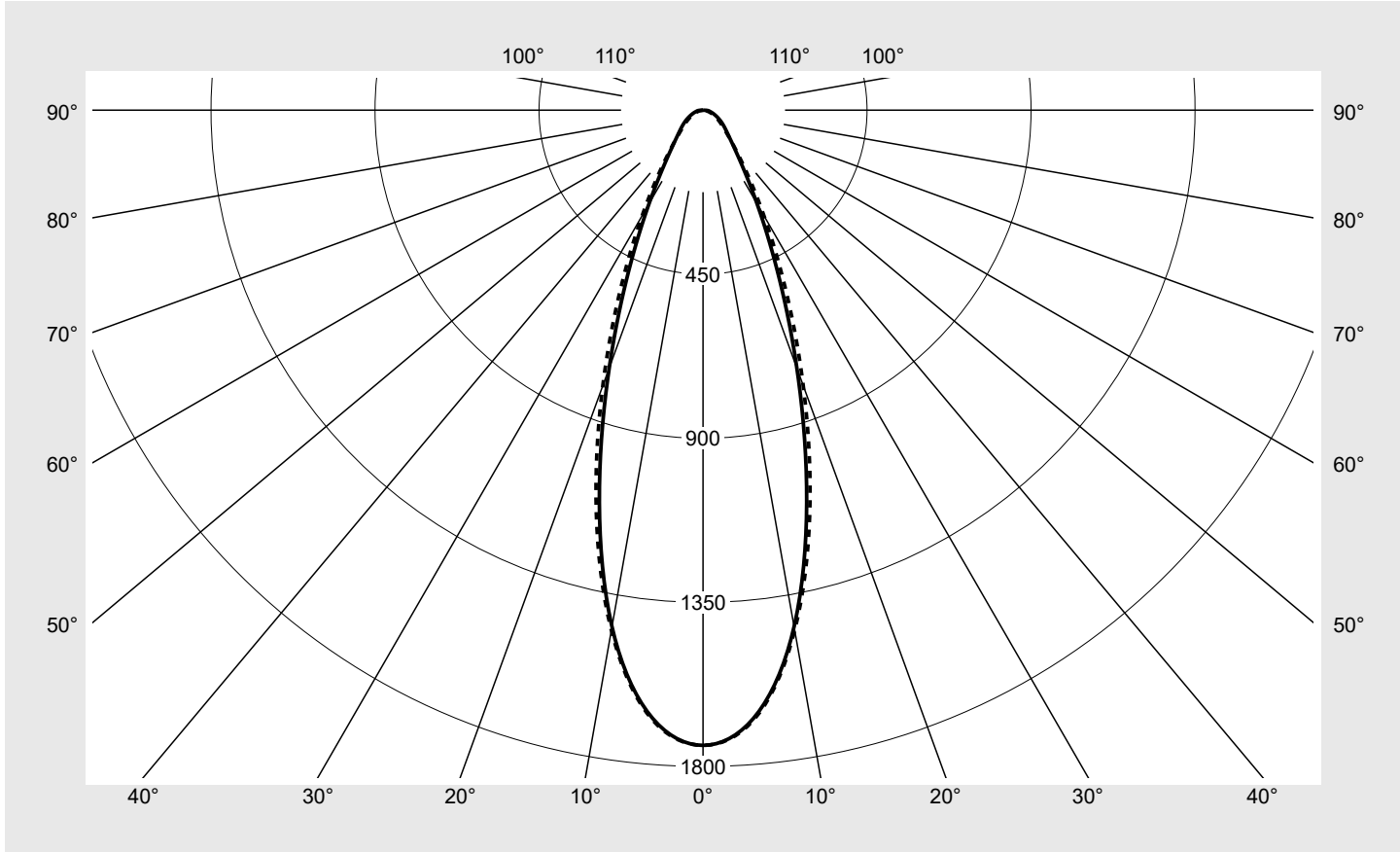


Photometric test report

Family Licross® 21 Protected	Order number: 52TP11DN4AXG EAN: 4058352903704	LP number 58526_179
Version	prismatic cover, frosted, narrow distribution	serial documentation 03.08.2023
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG-DALI	
Rated values	Net luminous flux = 10000 lm Power consumption = 57.8 W Luminous efficacy = 173 lm/W	



