

Photometric test report

Family
Licross® Spot 31

Order number: **51SL347A43B**
EAN: **4058352865156**

LP number
59383_16



Version reflector, cover, polycarbonate, wide distribution, luminaire housing, aluminium, black

Lamps LED 4000 K | CRI ≥ 90

Controlgear ECG Multilumen

Setting factory setting: DIP-Step=7

Rated values Net luminous flux = 3720 lm
Power consumption = 27.9 W
Luminous efficacy = 133.3 lm/W

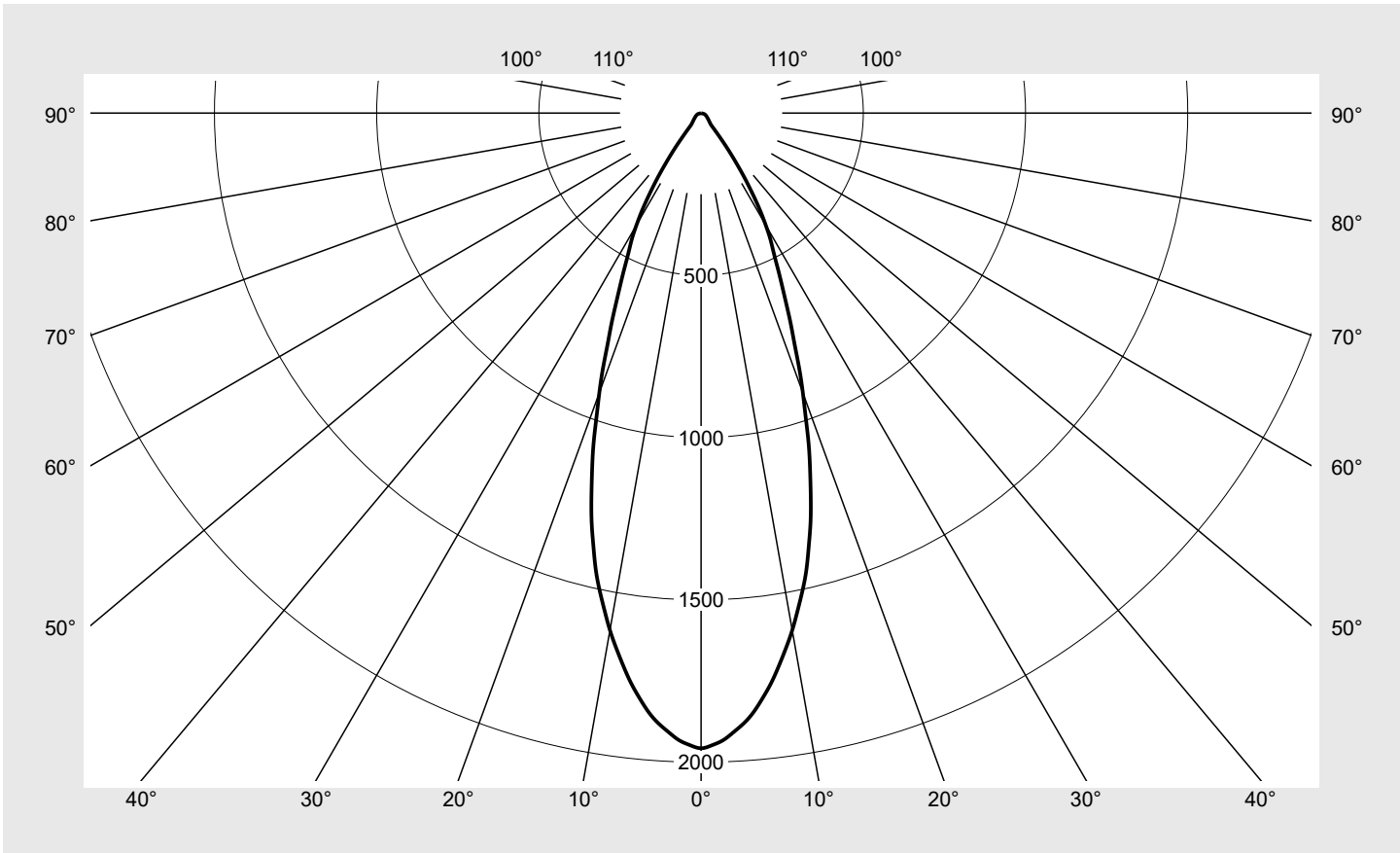
serial
documentation
12.07.2023

siteco

Luminous intensity in cd/klm

C180-0

Imax: 1957 cd/klm



Classifications

DIN 5040 A 7 0
CIE N1=93 N2=97 N3=100
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°	1957.2	0.5	0.5
1°	1947.9	3.7	4.2
2°	1933.7	7.4	11.6
3°	1910.2	11.0	22.6
4°	1885.0	14.4	37.0
5°	1853.1	17.7	54.7
6°	1812.8	20.8	75.5
7°	1769.9	23.7	99.1
8°	1720.6	26.3	125.4
9°	1670.0	28.6	154.0
10°	1618.0	30.8	184.8
11°	1560.5	32.7	217.5
12°	1503.8	34.3	251.8
13°	1443.5	35.6	287.4
14°	1372.9	36.4	323.8
15°	1303.8	37.0	360.8
16°	1226.3	37.1	397.9
17°	1149.0	36.8	434.7
18°	1073.5	36.4	471.1
19°	990.1	35.4	506.4
20°	917.2	34.4	540.8
21°	845.5	33.2	574.1
22°	770.3	31.6	605.7
23°	709.0	30.4	636.1
24°	648.2	28.9	665.0
25°	594.2	27.5	692.5
26°	547.0	26.3	718.8
27°	503.0	25.0	743.9
28°	468.0	24.1	768.0
29°	436.1	23.2	791.2
30°	397.9	21.8	813.0
31°	360.0	20.3	833.3
32°	318.2	18.5	851.8
33°	275.9	16.5	868.3
34°	236.3	14.5	882.8
35°	195.2	12.3	895.1
36°	158.3	10.2	905.3
37°	123.4	8.1	913.4
38°	90.3	6.1	919.5
39°	65.5	4.5	924.0
40°	49.4	3.5	927.5
41°	44.2	3.2	930.7
42°	41.5	3.0	933.7
43°	38.8	2.9	936.6
44°	37.0	2.8	939.4
45°	35.2	2.7	942.2
46°	33.5	2.6	944.8

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	31.9	2.6	947.4
48°	30.5	2.5	949.8
49°	29.1	2.4	952.3
50°	27.9	2.3	954.6
51°	26.6	2.3	956.9
52°	25.6	2.2	959.1
53°	24.6	2.2	961.2
