

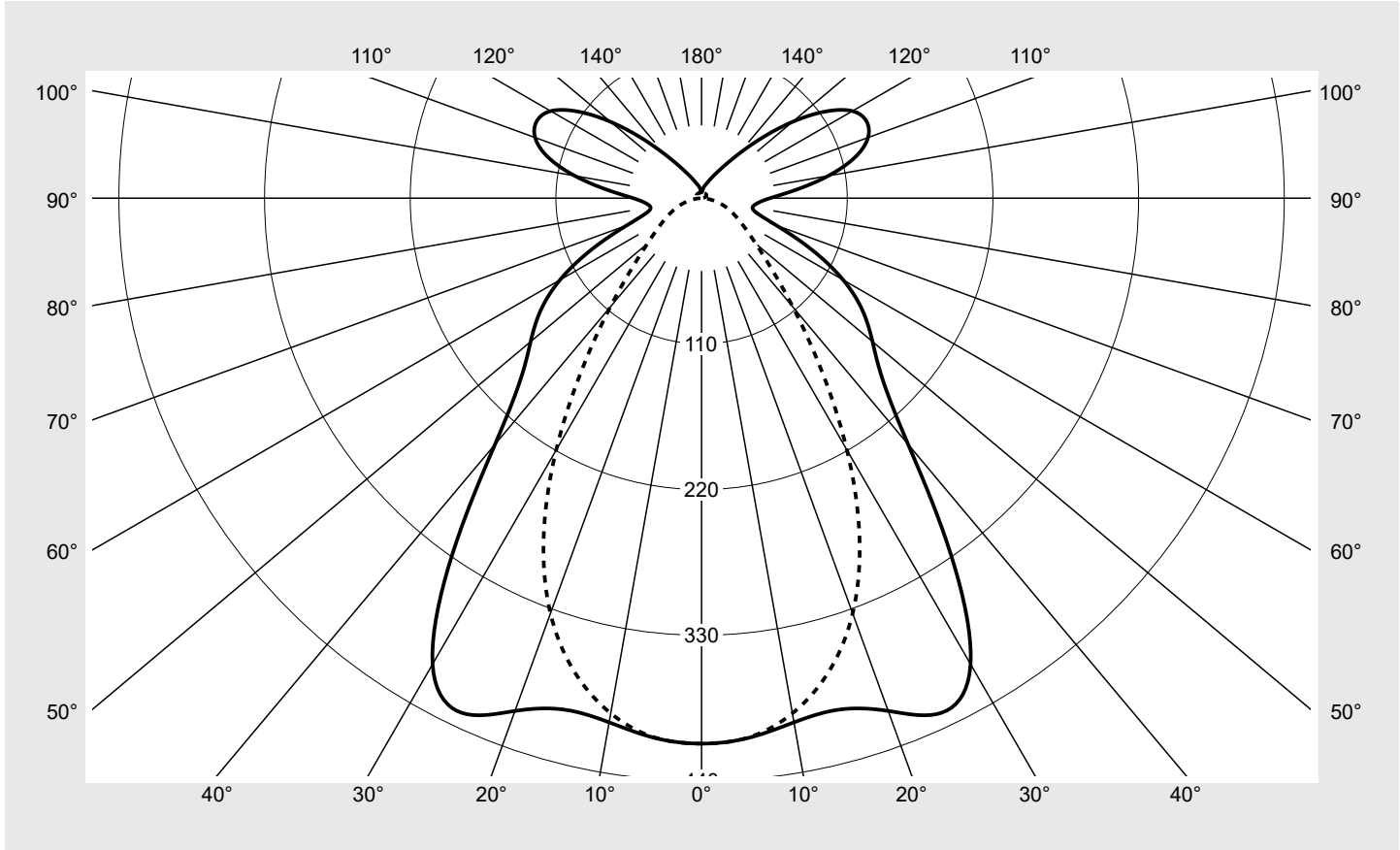


Photometric test report

Family Licross® 11 Performance	Order number: 51TD16DN6EXM EAN: 4069025012821	LP number 58519_293
	Version cover frosted, direct-/ indirect distribution Lamps LED 6500 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 14180 lm Power consumption = 81.4 W Luminous efficacy = 174.2 lm/W	serial documentation 18.12.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 429 cd/klm**



