

Cálculo Luminotécnico da Orla de Atlântida

Cálculo Luminotécnico da Orla de Atlântida - Iluminação das Dunas - Poste de 15m com inclinação de 25° em relação ao eixo vertical. Luminárias ENDO, simulando uma luminária LEDSTAR de 400W, com ângulo de abertura de 30°. Luminária com uma inclinação de 100° em relação ao eixo horizontal. Distância entre postes de 31m.

Partner for Contact: BASE 1

Order No.:

Company:

Customer No.: Prefeitura Municipal de Xangri-Lá

Date: 26.02.2020

Operator: Bruno Viegas da Silveira

Base1

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Cálculo Luminotécnico da Orla de Atlântida

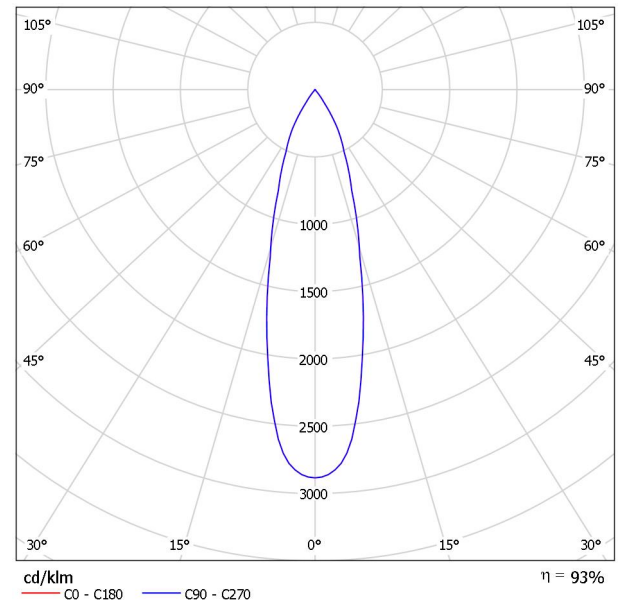
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ENDO ERS4099S Spot Light / Luminaire Data Sheet

Luminous emittance 1:



Luminaire classification according to CIE: 100
 CIE flux code: 100 100 100 100 93

ERS4099S

Luminous emittance 1:

