

Photometric test report

Family
Licross® 21 Recessed

Order number: 52TE1ECN4CXS
EAN: 4058352890103

LP number
59263_124



Version cover frosted, elliptical narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-Multilumen CLOi
Rated values Net luminous flux = 12350 lm
 Power consumption = 68.4 W
 Luminous efficacy = 180.6 lm/W

serial
documentation
17.08.2023

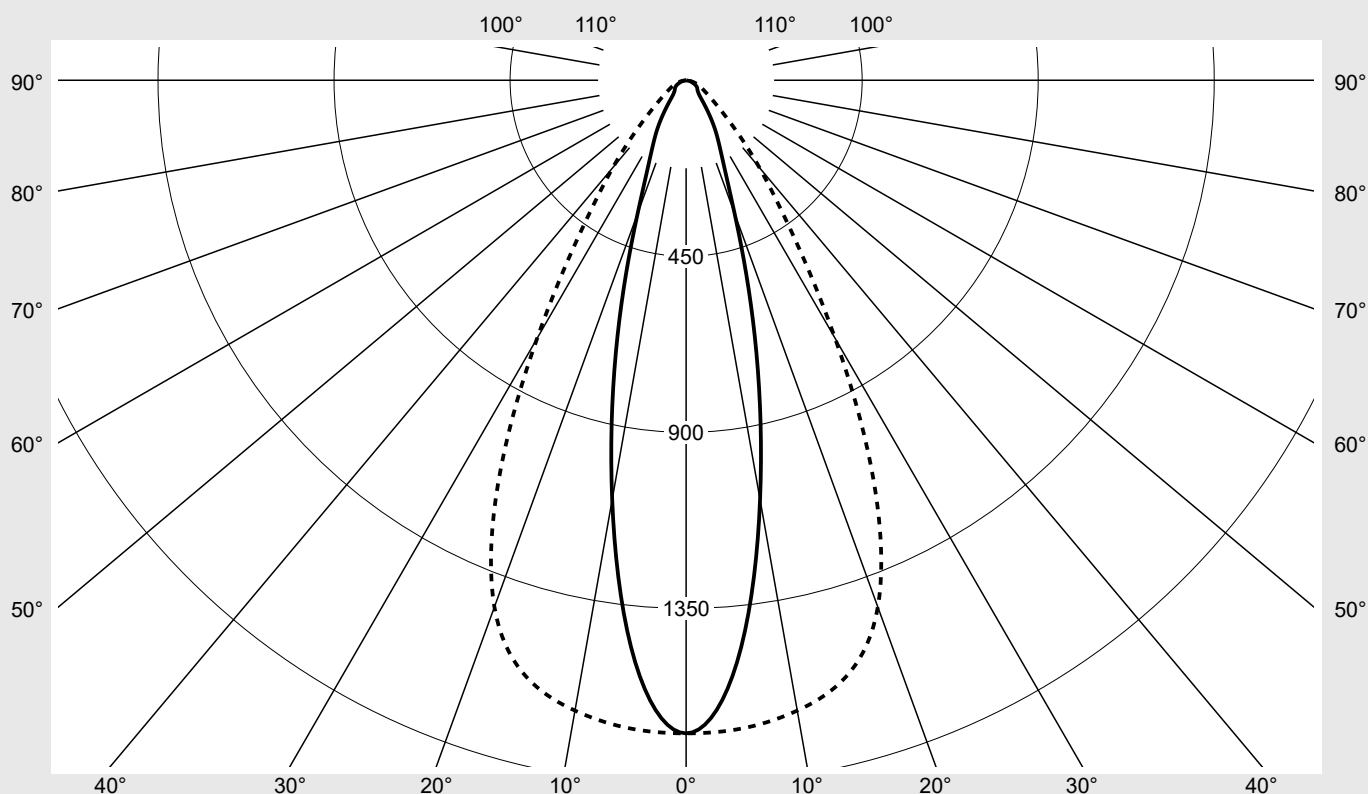
siteco

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
		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	15.9	17.1	16.2	17.4	17.7	20.9	22.1	21.2	22.4	22.8		
	3H	17.1	18.1	17.4	18.5	18.8	21.5	22.5	21.9	22.9	23.2		
	4H	17.4	18.5	17.8	18.8	19.2	21.7	22.7	22.1	23.1	23.4		
	6H	17.6	18.6	18.0	19.0	19.4	22.0	22.8	22.4	23.2	23.6		
	8H	17.8	18.6	18.3	19.0	19.4	22.1	22.9	22.5	23.2	23.6		
	12H	17.9	18.6	18.3	19.0	19.5	22.1	22.8	22.6	23.2	23.6		
4H	2H	16.7	17.7	17.1	18.0	18.4	20.9	21.9	21.3	22.3	22.6		
	3H	18.1	19.0	18.6	19.3	19.8	21.6	22.4	22.0	22.8	23.2		
	4H	18.6	19.4	19.1	19.8	20.2	22.0	22.7	22.4	23.1	23.6		
	6H	18.9	19.6	19.4	20.0	20.5	22.3	22.9	22.7	23.3	23.8		
	8H	19.0	19.6	19.5	20.1	20.6	22.4	22.9	22.9	23.4	23.9		
