

Photometric test report

Family
Licross® Spot 31

Order number: **51SL63DA45B**
EAN: **4058352865576**

LP number
59382_30



Version reflector, cover, polycarbonate, medium distribution, luminaire housing, aluminium, silver

Lamps LED 4000 K | CRI ≥ 90

Controlgear ECG-DALI

Setting factory setting: DIP-Step=7

Rated values Net luminous flux = 5190 lm
Power consumption = 43.9 W
Luminous efficacy = 118.2 lm/W

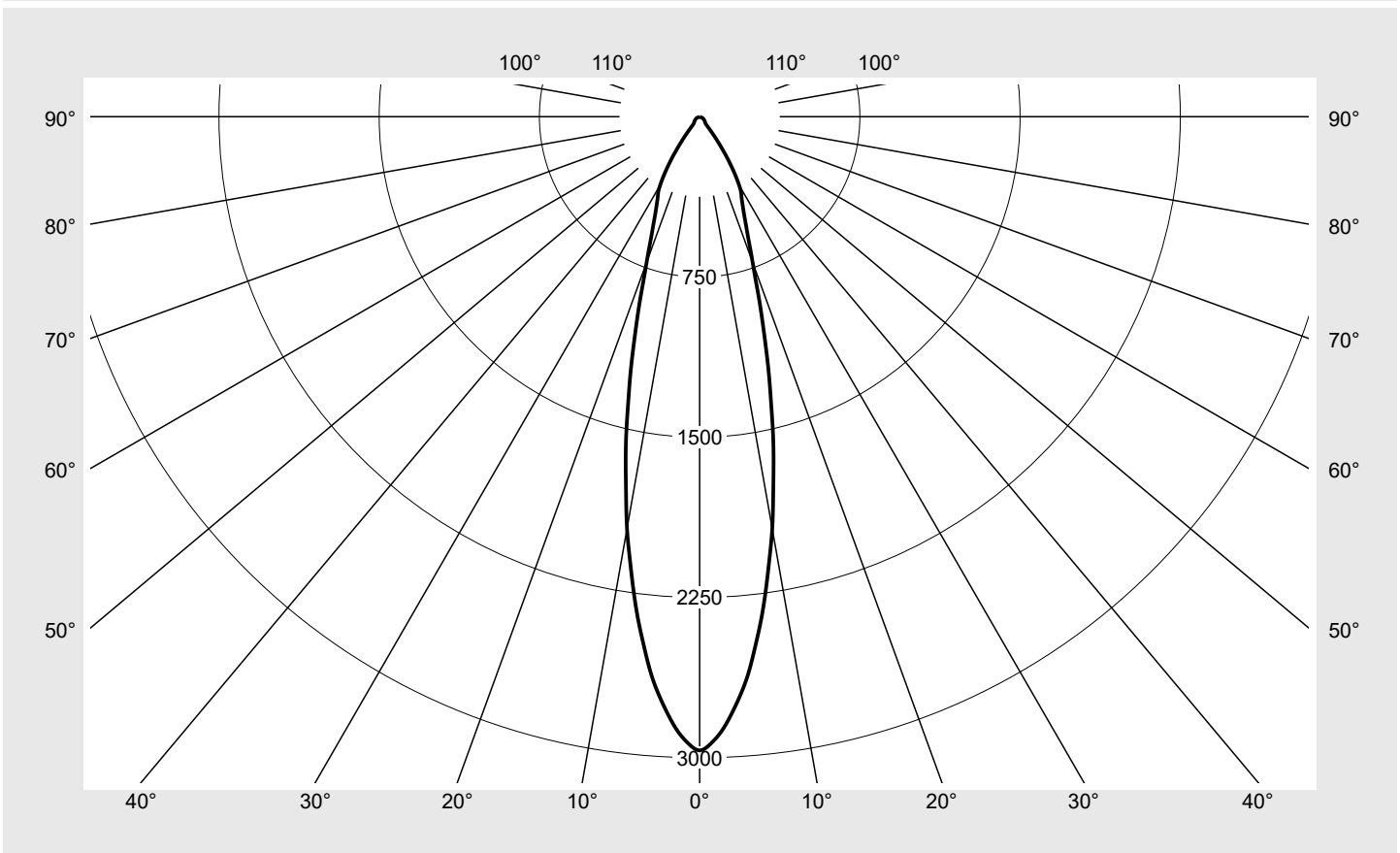
serial
documentation
12.07.2023

sitEco

Luminous intensity in cd/klm

C180-0

Imax: 2966 cd/klm



Classifications

DIN 5040 A 7 0
CIE N1=92 N2=97 N3=99
N4=100 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 100.0%
 ϕ_o 0.0%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
0°	2966.0	0.7	0.7
1°	2935.3	5.6	6.3
2°	2880.8	11.0	17.4
3°	2803.7	16.1	33.4
4°	2715.9	20.8	54.2
5°	2615.6	25.0	79.2
6°	2492.2	28.6	107.8
7°	2367.9	31.6	139.4
8°	2231.3	34.1	173.5
9°	2091.5	35.9	209.4
10°	1957.8	37.3	246.6
11°	1804.9	37.8	284.4
12°	1664.3	37.9	322.4
13°	1528.2	37.7	360.1
14°	1383.5	36.7	396.8
15°	1255.3	35.6	432.4
16°	1127.0	34.1	466.5
17°	1009.5	32.4	498.8
18°	903.9	30.6	529.4
19°	802.9	28.7	558.1
20°	726.0	27.2	585.3
21°	660.5	26.0	611.3
22°	603.1	24.8	636.1
23°	558.2	23.9	660.0
24°	518.6	23.1	683.1
25°	485.6	22.5	705.6
26°	458.6	22.0	727.7
27°	434.7	21.6	749.3
28°	416.1	21.4	770.7
29°	397.5	21.1	791.9
30°	368.6	20.2	812.1
31°	335.4	18.9	831.0
32°	298.6	17.4	848.4
33°	261.5	15.6	864.0
34°	225.0	13.8	877.8
35°	185.8	11.7	889.5
36°	149.8	9.7	899.1
37°	117.2	7.7	906.9
38°	85.2	5.8	912.6
39°	61.6	4.2	916.9
40°	45.9	3.2	920.1
41°	41.9	3.0	923.1
42°	40.0	2.9	926.1
43°	37.9	2.8	928.9
44°	37.0	2.8	931.7
45°	36.2	2.8	934.5
46°	35.1	2.8	937.3

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	33.8	2.7	940.0
48°	32.6	2.7	942.7
49°	31.6	2.6	945.3
50°	30.5	2.6	947.8
51°	29.3	2.5	950.3
52°	28.6	2.5	952.8
