

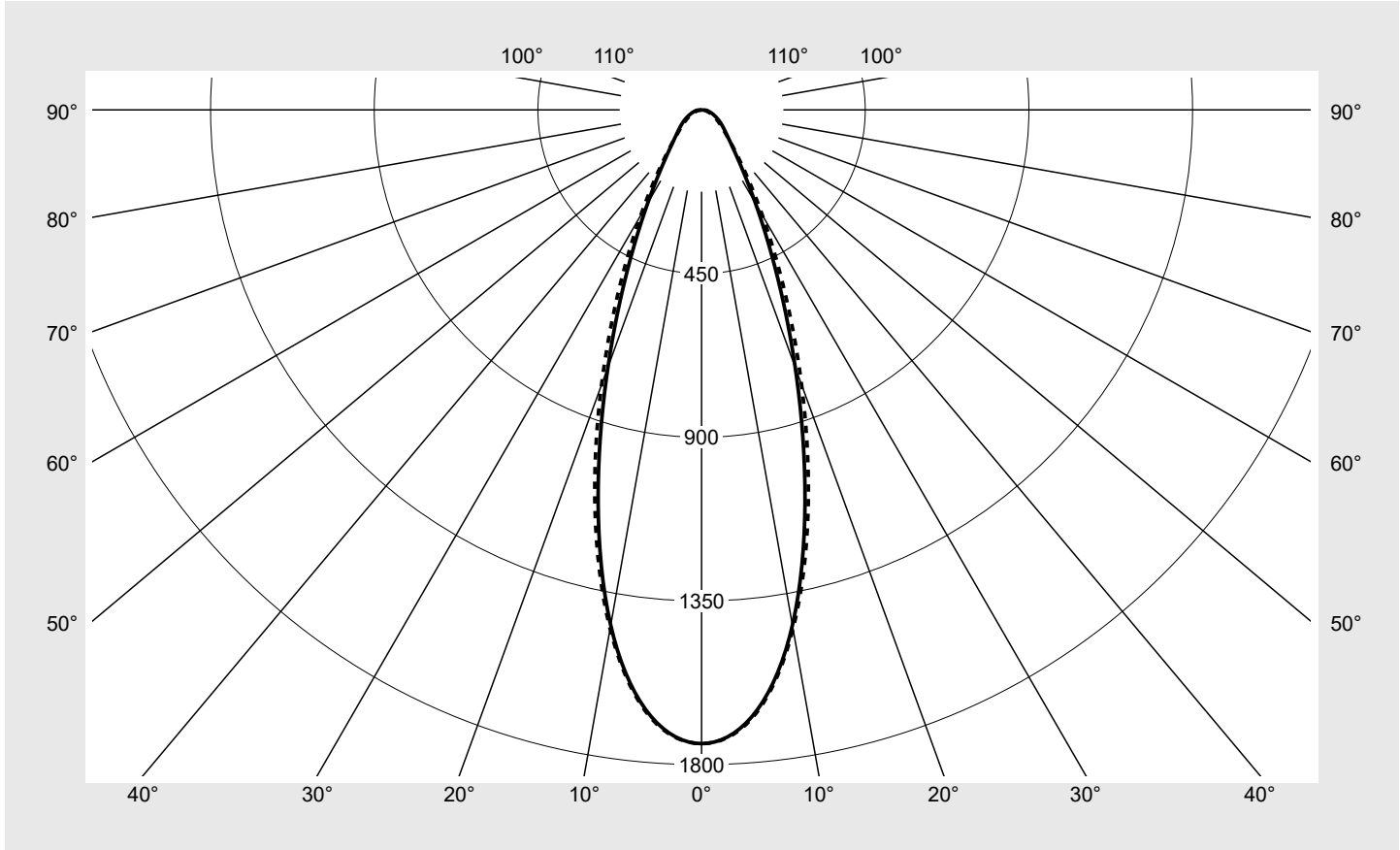


Photometric test report

Family Licross® 21 Protected	Order number: 52TP11DN48XG EAN: 4058352903667	LP number 58526_178
	Version prismatic cover, frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 8000 lm Power consumption = 45.5 W Luminous efficacy = 175.8 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	15.8	17.0	16.2	17.4	17.7	15.7	16.9	16.0	17.2	17.5
	3H	16.9	18.0	17.3	18.3	18.7	16.5	17.6	16.9	18.0	18.3
	4H	17.4	18.5	17.8	18.8	19.2	16.9	17.9	17.3	18.3	18.7
	6H	17.9	18.8	18.4	19.2	19.6	17.2	18.1	17.6	18.5	18.9
	8H	18.3	19.0	18.7	19.4	19.8	17.4	18.2	17.8	18.6	19.0
	12H	18.5	19.2	18.9	19.6	20.0	17.5	18.2	17.9	18.6	19.0
4H	2H	16.0	17.1	16.4	17.4	17.8	15.9	16.9	16.3	17.3	17.6
	3H	17.3	18.2	17.8	18.6	19.0	17.0	17.8	17.4	18.2	18.6
	4H	18.0	18.7	18.4	19.2	19.6	17.4	18.2	17.9	18.6	19.0
	6H	18.6	19.3	19.1	19.7	20.2	17.9	18.5	18.3	18.9	19.4
	8H	19.0	19.5	19.4	20.0	20.5	18.0	18.6	18.5	19.0	19.5
