

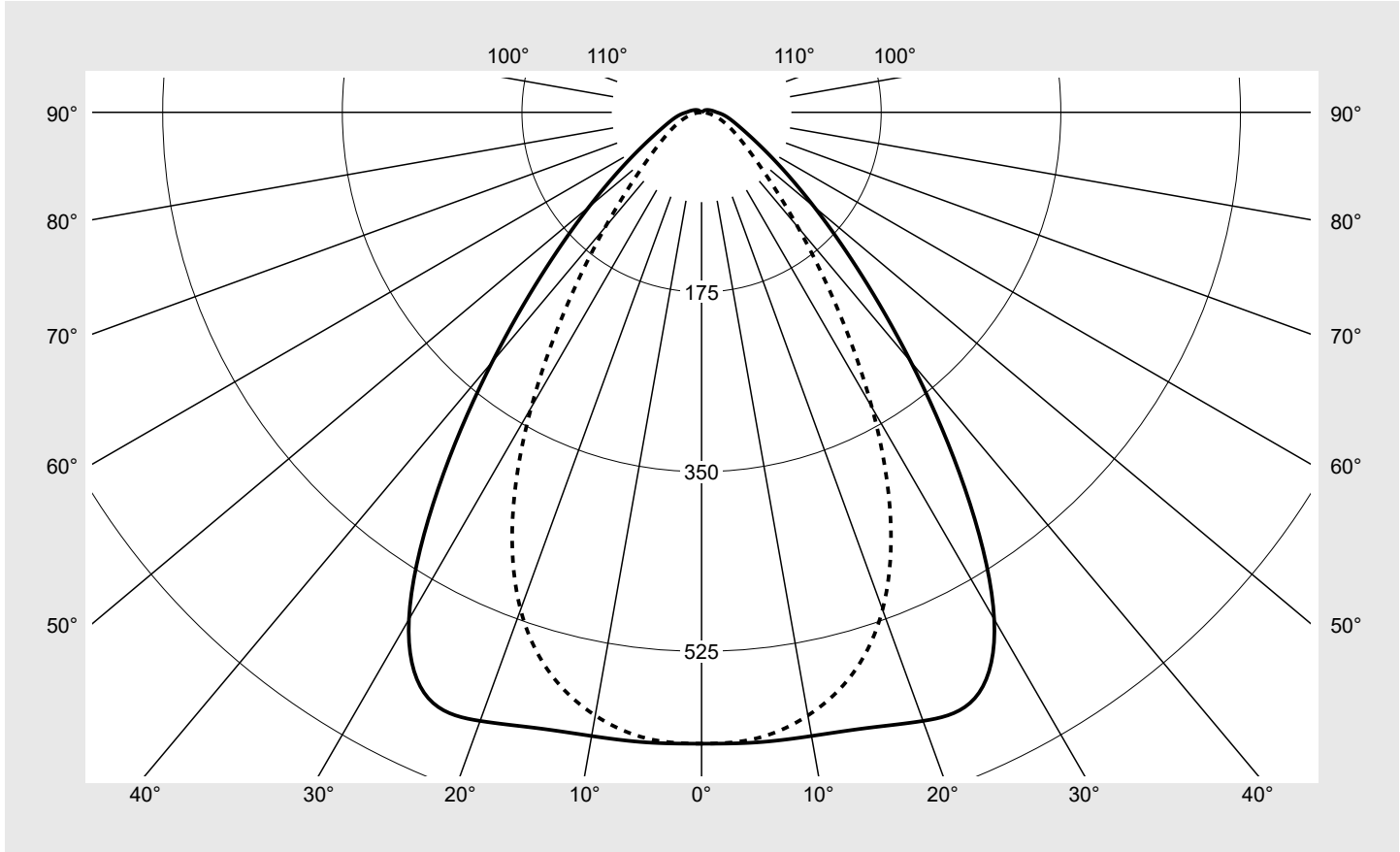


Photometric test report

Family Licross® 21 Protected	Order number: 52TD12DN68XG EAN: 4069025217516	LP number 58524_295
	Version prismatic cover, frosted, wide distribution Lamps LED 6500 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 8000 lm Power consumption = 46.6 W Luminous efficacy = 171.7 lm/W	serial documentation 26.08.2024
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 631 cd/klm**



Classifications	
DIN 5040	A 5 1
CIE	N1=73 N2=92 N3=98 N4=99 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	98.6%
ϕ_o	1.4%

Measurement conditions
DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
		sITeco