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

Photometric test report

Family Licross® 21 Protected	Order number: 52TP11DN4AXG EAN: 4058352903704	LP number 58526_179
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°	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

Photometric test report

Family Licross® 21 Protected	Order number: 52TP11DN4AXG EAN: 4058352903704	LP number 58526_179
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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	16.6	17.8	16.9	18.1	18.5	16.4	17.7	16.8	18.0	18.3
	3H	17.7	18.8	18.1	19.1	19.5	17.3	18.4	17.7	18.8	19.1
	4H	18.2	19.2	18.6	19.6	20.0	17.7	18.7	18.1	19.1	19.4
	6H	18.7	19.6	19.1	20.0	20.4	18.0	18.9	18.4	19.3	19.7
	8H	19.0	19.8	19.5	20.2	20.6	18.2	19.0	18.6	19.3	19.8
	12H	19.3	20.0	19.7	20.4	20.8	18.3	19.0	18.7	19.4	19.8
4H	2H	16.8	17.8	17.2	18.2	18.6	16.7	17.7	17.1	18.0	18.4
	3H	18.1	19.0	18.5	19.3	19.8	17.7	18.6	18.2	19.0	19.4
	4H	18.8	19.5	19.2	19.9	20.4	18.2	19.0	18.7	19.4	19.8
	6H	19.4	20.1	19.9	20.5	21.0	18.6	19.3	19.1	19.7	20.2
	8H	19.7	20.3	20.2	20.8	21.2	18.8	19.3	19.3	19.8	20.3
	12H	20.1	20.6	20.6	21.0	21.5	18.9	19.4	19.4	19.9	20.4
8H	4H	18.9	19.5	19.4	20.0	20.4	18.4	19.0	18.9	19.5	19.9
	6H	19.7	20.2	20.2	20.7	21.2	19.0	19.4	19.5	19.9	20.4
	8H	20.1	20.5	20.6	21.0	21.6	19.2	19.6	19.7	20.1	20.6
	12H	20.6	20.9	21.1	21.4	22.0	19.4	19.7	19.9	20.2	20.8
12H	4H	19.0	19.4	19.5	19.9	20.4	18.5	19.0	19.0	19.4	19.9
	6H	19.8	20.2	20.3	20.7	21.2	19.1	19.4	19.6	19.9	20.5
	8H	20.3	20.6	20.8	21.1	21.6	19.3	19.7	19.9	20.2	20.7