54°	23.5	2.1	963.3
55°	22.7	2.0	965.4
56°	21.8	2.0	967.3
57°	21.0	1.9	969.3
58°	20.3	1.9	971.1
59°	19.5	1.8	973.0
60°	18.8	1.8	974.8
61°	18.2	1.7	976.5
62°	17.5	1.7	978.2
63°	16.9	1.7	979.9
64°	16.2	1.6	981.5
65°	15.6	1.6	983.0
66°	15.1	1.5	984.5
67°	14.5	1.5	986.0
68°	13.8	1.4	987.4
69°	13.2	1.3	988.7
70°	12.5	1.3	990.0
71°	11.9	1.2	991.3
72°	11.2	1.2	992.4
73°	10.5	1.1	993.5
74°	9.7	1.0	994.6
75°	8.8	0.9	995.5
76°	7.7	0.8	996.3
77°	6.2	0.7	997.0
78°	5.2	0.6	997.5
79°	4.6	0.5	998.0
80°	4.0	0.4	998.5
81°	3.5	0.4	998.8
82°	3.0	0.3	999.2
83°	2.4	0.3	999.4
84°	1.9	0.2	999.6
85°	1.5	0.2	999.8
86°	1.0	0.1	999.9
87°	0.6	0.1	1000.0
88°	0.2	0.0	1000.0
89°	0.1	0.0	1000.0
90°	0.1	0.0	1000.0

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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	21.2	22.3	21.5	22.6	22.9	21.2	22.3	21.5	22.6	22.9
	3H	21.8	22.8	22.2	23.1	23.5	21.8	22.8	22.2	23.1	23.5
	4H	22.1	23.0	22.5	23.4	23.7	22.1	23.0	22.5	23.4	23.7
	6H	22.3	23.1	22.7	23.4	23.8	22.3	23.1	22.7	23.4	23.8
	8H	22.4	23.0	22.8	23.4	23.8	22.4	23.0	22.8	23.4	23.8
	12H	22.4	23.0	22.8	23.4	23.8	22.4	23.0	22.8	23.4	23.8
4H	2H	21.3	22.2	21.7	22.6	22.9	21.3	22.2	21.7	22.6	22.9
	3H	22.1	22.9	22.6	23.3	23.7	22.1	22.9	22.6	23.3	23.7
	4H	22.6	23.2	23.0	23.6	24.1	22.6	23.2	23.0	23.6	24.1
	6H	22.8	23.3	23.2	23.8	24.2	22.8	23.3	23.2	23.8	24.2
	8H	22.8	23.3	23.3	23.8	24.2	22.8	23.3	23.3	23.8	24.2
	12H	22.9	23.3	23.4	23.7	24.2	22.9	23.3	23.4	23.7	24.2
8H	4H	22.7	23.2	23.2	23.6	24.1	22.7	23.2	23.2	23.6	24.1
	6H	22.9	23.3	23.4	23.8	24.3	22.9	23.3	23.4	23.8	24.3
	8H	23.0	23.3	23.5	23.8	24.4	23.0	23.3	23.5	23.8	24.4
	12H	23.0	23.3	23.6	23.8	24.4	23.0	23.3	23.6	23.8	24.4
12H	4H	22.7	23.1	23.2	23.5	24.0	22.7	23.1	23.2	23.5	24.0
	6H	22.9	23.2	23.5	23.7	24.3	22.9	23.2	23.5	23.7	24.3
	8H	23.0	23.3	23.5	23.8	24.3	23.0	23.3	23.5	23.8	24.3