	12H	19.3	19.8	19.8	20.3	20.8	18.1	18.6	18.6	19.1	19.6
8H	4H	18.2	18.7	18.6	19.2	19.7	17.7	18.2	18.1	18.7	19.2
	6H	18.9	19.4	19.4	19.9	20.4	18.2	18.7	18.7	19.1	19.6
	8H	19.4	19.8	19.9	20.3	20.8	18.4	18.8	18.9	19.3	19.8
	12H	19.8	20.2	20.4	20.7	21.2	18.6	18.9	19.1	19.4	20.0
12H	4H	18.2	18.7	18.7	19.1	19.6	17.7	18.2	18.2	18.7	19.2
	6H	19.0	19.4	19.5	19.9	20.4	18.3	18.7	18.8	19.2	19.7
	8H	19.5	19.8	20.0	20.3	20.9	18.6	18.9	19.1	19.4	19.9

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°	8352.2	7969.5	7320.2	7103.8	7530.6	8482.9	9385.4	
	50°	7177.7	6726.8	5953.1	5550.8	5814.4	6751.5	7771.6	
	55°	6360.2	5900.7	5141.6	4674.0	4839.8	5723.4	6770.8	
	60°	5634.0	5218.2	4581.1	4150.7	4234.3	5018.0	6013.3	
	65°	4980.3	4624.7	4149.1	3820.3	3850.3	4479.1	5382.9	
	70°	4437.5	4138.9	3800.9	3577.6	3585.1	3996.0	4775.7	
	75°	4028.7	3780.1	3523.5	3384.2	3372.8	3557.6	4216.1	
	80°	3746.7	3544.8	3332.1	3256.3	3190.5	3171.5	3666.8	
	85°	3632.1	3503.2	3333.2	3286.5	3154.4	2892.8	3309.3	

