

Photometric test report

Family
Licross® 21 Protected

Order number: 52TD1BMN4EXM
EAN: 4058352903346

LP number
58521_164



Version prismatic cover, frosted, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 14040 lm
 Power consumption = 83.2 W
 Luminous efficacy = 168.7 lm/W

serial
documentation
24.08.2023

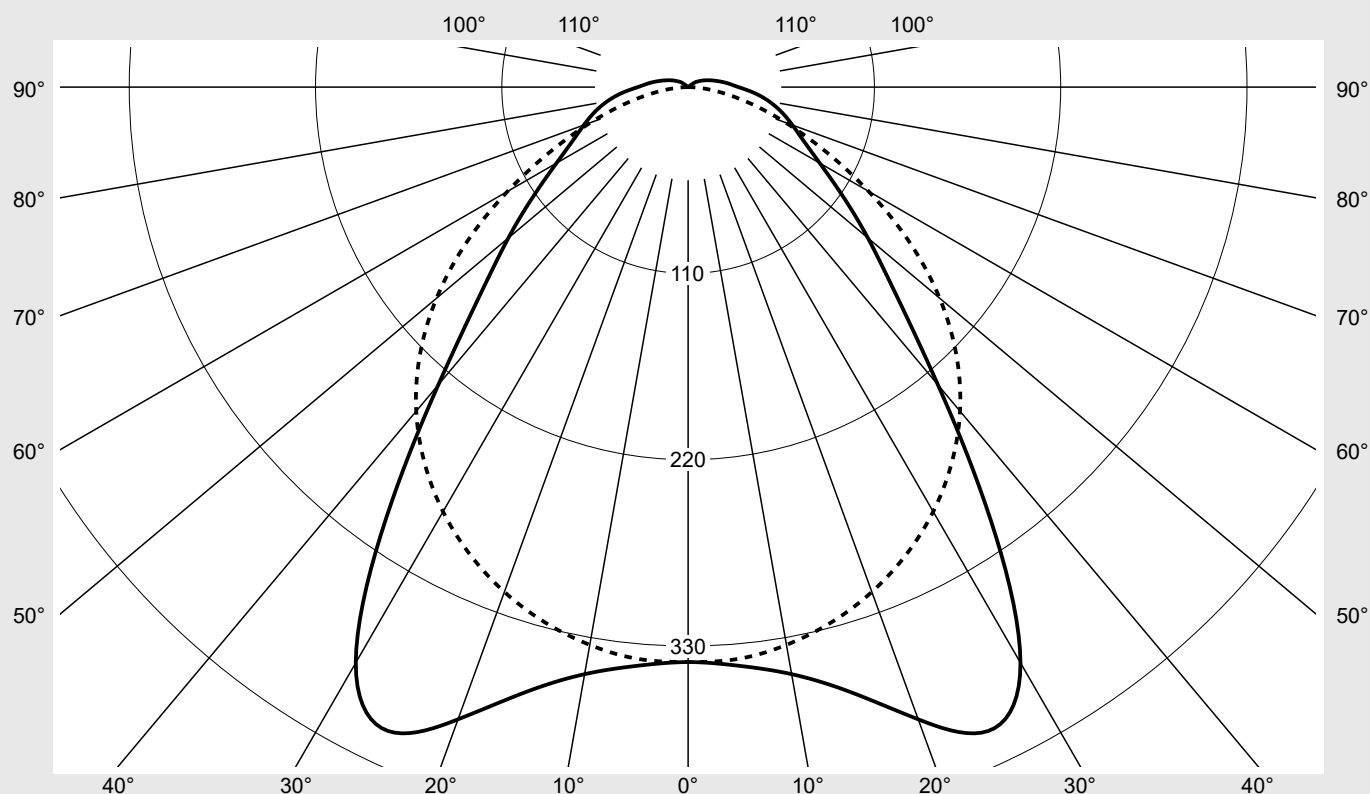
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 419 cd/klm



Classifications

DIN 5040 A 4 1
 CIE N1=54 N2=82 N3=95
 N4=97 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 96.8%
 ϕ_o 3.2%