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°	37736.6
50°	32897.2
55°	30030.1
60°	28553.8
65°	28093.0
70°	27796.8
75°	25859.6
80°	17495.0
85°	12687.1

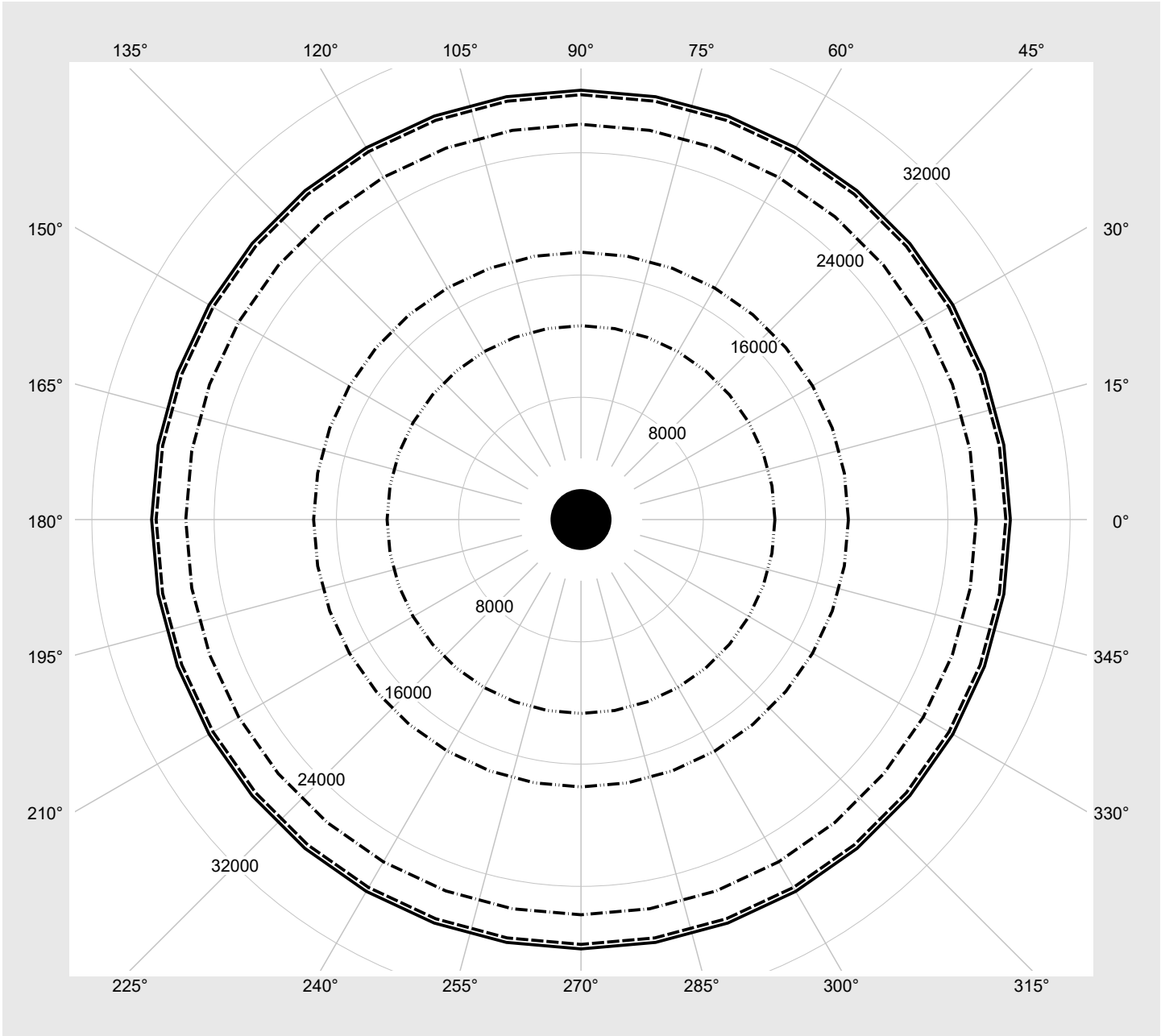
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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	3720	27.9
6	OFF	ON	ON	3500	25.7
5	ON	OFF	ON	3260	23.7
4	OFF	OFF	ON	3020	21.7
3	ON	ON	OFF	2780	19.9
2	OFF	ON	OFF	2500	18.3
1	ON	OFF	OFF	2240	16.9
0	OFF	OFF	OFF	1880	15.8