

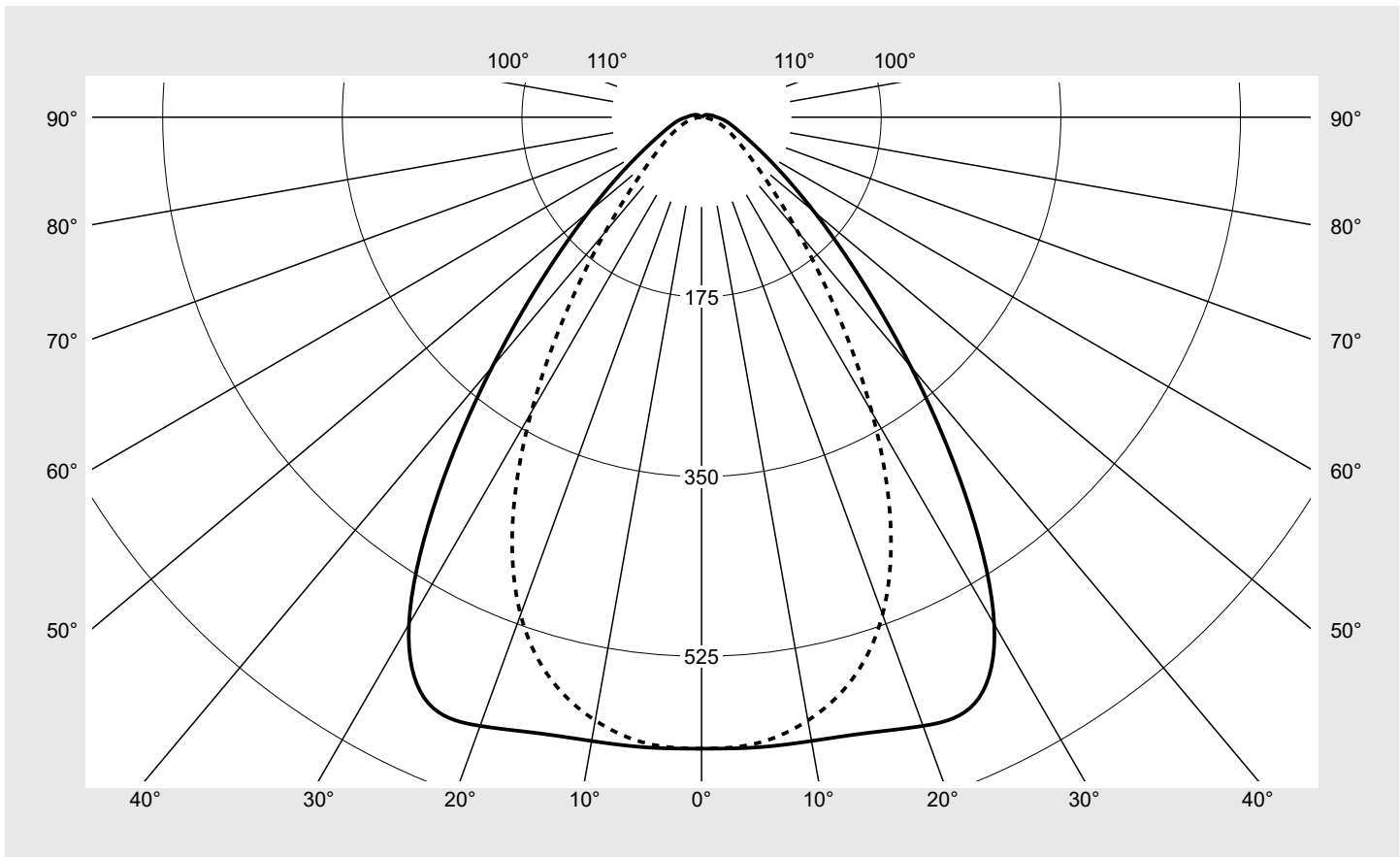


Photometric test report

Family Licross® Protected	Order number: 51TP12DN49XFD EAN: 4058352418499	LP number 58524_41
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Setting AC-mode Rated values Net luminous flux = 9020 lm Power consumption = 56.2 W Luminous efficacy = 160.5 lm/W	serial documentation 26.08.2020
		