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°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	2.0	2.0
5°	343.0	342.0	339.2	339.3	339.7	338.8	338.9	16.2	18.3
10°	352.0	350.9	345.1	341.6	338.4	335.1	334.4	32.6	50.9
15°	369.7	367.9	356.8	346.8	337.2	329.4	327.1	49.3	100.2
20°	397.2	393.9	374.9	354.6	335.9	321.8	317.2	66.8	167.0
25°	419.5	416.9	395.3	365.3	334.4	312.1	304.6	84.4	251.4
30°	392.5	397.1	392.3	370.7	332.1	300.1	289.4	97.4	348.9
35°	311.0	322.2	341.8	350.7	323.8	285.3	271.2	100.3	449.2
40°	229.5	240.6	267.7	298.9	299.5	266.8	249.8	94.7	543.9
45°	174.0	182.0	204.5	237.4	256.3	239.9	224.1	85.2	629.1
50°	138.5	144.4	161.2	187.1	207.0	203.8	193.9	74.9	704.0
55°	110.9	115.6	129.9	149.5	163.4	162.9	159.6	64.1	768.1
60°	89.8	92.9	103.5	120.2	127.5	124.1	123.1	53.4	821.5
65°	75.3	77.0	82.7	94.9	98.6	91.3	89.2	43.6	865.1
70°	65.6	65.8	66.8	73.1	74.5	64.6	61.3	35.1	900.1
75°	57.2	56.6	54.5	55.3	53.6	43.2	39.2	27.5	927.6
80°	48.6	47.5	44.1	40.6	36.2	26.8	21.9	20.7	948.4
85°	39.1	38.1	34.6	29.4	22.8	14.4	9.2	14.9	963.2
90°	29.7	28.9	25.8	20.2	13.1	5.9	0.8	10.0	973.2
95°	24.0	23.5	21.5	16.6	10.0	3.6	0.7	8.0	981.2
100°	19.1	18.8	17.3	13.3	7.4	1.9	0.7	6.2	987.3
105°	15.1	14.8	13.5	10.2	5.0	0.8	0.6	4.6	991.9
110°	11.8	11.4	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.1	8.6	7.4	4.7	1.4	0.7	0.7	2.3	997.5
120°	6.7	6.2	4.9	2.7	0.8	0.7	0.8	1.5	999.1
125°	4.5	4.0	2.9	1.3	0.8	0.8	0.8	0.9	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	22.3	24.0	22.7	24.3	24.6	24.2	25.8	24.5	26.1	26.5
	3H	23.5	25.0	23.9	25.3	25.7	25.2	26.7	25.6	27.0	27.4
	4H	24.2	25.6	24.6	26.0	26.3	25.6	26.9	26.0	27.3	27.7
	6H	25.0	26.3	25.4	26.6	27.0	25.8	27.1	26.2	27.5	27.8
	8H	25.4	26.6	25.8	27.0	27.4	25.9	27.1	26.4	27.5	27.9
	12H	25.8	26.9	26.2	27.3	27.7	26.0	27.1	26.4	27.5	27.9
4H	2H	23.2	24.6	23.6	24.9	25.3	24.6	26.0	25.0	26.4	26.7
	3H	24.6	25.7	25.0	26.1	26.5	25.9	27.1	26.3	27.5	27.9
	4H	25.4	26.4	25.8	26.8	27.3	26.4	27.5	26.8	27.9	28.3
	6H	26.3	27.2	26.7	27.6	28.1	26.8	27.7	27.2	28.1	28.6
	8H	26.8	27.6	27.2	28.1	28.5	26.9	27.7	27.4	28.2	28.7
	12H	27.2	28.0	27.7	28.5	28.9	27.0	27.8	27.5	28.2	28.7
8H	4H	25.8	26.6	26.3	27.1	27.6	26.7	27.5	27.2	28.0	28.5
	6H	26.9	27.6	27.4	28.1	28.6	27.2	27.9	27.7	28.4	28.9
	8H	27.5	28.1	28.0	28.6	29.1	27.4	28.1	27.9	28.5	29.1
	12H	28.1	28.6	28.6	29.1	29.7	27.6	28.1	28.1	28.6	29.2
12H	4H	25.9	26.6	26.3	27.1	27.6	26.8	27.5	27.2	28.0	28.5
	6H	27.0	27.6	27.5	28.1	28.6	27.3	28.0	27.8	28.4	29.0
	8H	27.7	28.2	28.2	28.7	29.2	27.6	28.1	28.1	28.6	29.2

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°	25651.7	26956.7	30743.1	36528.8	40696.1	39553.1	38539.8	
50°	21869.6	22926.9	26029.7	31033.6	35630.3	36677.8	36687.6	
55°	18987.9	19927.7	22838.6	27129.5	30957.6	32542.6	33833.4	
60°	16944.3	17669.0	20143.7	24274.1	27104.1	28097.9	29934.7	
65°	15971.5	16462.2	18170.1	21792.9	24074.4	24043.4	25662.6	
70°	15988.5	16220.9	17008.1	19641.8	21556.0	20550.0	21814.9	
75°	16569.9	16623.1	16637.2	18038.2	19225.7	17484.8	18430.8	
80°	17481.9	17389.3	16989.3	17055.5	17237.6	15070.9	15368.0	
85°	18782.1	18698.4	18202.9	17487.1	16318.7	13457.7	12868.9	

