

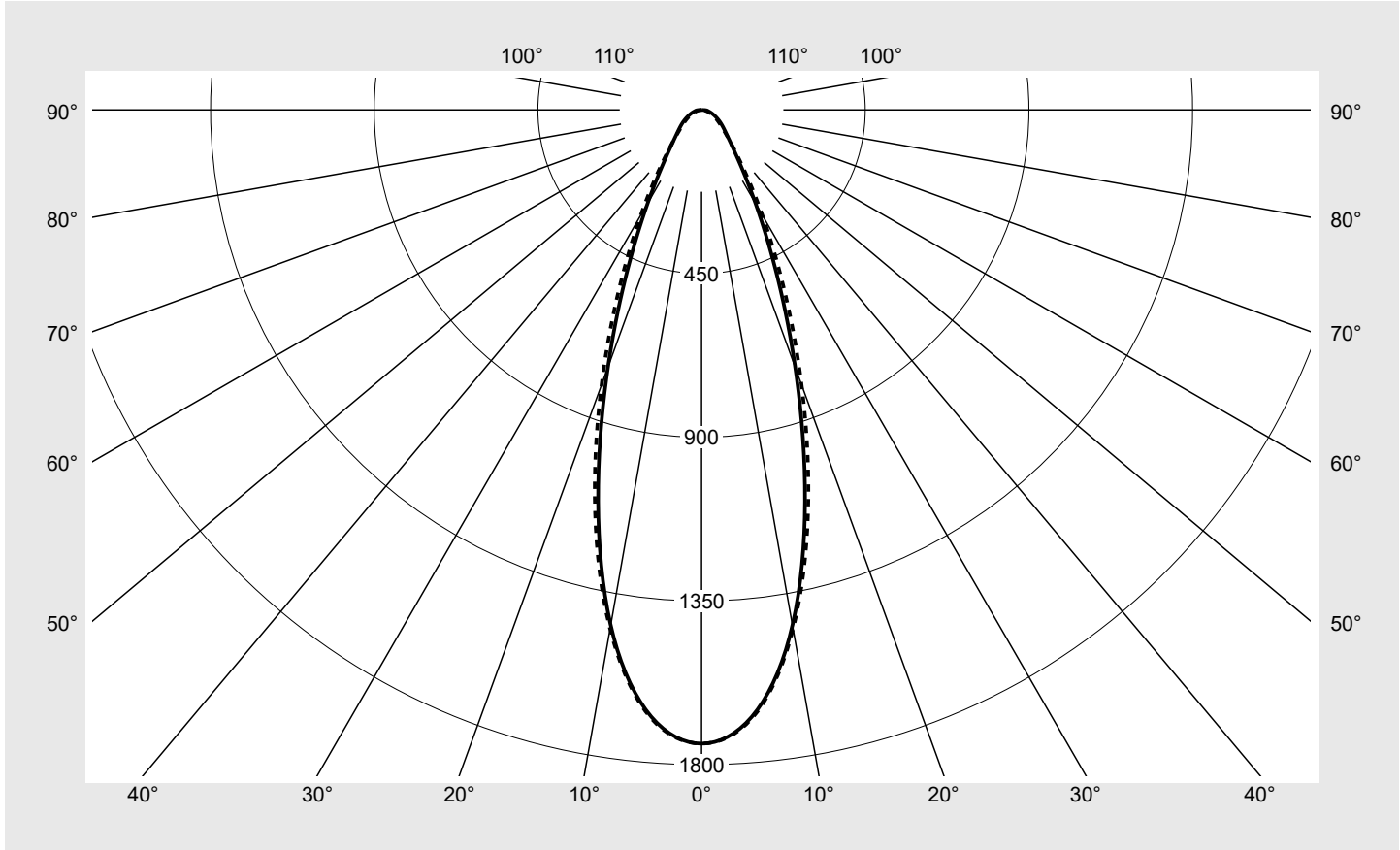


Photometric test report

Family Licross® 11 Protected	Order number: 51TS11VN465F EAN: 4058352474884	LP number 58526_37
	Version prismatic cover, frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI CLO	serial documentation 25.01.2021
	Rated values Net luminous flux = 6910 lm Power consumption = 42.6 W Luminous efficacy = 162.2 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