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°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	3.7	3.7
5°	616.1	614.1	609.7	611.1	612.9	611.9	612.2	29.3	32.9
10°	616.9	615.1	606.4	602.8	600.3	597.0	596.6	57.6	90.5
15°	620.9	617.8	600.9	587.5	576.7	568.6	566.8	83.8	174.3
20°	630.8	623.5	591.7	561.2	536.7	520.1	515.5	106.4	280.7
25°	629.8	620.7	576.3	523.2	476.9	445.6	435.5	122.6	403.3
30°	570.2	568.9	534.3	469.6	398.0	348.4	331.9	126.5	529.9
35°	447.2	456.9	450.2	394.1	307.5	246.5	227.0	114.9	644.8
40°	317.0	331.0	344.1	303.2	220.2	163.1	146.0	93.6	738.3
45°	213.9	226.3	244.1	214.7	147.7	105.6	94.0	70.6	808.9
50°	143.1	152.0	166.9	144.8	97.7	70.8	64.1	51.5	860.4
55°	96.6	102.1	111.9	95.1	64.8	49.7	46.3	37.0	897.4
60°	67.0	69.6	74.2	63.4	44.8	36.0	34.5	26.8	924.2
65°	49.0	49.5	50.0	42.8	32.0	26.6	25.7	19.7	943.9
70°	37.9	37.0	34.4	29.4	23.3	19.5	18.8	14.8	958.7
75°	30.5	28.7	24.6	20.4	16.6	13.6	12.7	11.1	969.8
80°	24.8	22.7	18.1	14.1	11.2	8.8	7.6	8.2	978.0
85°	19.7	17.8	13.4	9.8	7.1	4.8	3.4	5.9	983.8
90°	14.9	13.4	9.7	6.4	4.0	1.9	0.4	3.9	987.8
95°	12.2	11.1	8.2	5.4	3.1	1.2	0.3	3.2	991.0
100°	10.0	9.2	6.9	4.5	2.4	0.7	0.3	2.6	993.6
105°	8.2	7.6	5.7	3.6	1.7	0.4	0.3	2.1	995.6
110°	6.8	6.2	4.6	2.7	1.1	0.3	0.3	1.6	997.2
115°	5.5	5.0	3.7	2.0	0.7	0.4	0.4	1.2	998.4
120°	4.3	3.8	2.7	1.4	0.6	0.5	0.5	0.9	999.3
125°	3.1	2.7	1.8	0.9	0.6	0.6	0.6	0.6	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	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	20.5	21.9	20.9	22.2	22.6	17.2	18.7	17.6	19.0	19.3
	3H	20.9	22.2	21.3	22.5	22.9	17.6	18.9	18.0	19.2	19.6
	4H	21.2	22.3	21.6	22.7	23.0	17.7	18.9	18.1	19.3	19.7
	6H	21.4	22.5	21.9	22.9	23.2	17.9	19.0	18.3	19.3	19.7
	8H	21.7	22.6	22.1	23.0	23.4	18.0	19.0	18.4	19.3	19.7
	12H	21.8	22.7	22.3	23.1	23.5	18.0	18.9	18.4	19.3	19.7
4H	2H	20.5	21.7	20.9	22.1	22.5	17.8	18.9	18.2	19.3	19.7
	3H	21.1	22.1	21.5	22.5	22.9	18.2	19.2	18.7	19.6	20.0
	4H	21.4	22.3	21.9	22.7	23.2	18.5	19.3	18.9	19.8	20.2
	6H	21.8	22.6	22.3	23.0	23.5	18.7	19.4	19.1	19.9	20.3
	8H	22.1	22.8	22.6	23.2	23.7	18.7	19.4	19.2	19.9	20.3
	12H	22.4	22.9	22.9	23.4	23.9	18.8	19.4	19.3	19.9	20.4
8H	4H	21.4	22.1	21.9	22.6	23.1	18.7	19.4	19.2	19.8	20.3
	6H	21.9	22.5	22.4	23.0	23.5	19.0	19.5	19.5	20.0	20.5
	8H	22.3	22.8	22.8	23.2	23.8	19.1	19.6	19.6	20.1	20.6
	12H	22.7	23.1	23.2	23.6	24.1	19.2	19.6	19.7	20.1	20.7
12H	4H	21.4	22.1	21.9	22.5	23.0	18.8	19.3	19.3	19.8	20.3
	6H	22.0	22.4	22.5	22.9	23.5	19.1	19.5	19.6	20.0	20.6
	8H	22.3	22.7	22.8	23.2	23.8	19.2	19.6	19.8	20.1	20.7