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	20.9	22.3	21.3	22.6	23.0	17.7	19.1	18.0	19.4	19.7
	3H	21.3	22.6	21.7	22.9	23.3	18.0	19.3	18.4	19.6	20.0
	4H	21.6	22.7	22.0	23.1	23.5	18.2	19.4	18.6	19.7	20.1
	6H	21.9	22.9	22.3	23.3	23.7	18.3	19.4	18.7	19.8	20.1
	8H	22.1	23.0	22.5	23.4	23.8	18.4	19.4	18.8	19.8	20.2
	12H	22.3	23.1	22.7	23.5	23.9	18.4	19.3	18.8	19.7	20.2
4H	2H	21.0	22.2	21.4	22.5	22.9	18.2	19.3	18.6	19.7	20.1
	3H	21.5	22.5	21.9	22.9	23.3	18.7	19.6	19.1	20.0	20.4
	4H	21.9	22.7	22.3	23.1	23.6	18.9	19.8	19.3	20.2	20.6
	6H	22.3	23.0	22.7	23.4	23.9	19.1	19.8	19.5	20.3	20.7
	8H	22.5	23.2	23.0	23.6	24.1	19.1	19.8	19.6	20.3	20.8
	12H	22.8	23.4	23.3	23.8	24.3	19.2	19.8	19.7	20.3	20.8
8H	4H	21.9	22.6	22.3	23.0	23.5	19.1	19.8	19.6	20.2	20.7
	6H	22.4	22.9	22.9	23.4	23.9	19.4	20.0	19.9	20.4	20.9
	8H	22.7	23.2	23.2	23.7	24.2	19.5	20.0	20.0	20.5	21.0
	12H	23.1	23.5	23.6	24.0	24.5	19.6	20.0	20.1	20.5	21.1
12H	4H	21.9	22.5	22.3	22.9	23.4	19.2	19.7	19.7	20.2	20.7
	6H	22.4	22.9	22.9	23.3	23.9	19.5	20.0	20.0	20.4	21.0
	8H	22.7	23.1	23.2	23.6	24.2	19.6	20.1	20.2	20.6	21.1

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°	20262.6	21535.1	23570.5	21221.1	15063.2	11188.4	10391.0	
	50°	14508.5	15503.2	17314.8	15438.0	10804.0	8182.5	7786.9	
	55°	10624.8	11304.6	12634.9	11088.4	7889.2	6372.9	6308.2	
	60°	8129.8	8504.1	9279.2	8225.5	6111.5	5240.2	5385.3	
	65°	6679.7	6807.9	7052.7	6310.0	5014.9	4508.8	4751.4	
	70°	5940.0	5866.6	5634.9	5078.4	4323.3	3989.6	4286.0	
	75°	5678.6	5417.0	4818.4	4281.3	3817.3	3538.3	3848.2	
	80°	5740.7	5343.6	4483.9	3804.2	3434.8	3173.8	3421.1	
	85°	6069.4	5608.4	4548.2	3730.0	3281.6	2900.8	3089.4	

