

## Photometric test report

**Family**  
**Licross® Spot 31**

**Order number: 51SL137A43B**  
**EAN: 4058352863589**

**LP number**  
**59382\_8**



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

**Lamps** LED 4000 K | CRI ≥ 90

**Controlgear** ECG Multilumen

**Setting** factory setting: DIP-Step=7

**Rated values** Net luminous flux = 3680 lm  
Power consumption = 28.0 W  
Luminous efficacy = 131.4 lm/W

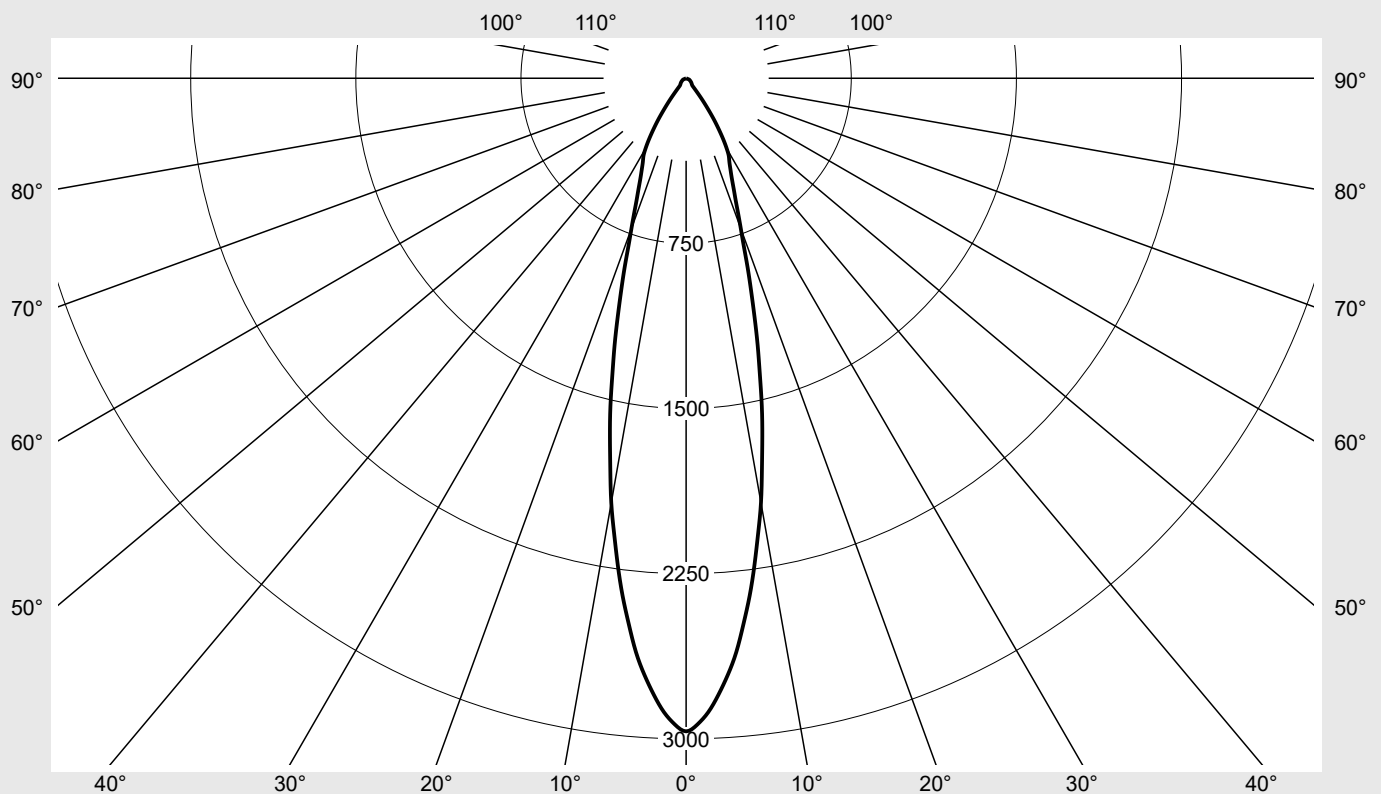
**serial**  
**documentation**  
**12.07.2023**

**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

$\eta_{LB}$  100.0%  
 $\phi_u$  100.0%  
 $\phi_o$  0.0%

### Measurement conditions

DIN EN 13032 and DIN 5032

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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>sITeco</b>

C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	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
$\gamma$	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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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	21.1	22.2	21.5	22.5	22.8	21.1	22.2	21.5	22.5	22.8
	3H	21.8	22.8	22.2	23.1	23.5	21.8	22.8	22.2	23.1	23.5
	4H	22.3	23.1	22.7	23.5	23.9	22.3	23.1	22.7	23.5	23.9
	6H	22.6	23.4	23.0	23.7	24.1	22.6	23.4	23.0	23.7	24.1
	8H	22.8	23.5	23.2	23.8	24.3	22.8	23.5	23.2	23.8	24.3
	12H	22.9	23.5	23.4	23.9	24.3	22.9	23.5	23.4	23.9	24.3
4H	2H	21.3	22.2	21.7	22.5	22.9	21.3	22.2	21.7	22.5	22.9
	3H	22.2	23.0	22.7	23.4	23.8	22.2	23.0	22.7	23.4	23.8
	4H	22.8	23.5	23.3	23.9	24.3	22.8	23.5	23.3	23.9	24.3
	6H	23.3	23.8	23.7	24.2	24.7	23.3	23.8	23.7	24.2	24.7
	8H	23.5	23.9	23.9	24.4	24.9	23.5	23.9	23.9	24.4	24.9
	12H	23.7	24.0	24.1	24.5	25.0	23.7	24.0	24.1	24.5	25.0
8H	4H	23.0	23.5	23.5	23.9	24.4	23.0	23.5	23.5	23.9	24.4
	6H	23.6	24.0	24.1	24.4	24.9	23.6	24.0	24.1	24.4	24.9
	8H	23.8	24.2	24.3	24.7	25.2	23.8	24.2	24.3	24.7	25.2
	12H	24.1	24.4	24.6	24.9	25.4	24.1	24.4	24.6	24.9	25.4
12H	4H	23.0	23.4	23.5	23.9	24.4	23.0	23.4	23.5	23.9	24.4
	6H	23.6	23.9	24.1	24.4	25.0	23.6	23.9	24.1	24.4	25.0
	8H	23.9	24.2	24.4	24.7	25.2	23.9	24.2	24.4	24.7	25.2