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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	15.3	16.5	15.7	16.8	17.2	15.2	16.4	15.5	16.7	17.0
	3H	16.4	17.5	16.8	17.8	18.2	16.0	17.1	16.4	17.5	17.8
	4H	16.9	17.9	17.3	18.3	18.7	16.4	17.4	16.8	17.8	18.2
	6H	17.4	18.3	17.9	18.7	19.1	16.7	17.6	17.1	18.0	18.4
	8H	17.8	18.5	18.2	18.9	19.3	16.9	17.7	17.3	18.1	18.5
	12H	18.0	18.7	18.4	19.1	19.5	17.0	17.7	17.4	18.1	18.5
4H	2H	15.5	16.5	15.9	16.9	17.3	15.4	16.4	15.8	16.8	17.1
	3H	16.8	17.7	17.3	18.1	18.5	16.4	17.3	16.9	17.7	18.1
	4H	17.5	18.2	17.9	18.7	19.1	16.9	17.7	17.4	18.1	18.5
	6H	18.1	18.8	18.6	19.2	19.7	17.3	18.0	17.8	18.4	18.9
	8H	18.5	19.0	18.9	19.5	20.0	17.5	18.1	18.0	18.5	19.0
	12H	18.8	19.3	19.3	19.7	20.2	17.6	18.1	18.1	18.6	19.1
8H	4H	17.7	18.2	18.1	18.7	19.2	17.2	17.7	17.6	18.2	18.7
	6H	18.4	18.9	18.9	19.4	19.9	17.7	18.1	18.2	18.6	19.1
	8H	18.8	19.3	19.4	19.8	20.3	17.9	18.3	18.4	18.8	19.3
	12H	19.3	19.6	19.8	20.2	20.7	18.1	18.4	18.6	18.9	19.5
12H	4H	17.7	18.2	18.2	18.6	19.1	17.2	17.7	17.7	18.1	18.6
	6H	18.5	18.9	19.0	19.4	19.9	17.8	18.2	18.3	18.6	19.2
	8H	19.0	19.3	19.5	19.8	20.3	18.1	18.4	18.6	18.9	19.4

