

Photometric test report

Family
Licross® Spot 31

Order number: 51SL12DA33B
EAN: 4058352863466

LP number
59381_19



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

Lamps LED 3000 K | CRI ≥ 90

Controlgear ECG-DALI

Setting factory setting: DIP-Step=7

Rated values Net luminous flux = 3540 lm
Power consumption = 28.6 W
Luminous efficacy = 123.8 lm/W

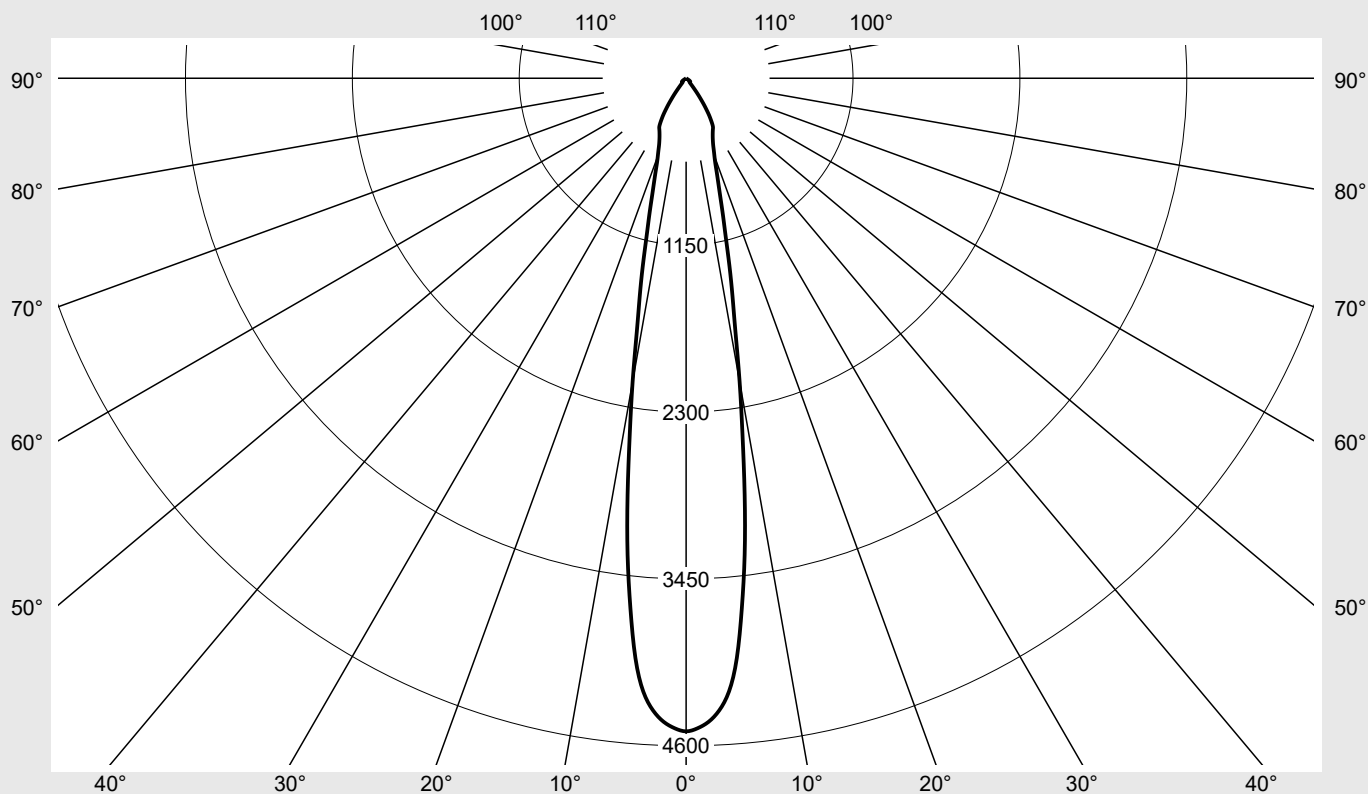
serial
documentation
12.07.2023

siteco

Luminous intensity in cd/klm

C180-0

Imax: 4501 cd/klm



Classifications

DIN 5040 A 7 0
CIE N1=93 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
		sit eco

