

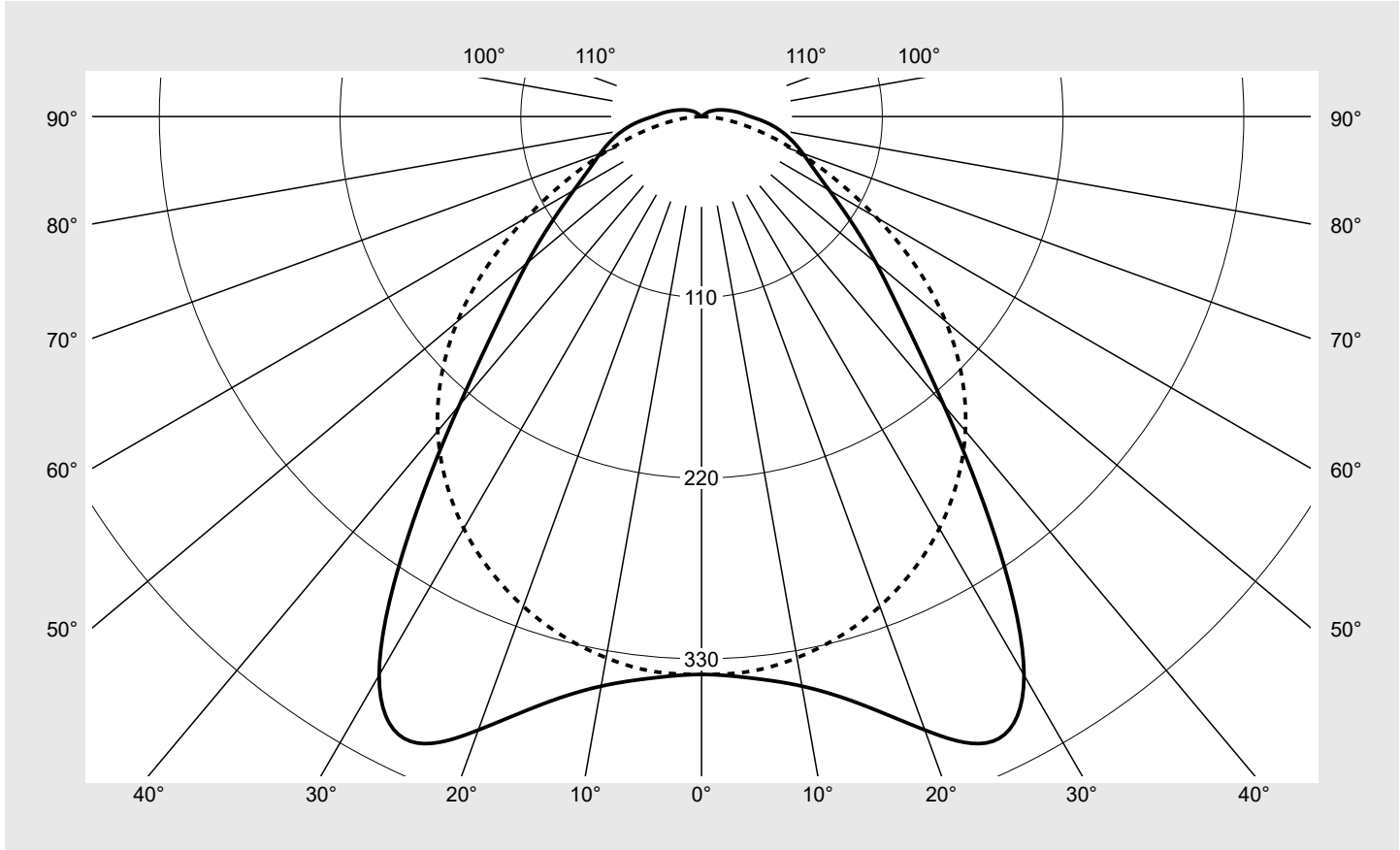


Photometric test report

Family Licross® 21 Protected	Order number: 52TD1BCN4B5M EAN: 4058352903261	LP number 58521_156
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 11820 lm Power consumption = 68.9 W Luminous efficacy = 171.5 lm/W	serial documentation 17.08.2023
		