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

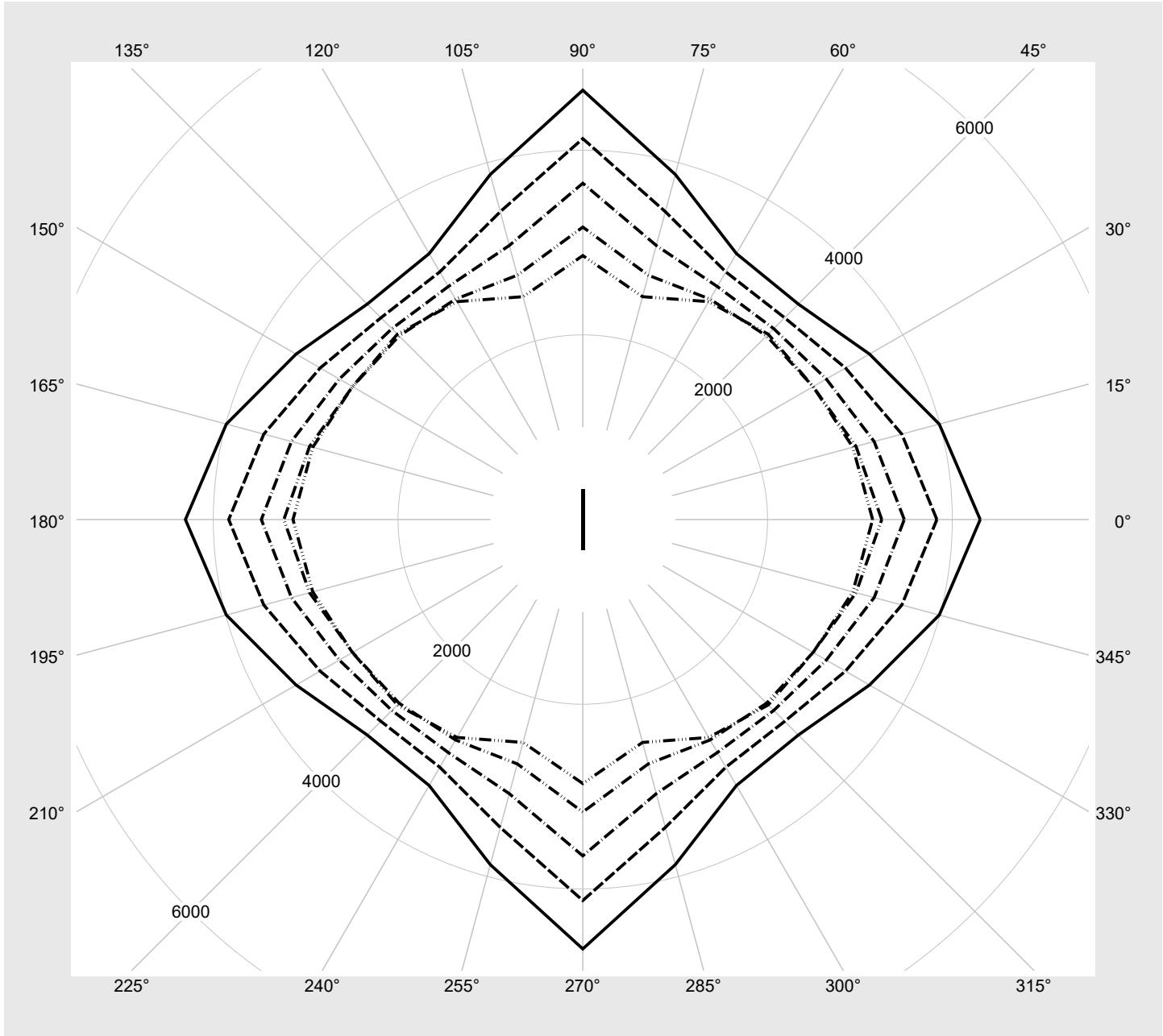
C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		7214.2	6883.6	6322.8	6135.9	6504.5	7327.1	8106.6	
50°		6199.7	5810.3	5142.0	4794.5	5022.2	5831.6	6712.7	
55°		5493.6	5096.7	4441.1	4037.1	4180.4	4943.6	5848.3	
60°		4866.4	4507.2	3956.9	3585.1	3657.4	4334.3	5194.0	
65°		4301.7	3994.6	3583.8	3299.8	3325.7	3868.8	4649.5	
70°		3832.9	3575.0	3283.0	3090.2	3096.7	3451.5	4125.1	
75°		3479.8	3265.1	3043.4	2923.1	2913.2	3072.9	3641.6	
80°		3236.2	3061.8	2878.1	2812.6	2755.8	2739.4	3167.2	
85°		3137.3	3025.9	2879.1	2838.7	2724.7	2498.7	2858.4	

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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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]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	6910	42.6	49.6	46.1
95	241	252	6578	40.4	47.1	43.8
90	228	250	6218	38.2	44.6	41.4
85	215	248	5875	36.1	42.1	39.1
80	202	246	5539	34.0	39.6	36.8
75	188	243	5171	31.7	36.8	34.2
70	175	240	4823	29.6	34.4	32.0
65	163	238	4505	27.6	32.1	29.8
60	150	235	4156	25.7	29.6	27.6
55	137	231	3807	23.6	27.2	25.4
50	124	228	3451	21.5	24.8	23.2
45	111	224	3102	19.5	22.4	21.0
40	99	219	2772	17.5	20.2	18.8
35	86	214	2411	15.4	17.7	16.6
30	74	209	2079	13.6	15.5	14.6
25	62	202	1741	11.7	13.3	12.5
20	49	194	1373	9.7	11.0	10.4
15	37	183	1034	7.9	8.9	8.4
10	25	169	690	6.0	6.7	6.4
5	13	145	352	4.2	4.5	4.4
2	6	117	156	3.1	3.3	3.2