

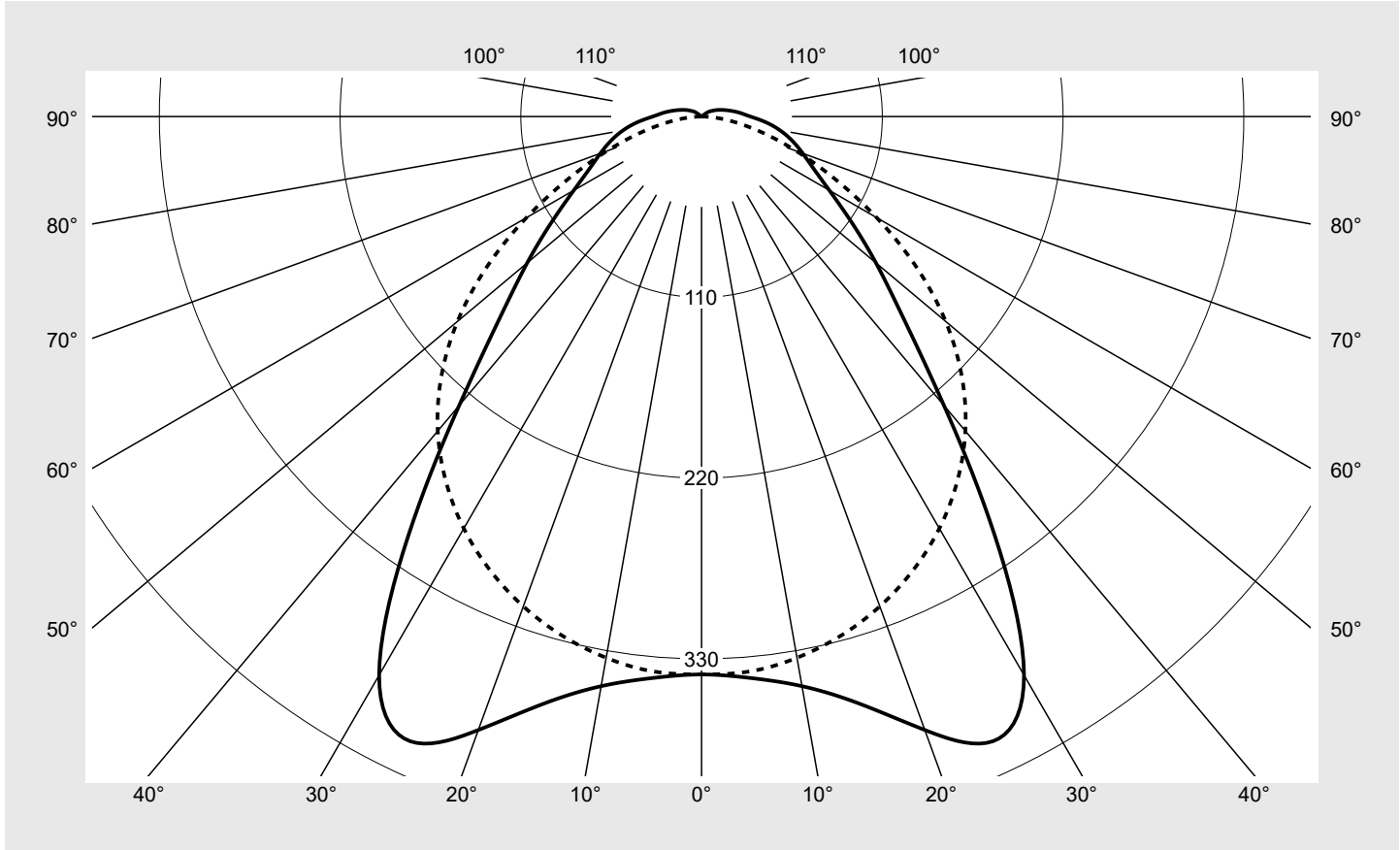


Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BCN4D5M EAN: 4058352918319	LP number 58521_175
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 13520 lm Power consumption = 77.6 W Luminous efficacy = 174.2 lm/W	serial documentation 12.10.2023
		

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 γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
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
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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	22.2	23.8	22.6	24.2	24.5	24.1	25.7	24.4	26.0	26.3
	3H	23.4	24.9	23.8	25.2	25.6	25.1	26.5	25.5	26.9	27.2
	4H	24.1	25.5	24.5	25.8	26.2	25.4	26.8	25.8	27.2	27.5
	6H	24.9	26.1	25.3	26.5	26.9	25.7	27.0	26.1	27.3	27.7
	8H	25.3	26.5	25.7	26.9	27.3	25.8	27.0	26.2	27.4	27.8
	12H	25.7	26.8	26.1	27.2	27.6	25.8	27.0	26.3	27.4	27.8
4H	2H	23.0	24.4	23.4	24.8	25.1	24.5	25.9	24.9	26.2	26.6
	3H	24.4	25.6	24.8	26.0	26.4	25.8	27.0	26.2	27.3	27.7
	4H	25.2	26.3	25.7	26.7	27.1	26.3	27.3	26.7	27.7	28.2
	6H	26.2	27.1	26.6	27.5	28.0	26.6	27.6	27.1	28.0	28.5
	8H	26.6	27.5	27.1	27.9	28.4	26.8	27.6	27.2	28.1	28.5
	12H	27.1	27.9	27.6	28.3	28.8	26.9	27.6	27.4	28.1	28.6
8H	4H	25.7	26.5	26.1	27.0	27.4	26.6	27.4	27.0	27.9	28.3
	6H	26.7	27.5	27.2	27.9	28.4	27.1	27.8	27.6	28.3	28.8
	8H	27.3	28.0	27.8	28.5	29.0	27.3	27.9	27.8	28.4	28.9
	12H	28.0	28.5	28.5	29.0	29.5	27.5	28.0	28.0	28.5	29.0
12H	4H	25.7	26.5	26.2	26.9	27.4	26.6	27.4	27.1	27.8	28.3
	6H	26.9	27.5	27.4	28.0	28.5	27.2	27.8	27.7	28.3	28.8
	8H	27.5	28.1	28.0	28.6	29.1	27.5	28.0	28.0	28.5	29.0

