

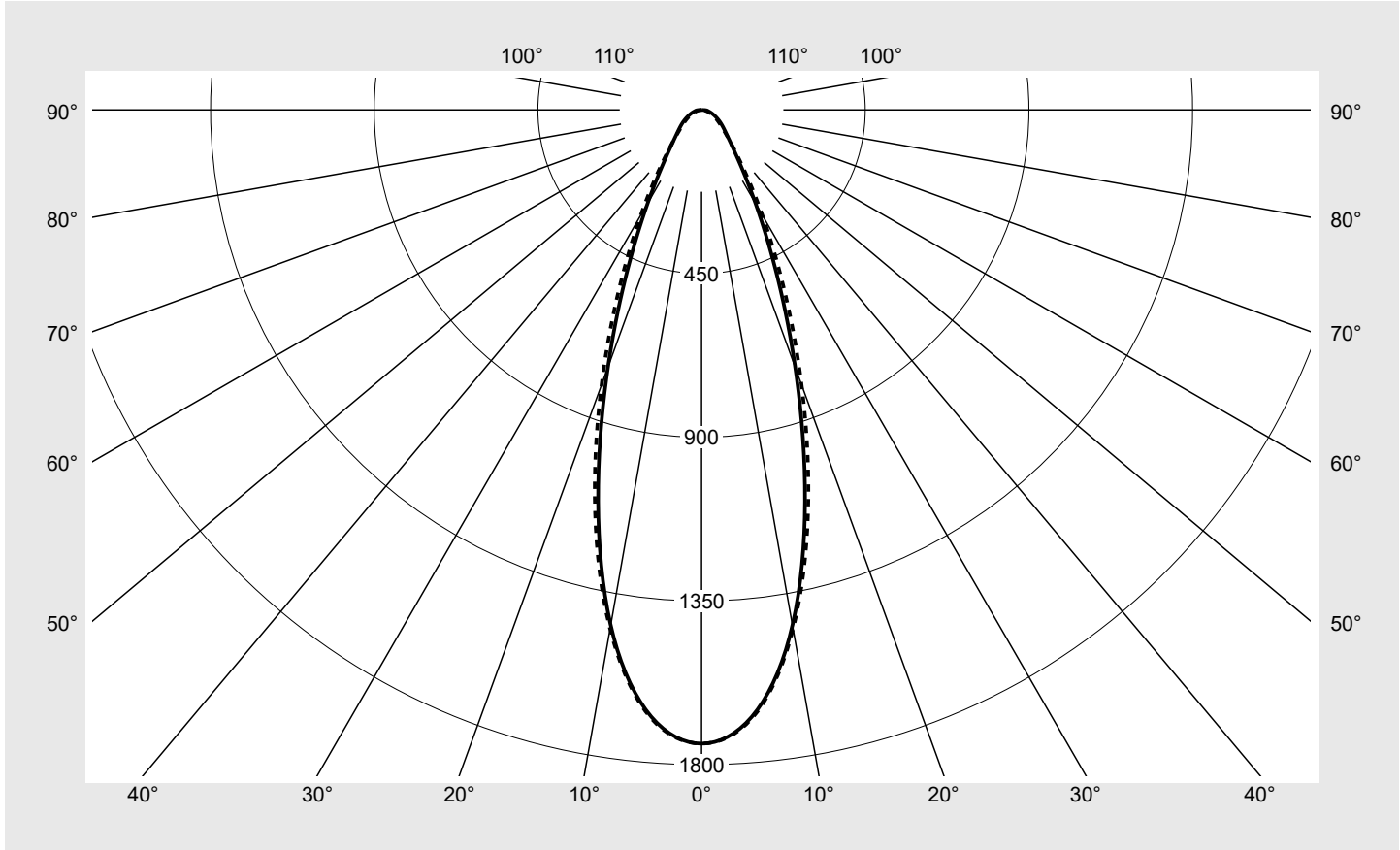


Photometric test report

Family Licross® 11 Protected	Order number: 51TP11DN49XFE EAN: 4058352447291	LP number 58526_26
	Version prismatic cover, frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 9080 lm Power consumption = 56.9 W Luminous efficacy = 159.6 lm/W	serial documentation 05.10.2020
		