	12H	19.1	19.6	19.6	20.1	20.6	22.5	22.9	22.9	23.4	23.9		
8H	4H	19.1	19.7	19.6	20.1	20.6	22.1	22.6	22.5	23.1	23.6		
	6H	19.6	20.0	20.1	20.5	21.0	22.5	22.9	23.0	23.4	23.9		
	8H	19.7	20.1	20.2	20.6	21.1	22.6	23.0	23.1	23.5	24.0		
	12H	19.8	20.2	20.4	20.7	21.2	22.7	23.0	23.2	23.5	24.1		
12H	4H	19.2	19.6	19.7	20.1	20.6	22.0	22.6	22.5	23.0	23.5		
	6H	19.7	20.0	20.2	20.5	21.1	22.5	22.9	23.0	23.4	23.9		
	8H	19.9	20.2	20.4	20.7	21.3	22.6	23.0	23.1	23.5	24.0		

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°	8730.6	9209.6	11674.2	17320.6	19981.8	29189.5	35521.3
50°	8334.3	8608.4	9451.3	13479.0	15085.9	19727.7	24101.7
55°	8553.7	8657.4	9087.8	10759.6	12502.4	14756.8	18244.7
60°	8561.5	8842.9	9316.4	9717.3	10956.9	11918.7	15186.8
65°	8037.2	8522.9	9780.2	9441.6	10120.4	10338.4	13877.0
70°	7046.2	7621.5	9329.8	9679.7	9710.4	9407.8	12795.0
75°	5954.7	6586.6	8881.9	9835.7	9551.6	8633.4	11347.3
80°	5030.8	5440.3	7362.2	8711.9	8967.8	7592.8	9499.1
85°	5089.8	5428.6	6907.5	8187.7	7844.0	6342.3	6796.7

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Order number: **52TE1ECN4CXS**
EAN: **4058352890103**

