

Photometric test report

Family
Licross® 21 Recessed

Order number: 52TL11MN4FXS
EAN: 4058352890660

LP number
58784_291



Version cover frosted, narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 15070 lm
 Power consumption = 83.1 W
 Luminous efficacy = 181.4 lm/W

serial
documentation
24.08.2023

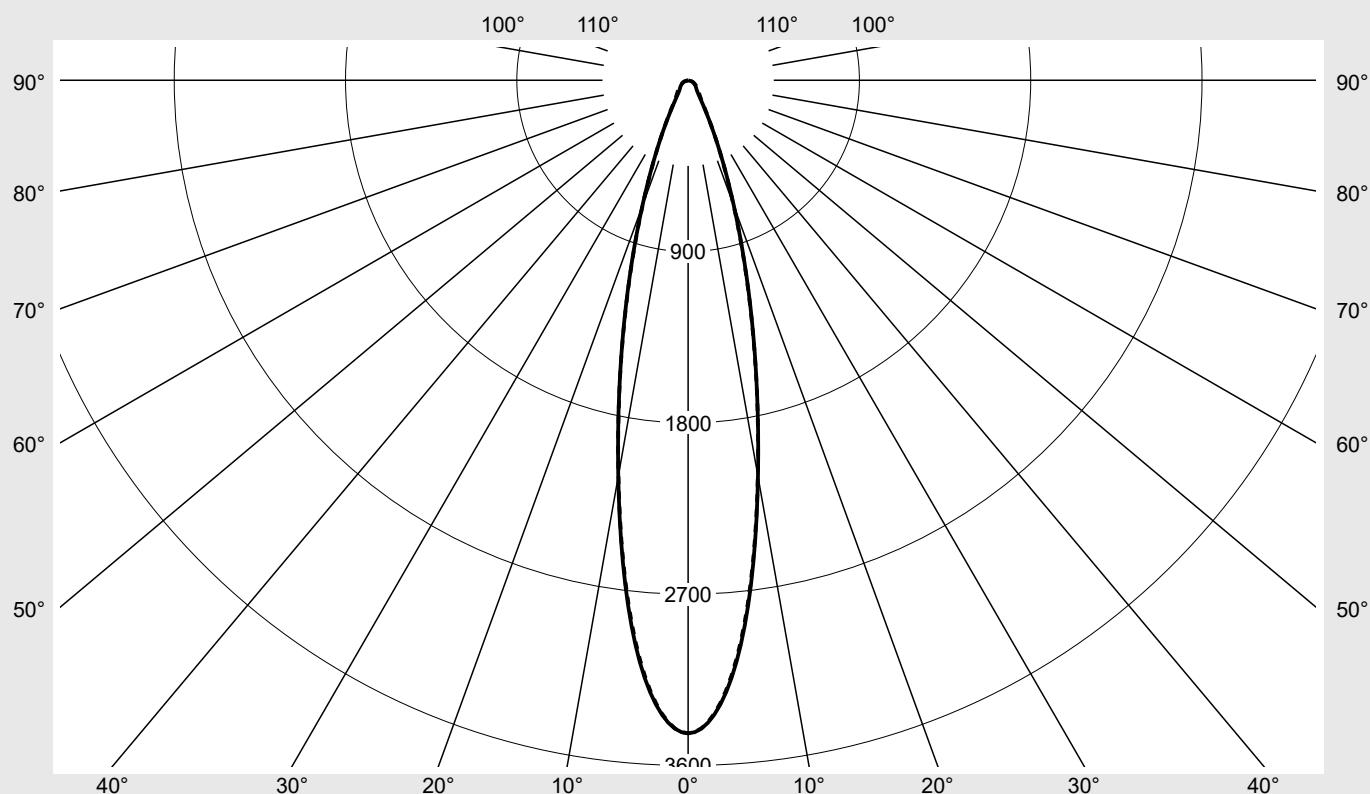
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 3431 cd/klm



