

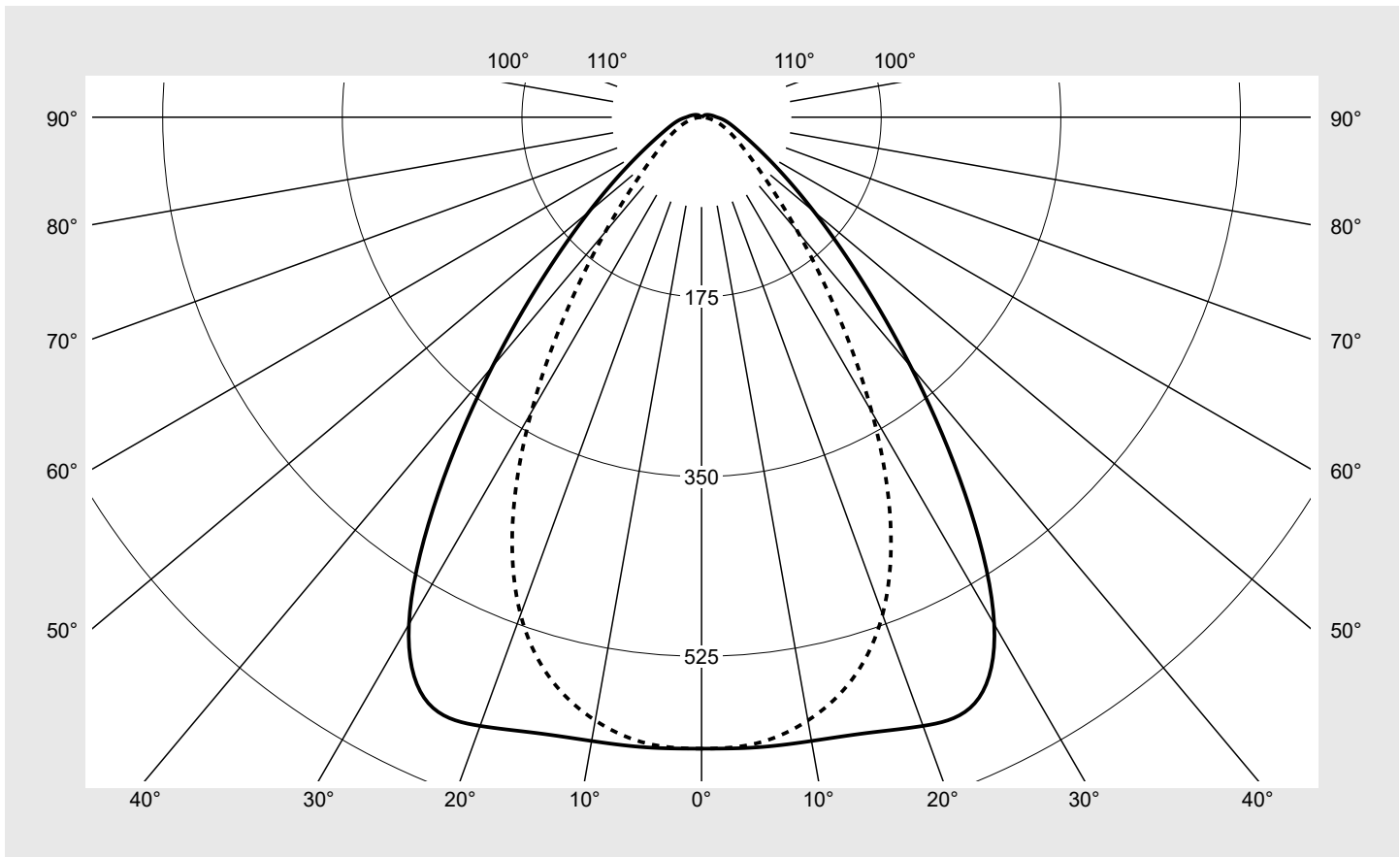


Photometric test report

Family Licross® 11 Protected	Order number: 51TP12DN495GE EAN: 4058352988954	LP number 58524_290
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 9980 lm Power consumption = 57.1 W Luminous efficacy = 174.8 lm/W	serial documentation 30.10.2023
		

