

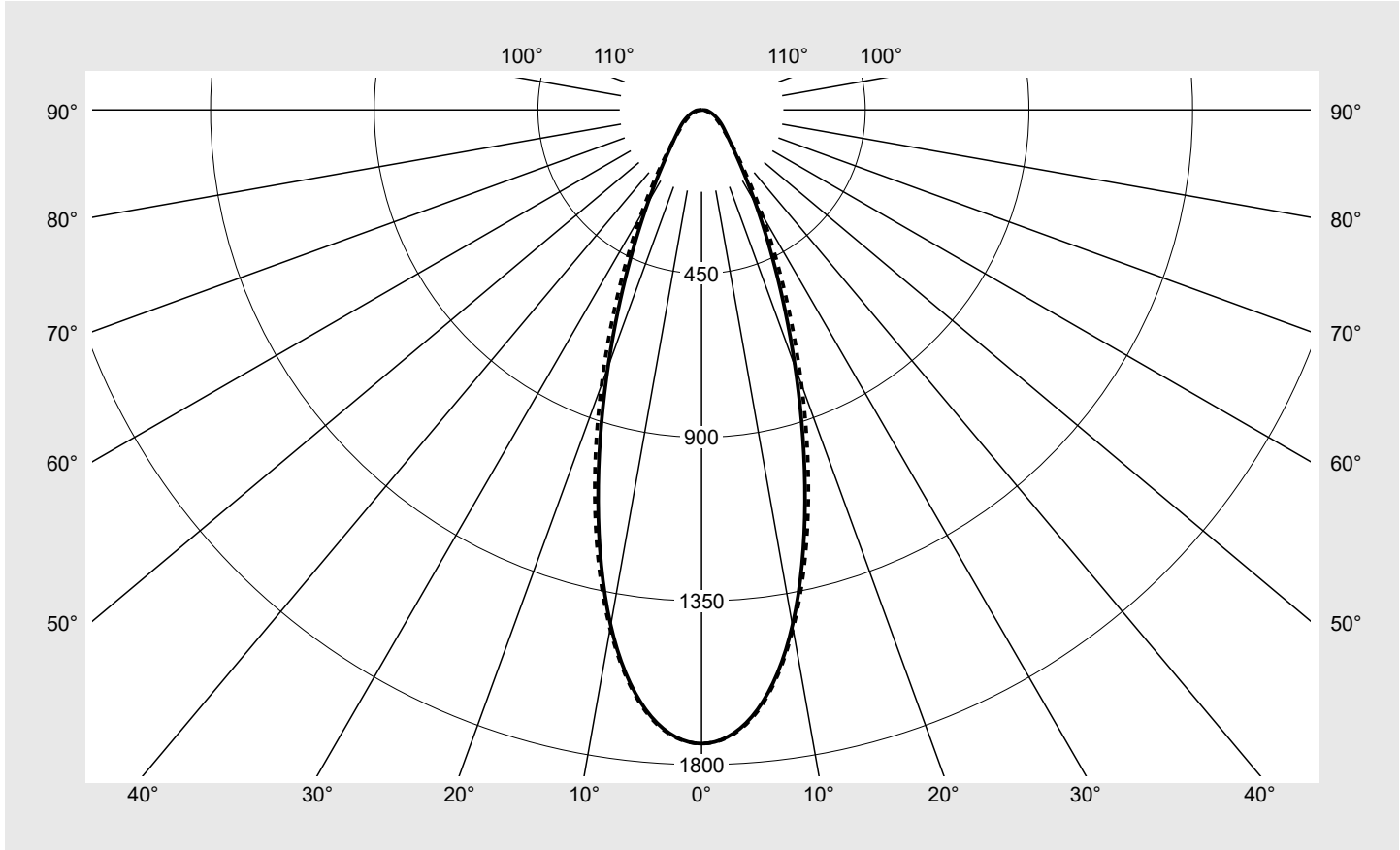


Photometric test report

Family Licross® 21 Protected	Order number: 52TD11MN4A5G EAN: 4058352902660	LP number 58526_210
	Version prismatic cover, frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 10700 lm Power consumption = 60.5 W Luminous efficacy = 176.9 lm/W	serial documentation 24.08.2023
		

Luminous intensity in cd/klm **C180-0** **C270-90** **Imax: 1742 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=83 N2=94 N3=98 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
 DIN EN 13032 and DIN 5032