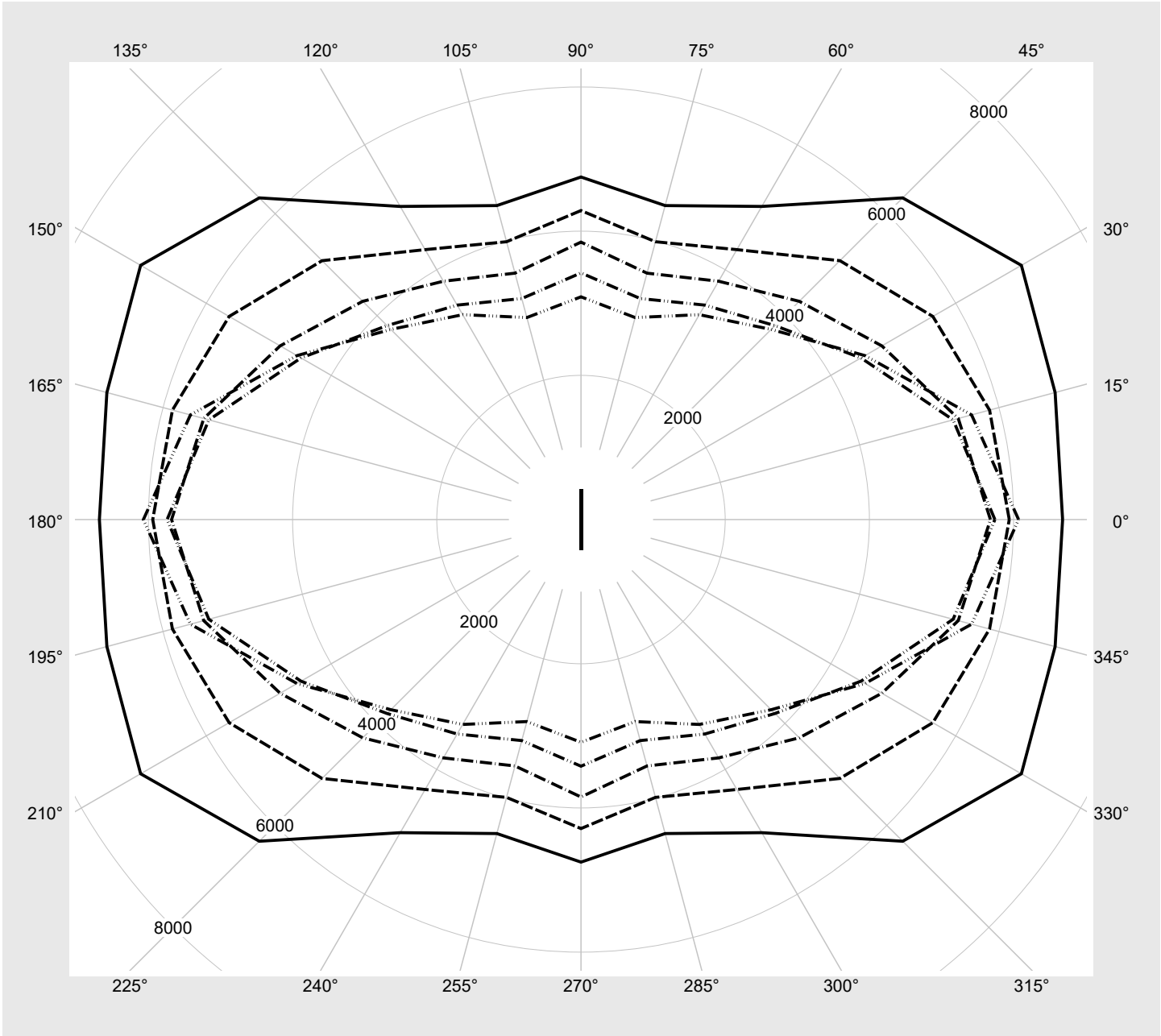
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Luminance values in cd/m²

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	9020	56.2
95	241	252	8569	53.2
90	227	250	8109	50.1
85	214	248	7660	47.3
80	200	245	7199	44.2
75	187	243	6749	41.4
70	175	240	6311	38.6
65	162	238	5862	35.8
60	149	234	5412	33.0
55	136	231	4963	30.2
50	123	227	4514	27.5
45	111	224	4076	25.0
40	97	219	3590	22.1
35	85	214	3152	19.7
30	73	208	2714	17.1
25	60	201	2239	14.4
20	49	194	1814	12.1
15	36	182	1338	9.5
10	25	169	913	7.3
5	13	145	474	4.7