Classifications

DIN 5040 A 7 0
 CIE N1=87 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°	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	20.5	20.5
5°	3030.0	3009.9	2995.2	3008.4	3015.8	3015.7	3017.5	143.9	164.4
10°	2113.5	2098.5	2092.1	2104.8	2111.9	2109.7	2109.2	200.3	364.7
15°	1287.2	1281.7	1283.9	1294.7	1294.7	1286.2	1283.2	182.7	547.4
20°	703.4	705.4	717.6	726.5	719.3	702.5	697.3	133.5	680.9
25°	354.0	358.8	370.9	376.0	367.5	355.6	354.0	84.3	765.2
30°	176.2	179.2	185.6	185.7	179.6	178.8	183.6	49.7	814.9
35°	102.4	102.6	103.9	102.5	99.6	107.7	116.7	32.8	847.7
40°	73.1	72.4	71.7	70.6	70.7	80.9	90.2	26.3	874.0
45°	60.7	58.7	57.0	56.9	57.9	66.7	75.5	23.6	897.6
50°	52.7	51.5	51.2	50.6	50.0	56.0	63.2	22.2	919.8
55°	44.8	43.4	45.4	45.0	43.0	46.3	51.7	20.3	940.1
60°	37.3	36.1	38.2	39.8	37.2	38.0	41.8	18.1	958.2
65°	29.8	28.9	31.0	34.0	31.7	30.7	33.0	15.5	973.8
70°	21.9	21.7	22.9	26.9	25.3	23.3	24.3	12.3	986.1
75°	12.2	12.7	14.5	18.5	17.7	15.7	16.0	8.2	994.3
80°	5.5	5.6	6.4	9.0	10.0	8.8	8.6	4.2	998.5
85°	2.2	2.1	2.4	3.2	3.5	3.4	3.0	1.6	1000.0
90°	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
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3
Reflection factor of floor		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	17.4	18.6	17.8	18.9	19.2	17.8	18.9	18.2	19.2
	3H	18.8	19.8	19.2	20.1	20.5	19.2	20.2	19.6	20.5
	4H	19.1	20.1	19.5	20.4	20.8	19.7	20.6	20.1	21.0
	6H	19.3	20.1	19.7	20.5	20.9	20.1	20.9	20.5	21.3
	8H	19.4	20.1	19.8	20.5	20.9	20.2	20.9	20.7	21.3
	12H	19.4	20.1	19.8	20.5	20.9	20.2	20.9	20.7	21.3
4H	2H	18.2	19.1	18.6	19.4	19.8	18.5	19.4	18.9	19.7
	3H	19.6	20.4	20.1	20.8	21.2	20.1	20.8	20.5	21.2
	4H	20.1	20.8	20.5	21.2	21.6	20.7	21.4	21.1	21.8
	6H	20.3	20.9	20.7	21.3	21.8	21.1	21.7	21.5	22.1
	8H	20.3	20.8	20.8	21.3	21.8	21.2	21.7	21.7	22.2
	12H	20.3	20.8	20.8	21.2	21.7	21.3	21.7	21.8	22.2
8H	4H	20.4	20.9	20.9	21.4	21.9	21.0	21.5	21.4	21.9
	6H	20.7	21.1	21.2	21.6	22.1	21.5	21.9	22.0	22.4
	8H	20.7	21.1	21.2	21.6	22.1	21.6	22.0	22.1	22.5
	12H	20.7	21.0	21.2	21.5	22.1	21.7	22.0	22.2	22.5
12H	4H	20.4	20.9	20.9	21.3	21.8	20.9	21.4	21.4	21.8
	6H	20.7	21.1	21.2	21.6	22.1	21.5	21.8	22.0	22.3
	8H	20.8	21.1	21.3	21.6	22.1	21.7	22.0	22.2	22.5

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1500 B = 58	
C-planes	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°
			Luminance in cd/m²				
45° 50° 55° 60°	γ	14873.2	14385.2	13971.5	13934.3	14182.4	16333.2
		14214.0	13885.5	13809.8	13643.0	13465.4	15094.4
		13542.8	13119.1	13719.1	13595.9	12992.5	13994.5
		12921.1	12499.1	13222.1	13781.9	12899.2	13164.9
65° 70° 75° 80° 85°	γ	12207.1	11859.2	12702.7	13917.1	13010.9	12596.1
		11075.2	10980.5	11591.8	13601.4	12814.4	11799.4
		8190.5	8486.3	9679.6	12357.3	11828.6	10477.3
		5527.3	5578.2	6415.1	9003.7	9933.4	8741.3
85°	γ	4348.6	4265.1	4708.3	6302.2	6906.4	6703.7