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siteco

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°	1742.2	1742.2	1742.2	1742.2	1742.2	1742.2	1742.2	10.4	10.4
5°	1666.1	1675.3	1660.6	1665.8	1671.6	1669.6	1670.7	79.7	90.1
10°	1438.7	1454.0	1443.6	1449.9	1452.8	1449.1	1448.5	137.9	228.0
15°	1099.0	1113.1	1114.3	1128.7	1137.3	1134.2	1132.4	159.4	387.5
20°	752.6	761.9	768.4	788.3	803.8	805.8	803.7	147.1	534.5
25°	477.8	482.8	489.1	506.4	523.2	529.8	529.1	117.2	651.7
30°	296.4	297.2	300.0	310.9	324.6	332.2	333.5	85.9	737.6
35°	189.3	187.5	185.3	189.4	198.7	205.9	208.7	61.1	798.7
40°	131.6	127.9	121.5	120.2	125.3	132.4	136.6	44.7	843.4
45°	99.4	94.4	85.5	81.0	83.2	90.3	95.8	34.4	877.7
50°	79.8	74.4	64.7	58.7	59.3	65.8	72.1	27.9	905.7
55°	65.2	60.1	51.3	45.2	44.8	50.3	56.0	23.4	929.0
60°	52.4	48.1	41.3	36.1	35.0	38.9	43.4	19.6	948.6
65°	41.2	37.9	33.1	29.2	27.7	29.8	32.8	16.1	964.7
70°	31.9	29.5	26.2	23.4	21.7	22.1	23.6	12.9	977.6
75°	24.4	22.6	20.2	18.2	16.5	15.4	15.7	10.0	987.6
80°	18.3	17.0	15.2	13.6	11.8	9.9	9.2	7.3	994.9
85°	13.3	12.5	11.1	9.7	7.7	5.4	4.2	5.0	1000.0
90°	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	16.8	18.1	17.2	18.4	18.7	16.7	17.9	17.0	18.2	18.5
	3H	17.9	19.0	18.3	19.4	19.7	17.6	18.7	17.9	19.0	19.3
	4H	18.5	19.5	18.8	19.8	20.2	17.9	18.9	18.3	19.3	19.7
	6H	19.0	19.9	19.4	20.2	20.6	18.2	19.1	18.7	19.5	19.9
	8H	19.3	20.0	19.7	20.4	20.8	18.4	19.2	18.9	19.6	20.0
	12H	19.5	20.2	19.9	20.6	21.0	18.5	19.2	18.9	19.6	20.0
4H	2H	17.0	18.1	17.4	18.4	18.8	16.9	17.9	17.3	18.3	18.7
	3H	18.3	19.2	18.8	19.6	20.0	18.0	18.8	18.4	19.2	19.6
	4H	19.0	19.8	19.4	20.2	20.6	18.5	19.2	18.9	19.6	20.1
	6H	19.7	20.3	20.1	20.7	21.2	18.9	19.5	19.3	19.9	20.4
	8H	20.0	20.5	20.5	21.0	21.5	19.0	19.6	19.5	20.0	20.5
	12H	20.3	20.8	20.8	21.3	21.8	19.2	19.6	19.6	20.1	20.6
8H	4H	19.2	19.7	19.7	20.2	20.7	18.7	19.2	19.2	19.7	20.2
	6H	20.0	20.4	20.4	20.9	21.4	19.2	19.7	19.7	20.1	20.6
	8H	20.4	20.8	20.9	21.3	21.8	19.4	19.8	19.9	20.3	20.8
	12H	20.8	21.2	21.4	21.7	22.2	19.6	19.9	20.1	20.5	21.0
12H	4H	19.2	19.7	19.7	20.1	20.6	18.7	19.2	19.2	19.7	20.2
	6H	20.0	20.4	20.5	20.9	21.4	19.3	19.7	19.8	20.2	20.7
	8H	20.5	20.8	21.0	21.3	21.9	19.6	19.9	20.1	20.4	21.0