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
		siteco

C-planes γ	0°	15°	30°	45°	60°	75°	90°	Phi-zone	Total Phi-zone
	180°	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	21.7	23.4	22.1	23.7	24.0	23.6	25.2	24.0	25.5	25.9
	3H	22.9	24.4	23.3	24.7	25.1	24.6	26.1	25.0	26.4	26.8
	4H	23.6	25.0	24.0	25.4	25.7	25.0	26.3	25.4	26.7	27.1
	6H	24.4	25.7	24.8	26.0	26.4	25.2	26.5	25.6	26.9	27.3
	8H	24.8	26.0	25.2	26.4	26.8	25.3	26.5	25.8	26.9	27.3
	12H	25.2	26.3	25.6	26.7	27.1	25.4	26.5	25.8	26.9	27.3
4H	2H	22.6	24.0	23.0	24.3	24.7	24.0	25.4	24.4	25.8	26.1
	3H	24.0	25.1	24.4	25.5	25.9	25.3	26.5	25.7	26.9	27.3
	4H	24.8	25.8	25.2	26.2	26.7	25.8	26.9	26.2	27.3	27.7
	6H	25.7	26.6	26.1	27.0	27.5	26.2	27.1	26.6	27.5	28.0
	8H	26.2	27.0	26.6	27.5	27.9	26.3	27.2	26.8	27.6	28.1
	12H	26.6	27.4	27.1	27.9	28.3	26.4	27.2	26.9	27.6	28.1
8H	4H	25.2	26.0	25.7	26.5	27.0	26.1	26.9	26.6	27.4	27.9
	6H	26.3	27.0	26.8	27.5	28.0	26.6	27.3	27.1	27.8	28.3
	8H	26.9	27.5	27.4	28.0	28.5	26.8	27.5	27.3	27.9	28.5
	12H	27.5	28.0	28.0	28.5	29.1	27.0	27.5	27.5	28.0	28.6
12H	4H	25.3	26.0	25.7	26.5	27.0	26.2	26.9	26.6	27.4	27.9
	6H	26.4	27.0	26.9	27.5	28.0	26.7	27.4	27.2	27.8	28.4
	8H	27.1	27.6	27.6	28.1	28.6	27.0	27.5	27.5	28.0	28.6