C-planes	0°	Phi-zone	Total Phi-zone	C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm	γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
0°	4500.5	1.1	1.1	47°	33.1	2.7	941.0
1°	4480.3	8.6	9.7	48°	33.6	2.7	943.7
2°	4437.5	17.0	26.6	49°	34.5	2.9	946.6
3°	4362.0	25.0	51.7	50°	35.6	3.0	949.6
4°	4236.1	32.4	84.1	51°	36.2	3.1	952.6
5°	4010.1	38.3	122.4	52°	35.7	3.1	955.7
6°	3672.5	42.1	164.5	53°	33.7	2.9	958.7
7°	3309.8	44.2	208.7	54°	30.9	2.7	961.4
8°	2898.6	44.2	253.0	55°	27.6	2.5	963.9
9°	2482.5	42.6	295.6	56°	23.6	2.1	966.1
10°	2122.6	40.4	336.0	57°	21.0	1.9	968.0
11°	1782.7	37.3	373.3	58°	19.1	1.8	969.8
12°	1538.7	35.1	408.4	59°	17.3	1.6	971.4
13°	1327.4	32.7	441.1	60°	16.3	1.5	972.9
14°	1130.4	30.0	471.1	61°	15.8	1.5	974.5
15°	985.0	28.0	499.1	62°	15.5	1.5	976.0
16°	859.9	26.0	525.0	63°	15.1	1.5	977.4
17°	761.9	24.4	549.5	64°	14.4	1.4	978.9
18°	683.9	23.2	572.6	65°	14.1	1.4	980.3
19°	616.9	22.0	594.7	66°	13.7	1.4	981.6
20°	570.3	21.4	616.1	67°	13.0	1.3	982.9
21°	532.3	20.9	637.0	68°	12.9	1.3	984.3
22°	498.2	20.5	657.4	69°	12.5	1.3	985.5
23°	472.4	20.2	677.7	70°	12.0	1.2	986.8
24°	451.2	20.1	697.8	71°	11.4	1.2	988.0
25°	433.6	20.1	717.9	72°	11.1	1.2	989.1
26°	418.4	20.1	738.0	73°	10.6	1.1	990.2
27°	405.2	20.2	758.2	74°	10.1	1.1	991.3
28°	393.9	20.3	778.5	75°	9.5	1.0	992.3
29°	380.9	20.3	798.7	76°	8.7	0.9	993.2
30°	356.4	19.5	818.3	77°	7.7	0.8	994.0
31°	326.4	18.4	836.7	78°	6.8	0.7	994.8
32°	294.9	17.1	853.8	79°	6.5	0.7	995.5
33°	256.7	15.3	869.2	80°	6.1	0.7	996.1
34°	220.2	13.5	882.7	81°	5.4	0.6	996.7
35°	180.4	11.3	894.0	82°	5.2	0.6	997.3
36°	146.1	9.4	903.4	83°	4.8	0.5	997.8
37°	111.1	7.3	910.8	84°	4.1	0.5	998.2
38°	79.1	5.3	916.1	85°	3.8	0.4	998.7
39°	56.1	3.9	920.0	86°	3.1	0.3	999.0
40°	40.9	2.9	922.8	87°	3.1	0.3	999.3
41°	37.1	2.7	925.5	88°	2.5	0.3	999.6
42°	35.5	2.6	928.1	89°	2.2	0.2	999.9
43°	33.6	2.5	930.6	90°	2.5	0.3	1000.1
44°	33.1	2.5	933.2				
45°	33.1	2.6	935.7				
46°	32.9	2.6	938.3				

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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	20.9	21.9	21.2	22.2	22.6	20.9	21.9	21.2	22.2	22.6
	3H	21.4	22.4	21.8	22.7	23.1	21.4	22.4	21.8	22.7	23.1
	4H	21.8	22.7	22.2	23.0	23.4	21.8	22.7	22.2	23.0	23.4
	6H	22.1	22.9	22.5	23.2	23.6	22.1	22.9	22.5	23.2	23.6
	8H	22.4	23.0	22.8	23.4	23.8	22.4	23.0	22.8	23.4	23.8
	12H	22.5	23.1	22.9	23.5	23.9	22.5	23.1	22.9	23.5	23.9
4H	2H	21.0	21.8	21.4	22.2	22.5	21.0	21.8	21.4	22.2	22.5
	3H	21.8	22.4	22.2	22.8	23.3	21.8	22.4	22.2	22.8	23.3
	4H	22.3	22.9	22.7	23.3	23.8	22.3	22.9	22.7	23.3	23.8
	6H	22.7	23.2	23.1	23.7	24.1	22.7	23.2	23.1	23.7	24.1
	8H	22.9	23.4	23.4	23.8	24.3	22.9	23.4	23.4	23.8	24.3
	12H	23.1	23.6	23.6	24.0	24.5	23.1	23.6	23.6	24.0	24.5
8H	4H	22.4	22.9	22.9	23.4	23.8	22.4	22.9	22.9	23.4	23.8
	6H	23.0	23.4	23.5	23.9	24.4	23.0	23.4	23.5	23.9	24.4
	8H	23.3	23.6	23.8	24.1	24.7	23.3	23.6	23.8	24.1	24.7
	12H	23.6	23.9	24.1	24.4	25.0	23.6	23.9	24.1	24.4	25.0
12H	4H	22.4	22.8	22.9	23.3	23.8	22.4	22.8	22.9	23.3	23.8
	6H	23.0	23.4	23.5	23.8	24.4	23.0	23.4	23.5	23.8	24.4
	8H	23.4	23.7	23.9	24.2	24.7	23.4	23.7	23.9	24.2	24.7

