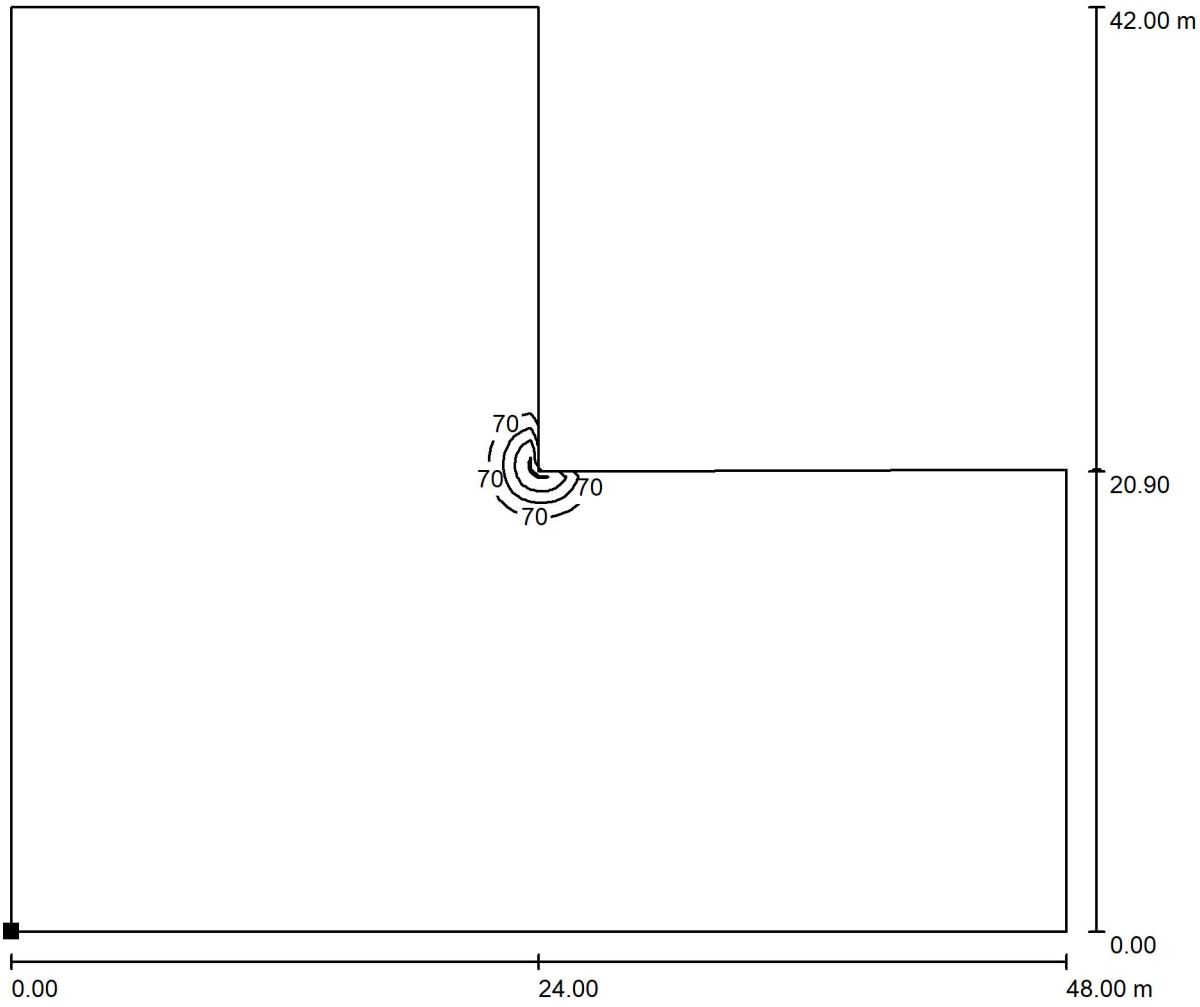
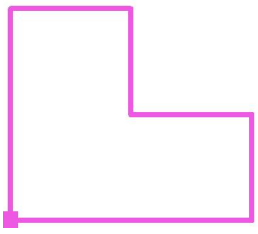
Exterior Scene 1 / Ground Element 1 / Surface 1 / Isolines (E)



Values in Lux, Scale 1 : 344

Position of surface in external scene:
Marked point:
(-3.300 m, -1.900 m, 0.000 m)



Grid: 128 x 128 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
2.20	0.01	308	0.006	0.000