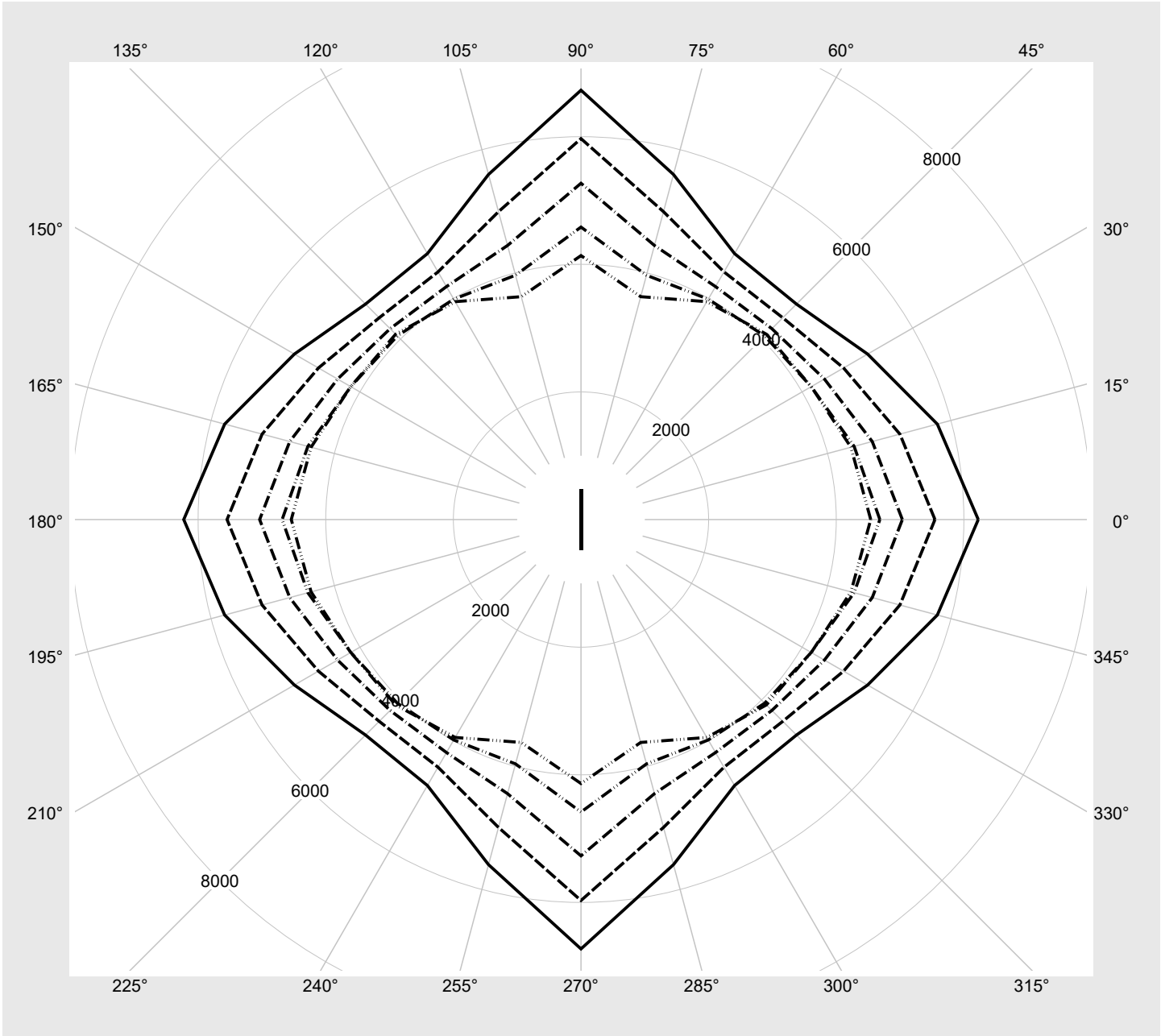
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

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°		10440.3	9961.8	9150.3	8879.7	9413.2	10603.6	11731.7	
50°		8972.1	8408.5	7441.4	6938.5	7268.0	8439.3	9714.5	
55°		7950.2	7375.9	6427.0	5842.4	6049.8	7154.2	8463.5	
60°		7042.5	6522.7	5726.4	5188.3	5292.9	6272.5	7516.6	
65°		6225.3	5780.9	5186.4	4775.4	4812.9	5598.9	6728.6	
70°		5546.8	5173.6	4751.2	4472.0	4481.4	4995.0	5969.7	
75°		5035.9	4725.1	4404.4	4230.2	4216.0	4447.1	5270.1	
80°		4683.3	4431.0	4165.1	4070.4	3988.2	3964.3	4583.5	
85°		4540.2	4379.0	4166.5	4108.1	3943.1	3616.0	4136.7	

Photometric test report

Family Licross® 21 Protected	Order number: 52TP11DN4AXG EAN: 4058352903704	LP number 58526_179
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Licross® 21 Protected	Order number: 52TP11DN4AXG EAN: 4058352903704	LP number 58526_179
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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	10000	57.8
95	240	252	9493	54.6
90	227	250	9017	51.6
85	213	248	8499	48.5
80	200	245	8012	45.6
75	186	243	7483	42.5
70	173	240	6988	39.5
65	160	237	6489	36.7
60	147	234	5984	33.7
55	135	231	5518	31.1
50	122	227	5004	28.2
45	109	223	4486	25.4
40	97	219	4004	22.8
35	85	214	3517	20.2
30	72	208	2989	17.5
25	60	201	2496	14.9
20	48	193	1999	12.3
15	36	182	1499	9.6
10	24	168	996	7.2
5	12	142	493	4.7
2	4	102	153	3.0