



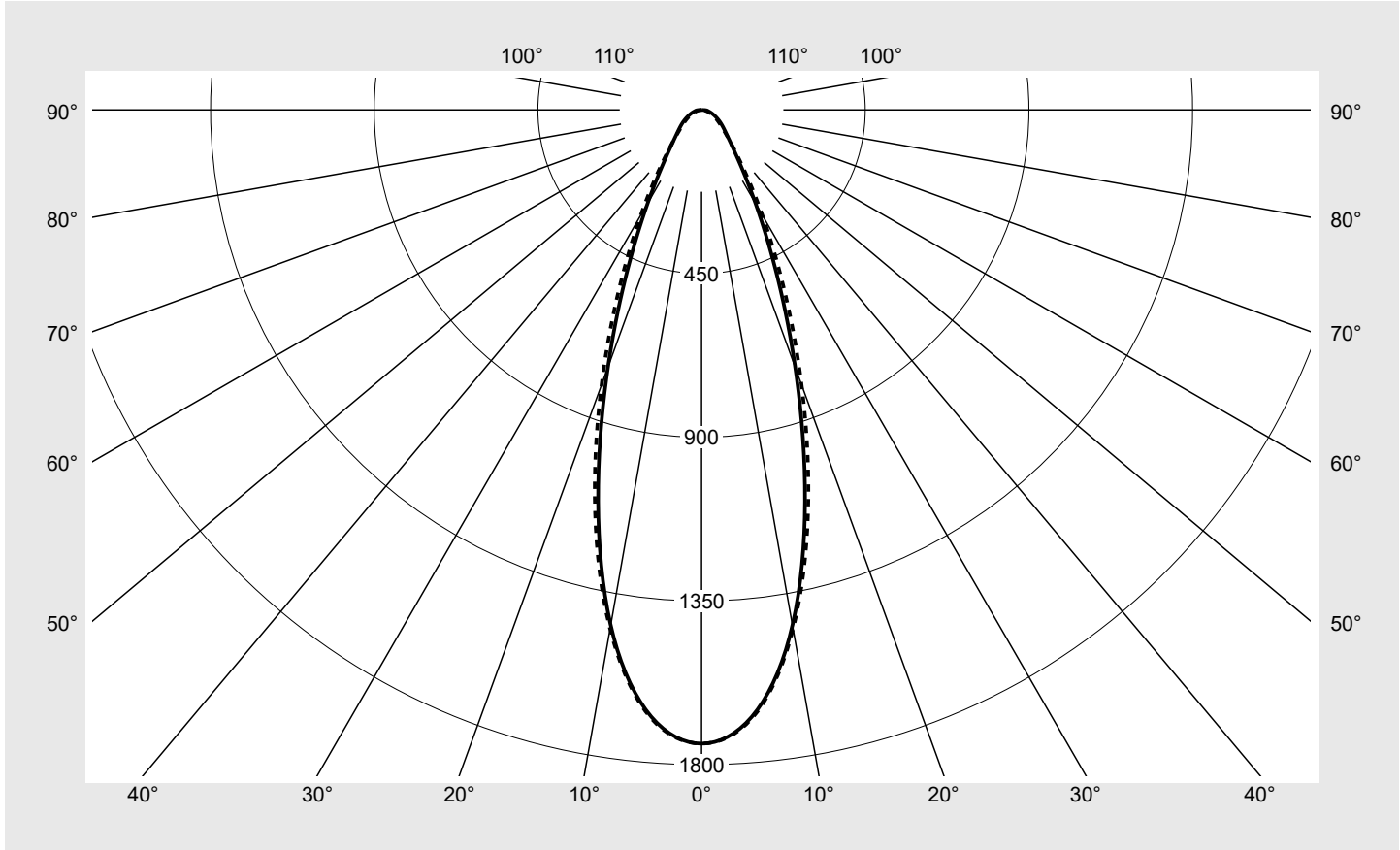
Photometric test report

Family Licross® Protected	Order number: 51TP11DN49XF EAN: 4058352297957	LP number 58526_16
	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 12.12.2019