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		24701.6	25958.3	29604.5	35175.9	39188.9	38088.2	37112.4	
50°		21059.6	22077.8	25065.7	29884.2	34310.7	35319.4	35328.8	
55°		18284.6	19189.6	21992.7	26124.7	29811.0	31337.3	32580.4	
60°		16316.7	17014.6	19397.6	23375.1	26100.2	27057.2	28826.0	
65°		15380.0	15852.5	17497.1	20985.7	23182.7	23152.9	24712.1	
70°		15396.3	15620.1	16378.1	18914.3	20757.6	19788.9	21006.9	
75°		15956.2	16007.4	16021.0	17370.1	18513.7	16837.2	17748.2	
80°		16834.4	16745.2	16360.0	16423.8	16599.2	14512.7	14798.8	
85°		18086.5	18005.9	17528.7	16839.4	15714.3	12959.3	12392.2	

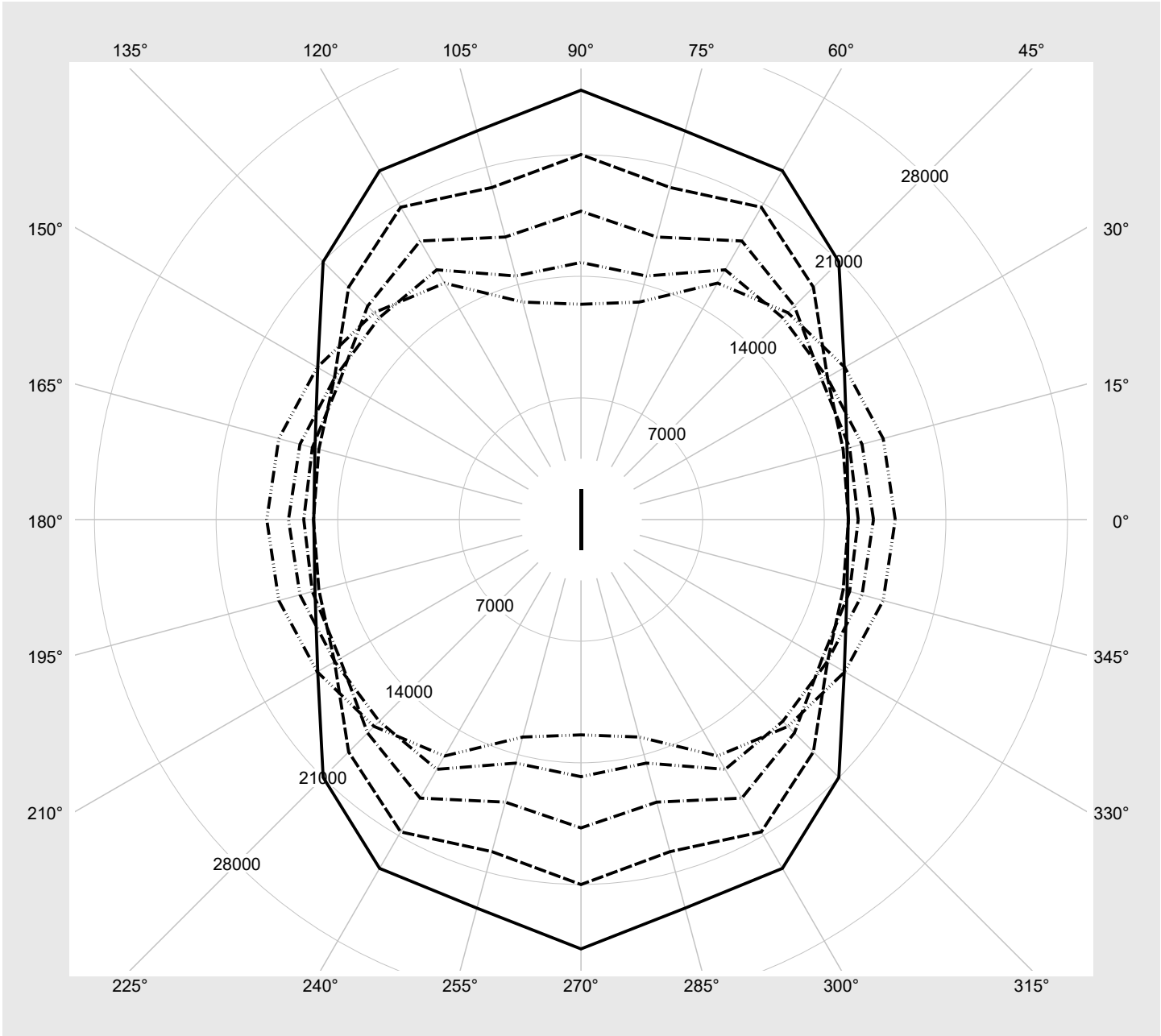
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



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Multilumen Table	environmental temperature: 25°C	sITeco
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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	13520	77.6	87.4	82.5
2	A	C	F	12338	70.1	79.0	74.6
3	A	D	E	11423	64.3	74.9	69.6
4	A	D	F	10422	58.3	65.2	61.8
5	B	C	E	9485	52.6	58.7	55.6
6	B	C	F	8538	47.0	52.2	49.6
7	B	D	E	7580	41.5	46.2	43.8
8	B	D	F	6611	36.0	39.9	38.0