

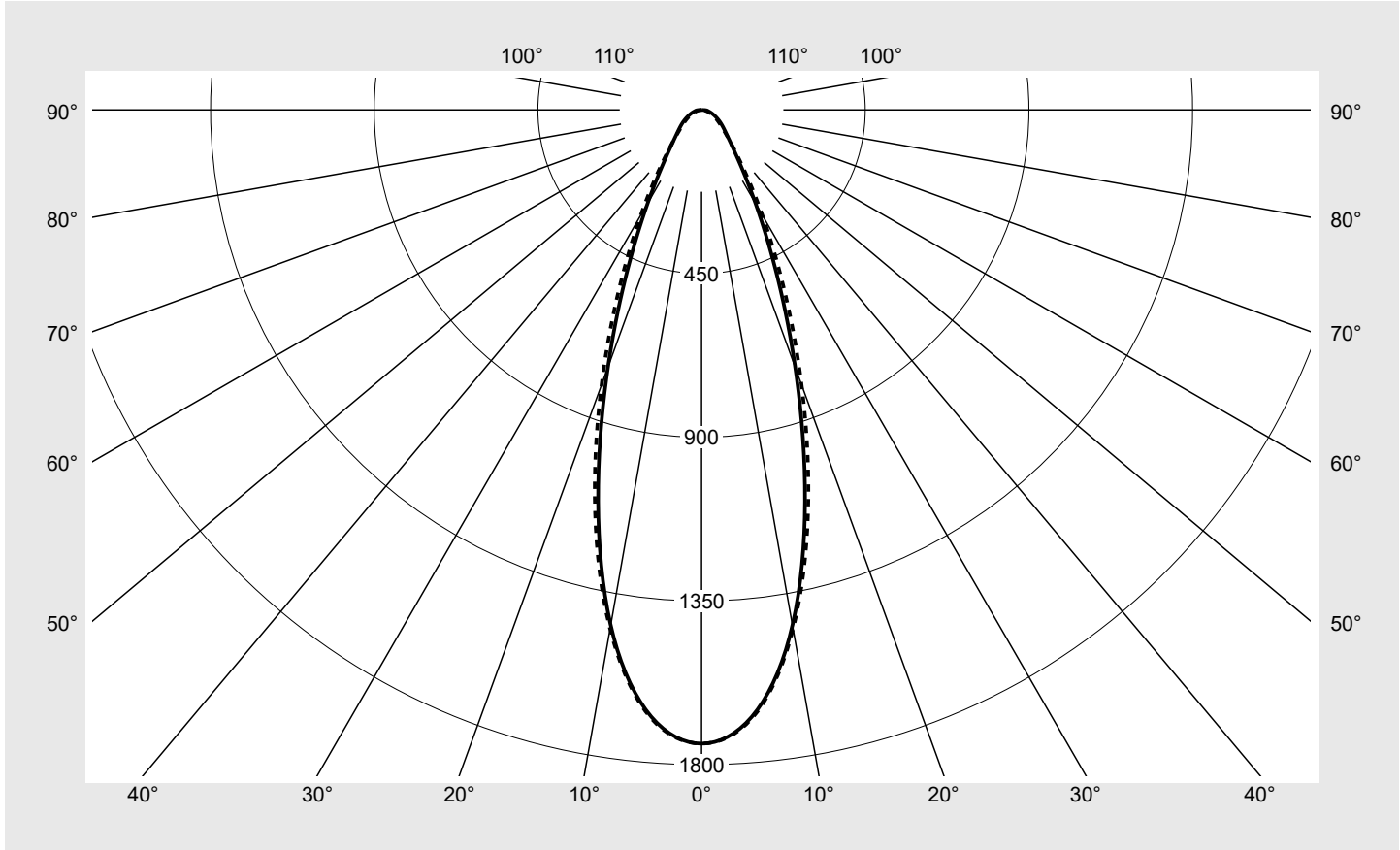


Photometric test report

Family Licross® 21 Protected	Order number: 52TD11DN4A5G EAN: 4058352902561	LP number 58526_174
	Version prismatic cover, frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 10650 lm Power consumption = 62.0 W Luminous efficacy = 171.8 lm/W	serial documentation 03.08.2023
		

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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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	18.0	17.2	18.3	18.7	16.7	17.9	17.0	18.2	18.5
	3H	17.9	19.0	18.3	19.3	19.7	17.5	18.6	17.9	19.0	19.3
	4H	18.4	19.4	18.8	19.8	20.2	17.9	18.9	18.3	19.3	19.7
	6H	18.9	19.8	19.4	20.2	20.6	18.2	19.1	18.6	19.5	19.9
	8H	19.3	20.0	19.7	20.4	20.8	18.4	19.2	18.8	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	18.0	17.4	18.4	18.8	16.9	17.9	17.3	18.3	18.6
	3H	18.3	19.2	18.8	19.6	20.0	18.0	18.8	18.4	19.2	19.6
	4H	19.0	19.7	19.4	20.2	20.6	18.4	19.2	18.9	19.6	20.0
	6H	19.6	20.3	20.1	20.7	21.2	18.8	19.5	19.3	19.9	20.4
	8H	20.0	20.5	20.4	21.0	21.5	19.0	19.6	19.5	20.0	20.5
	12H	20.3	20.8	20.8	21.2	21.7	19.1	19.6	19.6	20.1	20.6
8H	4H	19.2	19.7	19.6	20.2	20.7	18.7	19.2	19.1	19.7	20.2
	6H	19.9	20.4	20.4	20.9	21.4	19.2	19.6	19.7	20.1	20.6
	8H	20.3	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	20.4	21.0
12H	4H	19.2	19.7	19.7	20.1	20.6	18.7	19.2	19.2	19.6	20.1
	6H	20.0	20.4	20.5	20.9	21.4	19.3	19.7	19.8	20.1	20.7
	8H	20.5	20.8	21.0	21.3	21.9	19.6	19.9	20.1	20.4	20.9