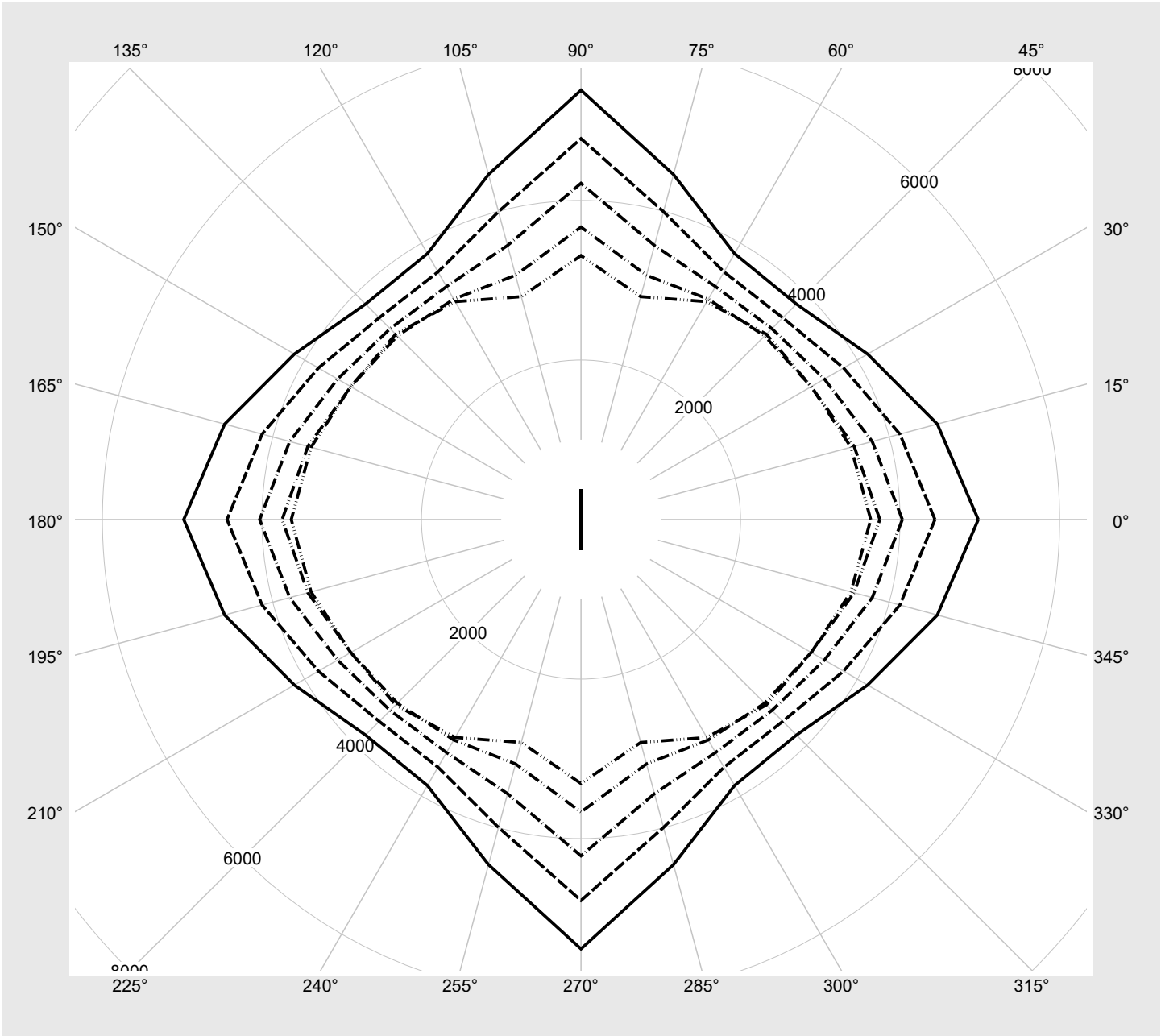
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Luminance values in cd/m²

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	8000	45.5
95	241	252	7613	43.2
90	227	250	7194	40.6
85	214	248	6806	38.4
80	201	245	6412	36.2
75	188	243	6015	33.9
70	174	240	5587	31.5
65	162	238	5215	29.4
60	149	234	4812	27.2
55	136	231	4403	25.0
50	123	227	3991	22.7
45	111	224	3610	20.8
40	98	219	3194	18.6
35	86	214	2807	16.5
30	73	208	2388	14.3
25	61	202	1997	12.3
20	49	194	1606	10.2
15	37	183	1211	8.2
10	25	169	814	6.2
5	12	142	385	4.1
2	5	110	150	3.0