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Luminance values in cd/m²

γ 65°

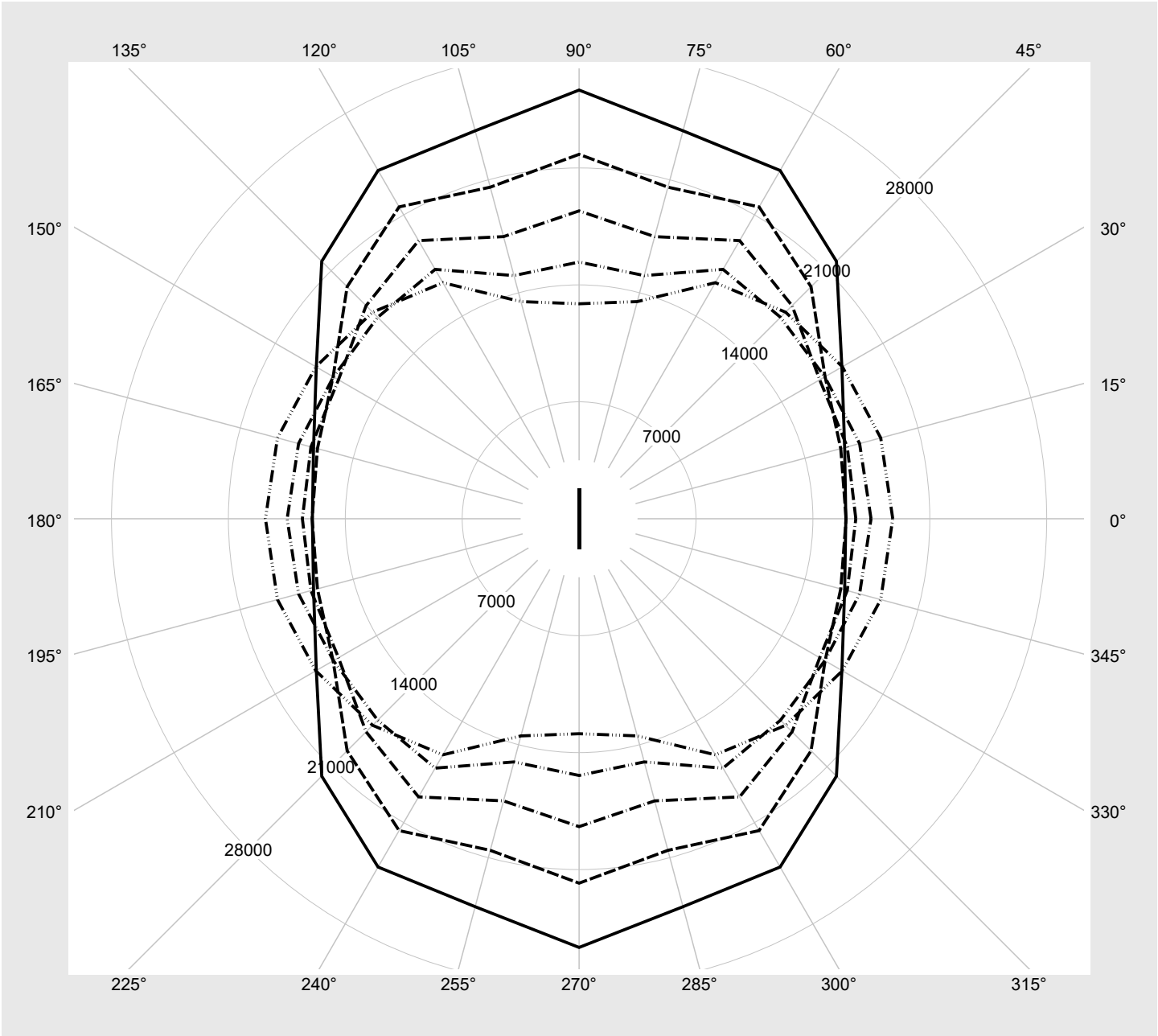
γ 70°

γ 75°

γ 80°

γ 85°

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Multilumen Table

environmental temperature: 25°C

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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	14040	83.2
2	A	C	F	13180	78.5
3	A	D	E	12250	72.4
4	A	D	F	11310	66.3
5	B	C	E	10360	60.3
6	B	C	F	9380	54.3
7	B	D	E	8470	48.8
8	B	D	F	7550	43.3