

Photometric test report

Family
Licross® 21 Protected

Order number: 52TD12CN4CXM
EAN: 4058352902752

LP number
58523_183



Version prismatic cover, frosted, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-Multilumen CLOi
Rated values Net luminous flux = 12460 lm
 Power consumption = 68.9 W
 Luminous efficacy = 180.8 lm/W

serial
documentation
17.08.2023

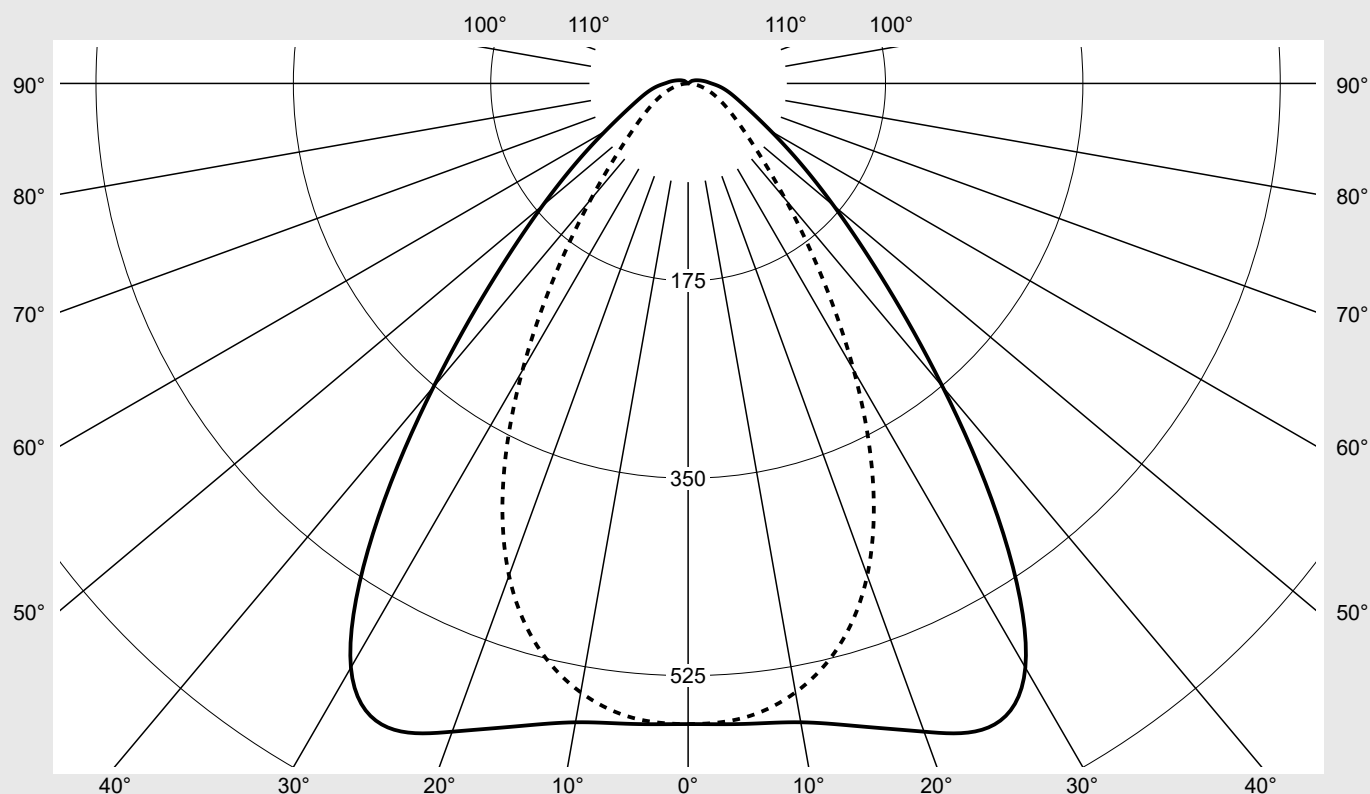
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 630 cd/klm



Classifications

DIN 5040 A 5 1
 CIE N1=70 N2=91 N3=97
 N4=98 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 98.3%
 ϕ_o 1.7%