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	

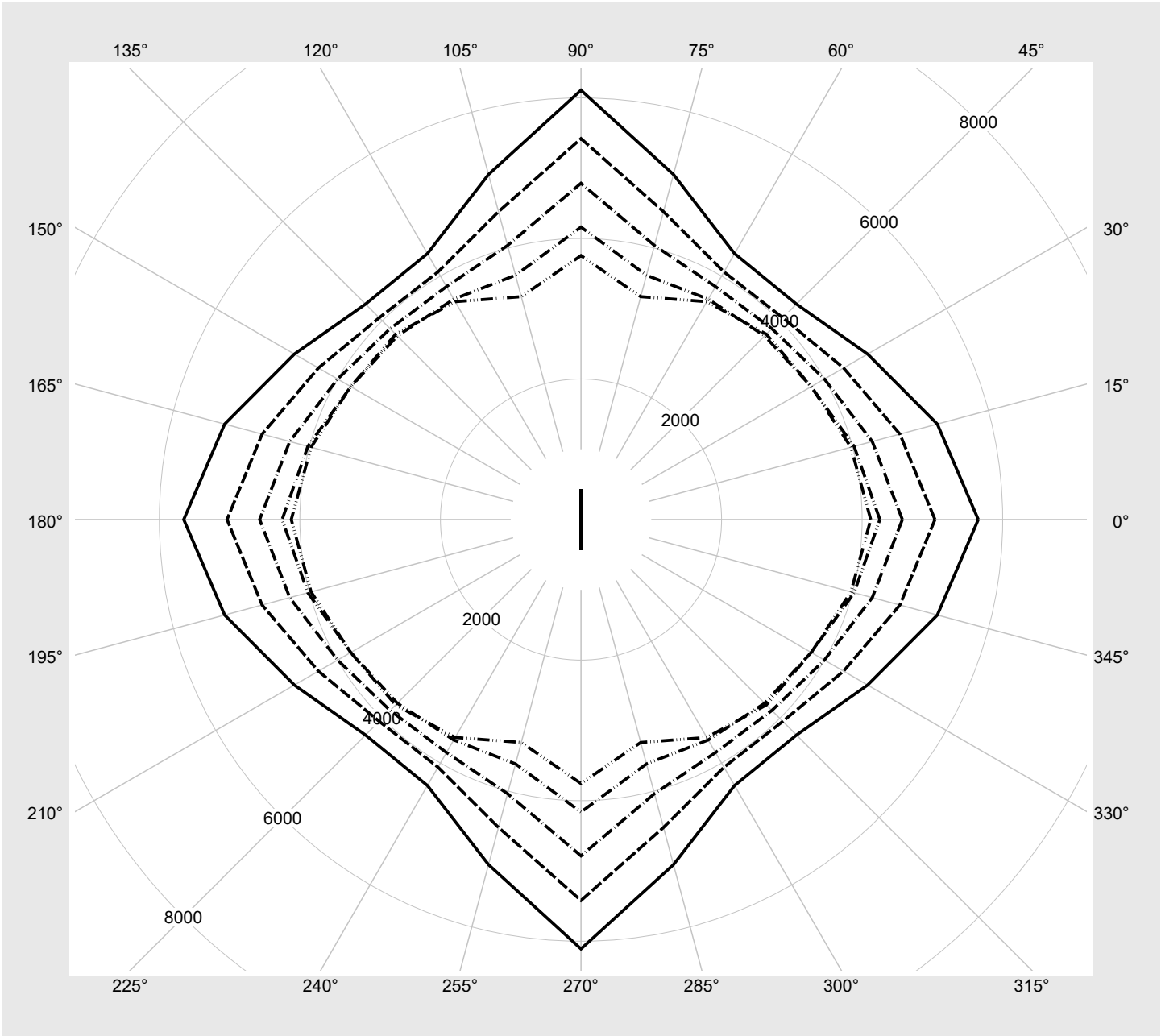
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



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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	8628	53.8
90	227	250	8174	50.8
85	213	247	7720	47.8
80	200	245	7266	44.8
75	187	243	6812	41.9
70	173	240	6357	39.0
65	160	237	5903	36.2
60	147	234	5449	33.3
55	135	231	4995	30.6
50	122	227	4541	27.8
45	109	223	4087	25.2
40	97	219	3633	22.4
35	84	214	3179	19.9
30	72	208	2725	17.2
25	60	201	2271	14.6
20	48	193	1816	12.1
15	36	182	1362	9.7
10	24	168	908	7.1
5	12	143	454	4.6