53°	27.2	2.4	955.2
54°	26.0	2.3	957.5
55°	25.2	2.3	959.7
56°	24.0	2.2	961.9
57°	22.7	2.1	964.0
58°	22.0	2.0	966.1
59°	20.9	2.0	968.0
60°	20.3	1.9	970.0
61°	19.0	1.8	971.8
62°	18.6	1.8	973.6
63°	17.5	1.7	975.3
64°	16.9	1.7	977.0
65°	16.1	1.6	978.6
66°	15.7	1.6	980.1
67°	14.9	1.5	981.6
68°	14.5	1.5	983.1
69°	13.8	1.4	984.5
70°	13.7	1.4	985.9
71°	12.9	1.3	987.3
72°	12.3	1.3	988.6
73°	11.8	1.2	989.8
74°	11.2	1.2	991.0
75°	10.5	1.1	992.1
76°	9.7	1.0	993.1
77°	8.3	0.9	994.0
78°	7.2	0.8	994.8
79°	6.7	0.7	995.5
80°	6.4	0.7	996.2
81°	5.7	0.6	996.8
82°	5.0	0.5	997.3
83°	4.7	0.5	997.9
84°	4.0	0.4	998.3
85°	3.5	0.4	998.7
86°	3.2	0.4	999.0
87°	2.7	0.3	999.3
88°	2.6	0.3	999.6
89°	2.4	0.3	999.9
90°	2.4	0.3	1000.1

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UGR-Table	Standard room	siteco
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	22.3	23.4	22.7	23.7	24.0	22.3	23.4	22.7	23.7	24.0
	3H	23.0	24.0	23.4	24.3	24.7	23.0	24.0	23.4	24.3	24.7
	4H	23.5	24.3	23.9	24.7	25.1	23.5	24.3	23.9	24.7	25.1
	6H	23.8	24.6	24.2	24.9	25.3	23.8	24.6	24.2	24.9	25.3
	8H	24.0	24.7	24.4	25.0	25.4	24.0	24.7	24.4	25.0	25.4
12H	24.1	24.7	24.6	25.1	25.5	24.1	24.7	24.6	25.1	25.5	
4H	2H	22.5	23.4	22.9	23.7	24.1	22.5	23.4	22.9	23.7	24.1
	3H	23.4	24.2	23.9	24.5	25.0	23.4	24.2	23.9	24.5	25.0
	4H	24.0	24.7	24.5	25.1	25.5	24.0	24.7	24.5	25.1	25.5
	6H	24.4	25.0	24.9	25.4	25.9	24.4	25.0	24.9	25.4	25.9
	8H	24.7	25.1	25.1	25.6	26.1	24.7	25.1	25.1	25.6	26.1
12H	24.8	25.2	25.3	25.7	26.2	24.8	25.2	25.3	25.7	26.2	
8H	4H	24.2	24.7	24.7	25.1	25.6	24.2	24.7	24.7	25.1	25.6
	6H	24.8	25.1	25.3	25.6	26.1	24.8	25.1	25.3	25.6	26.1
	8H	25.0	25.4	25.5	25.9	26.4	25.0	25.4	25.5	25.9	26.4
	12H	25.3	25.6	25.8	26.1	26.6	25.3	25.6	25.8	26.1	26.6
12H	4H	24.2	24.6	24.7	25.1	25.6	24.2	24.6	24.7	25.1	25.6
	6H	24.8	25.1	25.3	25.6	26.2	24.8	25.1	25.3	25.6	26.2
	8H	25.1	25.4	25.6	25.9	26.4	25.1	25.4	25.6	25.9	26.4

