

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL1EMN4D5S
EAN: 4058352940921

LP number
59263_243



Version cover frosted, elliptical narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 13740 lm
 Power consumption = 74.5 W
 Luminous efficacy = 184.4 lm/W

serial
documentation
11.10.2023

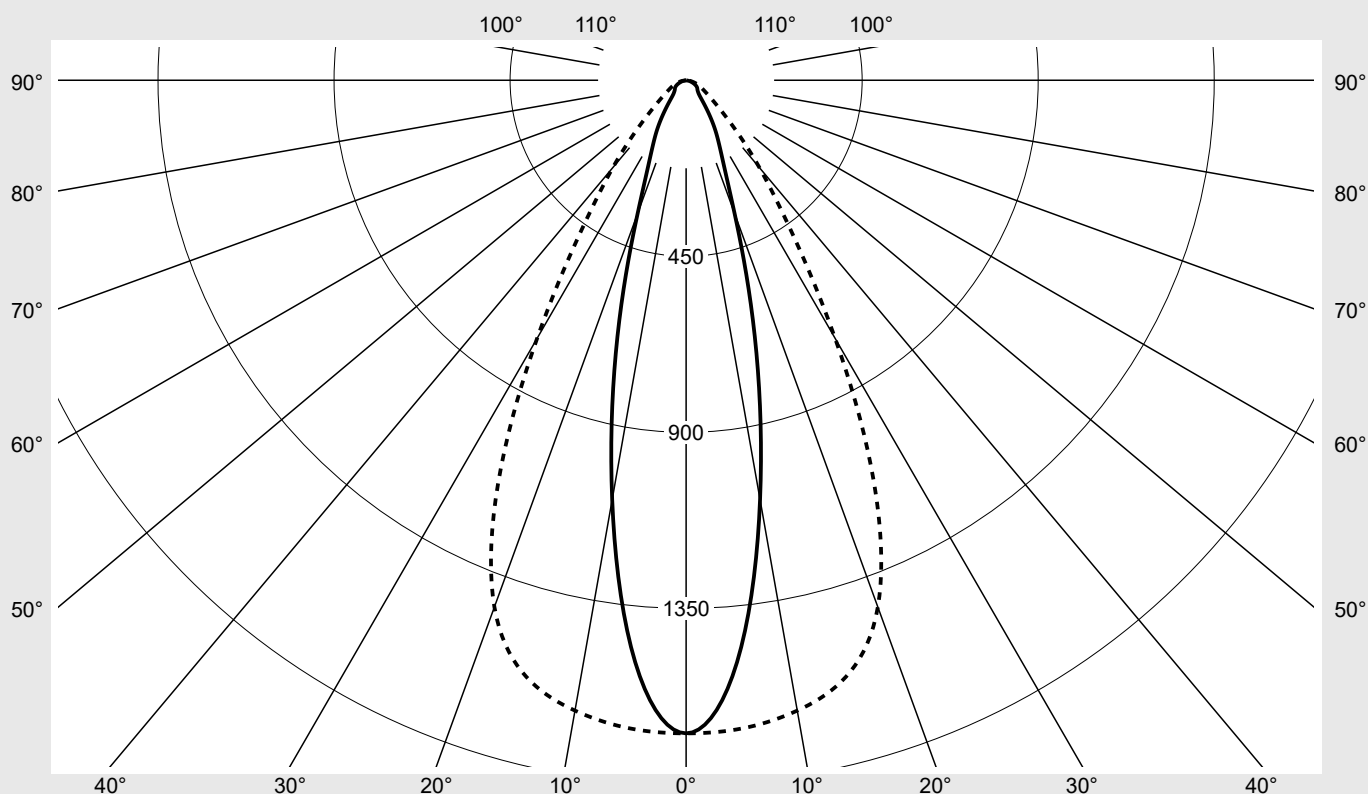
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 1670 cd/klm



