

Photometric test report

Family
Licross® Spot 31

Order number: 51SL137A35B
EAN: 4058352863565

LP number
59382_13



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

Lamps LED 3000 K | CRI ≥ 90

Controlgear ECG Multilumen

Setting factory setting: DIP-Step=7

Rated values Net luminous flux = 5030 lm
Power consumption = 42.5 W
Luminous efficacy = 118.4 lm/W

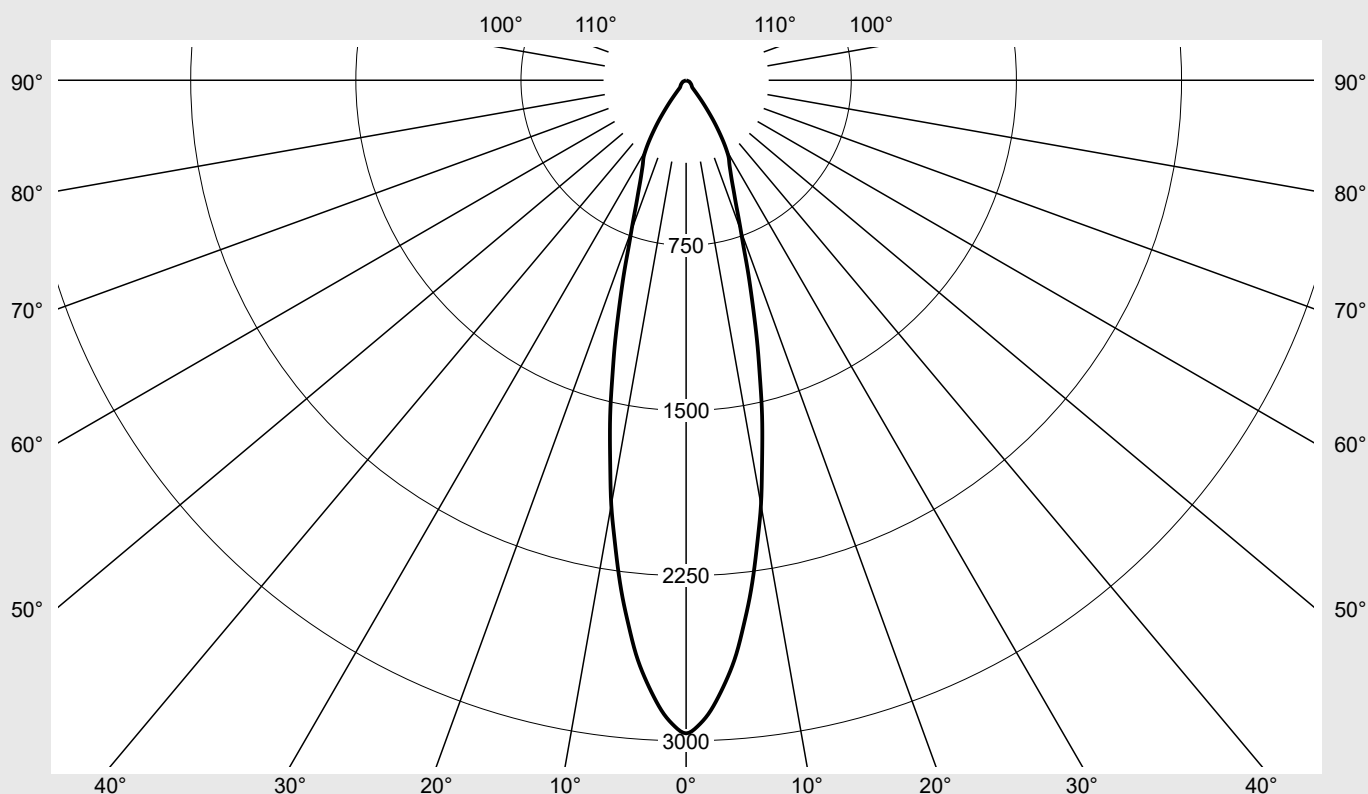
serial
documentation
12.07.2023

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
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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	
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	22.2	23.3	22.6	23.6	23.9	22.2	23.3	22.6	23.6	23.9	
	3H	22.9	23.9	23.3	24.2	24.6	22.9	23.9	23.3	24.2	24.6	
	4H	23.4	24.2	23.8	24.6	25.0	23.4	24.2	23.8	24.6	25.0	
	6H	23.7	24.5	24.1	24.8	25.2	23.7	24.5	24.1	24.8	25.2	
	8H	23.9	24.5	24.3	24.9	25.3	23.9	24.5	24.3	24.9	25.3	
	12H	24.0	24.6	24.5	25.0	25.4	24.0	24.6	24.5	25.0	25.4	
4H	2H	22.4	23.2	22.8	23.6	24.0	22.4	23.2	22.8	23.6	24.0	
	3H	23.3	24.0	23.8	24.4	24.9	23.3	24.0	23.8	24.4	24.9	
	4H	23.9	24.5	24.3	25.0	25.4	23.9	24.5	24.3	25.0	25.4	
	6H	24.3	24.9	24.8	25.3	25.8	24.3	24.9	24.8	25.3	25.8	
	8H	24.5	25.0	25.0	25.5	26.0	24.5	25.0	25.0	25.5	26.0	
	12H	24.7	25.1	25.2	25.6	26.1	24.7	25.1	25.2	25.6	26.1	
8H	4H	24.1	24.6	24.6	25.0	25.5	24.1	24.6	24.6	25.0	25.5	
	6H	24.7	25.0	25.2	25.5	26.0	24.7	25.0	25.2	25.5	26.0	
	8H	24.9	25.3	25.4	25.7	26.3	24.9	25.3	25.4	25.7	26.3	
	12H	25.2	25.5	25.7	26.0	26.5	25.2	25.5	25.7	26.0	26.5	
12H	4H	24.1	24.5	24.6	25.0	25.5	24.1	24.5	24.6	25.0	25.5	
	6H	24.7	25.0	25.2	25.5	26.0	24.7	25.0	25.2	25.5	26.0	
	8H	25.0	25.3	25.5	25.8	26.3	25.0	25.3	25.5	25.8	26.3	

