


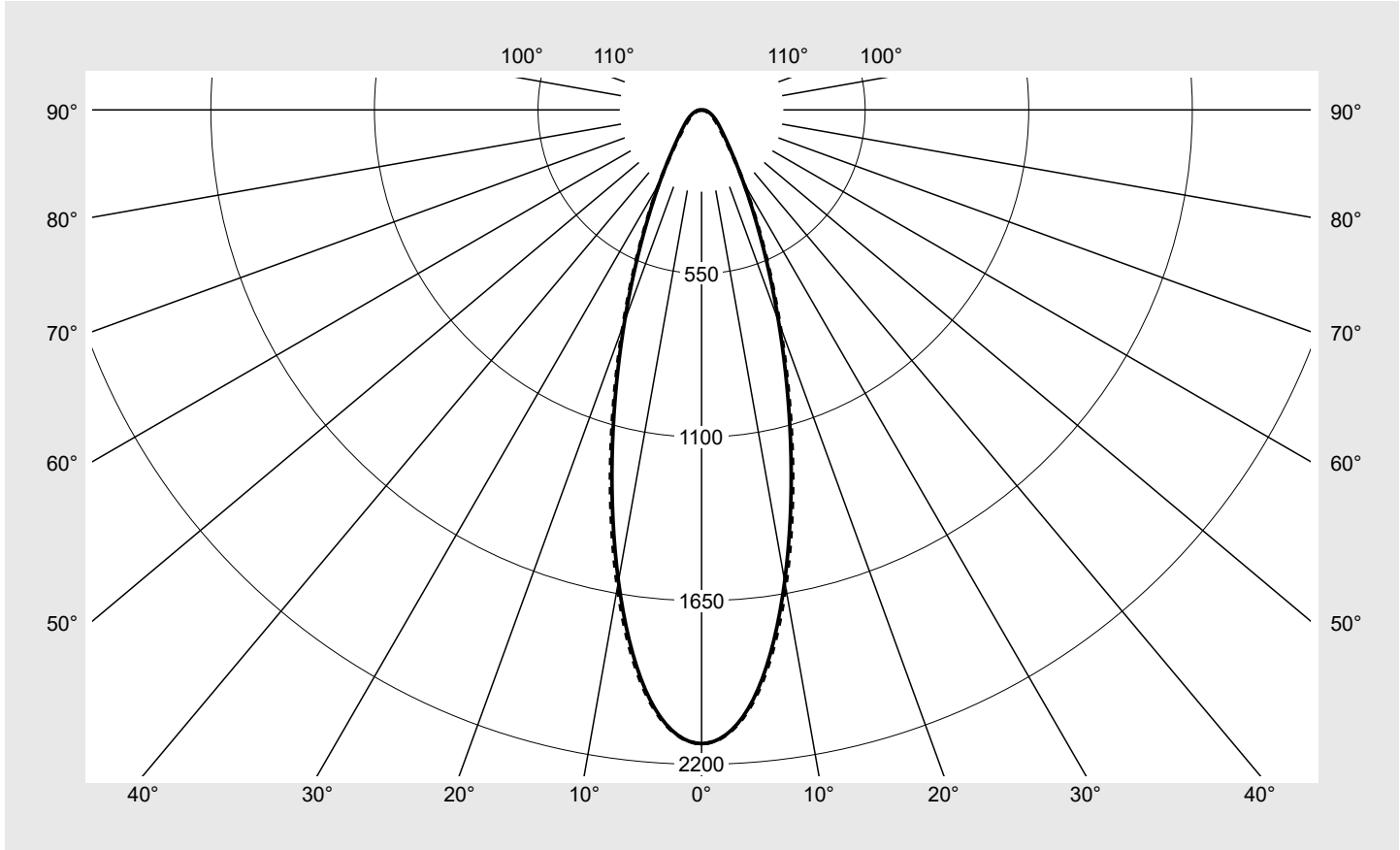
Photometric test report

Family Licross® 21 Protected	Order number: 52TD11MN4FXS EAN: 4058352902684	LP number 58525_180
	Version prismatic cover, frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 15020 lm Power consumption = 83.2 W Luminous efficacy = 180.5 lm/W	serial documentation 24.08.2023





Luminous intensity in cd/klm C180-0 C270-90 **Imax: 2130 cd/klm**



Classifications	
DIN 5040	A 7 1
CIE	N1=84 N2=94 N3=98 N4=99 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	99.1%
ϕ_o	0.9%