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Luminance values in cd/m²

γ 65°

γ 70°

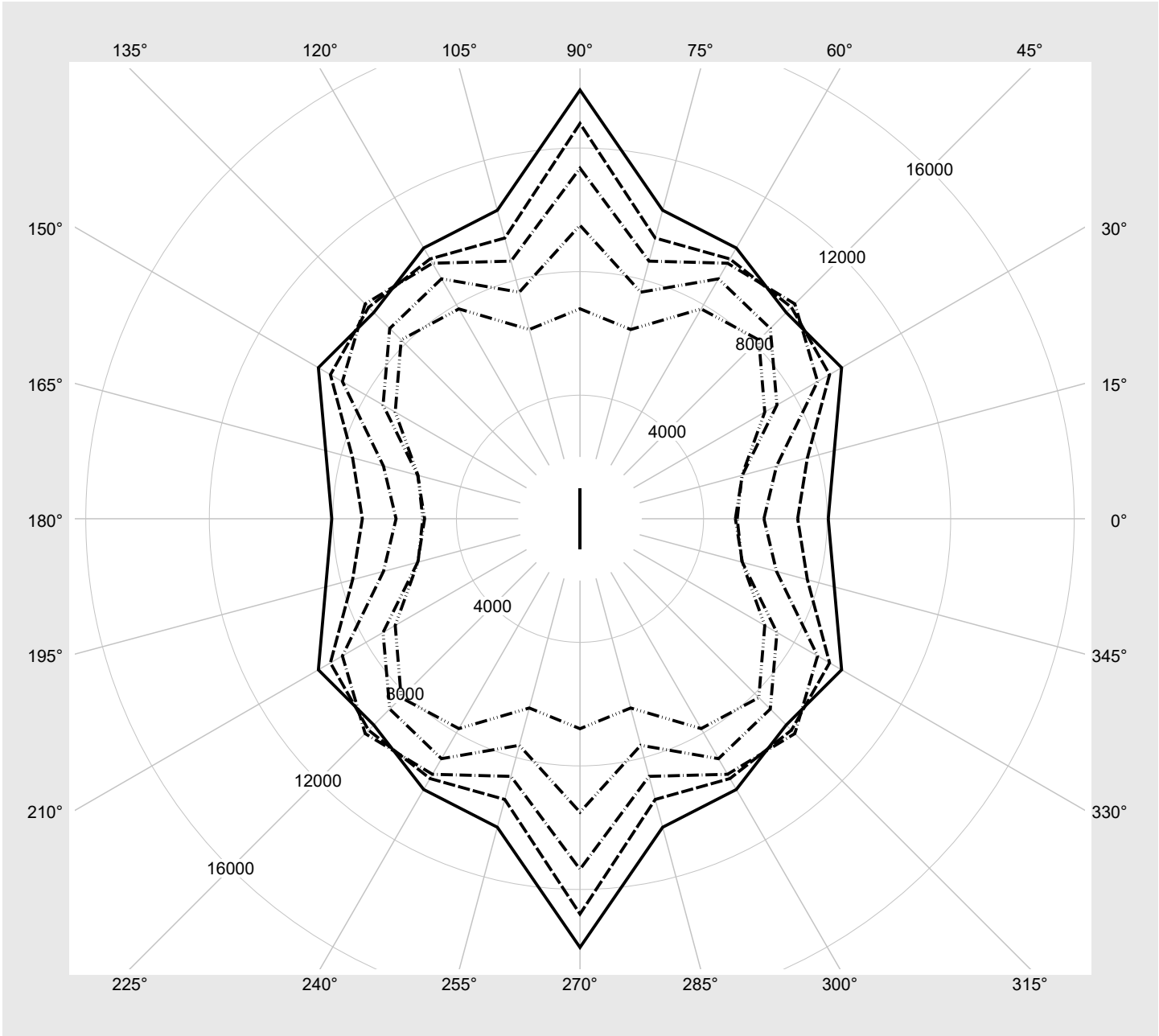
γ 75°

γ 80°

γ 85°

sit

eco



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Family Licross® 21 Recessed	Order number: 52TE1ECN4CXS EAN: 4058352890103	LP number 59263_124
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
	1	2	3			end of lifetime	average
1	A	C	E	12350	68.4	83.1	75.8
2	A	C	F	11850	65.4	79.7	72.6
3	A	D	E	10840	59.4	71.9	65.6
4	A	D	F	9890	53.9	64.9	59.4
5	B	C	E	8850	47.9	57.7	52.8
6	B	C	F	7870	42.4	50.9	46.6
7	B	D	E	6880	37.1	44.2	40.7
8	B	D	F	5880	31.6	37.5	34.6