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 79
C-planes		0°		
γ	Luminance in cd/m²			
45°	52511.6			
50°	48624.8			
55°	45044.0			
60°	41673.2			
65°	39124.8			
70°	41041.8			
75°	41599.3			
80°	37561.0			
85°	41303.6			

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Luminance values in cd/m²

γ 65°

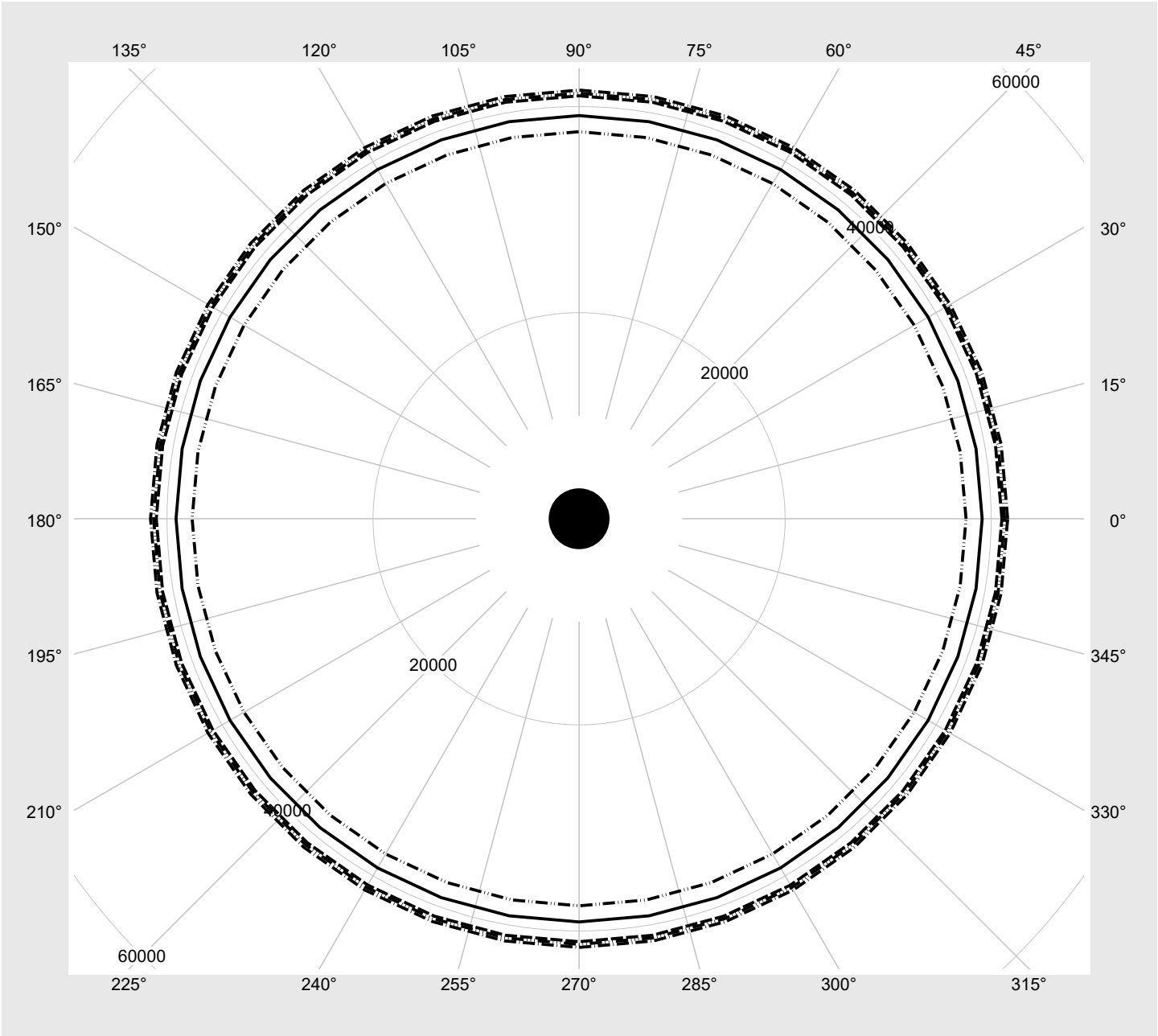
γ 70°

γ 75°

γ 80°

γ 85°

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Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	5030	42.5
6	OFF	ON	ON	4830	40.4
5	ON	OFF	ON	4630	38.3
4	OFF	OFF	ON	4410	36.2
3	ON	ON	OFF	4230	34.2
2	OFF	ON	OFF	4010	32.1
1	ON	OFF	OFF	3770	30.1
0	OFF	OFF	OFF	3570	28.1