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°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	3.4	3.4
5°	570.0	568.0	563.9	564.4	565.6	564.2	564.6	27.0	30.4
10°	575.1	572.9	563.4	557.9	553.3	549.0	548.2	53.3	83.7
15°	590.1	586.0	566.8	548.5	532.2	519.9	516.5	78.2	161.9
20°	611.6	603.6	568.7	531.0	496.5	471.9	464.3	100.3	262.2
25°	630.0	617.6	564.2	499.9	441.6	401.0	387.5	117.1	379.3
30°	598.0	589.4	536.5	452.4	368.0	311.9	293.8	123.5	502.8
35°	487.1	490.1	463.2	383.1	284.6	222.1	203.0	114.7	617.4
40°	351.1	360.8	359.1	297.2	205.7	150.3	134.3	94.9	712.3
45°	241.7	250.7	257.1	211.9	140.4	100.6	89.9	72.8	785.1
50°	168.3	174.0	178.9	144.5	94.4	69.8	63.7	54.4	839.5
55°	118.9	121.8	123.3	97.4	64.6	50.4	47.5	40.5	880.0
60°	85.1	85.8	84.4	66.1	45.7	37.4	36.1	30.1	910.0
65°	63.8	62.6	58.2	45.7	33.4	28.1	27.2	22.6	932.7
70°	50.4	47.7	40.8	32.1	24.8	20.7	19.9	17.3	949.9
75°	41.3	37.6	29.5	22.7	17.9	14.5	13.5	13.2	963.2
80°	34.0	30.0	21.9	15.9	12.4	9.4	8.0	10.0	973.1
85°	27.2	23.7	16.4	11.2	8.0	5.3	3.6	7.3	980.4
90°	20.7	17.9	12.0	7.4	4.6	2.2	0.4	5.0	985.4
95°	16.6	14.7	10.2	6.3	3.6	1.3	0.3	4.0	989.4
100°	13.2	11.9	8.5	5.2	2.7	0.8	0.3	3.2	992.6
105°	10.4	9.5	6.9	4.1	1.9	0.4	0.3	2.5	995.1
110°	8.2	7.4	5.5	3.1	1.2	0.3	0.3	1.9	997.0
115°	6.5	5.8	4.2	2.2	0.7	0.4	0.4	1.4	998.4
120°	4.9	4.3	3.0	1.4	0.6	0.5	0.5	1.0	999.4
125°	3.5	3.0	2.0	0.9	0.6	0.5	0.5	0.7	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	22.7	24.2	23.1	24.5	24.8	18.6	20.0	18.9	20.3	20.7
	3H	23.3	24.6	23.7	24.9	25.3	19.0	20.3	19.4	20.6	21.0
	4H	23.7	24.9	24.1	25.2	25.6	19.2	20.4	19.6	20.8	21.1
	6H	24.1	25.1	24.5	25.5	25.9	19.3	20.5	19.7	20.8	21.2
	8H	24.4	25.3	24.8	25.7	26.1	19.4	20.5	19.8	20.9	21.3
	12H	24.6	25.5	25.1	25.9	26.3	19.4	20.4	19.9	20.8	21.3
4H	2H	22.8	24.0	23.2	24.4	24.7	19.2	20.4	19.6	20.8	21.2
	3H	23.5	24.5	23.9	24.9	25.3	19.8	20.8	20.2	21.2	21.6
	4H	24.0	24.9	24.4	25.3	25.7	20.1	21.0	20.5	21.4	21.8
	6H	24.5	25.3	25.0	25.7	26.2	20.3	21.1	20.7	21.5	22.0
	8H	24.9	25.5	25.3	26.0	26.5	20.4	21.1	20.8	21.5	22.0
	12H	25.2	25.8	25.7	26.3	26.8	20.4	21.1	20.9	21.5	22.0
8H	4H	24.0	24.7	24.4	25.1	25.6	20.4	21.1	20.8	21.5	22.0
	6H	24.6	25.2	25.1	25.7	26.2	20.7	21.3	21.2	21.7	22.3
	8H	25.0	25.6	25.5	26.0	26.6	20.8	21.3	21.3	21.8	22.4
	12H	25.5	26.0	26.1	26.5	27.0	20.9	21.4	21.5	21.9	22.4
12H	4H	24.0	24.6	24.5	25.1	25.6	20.5	21.1	21.0	21.5	22.0
	6H	24.6	25.1	25.1	25.6	26.2	20.8	21.3	21.4	21.8	22.3
	8H	25.1	25.5	25.6	26.0	26.5	21.0	21.4	21.5	21.9	22.5

Luminance table		Max. for $\gamma \geq 65^\circ$			Photometric dimensions in mm:	L = 1480 B = 78	H(C0) = 13 H(C90) = 0	H(C180) = 13 H(C270) = 0
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°	
		Luminance in cd/m²						
γ								
45°	31624.6	32955.8	34299.4	28930.0	19781.1	14721.6	13727.8	
50°	23578.9	24517.2	25638.2	21275.5	14416.7	11139.9	10699.2	
55°	18069.4	18642.3	19243.9	15685.4	10861.3	8928.7	8943.0	
60°	14254.2	14490.4	14571.6	11853.9	8618.3	7508.2	7784.7	
65°	12001.2	11880.0	11356.3	9310.6	7236.0	6557.7	6940.4	
70°	10903.3	10433.4	9226.3	7652.8	6359.1	5839.5	6272.2	
75°	10610.3	9795.4	7996.8	6577.7	5709.2	5205.2	5631.5	
80°	10856.7	9752.8	7501.3	5938.7	5213.2	4692.9	4983.8	
85°	11580.1	10318.2	7662.9	5894.9	5066.5	4362.9	4484.3	