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	21.3	22.7	21.6	23.0	23.3	18.0	19.4	18.4	19.7	20.1
	3H	21.7	22.9	22.1	23.3	23.6	18.4	19.6	18.7	20.0	20.3
	4H	21.9	23.1	22.3	23.4	23.8	18.5	19.7	18.9	20.1	20.4
	6H	22.2	23.3	22.6	23.6	24.0	18.6	19.7	19.0	20.1	20.5
	8H	22.4	23.4	22.9	23.7	24.1	18.7	19.7	19.1	20.1	20.5
	12H	22.6	23.5	23.0	23.8	24.3	18.7	19.7	19.2	20.1	20.5
4H	2H	21.3	22.5	21.7	22.9	23.2	18.5	19.7	18.9	20.0	20.4
	3H	21.9	22.9	22.3	23.3	23.7	19.0	20.0	19.4	20.4	20.8
	4H	22.2	23.1	22.6	23.5	23.9	19.2	20.1	19.7	20.5	21.0
	6H	22.6	23.4	23.1	23.8	24.3	19.4	20.2	19.9	20.6	21.1
	8H	22.9	23.5	23.3	24.0	24.5	19.5	20.2	20.0	20.6	21.1
	12H	23.1	23.7	23.6	24.2	24.7	19.6	20.2	20.0	20.6	21.1
8H	4H	22.2	22.9	22.7	23.4	23.8	19.5	20.1	19.9	20.6	21.1
	6H	22.7	23.3	23.2	23.8	24.3	19.7	20.3	20.2	20.8	21.3
	8H	23.0	23.5	23.5	24.0	24.5	19.9	20.4	20.4	20.8	21.4
	12H	23.4	23.8	23.9	24.3	24.9	20.0	20.4	20.5	20.9	21.4
12H	4H	22.2	22.8	22.7	23.3	23.8	19.5	20.1	20.0	20.6	21.1
	6H	22.7	23.2	23.2	23.7	24.2	19.9	20.3	20.4	20.8	21.3
	8H	23.1	23.5	23.6	24.0	24.5	20.0	20.4	20.5	20.9	21.4