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°		11118.9	10609.4	9745.0	9456.9	10025.1	11292.8	12494.3	
50°		9555.3	8955.1	7925.1	7389.5	7740.4	8987.9	10346.0	
55°		8467.0	7855.3	6844.8	6222.2	6443.0	7619.2	9013.6	
60°		7500.3	6946.7	6098.6	5525.6	5636.9	6680.2	8005.2	
65°		6630.0	6156.6	5523.5	5085.8	5125.8	5962.8	7166.0	
70°		5907.4	5509.9	5060.0	4762.7	4772.7	5319.7	6357.7	
75°		5363.2	5032.3	4690.6	4505.2	4490.0	4736.1	5612.6	
80°		4987.7	4719.0	4435.9	4335.0	4247.4	4222.0	4881.4	
85°		4835.3	4663.6	4437.3	4375.1	4199.4	3851.1	4405.5	

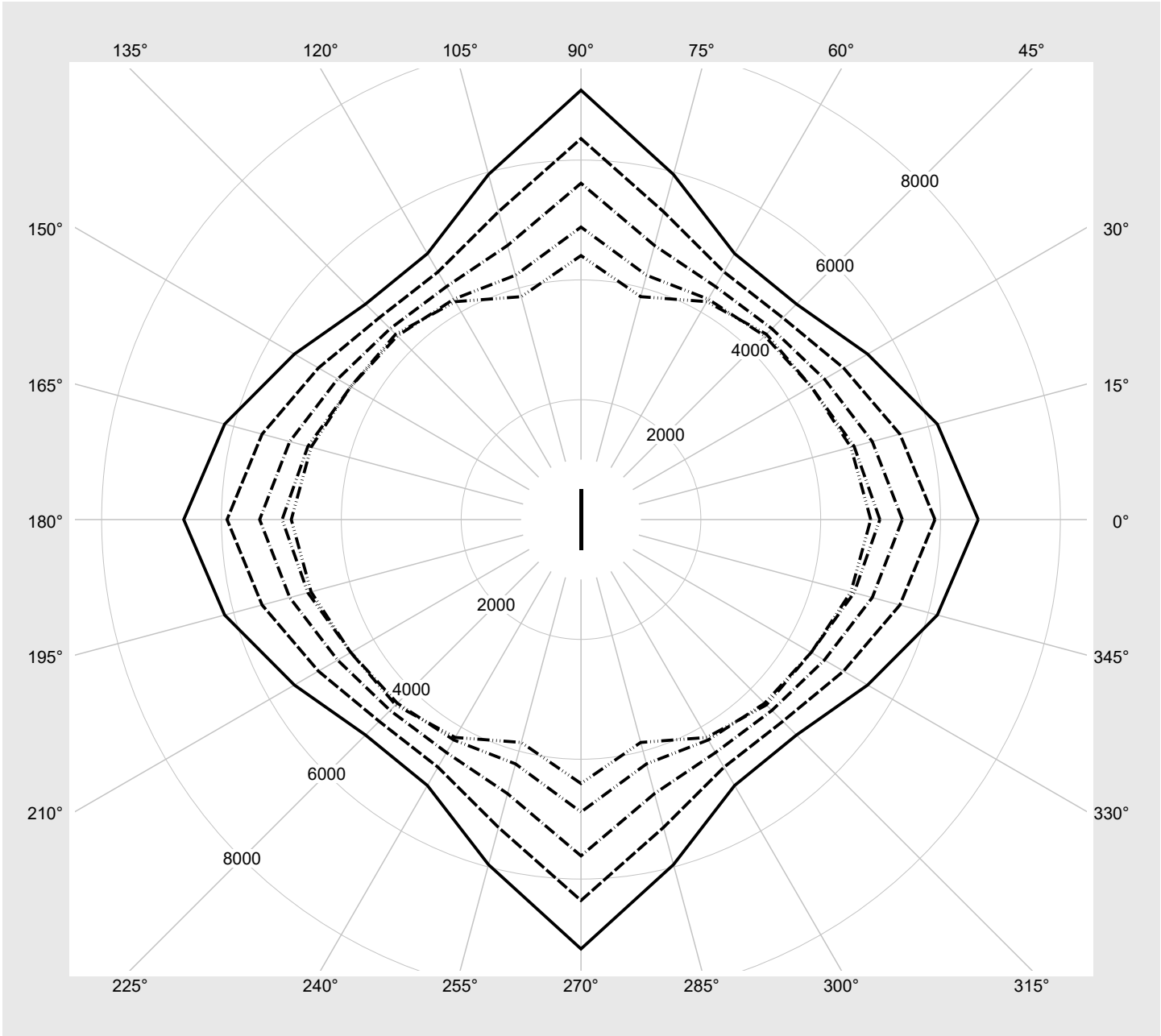
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Luminance values in cd/m²

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	----	----	----	----
100	253	254	10612	61.8
95	240	252	10114	58.6
90	226	250	9573	55.1
85	213	248	9063	51.9
80	199	245	8508	48.5
75	186	243	7987	45.5
70	173	240	7460	42.3
65	160	237	6929	39.2
60	147	234	6394	36.1
55	134	231	5853	33.0
50	121	227	5306	29.9
45	109	223	4799	27.1
40	96	218	4242	24.1
35	84	213	3722	21.4
30	72	208	3199	18.6
25	60	201	2672	15.9
20	48	193	2141	13.0
15	36	182	1608	10.2
10	24	168	1071	7.5
5	12	142	529	4.9
2	4	102	165	3.1