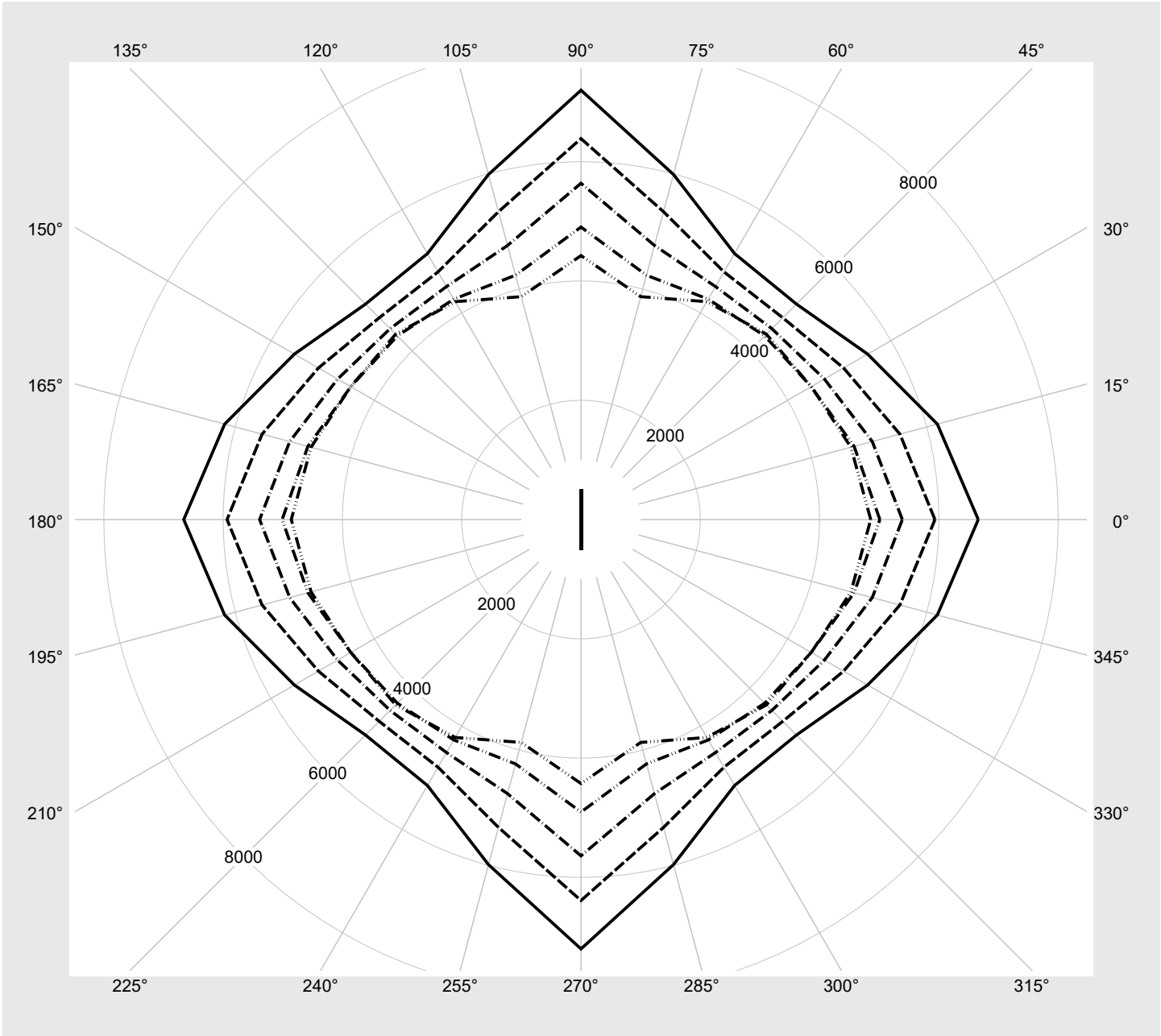
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

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°		11171.1	10659.2	9790.8	9501.3	10072.2	11345.8	12552.9	
50°		9600.2	8997.1	7962.3	7424.2	7776.8	9030.1	10394.5	
55°		8506.7	7892.2	6876.9	6251.4	6473.2	7655.0	9056.0	
60°		7535.5	6979.3	6127.3	5551.5	5663.4	6711.6	8042.8	
65°		6661.1	6185.5	5549.4	5109.7	5149.8	5990.8	7199.6	
70°		5935.1	5535.8	5083.7	4785.1	4795.1	5344.6	6387.6	
75°		5388.4	5055.9	4712.7	4526.3	4511.1	4758.4	5639.0	
80°		5011.2	4741.2	4456.7	4355.3	4267.3	4241.8	4904.3	
85°		4858.0	4685.5	4458.2	4395.7	4219.1	3869.2	4426.2	

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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	sITeco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	10700	60.5
2	A	C	F	9818	56.1
3	A	D	E	9335	53.1
4	A	D	F	8841	50.0
5	B	C	E	8348	47.0
6	B	C	F	7844	43.9
7	B	D	E	7329	41.0
8	B	D	F	6899	38.4