



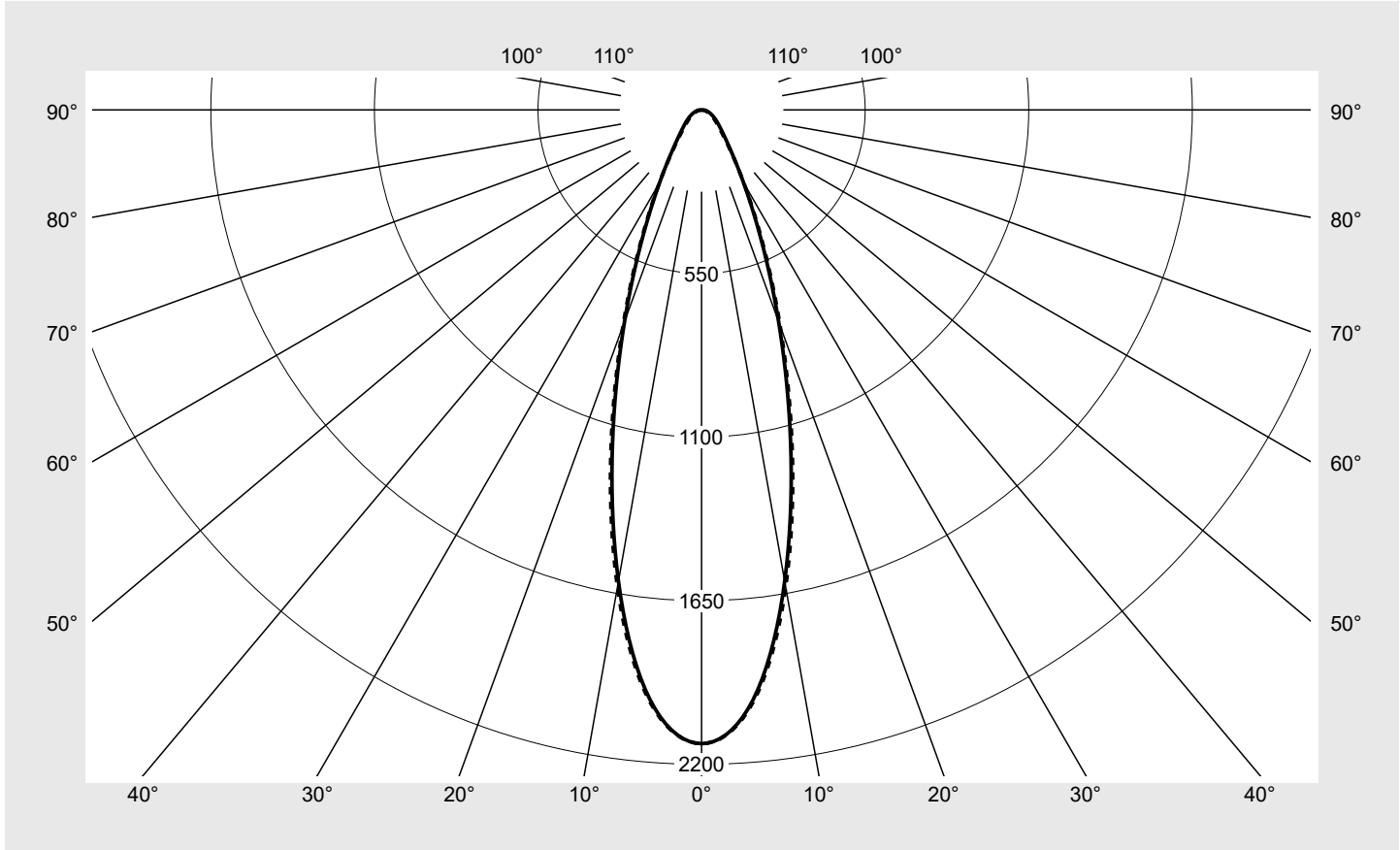
Photometric test report

Family Licross® 21 Protected	Order number: 52TP11CN4C5S EAN: 4058352903643	LP number 58525_165
	Version prismatic cover, frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 12650 lm Power consumption = 68.9 W Luminous efficacy = 183.6 lm/W	serial documentation 17.08.2023