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° 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°	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	12.7	12.7
5°	1990.0	1982.4	1972.8	1980.9	1991.5	1994.0	1997.3	94.9	107.6
10°	1609.4	1602.7	1594.9	1604.0	1616.7	1623.6	1628.9	153.3	260.9
15°	1156.5	1152.7	1146.1	1151.7	1161.7	1170.4	1176.7	164.3	425.2
20°	757.1	754.5	751.0	754.8	760.5	766.7	772.3	142.2	567.4
25°	464.1	463.3	461.4	464.7	468.5	471.4	475.4	108.1	675.5
30°	281.8	280.0	276.3	277.8	280.6	282.2	284.6	76.7	752.2
35°	178.8	175.8	169.5	168.1	169.9	172.0	174.0	54.1	806.3
40°	123.8	119.7	111.6	107.8	108.9	112.2	115.0	39.9	846.2
45°	92.5	87.9	79.0	74.1	74.5	78.8	82.8	31.1	877.3
50°	72.9	68.3	60.1	54.9	54.7	59.1	63.7	25.6	902.9
55°	58.5	54.5	47.8	42.9	42.0	45.8	50.2	21.5	924.4
60°	46.6	43.5	38.6	34.6	32.9	35.6	39.1	18.0	942.5
65°	36.7	34.5	31.1	28.0	26.1	27.3	29.5	14.9	957.4
70°	28.5	27.0	24.6	22.5	20.4	20.1	21.2	12.0	969.4
75°	21.8	20.7	19.0	17.5	15.4	14.0	14.0	9.2	978.6
80°	16.2	15.4	14.3	12.9	10.9	8.9	8.1	6.7	985.3
85°	11.7	11.2	10.3	9.1	7.1	4.7	3.5	4.6	989.8
90°	8.1	7.7	6.9	5.8	3.9	1.7	0.3	2.8	992.6
95°	6.9	6.6	5.8	4.7	3.0	1.1	0.2	2.3	994.8
100°	6.0	5.6	4.9	3.8	2.2	0.6	0.2	1.8	996.7
105°	5.1	4.8	4.0	2.9	1.5	0.3	0.2	1.4	998.1
110°	4.3	4.0	3.2	2.2	0.9	0.2	0.2	1.1	999.2
115°	3.6	3.2	2.5	1.6	0.5	0.3	0.3	0.8	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	17.5	18.7	17.8	19.0	19.3	17.1	18.3	17.5	18.6	18.9
	3H	18.6	19.6	18.9	20.0	20.3	18.0	19.1	18.4	19.4	19.8
	4H	19.1	20.0	19.5	20.4	20.8	18.4	19.4	18.8	19.7	20.1
	6H	19.5	20.4	20.0	20.8	21.2	18.7	19.6	19.1	19.9	20.3
	8H	19.8	20.6	20.3	21.0	21.4	18.9	19.6	19.3	20.0	20.4
	12H	20.0	20.7	20.5	21.1	21.5	18.9	19.6	19.4	20.0	20.4
4H	2H	17.7	18.7	18.1	19.1	19.4	17.4	18.4	17.8	18.7	19.1
	3H	19.0	19.8	19.4	20.2	20.6	18.5	19.3	18.9	19.7	20.1
	4H	19.6	20.4	20.1	20.8	21.2	19.0	19.7	19.4	20.1	20.6
	6H	20.3	20.9	20.7	21.3	21.8	19.4	20.0	19.8	20.4	20.9
	8H	20.6	21.1	21.0	21.6	22.0	19.5	20.1	20.0	20.5	21.0
	12H	20.9	21.3	21.4	21.8	22.3	19.6	20.1	20.1	20.6	21.1
8H	4H	19.8	20.4	20.3	20.8	21.3	19.2	19.8	19.7	20.2	20.7
	6H	20.6	21.0	21.1	21.5	22.0	19.7	20.2	20.2	20.7	21.2
	8H	21.0	21.4	21.5	21.9	22.4	19.9	20.3	20.4	20.8	21.4
	12H	21.4	21.7	21.9	22.2	22.7	20.1	20.4	20.6	20.9	21.5
12H	4H	19.8	20.3	20.3	20.8	21.3	19.3	19.7	19.8	20.2	20.7
	6H	20.6	21.0	21.2	21.5	22.0	19.8	20.2	20.4	20.7	21.2
	8H	21.1	21.4	21.6	21.9	22.4	20.1	20.4	20.6	20.9	21.5