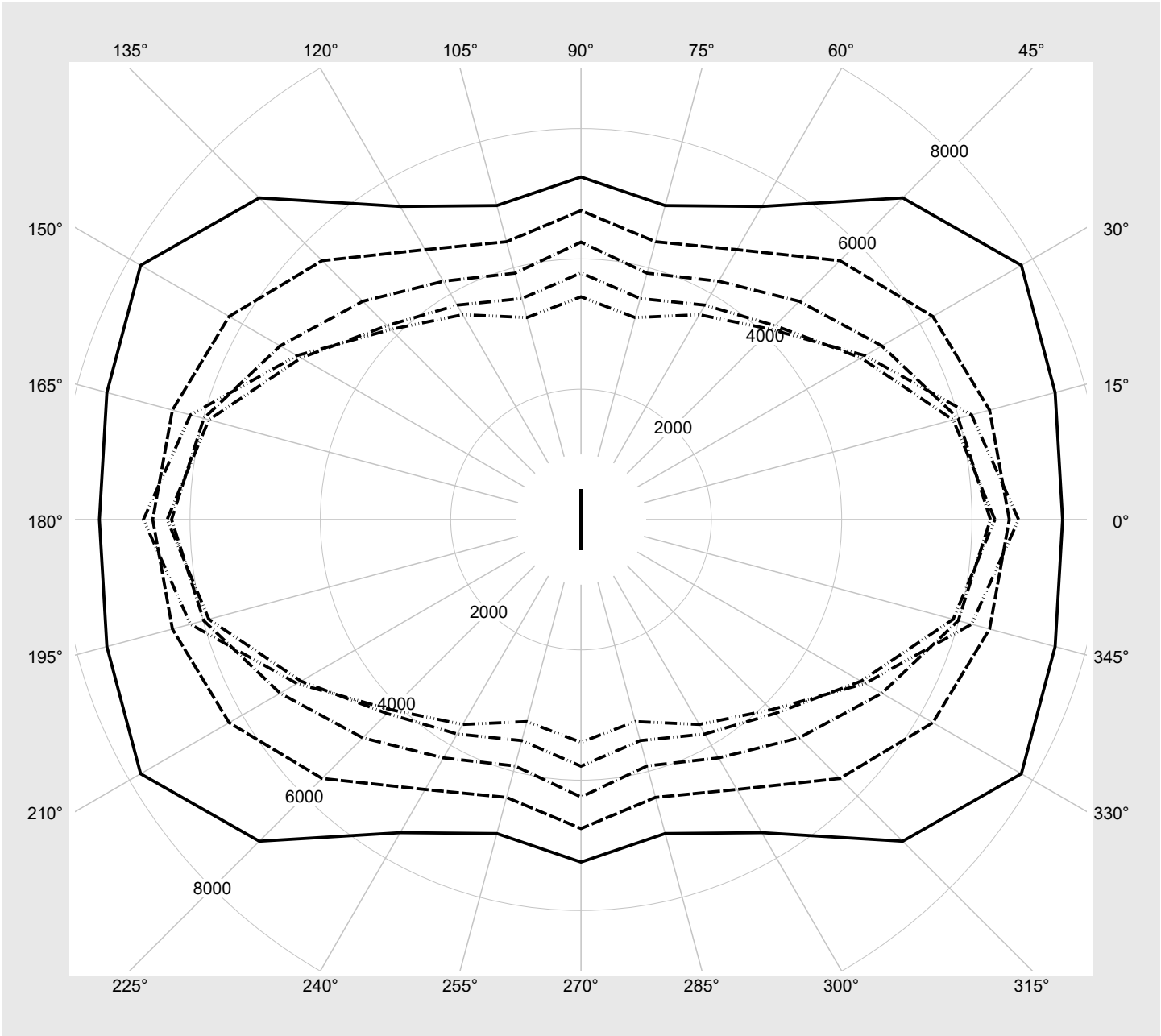
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

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°		22419.2	23827.1	26079.1	23479.7	16666.3	12379.1	11497.0	
50°		16052.7	17153.2	19157.6	17081.1	11953.8	9053.3	8615.6	
55°		11755.6	12507.8	13979.7	12268.5	8728.8	7051.2	6979.6	
60°		8995.0	9409.2	10266.7	9100.9	6762.0	5797.9	5958.4	
65°		7390.6	7532.5	7803.3	6981.6	5548.7	4988.7	5257.1	
70°		6572.2	6491.0	6234.7	5618.9	4783.4	4414.2	4742.2	
75°		6283.0	5993.5	5331.2	4737.0	4223.6	3914.8	4257.8	
80°		6351.6	5912.3	4961.1	4209.1	3800.3	3511.6	3785.2	
85°		6715.4	6205.2	5032.3	4126.9	3630.9	3209.5	3418.2	

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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	9980	57.1
95	240	252	9474	53.8
90	226	250	8964	50.7
85	213	248	8483	47.7
80	200	245	8000	44.8
75	186	243	7475	41.7
70	173	240	6982	38.7
65	160	237	6485	35.9
60	147	234	5984	33.0
55	134	231	5480	30.1
50	122	227	5007	27.5
45	109	223	4493	24.7
40	96	218	3975	22.0
35	84	213	3492	19.5
30	72	208	3002	17.0
25	60	201	2512	14.5
20	47	192	1975	11.7
15	36	182	1517	9.4
10	24	168	1013	6.9
5	12	142	503	4.5
2	4	102	162	3.0