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°	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
	180°	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	16.9	18.1	17.2	18.4	18.7	16.5	17.7	16.9	18.0	18.4
	3H	18.0	19.0	18.3	19.4	19.7	17.4	18.5	17.8	18.8	19.2
	4H	18.5	19.4	18.9	19.8	20.2	17.8	18.8	18.2	19.1	19.5
	6H	18.9	19.8	19.4	20.2	20.6	18.1	19.0	18.5	19.4	19.7
	8H	19.2	20.0	19.7	20.4	20.8	18.3	19.0	18.7	19.4	19.8
	12H	19.4	20.1	19.9	20.5	20.9	18.3	19.0	18.8	19.4	19.8
4H	2H	17.1	18.1	17.5	18.5	18.8	16.8	17.8	17.2	18.2	18.5
	3H	18.4	19.2	18.8	19.6	20.0	17.9	18.7	18.3	19.1	19.5
	4H	19.0	19.8	19.5	20.2	20.6	18.4	19.1	18.8	19.5	20.0
	6H	19.7	20.3	20.1	20.7	21.2	18.8	19.4	19.2	19.8	20.3
	8H	20.0	20.5	20.4	21.0	21.5	18.9	19.5	19.4	19.9	20.4
	12H	20.3	20.7	20.8	21.2	21.7	19.0	19.5	19.5	20.0	20.5
8H	4H	19.2	19.8	19.7	20.2	20.7	18.6	19.2	19.1	19.6	20.1
	6H	20.0	20.4	20.5	20.9	21.4	19.2	19.6	19.7	20.1	20.6
	8H	20.4	20.8	20.9	21.3	21.8	19.3	19.7	19.8	20.2	20.8
	12H	20.8	21.1	21.3	21.6	22.2	19.5	19.8	20.0	20.3	20.9
12H	4H	19.3	19.7	19.7	20.2	20.7	18.7	19.1	19.2	19.6	20.1
	6H	20.0	20.4	20.6	20.9	21.4	19.2	19.6	19.8	20.1	20.6
	8H	20.5	20.8	21.0	21.3	21.9	19.5	19.8	20.0	20.3	20.9

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°		12290.8	11727.0	10700.9	10274.5	10660.9	11709.7	12824.0	
50°		10369.4	9771.4	8747.6	8212.0	8475.7	9587.8	10852.1	
55°		9033.3	8471.2	7570.3	7018.0	7165.8	8248.4	9592.3	
60°		7933.3	7461.9	6767.5	6289.1	6309.4	7264.6	8569.2	
65°		7011.9	6650.5	6165.4	5803.7	5746.3	6469.3	7640.5	
70°		6258.6	5991.3	5645.2	5437.6	5330.6	5769.3	6784.3	
75°		5678.1	5467.6	5224.5	5135.4	4975.7	5092.7	5932.9	
80°		5263.9	5093.2	4957.6	4883.5	4656.8	4489.6	5082.5	
85°		5077.2	4943.1	4884.9	4892.0	4548.8	3994.9	4390.5	