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	sITeco
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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	16.2	17.5	16.6	17.8	18.1	16.1	17.3	16.5	17.6	18.0
	3H	17.3	18.5	17.7	18.8	19.1	17.0	18.1	17.4	18.4	18.8
	4H	17.9	18.9	18.3	19.2	19.6	17.4	18.4	17.8	18.7	19.1
	6H	18.4	19.3	18.8	19.7	20.1	17.7	18.6	18.1	18.9	19.3
	8H	18.7	19.5	19.1	19.9	20.3	17.9	18.6	18.3	19.0	19.4
	12H	18.9	19.6	19.4	20.0	20.5	17.9	18.6	18.4	19.0	19.4
4H	2H	16.5	17.5	16.9	17.8	18.2	16.3	17.4	16.7	17.7	18.1
	3H	17.8	18.6	18.2	19.0	19.4	17.4	18.2	17.8	18.6	19.0
	4H	18.4	19.2	18.9	19.6	20.0	17.9	18.6	18.3	19.0	19.5
	6H	19.1	19.7	19.6	20.2	20.6	18.3	18.9	18.8	19.4	19.8
	8H	19.4	20.0	19.9	20.4	20.9	18.4	19.0	18.9	19.5	19.9
	12H	19.8	20.2	20.3	20.7	21.2	18.6	19.1	19.1	19.5	20.0
8H	4H	18.6	19.2	19.1	19.6	20.1	18.1	18.7	18.6	19.1	19.6
	6H	19.4	19.8	19.9	20.3	20.8	18.6	19.1	19.1	19.6	20.1
	8H	19.8	20.2	20.3	20.7	21.2	18.8	19.3	19.4	19.7	20.3
	12H	20.3	20.6	20.8	21.1	21.6	19.1	19.4	19.6	19.9	20.4
12H	4H	18.6	19.1	19.1	19.6	20.1	18.2	18.6	18.7	19.1	19.6
	6H	19.4	19.8	20.0	20.3	20.8	18.7	19.1	19.2	19.6	20.1
	8H	19.9	20.2	20.4	20.7	21.3	19.0	19.3	19.5	19.8	20.4