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm: D = 79</b>
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<b>C-planes</b>	<b>0°</b>
$\gamma$	<b>Luminance in cd/m<sup>2</sup></b>
45°	38418.1
50°	35574.4
55°	32954.6
60°	30488.5
65°	28624.1
70°	30026.6
75°	30434.5
80°	27480.0
85°	30218.1

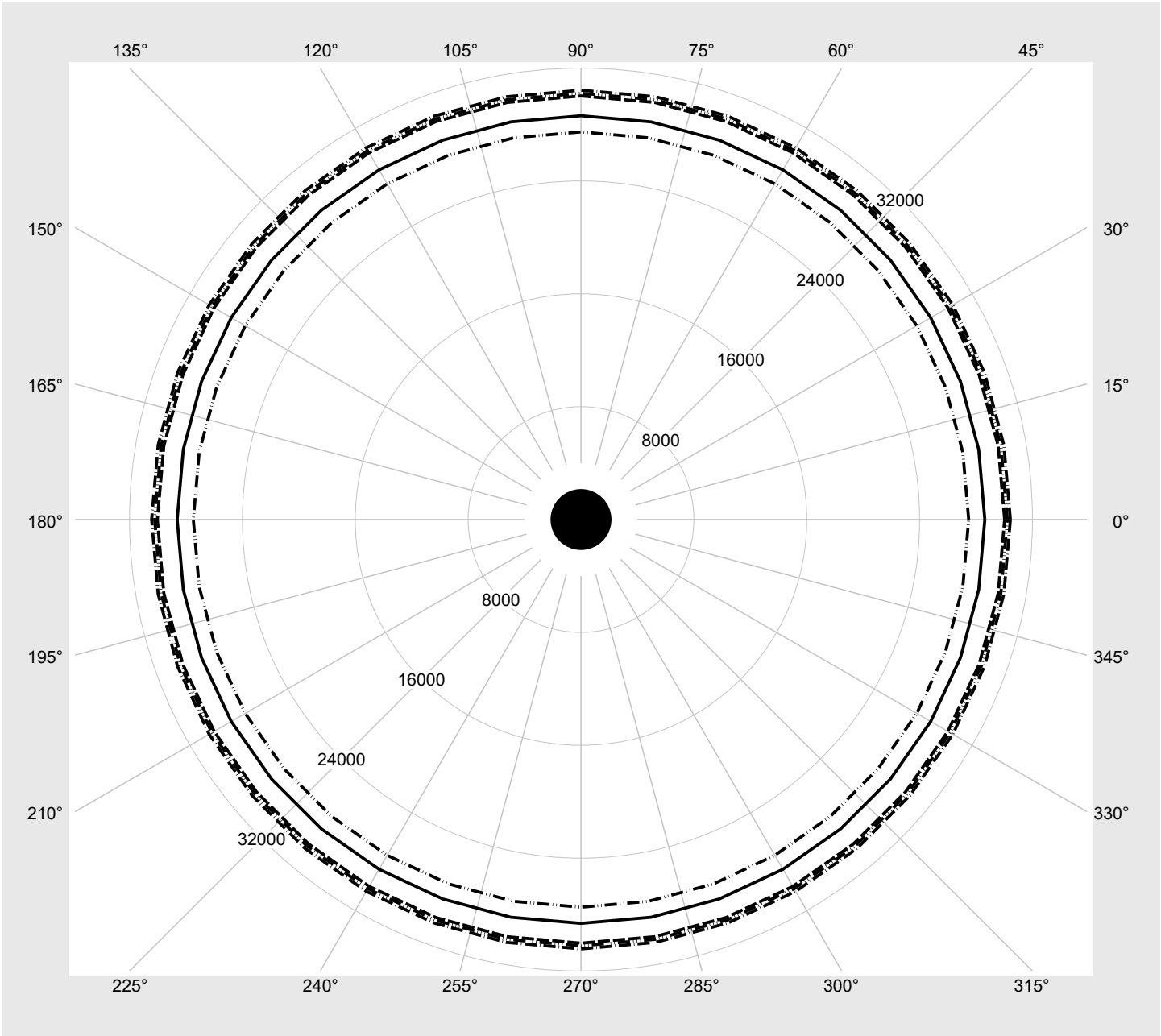
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
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<b>Multilumen Table</b>	environmental temperature: 25°C	<b>sITeco</b>
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	3680	28.0
6	OFF	ON	ON	3470	25.8
5	ON	OFF	ON	3220	23.8
4	OFF	OFF	ON	2990	21.8
3	ON	ON	OFF	2740	20.0
2	OFF	ON	OFF	2470	18.3
1	ON	OFF	OFF	2210	16.9
0	OFF	OFF	OFF	1860	15.8