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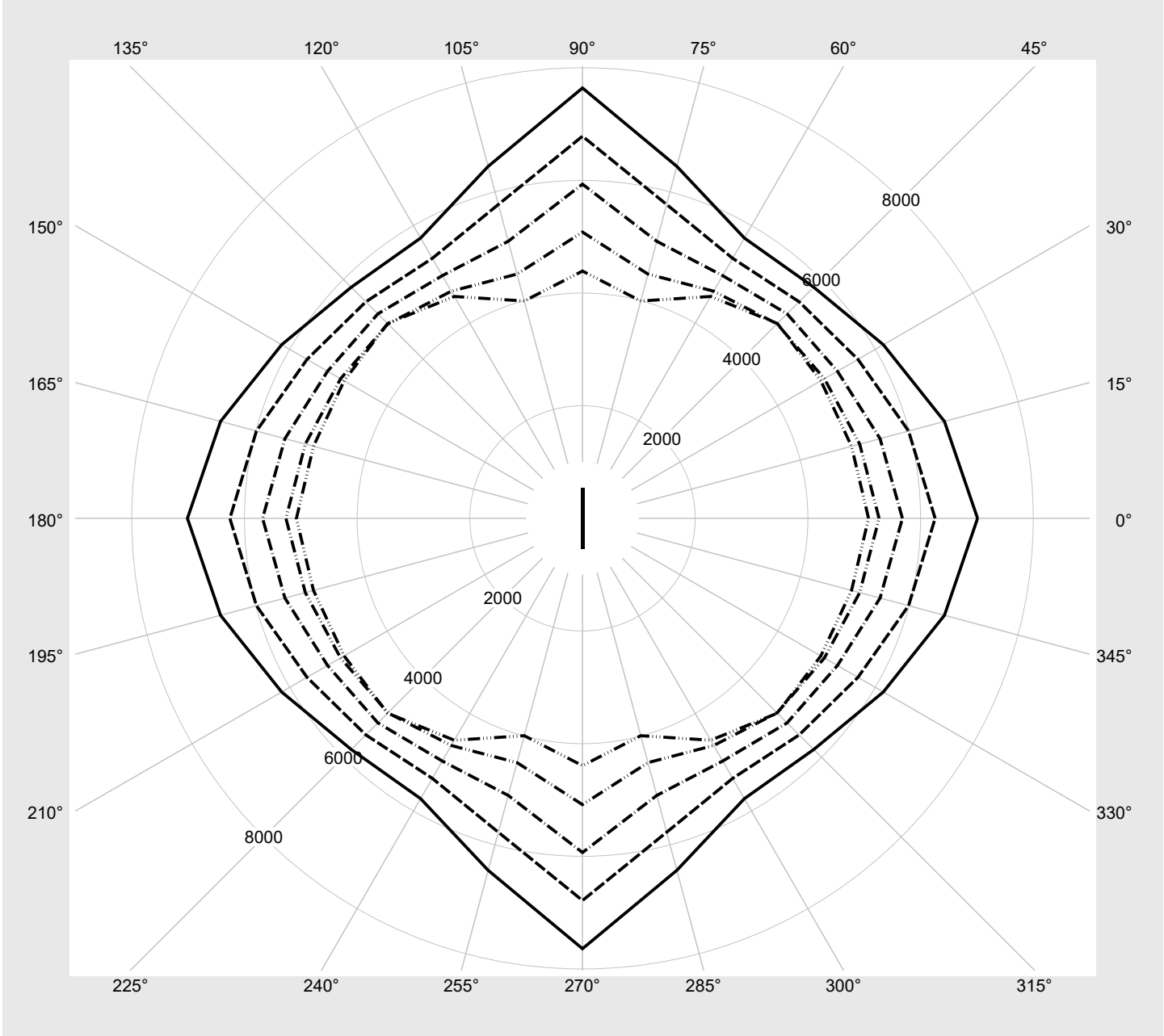
Family
Licross® 21 Protected

Order number: 52TP11CN4C5S
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LP number
58525_165

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	siteco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			[W] end of lifetime	[W] average
1	A	C	E	12650	68.9	83.2	76.1
2	A	C	F	12209	66.3	80.2	73.2
3	A	D	E	11180	60.3	72.4	66.4
4	A	D	F	10130	54.3	65.0	59.6
5	B	C	E	9144	48.8	58.1	53.4
6	B	C	F	8146	43.3	51.8	47.6
7	B	D	E	7139	37.9	45.0	41.4
8	B	D	F	6120	32.5	38.3	35.4