Glare Evaluation According to UGR

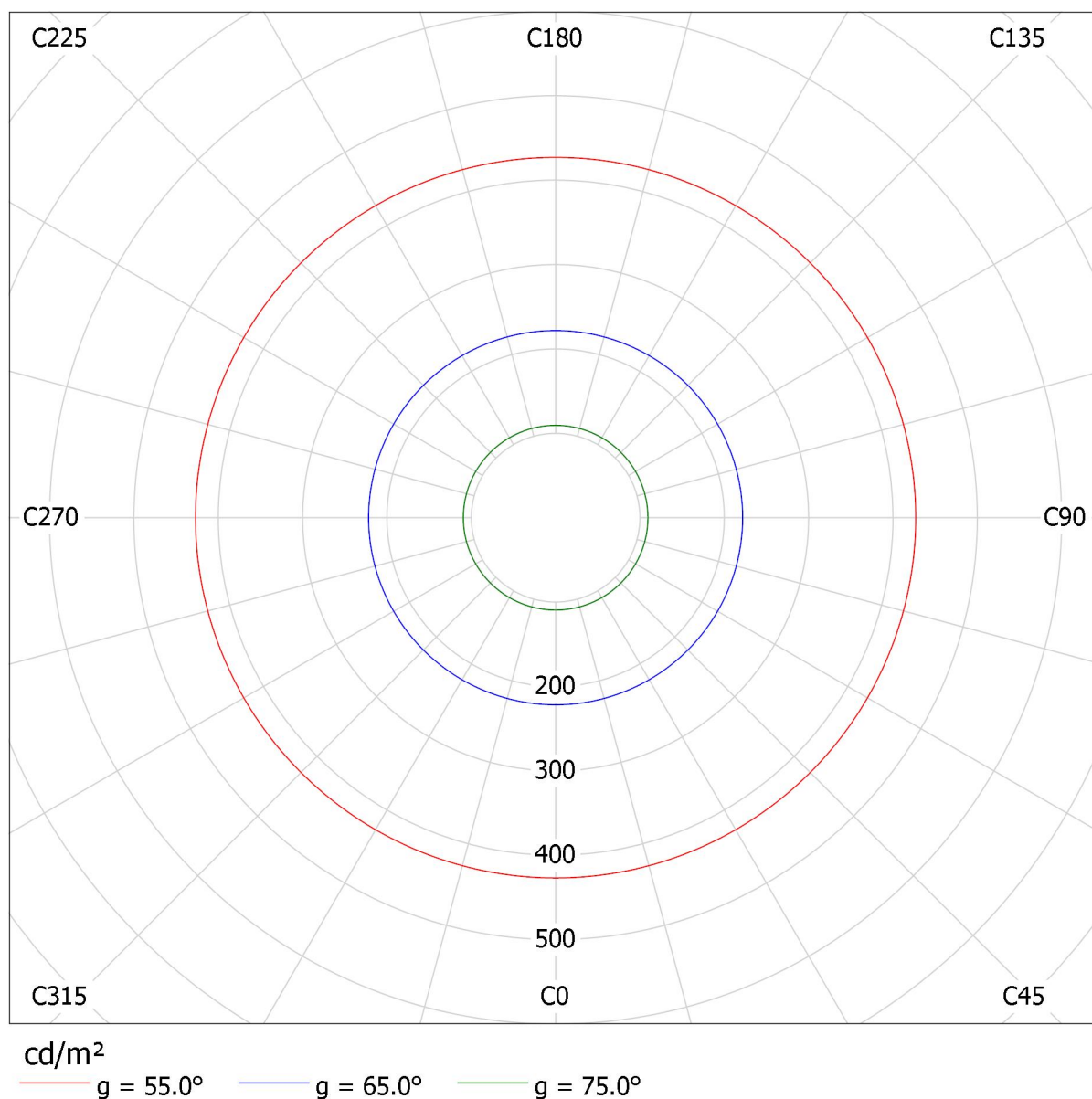
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-7.9	-7.2	-7.6	-7.1	-6.9	-7.9	-7.2	-7.6	-7.1	-6.9
	3H	-7.3	-6.8	-7.0	-6.5	-6.3	-7.3	-6.8	-7.0	-6.5	-6.3
	4H	-7.2	-6.7	-6.9	-6.4	-6.2	-7.2	-6.7	-6.9	-6.4	-6.2
	6H	-7.2	-6.7	-6.9	-6.4	-6.2	-7.2	-6.7	-6.9	-6.4	-6.2
	8H	-7.2	-6.7	-6.9	-6.5	-6.2	-7.2	-6.7	-6.9	-6.5	-6.2
4H	12H	-7.3	-6.8	-6.9	-6.5	-6.2	-7.3	-6.8	-6.9	-6.5	-6.2
	2H	-7.7	-7.2	-7.4	-6.9	-6.7	-7.7	-7.2	-7.4	-6.9	-6.7
	3H	-7.0	-6.6	-6.7	-6.3	-6.0	-7.0	-6.6	-6.7	-6.3	-6.0
	4H	-6.9	-6.5	-6.5	-6.2	-5.8	-6.9	-6.5	-6.5	-6.2	-5.8
	6H	-6.8	-6.5	-6.4	-6.2	-5.8	-6.8	-6.5	-6.4	-6.2	-5.8
8H	8H	-6.8	-6.6	-6.4	-6.2	-5.8	-6.8	-6.6	-6.4	-6.2	-5.8
	12H	-6.9	-6.6	-6.4	-6.2	-5.8	-6.9	-6.6	-6.4	-6.2	-5.8
	4H	-6.9	-6.6	-6.5	-6.2	-5.8	-6.9	-6.6	-6.5	-6.2	-5.8
	6H	-6.8	-6.6	-6.4	-6.2	-5.8	-6.8	-6.6	-6.4	-6.2	-5.8
	8H	-6.8	-6.7	-6.4	-6.2	-5.7	-6.8	-6.7	-6.4	-6.2	-5.7
12H	12H	-6.9	-6.7	-6.4	-6.3	-5.8	-6.9	-6.7	-6.4	-6.3	-5.8
	4H	-6.9	-6.7	-6.5	-6.3	-5.9	-6.9	-6.7	-6.5	-6.3	-5.9
	6H	-6.9	-6.7	-6.4	-6.2	-5.8	-6.9	-6.7	-6.4	-6.2	-5.8
	8H	-6.9	-6.7	-6.4	-6.3	-5.8	-6.9	-6.7	-6.4	-6.3	-5.8
Variation of the observer position for the luminaire distances S											
S = 1.0H		+6.6 / -17.7					+6.6 / -17.7				
S = 1.5H		+9.4 / -19.3					+9.4 / -19.3				
S = 2.0H		+11.4 / -20.5					+11.4 / -20.5				
Standard table		BK00					BK00				
Correction Summand		-19.8					-19.8				
Corrected Glare Indices referring to 40541lm Total Luminous Flux											

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ENDO ERS4099S Spot Light / Luminance Diagram

Luminaire: ENDO ERS4099S Spot Light
Lamps: 1 x CMS370750M



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ENDO ERS4099S Spot Light / Luminous intensity table