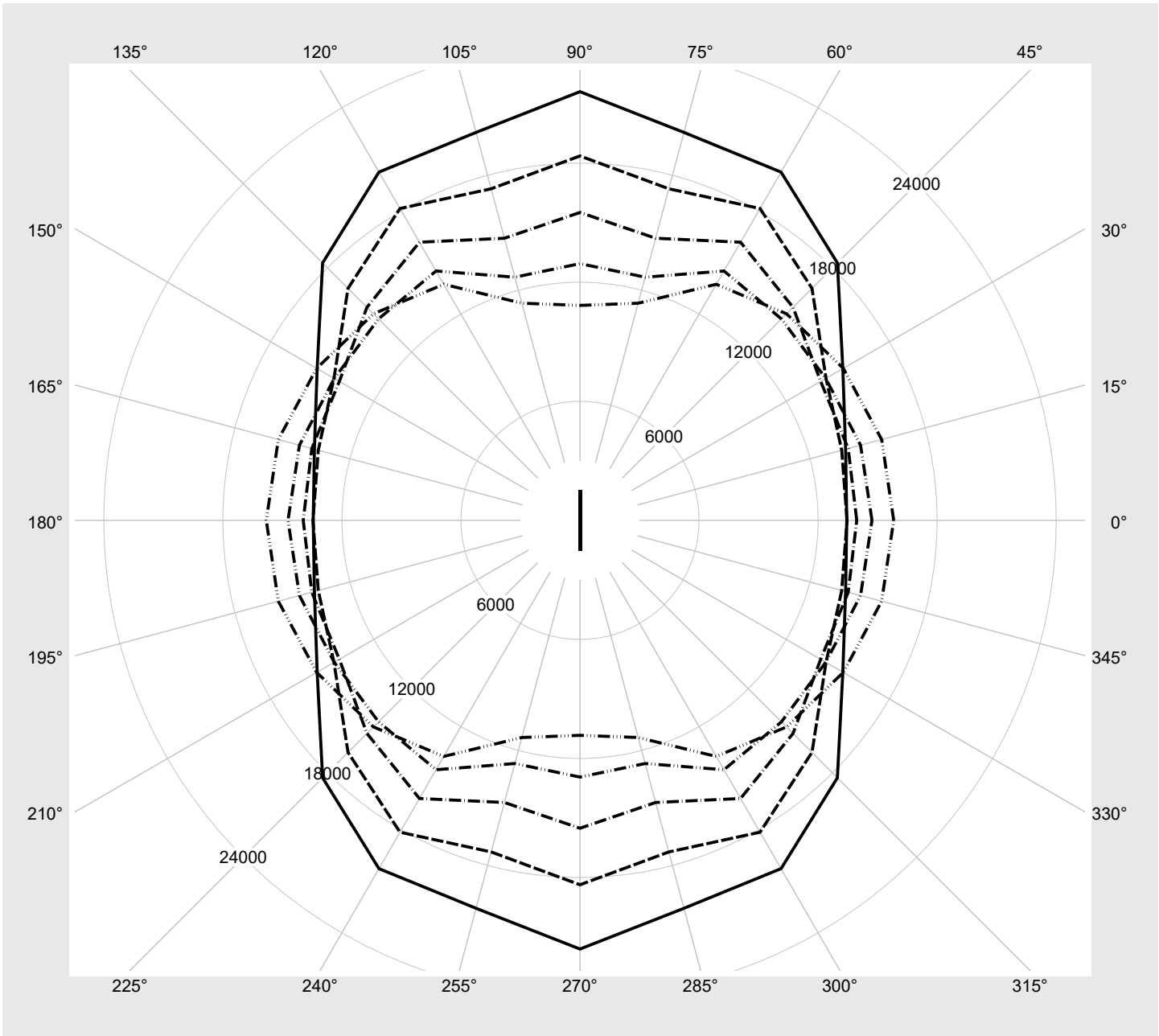
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

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°		21595.6	22694.3	25882.0	30752.9	34261.3	33299.0	32445.9	
50°		18411.6	19301.7	21913.9	26126.6	29996.5	30878.4	30886.5	
55°		15985.5	16776.7	19227.4	22839.8	26062.6	27397.0	28483.7	
60°		14265.1	14875.2	16958.5	20435.9	22818.4	23655.0	25201.5	
65°		13446.1	13859.2	15297.0	18347.0	20267.7	20241.6	21604.8	
70°		13460.4	13656.0	14318.8	16536.0	18147.5	17300.6	18365.5	
75°		13949.9	13994.7	14006.5	15186.0	16185.8	14720.1	15516.5	
80°		14717.7	14639.7	14302.9	14358.7	14512.0	12687.9	12938.0	
85°		15812.3	15741.8	15324.7	14722.1	13738.4	11329.8	10834.0	

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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	Power consumption
	1	2	3			end of lifetime [W]	average [W]
1	A	C	E	11820	68.9	83.2	76.1
2	A	C	F	11421	66.3	80.2	73.2
3	A	D	E	10455	60.3	72.4	66.4
4	A	D	F	9469	54.3	65.0	59.6
5	B	C	E	8545	48.8	58.1	53.4
6	B	C	F	7621	43.3	51.8	47.6
7	B	D	E	6676	37.9	45.0	41.4
8	B	D	F	5721	32.5	38.3	35.4