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Luminance values in cd/m²

γ 65°

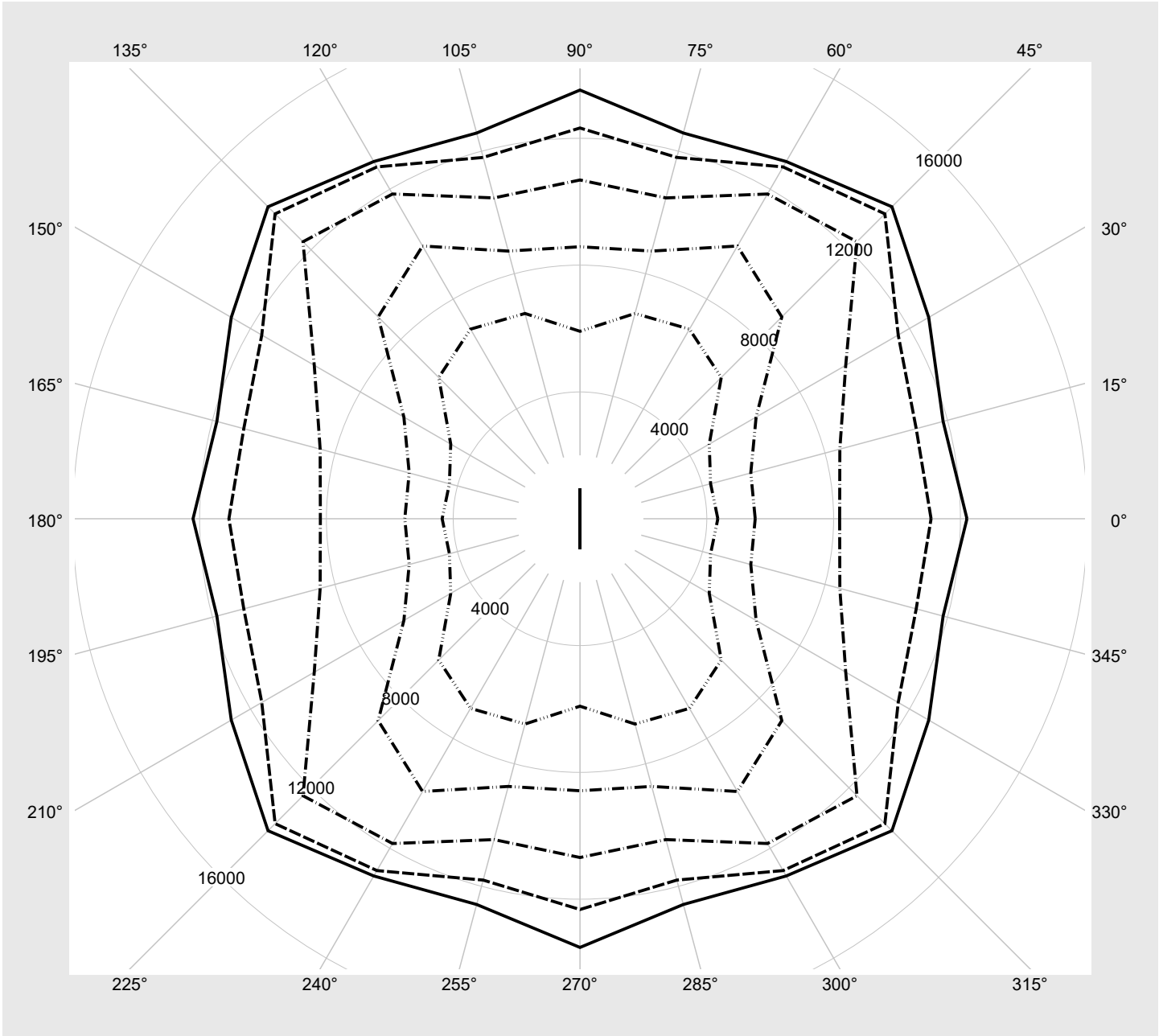
γ 70°

γ 75°

γ 80°

γ 85°

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Family Licross® 21 Recessed	Order number: 52TL11MN4FXS EAN: 4058352890660	LP number 58784_291
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	15070	83.1
2	A	C	F	14150	77.5
3	A	D	E	13080	71.1
4	A	D	F	12140	65.4
5	B	C	E	11100	59.4
6	B	C	F	10130	53.9
7	B	D	E	9060	47.9
8	B	D	F	8060	42.4