

Photometric test report

Family
Licross® 21 Recessed

Order number: 52TL1EMN4A5G
EAN: 4058352891902

LP number
59263_177



Version cover frosted, elliptical narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 10630 lm
 Power consumption = 60.5 W
 Luminous efficacy = 175.7 lm/W

serial
documentation
24.08.2023

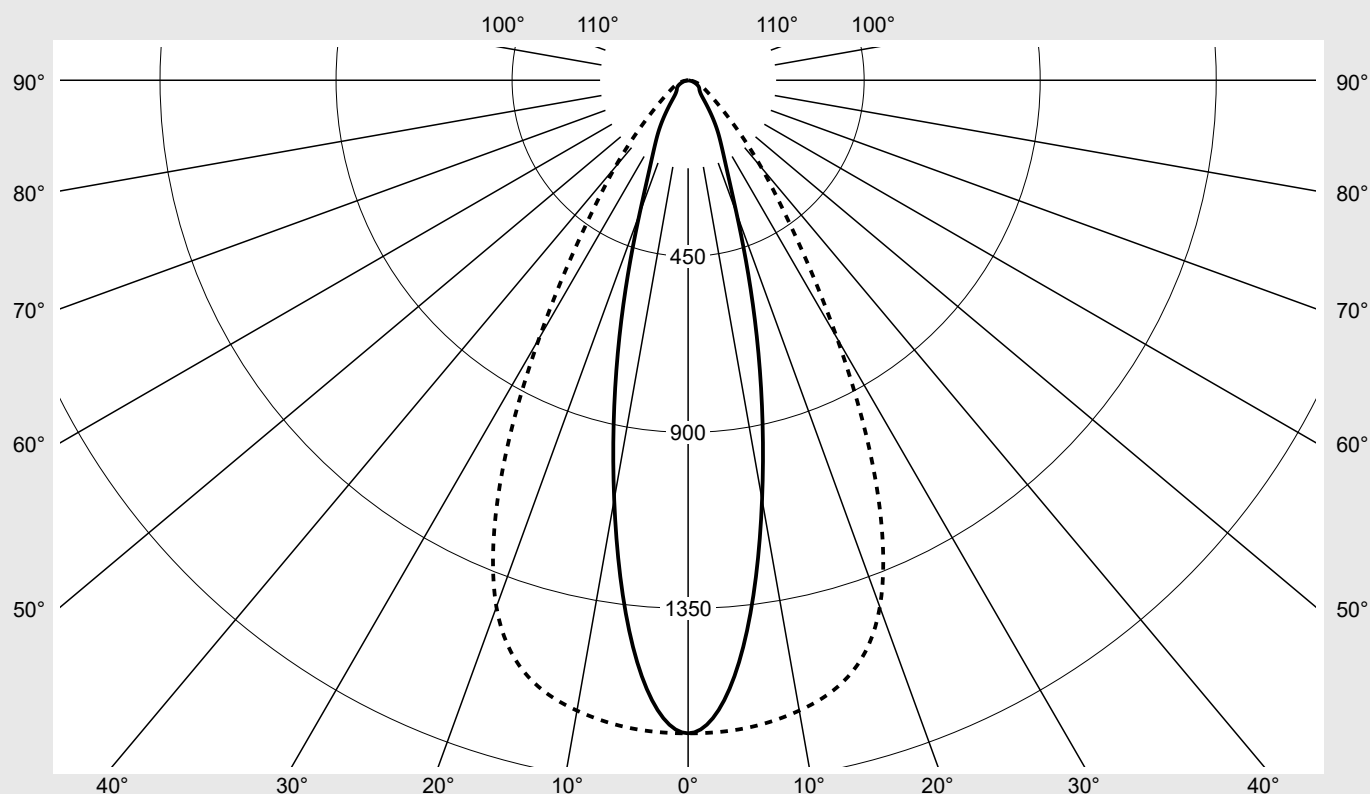
siteco

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
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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	15.4	16.6	15.7	16.9	17.2	20.4	21.6	20.7	21.9	22.2	
	3H	16.5	17.6	16.9	18.0	18.3	21.0	22.0	21.3	22.3	22.7	
	4H	16.9	17.9	17.3	18.3	18.7	21.2	22.2	21.6	22.5	22.9	
	6H	17.1	18.1	17.5	18.4	18.8	21.5	22.3	21.9	22.7	23.1	
	8H	17.3	18.1	17.7	18.5	18.9	21.6	22.3	22.0	22.7	23.1	
	12H	17.3	18.1	17.8	18.5	18.9	21.6	22.3	22.1	22.7	23.1	
4H	2H	16.2	17.1	16.6	17.5	17.9	20.4	21.4	20.7	21.7	22.1	
	3H	17.6	18.4	18.0	18.8	19.2	21.1	21.9	21.5	22.3	22.7	
	4H	18.1	18.9	18.6	19.3	19.7	21.4	22.2	21.9	22.6	23.0	
	6H	18.4	19.1	18.9	19.5	20.0	21.7	22.4	22.2	22.8	23.3	
	8H	18.5	19.1	19.0	19.6	20.0	21.9	22.4	22.4	22.9	23.3	
	12H	18.6	19.1	19.1	19.6	20.1	21.9	22.4	22.4	22.9	23.4	
8H	4H	18.6	19.1	19.1	19.6	20.1	21.5	22.1	22.0	22.6	23.0	
	6H	19.1	19.5	19.6	20.0	20.5	22.0	22.4	22.4	22.9	23.4	
	8H	19.2	19.6	19.7	20.1	20.6	22.1	22.5	22.6	23.0	23.5	
	12H	19.3	19.7	19.8	20.2	20.7	22.2	22.5	22.7	23.0	23.6	
12H	4H	18.6	19.1	19.1	19.6	20.1	21.5	22.0	22.0	22.5	23.0	
	6H	19.1	19.5	19.7	20.0	20.5	21.9	22.3	22.4	22.8	23.4	
	8H	19.3	19.7	19.9	20.2	20.7	22.1	22.5	22.6	23.0	23.5	