Luminaire: ENDO ERS4099S Spot Light
Lamps: 1 x CMS370750M

Gamma	C 0°
0.0°	2883
5.0°	2711
10.0°	2022
15.0°	1285
20.0°	796
25.0°	512
30.0°	335
35.0°	114
40.0°	7.87
45.0°	3.89
50.0°	2.33
55.0°	1.45
60.0°	0.91
65.0°	0.55
70.0°	0.32
75.0°	0.17
80.0°	0.07
85.0°	0.01
90.0°	0.00

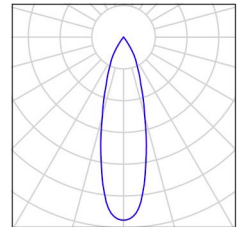
Values in cd/klm

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Exterior Scene 1 / Luminaire parts list

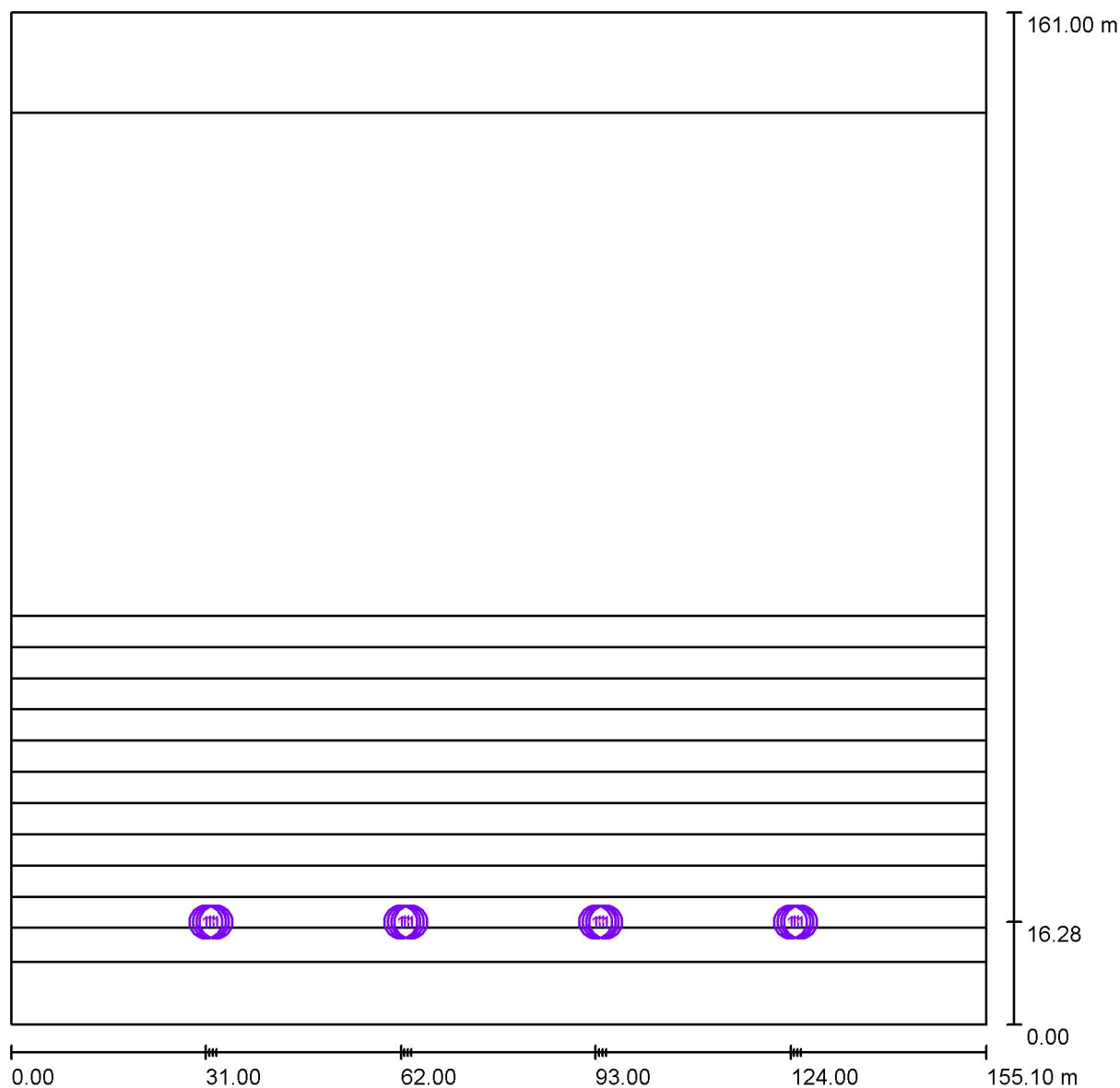
16 Pieces ENDO ERS4099S Spot Light (Type 1)
Article No.: ERS4099S
Luminous flux (Luminaire): 43810 lm
Luminous flux (Lamps): 47200 lm
Luminaire Wattage: 400.0 W
Luminaire classification according to CIE: 100
CIE flux code: 100 100 100 100 93
Fitting: 1 x User defined (Correction Factor 1.000).