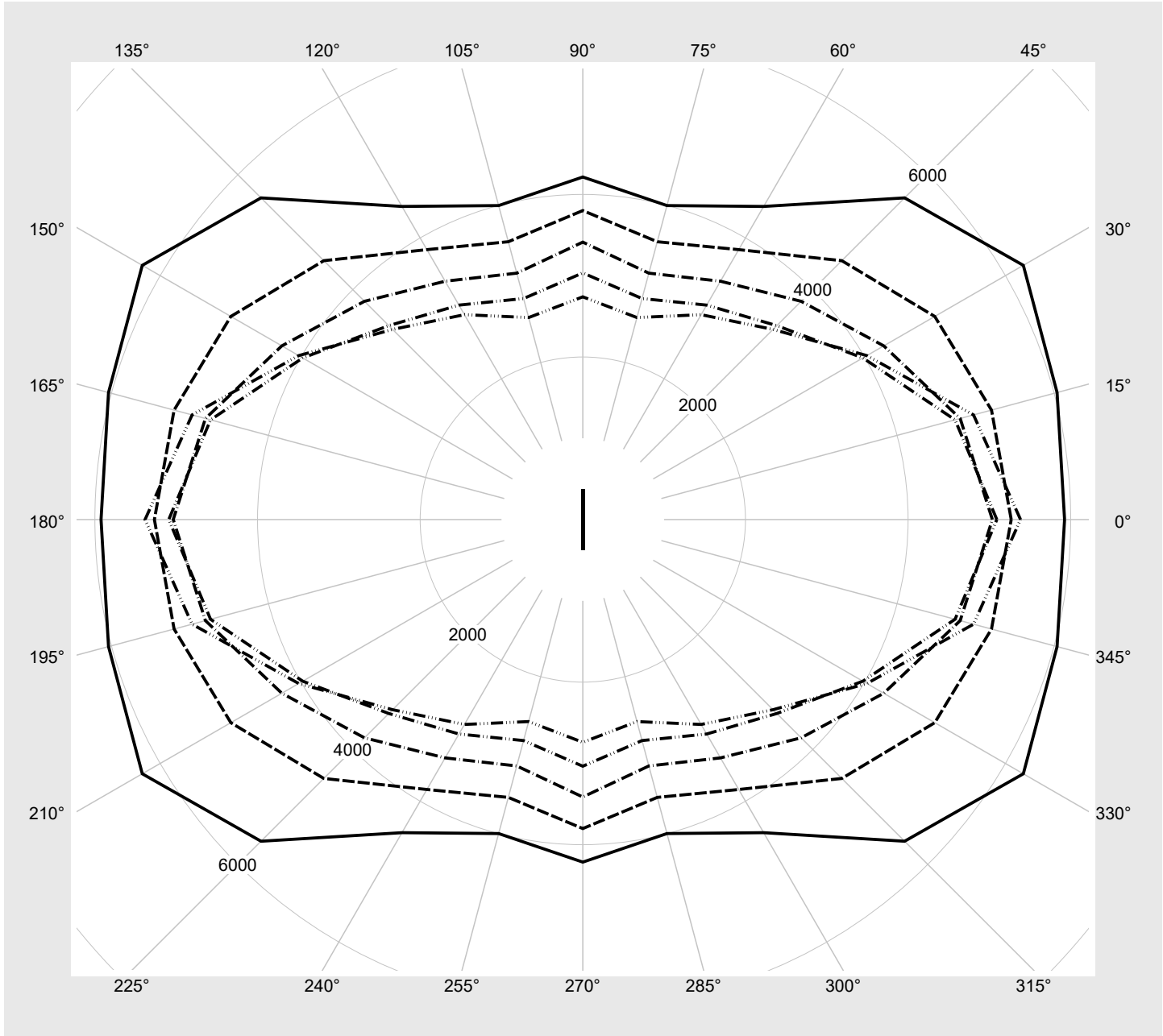
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

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°	17971.3	19099.9	20905.1	18821.4	13359.8	9923.2	9216.0	
	50°	12867.9	13750.1	15356.8	13692.3	9582.2	7257.2	6906.3	
	55°	9423.4	10026.3	11206.1	9834.5	6997.1	5652.2	5594.9	
	60°	7210.4	7542.5	8229.9	7295.3	5420.4	4647.6	4776.3	
	65°	5924.3	6038.1	6255.2	5596.5	4447.8	3998.9	4214.1	
	70°	5268.3	5203.2	4997.7	4504.1	3834.4	3538.4	3801.4	
	75°	5036.5	4804.4	4273.5	3797.2	3385.6	3138.1	3413.1	
	80°	5091.5	4739.3	3976.8	3374.0	3046.4	2814.9	3034.2	
	85°	5383.0	4974.1	4033.9	3308.2	2910.5	2572.8	2740.0	

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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	8000	46.6
95	241	252	7614	44.2
90	227	250	7197	41.7
85	214	248	6805	39.4
80	201	245	6413	37.1
75	187	243	5988	34.6
70	174	240	5588	32.3
65	161	237	5185	29.9
60	149	234	4813	27.8
55	136	231	4404	25.6
50	123	227	3992	23.3
45	111	224	3612	21.3
40	98	219	3195	19.0
35	86	214	2808	16.9
30	73	208	2389	14.7
25	61	202	1998	12.6
20	49	194	1607	10.4
15	37	183	1212	8.4
10	25	169	815	6.3
5	12	142	386	4.2
2	5	110	151	3.0