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°	7514.6	7926.9	10048.3	14908.3	17198.9	25124.3	30574.2
50°	7173.6	7409.5	8135.0	11601.8	12984.9	16980.2	20745.1
55°	7362.4	7451.7	7822.1	9261.1	10761.2	12701.6	15703.7
60°	7369.2	7611.3	8018.9	8364.0	9430.9	10258.8	13071.7
65°	6917.9	7335.9	8418.1	8126.6	8710.9	8898.6	11944.4
70°	6064.9	6560.0	8030.4	8331.6	8358.0	8097.6	11013.1
75°	5125.4	5669.2	7644.9	8465.9	8221.3	7431.0	9766.9
80°	4330.1	4682.7	6336.9	7498.6	7718.8	6535.3	8176.2
85°	4380.9	4672.5	5945.5	7047.4	6751.6	5459.0	5850.1

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Luminance values in cd/m²

γ 65°

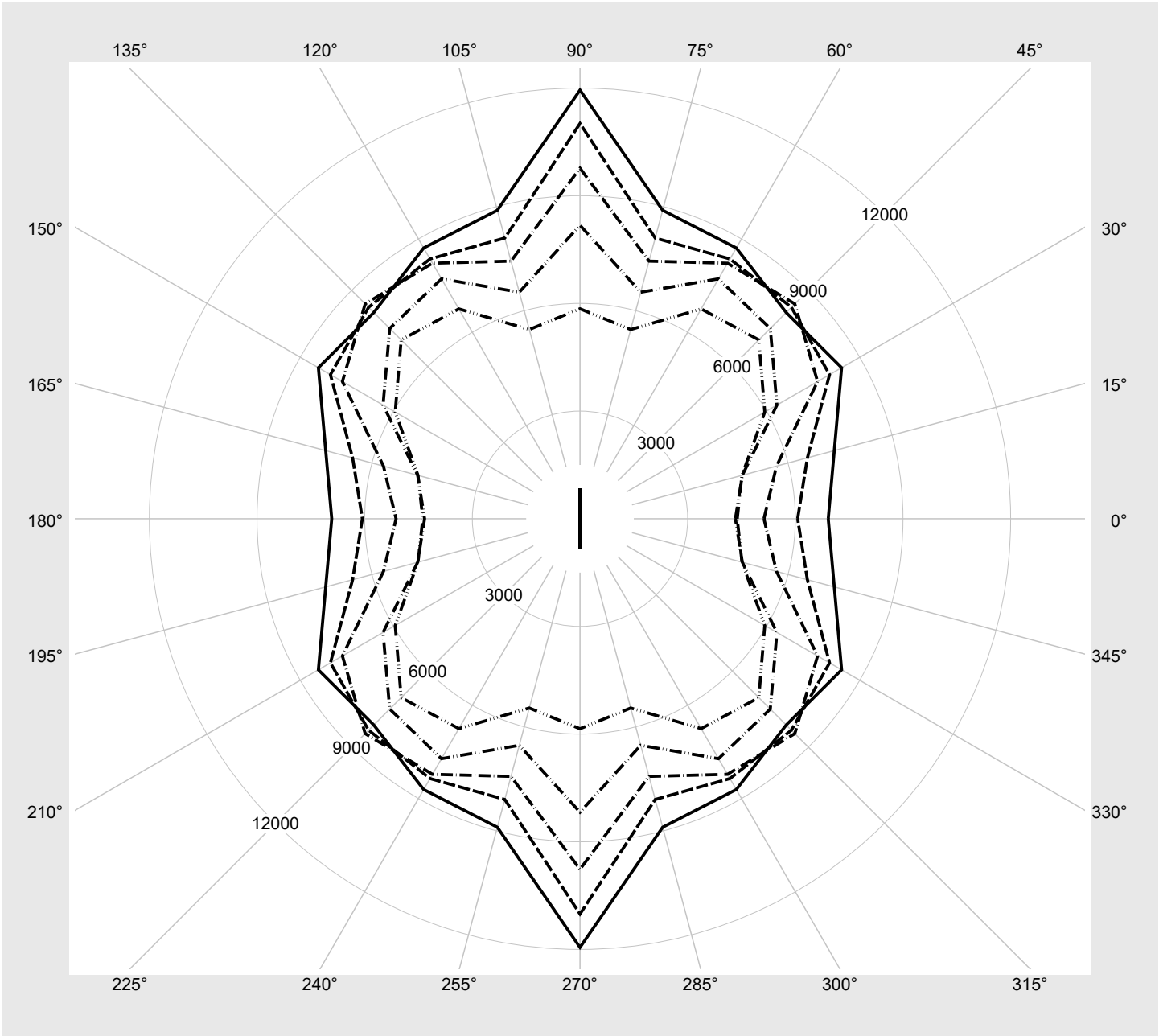
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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Family Licross® 21 Recessed	Order number: 52TL1EMN4A5G EAN: 4058352891902	LP number 59263_177
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	10630	60.5
2	A	C	F	10010	56.5
3	A	D	E	9530	53.4
4	A	D	F	9030	50.3
5	B	C	E	8530	47.3
6	B	C	F	8030	44.4
7	B	D	E	7520	41.4
8	B	D	F	7000	38.4