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Exterior Scene 1 / Luminaires (layout plan)



Scale 1 : 1109

Luminaire Parts List

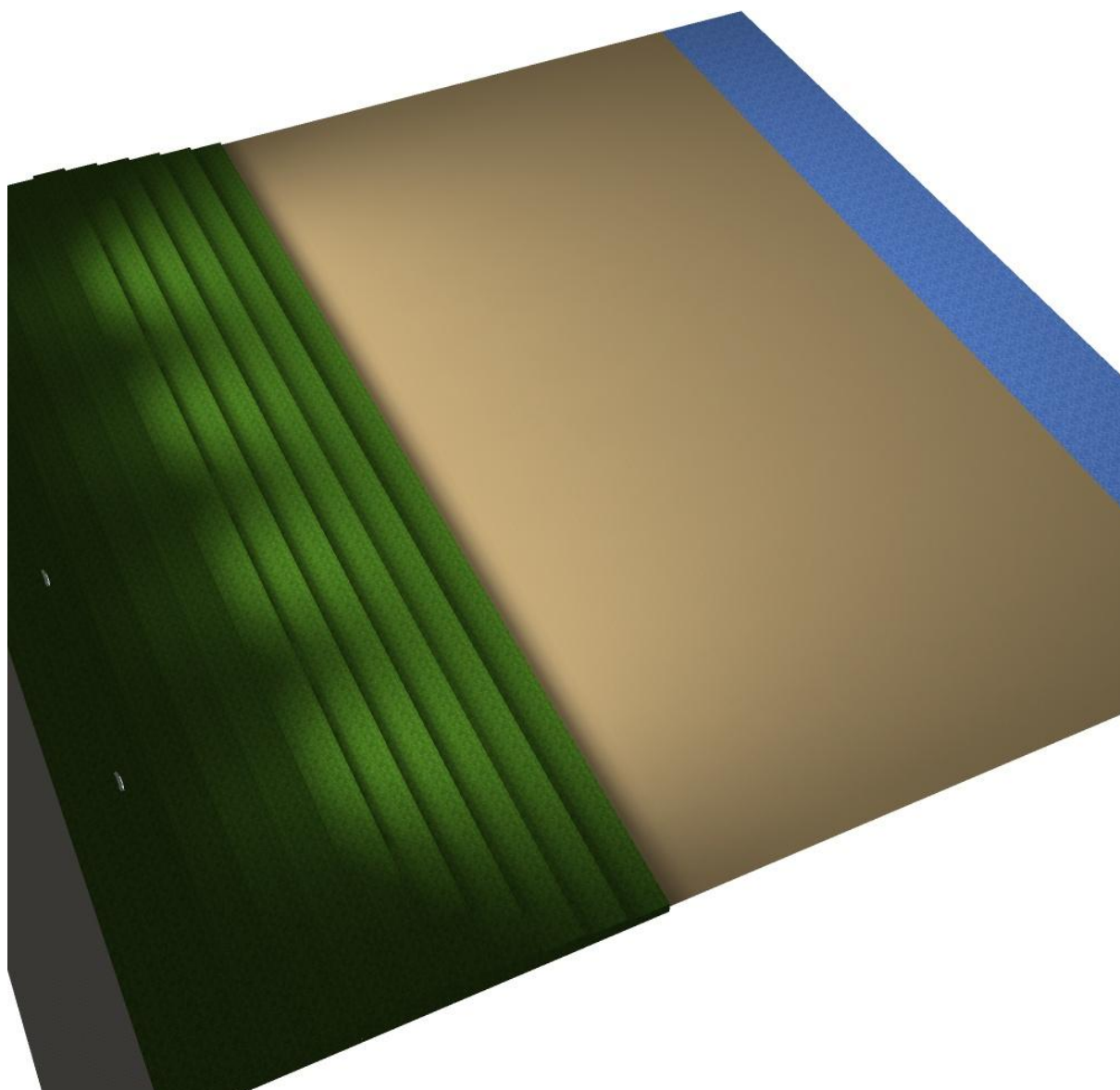
No.	Pieces	Designation
1	16	ENDO ERS4099S Spot Light (Type 1)*

*Modified Technical Specifications

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Exterior Scene 1 / 3D Rendering



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Exterior Scene 1 / False Colour Rendering