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 79
C-planes		0°		
γ	Luminance in cd/m²			
45°	33786.2			
50°	40041.0			
55°	34805.9			
60°	23568.4			
65°	24096.9			
70°	25288.3			
75°	26469.5			
80°	25182.7			
85°	31827.9			

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Luminance values in cd/m²

γ 65°

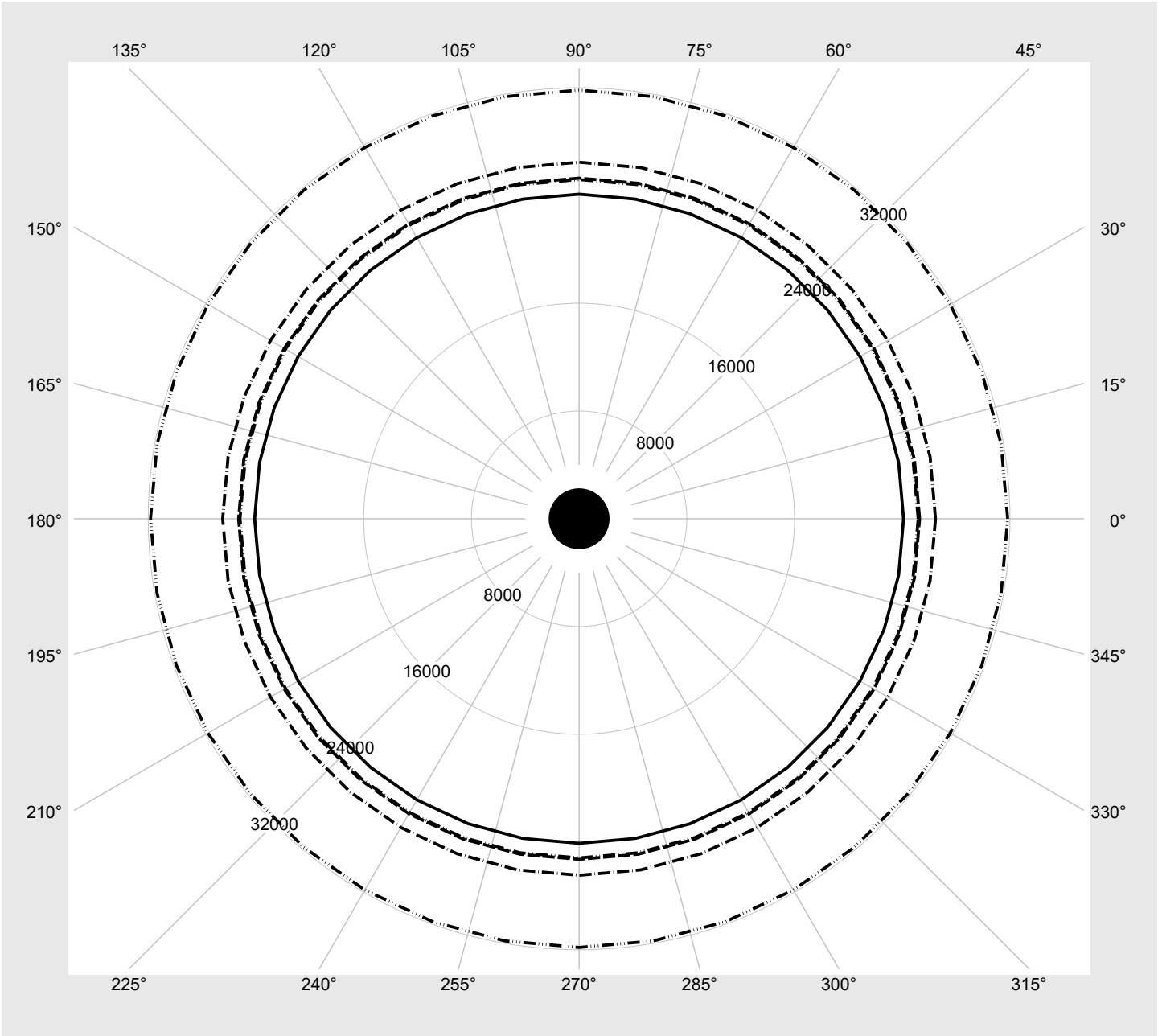
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	3540	28.6
6	OFF	ON	ON	3330	26.5
5	ON	OFF	ON	3090	24.4
4	OFF	OFF	ON	2870	22.4
3	ON	ON	OFF	2630	20.4
2	OFF	ON	OFF	2370	18.3
1	ON	OFF	OFF	2120	16.3
0	OFF	OFF	OFF	1790	14.4