Classifications

DIN 5040 A 7 0
 CIE N1=85 N2=95 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° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	10.0	10.0
5°	1493.3	1495.6	1516.6	1565.9	1616.3	1649.8	1662.9	75.0	85.0
10°	1088.5	1106.7	1175.0	1303.4	1460.6	1586.1	1636.2	126.8	211.8
15°	678.3	712.7	825.0	1006.5	1239.9	1474.8	1578.7	151.0	362.9
20°	362.1	388.9	492.0	707.6	980.6	1275.8	1432.9	148.2	511.0
25°	217.8	231.1	285.8	436.7	705.9	972.9	1137.5	127.8	638.8
30°	151.3	158.5	185.3	264.1	455.8	646.3	761.7	99.0	737.8
35°	95.4	107.0	131.3	171.8	268.4	391.1	463.8	70.7	808.5
40°	57.7	64.5	93.9	120.6	157.9	239.7	291.4	50.0	858.5
45°	43.5	45.9	58.2	86.3	99.5	145.4	176.9	35.2	893.7
50°	37.7	39.0	42.8	61.0	68.3	89.3	109.1	26.2	919.9
55°	34.6	35.0	36.7	43.5	50.5	59.6	73.7	20.9	940.8
60°	30.2	31.1	32.8	34.2	38.6	42.0	53.5	17.5	958.3
65°	23.9	25.4	29.1	28.1	30.1	30.8	41.3	14.6	972.8
70°	17.0	18.4	22.5	23.3	23.4	22.7	30.8	11.5	984.3
75°	10.9	12.0	16.2	17.9	17.4	15.7	20.7	8.4	992.7
80°	6.2	6.7	9.0	10.7	11.0	9.3	11.6	5.0	997.7
85°	3.1	3.3	4.2	5.0	4.8	3.9	4.2	2.3	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

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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	16.3	17.5	16.6	17.8	18.1	21.3	22.5	21.6	22.8	23.1	
	3H	17.4	18.5	17.8	18.9	19.2	21.8	22.9	22.2	23.2	23.6	
	4H	17.8	18.8	18.2	19.2	19.6	22.1	23.1	22.5	23.4	23.8	
	6H	18.0	19.0	18.4	19.3	19.7	22.3	23.2	22.8	23.6	24.0	
	8H	18.2	19.0	18.6	19.4	19.8	22.5	23.2	22.9	23.6	24.0	
	12H	18.2	19.0	18.7	19.4	19.8	22.5	23.2	23.0	23.6	24.0	
4H	2H	17.1	18.0	17.5	18.4	18.8	21.2	22.3	21.6	22.6	23.0	
	3H	18.5	19.3	18.9	19.7	20.1	22.0	22.8	22.4	23.2	23.6	
	4H	19.0	19.8	19.5	20.2	20.6	22.3	23.1	22.8	23.5	23.9	
	6H	19.3	20.0	19.8	20.4	20.9	22.6	23.3	23.1	23.7	24.2	
	8H	19.4	20.0	19.9	20.4	20.9	22.8	23.3	23.2	23.8	24.2	
	12H	19.5	20.0	20.0	20.5	21.0	22.8	23.3	23.3	23.7	24.2	
8H	4H	19.5	20.0	20.0	20.5	21.0	22.4	23.0	22.9	23.5	23.9	
	6H	20.0	20.4	20.5	20.9	21.4	22.8	23.3	23.3	23.8	24.3	
	8H	20.1	20.5	20.6	21.0	21.5	23.0	23.4	23.5	23.9	24.4	
	12H	20.2	20.6	20.7	21.1	21.6	23.1	23.4	23.6	23.9	24.4	
12H	4H	19.5	20.0	20.0	20.5	21.0	22.4	22.9	22.9	23.4	23.9	
	6H	20.0	20.4	20.6	20.9	21.4	22.8	23.2	23.3	23.7	24.3	
	8H	20.2	20.6	20.8	21.1	21.6	23.0	23.3	23.5	23.9	24.4	

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1500 B = 58	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	9713.2	10246.1	12988.1	19270.0	22230.7	32474.8	39519.2
50°	9272.4	9577.3	10515.1	14996.1	16783.8	21948.1	26814.4
55°	9516.5	9631.8	10110.6	11970.6	13909.6	16417.7	20298.1
60°	9525.1	9838.2	10365.0	10811.0	12190.1	13260.2	16896.1
65°	8941.8	9482.2	10880.9	10504.2	11259.5	11502.0	15438.9
70°	7839.3	8479.3	10379.9	10769.2	10803.3	10466.7	14235.1
75°	6624.9	7327.9	9881.6	10942.7	10626.6	9605.1	12624.4
80°	5597.0	6052.6	8190.9	9692.4	9977.1	8447.3	10568.3
85°	5662.7	6039.6	7684.9	9109.2	8726.9	7056.1	7561.7