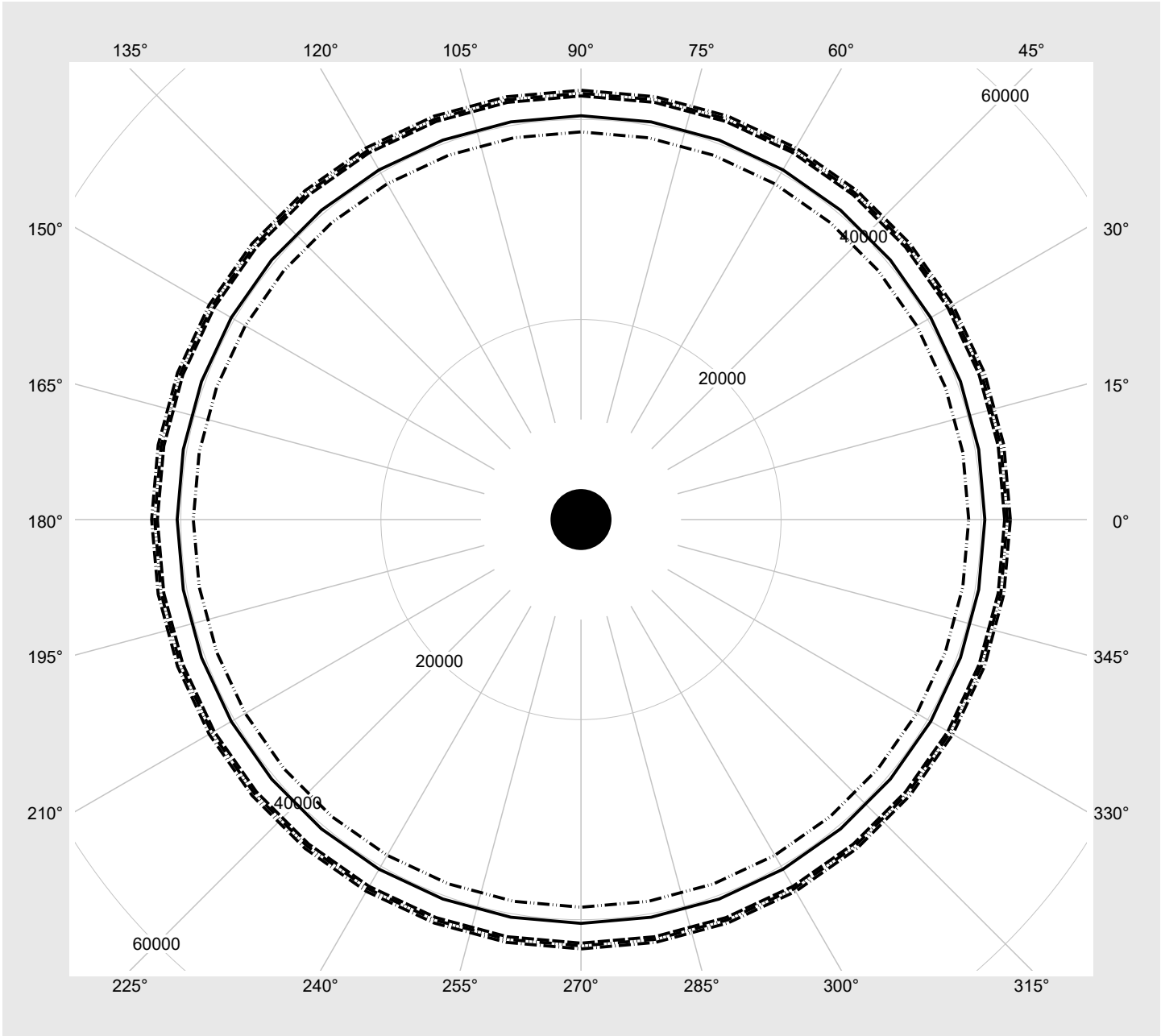
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 79
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C-planes	0°
γ	Luminance in cd/m²
45°	54182.0
50°	50171.5
55°	46476.8
60°	42998.8
65°	40369.3
70°	42347.3
75°	42922.5
80°	38755.8
85°	42617.4

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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Multilumen Table	environmental temperature: 25°C	
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	5190	43.9
6	OFF	ON	ON	4980	41.7
5	ON	OFF	ON	4780	39.5
4	OFF	OFF	ON	4540	37.3
3	ON	ON	OFF	4360	35.1
2	OFF	ON	OFF	4130	32.9
1	ON	OFF	OFF	3880	30.7
0	OFF	OFF	OFF	3680	28.6