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

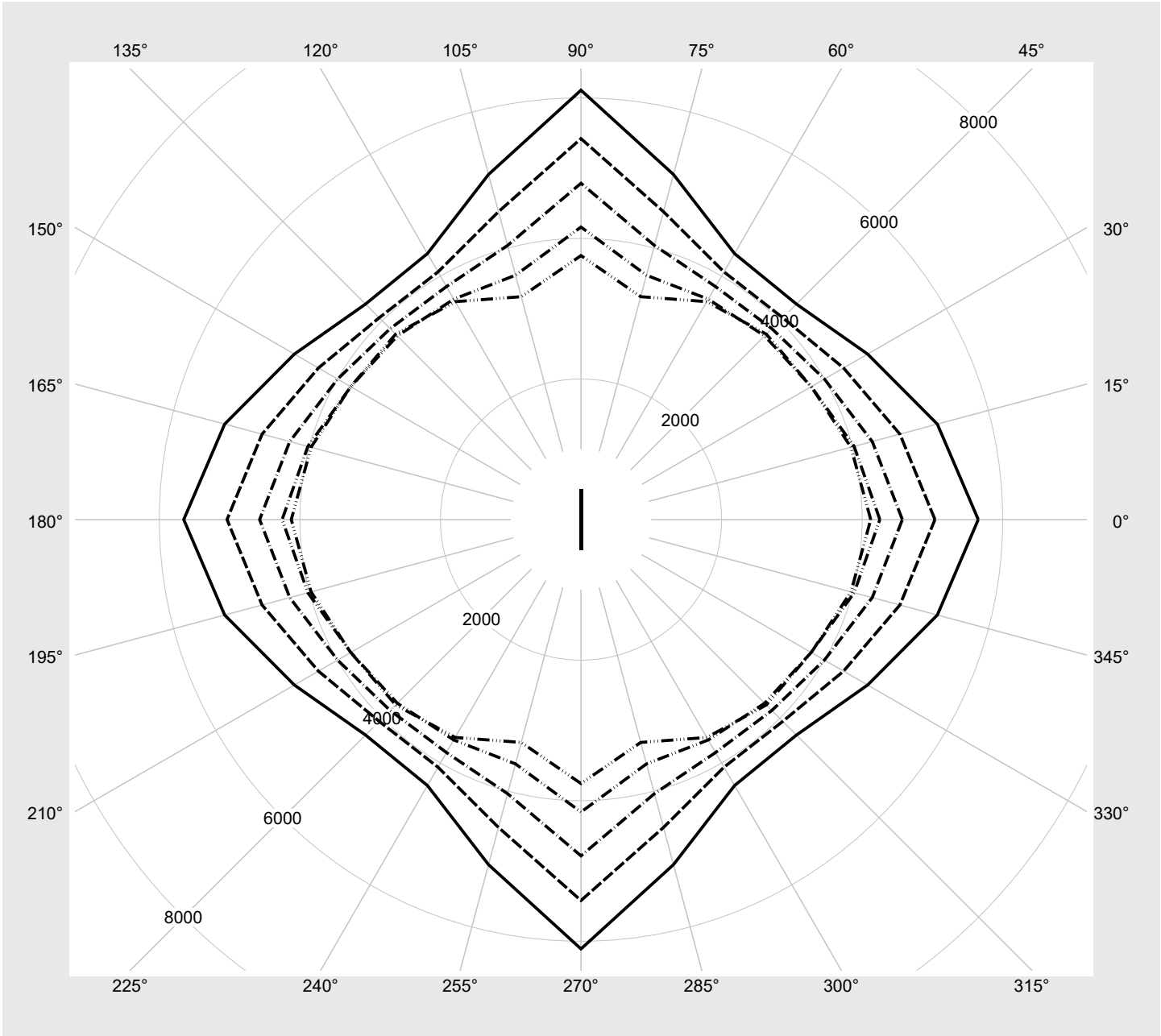
C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		9479.8	9045.4	8308.4	8062.8	8547.2	9628.0	10652.4	
50°		8146.7	7635.0	6756.8	6300.1	6599.3	7662.9	8820.8	
55°		7218.8	6697.3	5835.7	5304.9	5493.2	6496.0	7684.9	
60°		6394.6	5922.6	5199.6	4711.0	4805.9	5695.4	6825.1	
65°		5652.6	5249.0	4709.3	4336.1	4370.1	5083.8	6109.6	
70°		5036.5	4697.7	4314.0	4060.6	4069.1	4535.5	5420.5	
75°		4572.6	4290.4	3999.2	3841.0	3828.1	4037.9	4785.2	
80°		4252.5	4023.3	3781.9	3695.9	3621.3	3599.6	4161.8	
85°		4122.5	3976.1	3783.2	3730.2	3580.3	3283.4	3756.1	

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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]
100	254	254	9080	56.9
95	240	252	8635	53.8
90	226	250	8166	50.7
85	213	248	7731	47.9
80	199	245	7261	44.8
75	186	243	6802	41.8
70	174	240	6354	39.0
65	161	237	5919	36.3
60	148	234	5461	33.4
55	135	231	5002	30.6
50	122	227	4544	27.8
45	110	223	4097	25.3
40	97	219	3638	22.4
35	85	214	3191	20.0
30	72	208	2707	17.1
25	60	201	2260	14.5
20	48	193	1813	12.1
15	36	182	1366	9.7
10	24	168	894	7.0
5	13	145	484	4.8