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

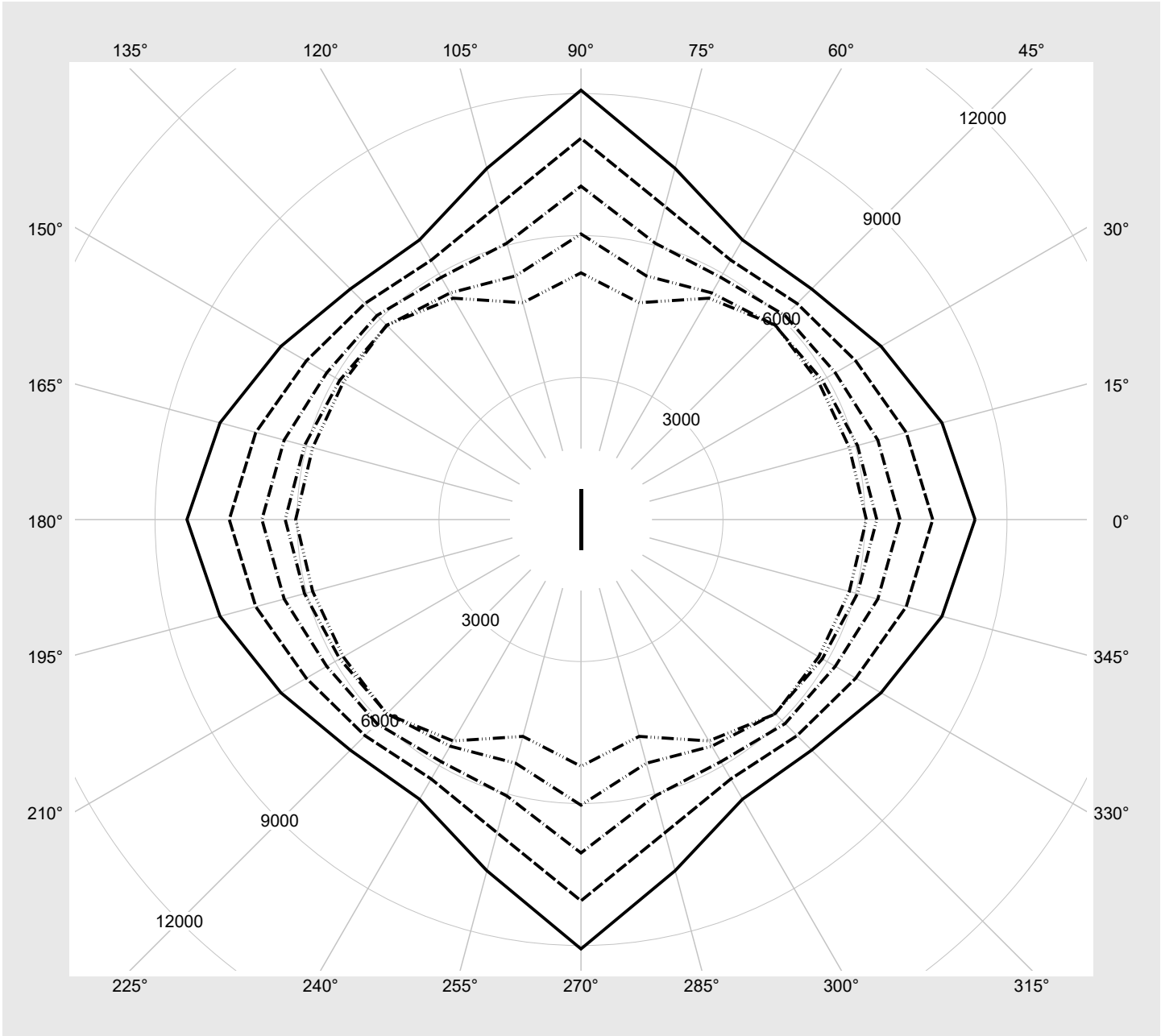
C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		14593.5	13924.1	12705.8	12199.4	12658.3	13903.5	15226.6	
50°		12312.1	11602.1	10386.5	9750.5	10063.6	11384.1	12885.2	
55°		10725.6	10058.3	8988.6	8332.9	8508.4	9793.7	11389.5	
60°		9419.6	8859.8	8035.4	7467.4	7491.4	8625.7	10174.7	
65°		8325.5	7896.5	7320.5	6891.0	6822.8	7681.3	9072.0	
70°		7431.1	7113.8	6702.9	6456.3	6329.3	6850.2	8055.4	
75°		6741.9	6492.0	6203.4	6097.5	5907.9	6046.9	7044.5	
80°		6250.1	6047.5	5886.4	5798.4	5529.3	5330.8	6034.7	
85°		6028.4	5869.2	5800.1	5808.5	5401.0	4743.4	5213.0	

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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 Protected

Order number: 52TD11MN4FXS
EAN: 4058352902684

LP number
58525_180

Multilumen Table

environmental temperature: 25°C

siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	15020	83.2
2	A	C	F	14106	78.5
3	A	D	E	13108	72.4
4	A	D	F	12100	66.3
5	B	C	E	11081	60.3
6	B	C	F	10041	54.3
7	B	D	E	9065	48.8
8	B	D	F	8077	43.3