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Luminance values in cd/m²

γ 65°

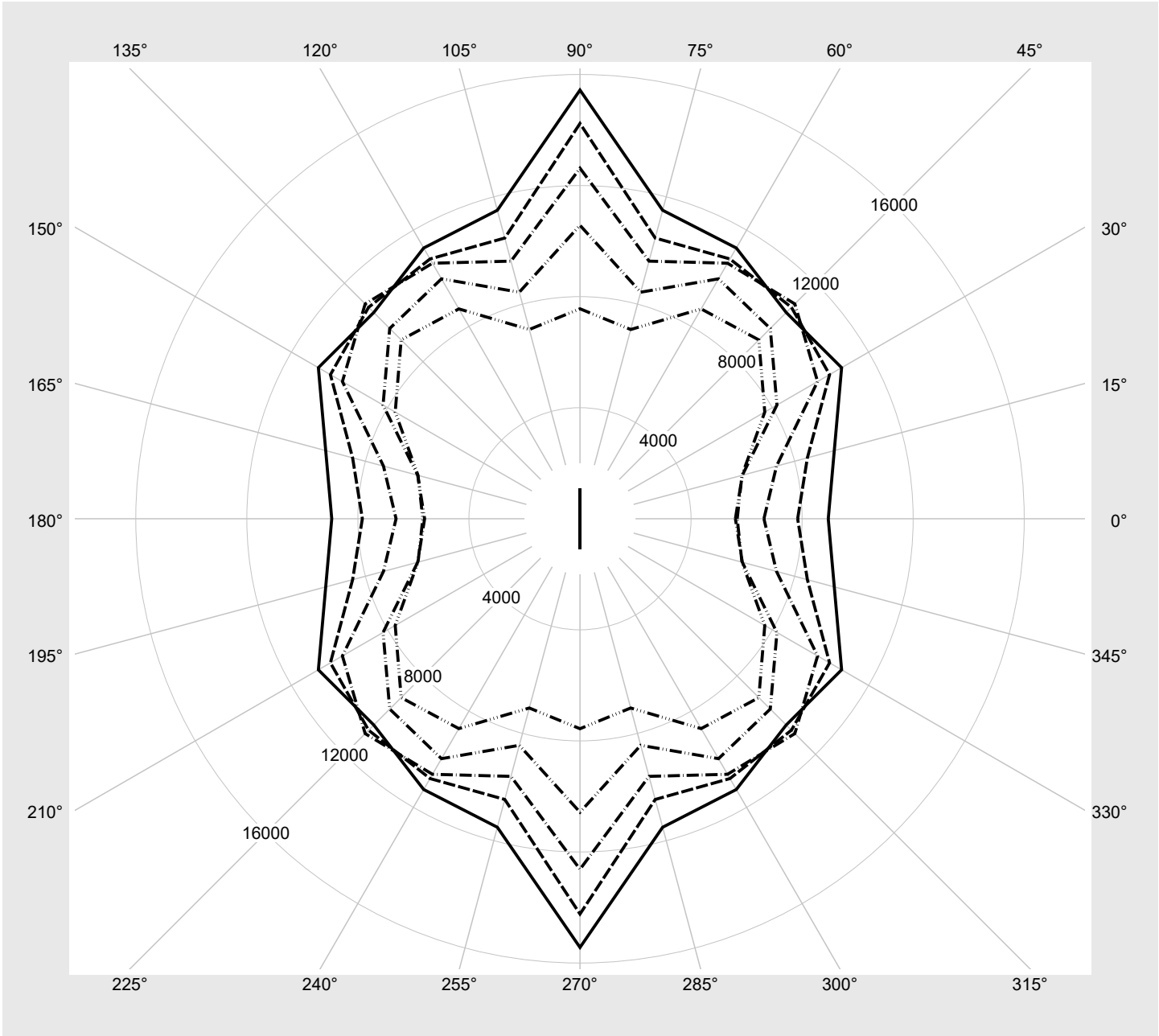
γ 70°

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		
1	A	C	E	13740	74.5
2	A	C	F	12790	68.7
3	A	D	E	11820	63.0
4	A	D	F	10840	57.4
5	B	C	E	9850	51.7
6	B	C	F	8850	46.2
7	B	D	E	7920	41.1
8	B	D	F	6900	35.6