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Luminance values in cd/m²

γ 65°

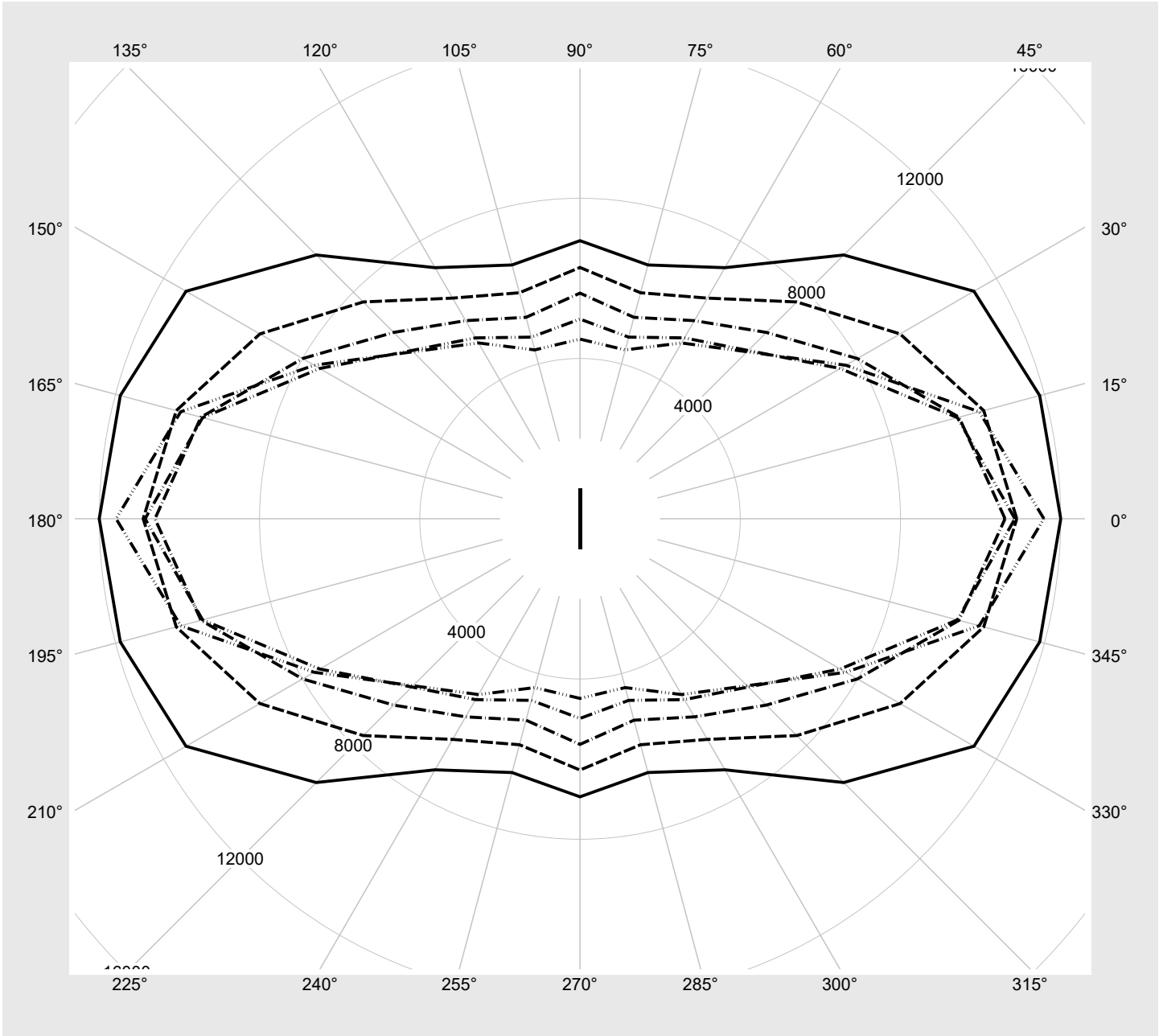
γ 70°

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]	Power consumption [W]	Power consumption [W]
	1	2	3			end of lifetime	average
1	A	C	E	12460	68.9	83.2	76.1
2	A	C	F	12030	66.3	80.2	73.2
3	A	D	E	11010	60.3	72.4	66.4
4	A	D	F	9980	54.3	65.0	59.6
5	B	C	E	9000	48.8	58.1	53.4
6	B	C	F	8030	43.3	51.8	47.6
7	B	D	E	7030	37.9	45.0	41.4
8	B	D	F	6030	32.5	38.3	35.4