Classifications	
DIN 5040	B 5 1
CIE	N1=63 N2=86 N3=95 N4=78 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	78.1%
ϕ_o	21.9%

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°	411.8	411.8	411.8	411.8	411.8	411.8	411.8	2.5	2.5
5°	409.0	407.3	405.0	406.4	408.3	408.3	408.7	19.5	21.9
10°	401.9	399.8	395.6	394.8	395.0	394.6	395.0	37.7	59.6
15°	399.8	396.0	386.0	378.7	373.7	370.5	370.4	54.1	113.8
20°	412.0	404.2	382.1	360.3	344.8	335.4	333.6	68.7	182.5
25°	428.7	419.7	386.2	342.0	307.4	287.4	282.2	81.0	263.5
30°	406.2	406.4	384.2	323.4	261.9	228.9	219.5	87.6	351.1
35°	328.1	339.8	351.8	297.2	211.1	168.2	156.8	84.4	435.5
40°	242.7	253.2	284.0	257.1	161.6	117.6	107.2	73.3	508.8
45°	193.2	191.3	206.1	202.2	118.6	81.5	73.7	60.3	569.1
50°	168.5	157.2	146.5	145.8	85.8	58.6	53.4	49.3	618.5
55°	148.6	133.1	107.2	99.9	62.9	44.3	40.9	40.6	659.0
60°	123.5	108.6	80.0	67.9	46.9	34.4	32.2	32.9	691.9
65°	91.5	81.0	59.1	47.5	36.1	27.0	25.4	25.6	717.5
70°	60.2	54.5	42.3	34.6	28.0	21.0	19.4	18.9	736.4
75°	43.1	39.2	31.3	26.2	21.7	15.5	13.5	14.3	750.7
80°	39.2	35.6	27.4	20.7	16.7	10.7	8.0	12.1	762.9
85°	42.5	38.8	29.2	19.4	12.9	6.9	3.4	11.8	774.7
90°	51.7	47.2	34.3	20.7	11.3	4.4	0.6	13.1	787.8
95°	71.3	64.2	44.5	24.7	12.8	5.2	1.1	17.1	804.9
100°	97.2	85.6	55.2	28.6	14.3	6.1	1.8	21.5	826.4
105°	120.2	103.0	65.3	32.5	15.7	6.9	2.8	25.1	851.6
110°	133.8	113.4	72.0	35.7	17.0	7.6	3.5	27.0	878.6
115°	137.4	116.7	75.1	37.4	17.7	8.2	3.9	27.0	905.5
120°	131.5	112.0	72.9	36.7	17.5	8.5	4.2	25.0	930.5
125°	114.0	97.3	64.4	33.4	16.5	8.4	4.4	20.9	951.4
130°	89.6	76.8	52.0	28.4	14.9	8.3	4.5	15.9	967.3
135°	64.2	55.4	38.9	22.9	13.2	7.9	4.4	11.1	978.4
140°	43.4	38.1	28.3	18.4	11.3	7.3	4.5	7.5	985.9
145°	29.7	26.7	21.1	14.9	9.5	6.3	4.4	5.0	990.9
150°	21.4	19.7	16.5	11.7	8.2	5.8	4.4	3.4	994.4
155°	16.0	15.0	12.7	9.4	8.0	5.2	4.3	2.3	996.7
160°	12.3	11.7	9.5	8.1	6.6	5.4	4.1	1.5	998.2
165°	10.0	9.6	7.9	6.6	5.9	4.7	4.5	1.0	999.2
170°	7.8	6.8	5.5	5.6	6.0	4.8	4.8	0.6	999.8
175°	4.9	4.4	4.8	4.8	4.9	4.9	5.2	0.2	1000.0
180°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	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	20.6	21.9	21.2	22.5	23.1	16.2	17.4	16.8	18.0	18.7
	3H	21.4	22.5	22.0	23.1	23.9	16.7	17.8	17.3	18.4	19.1
	4H	21.7	22.7	22.3	23.3	24.1	16.9	18.0	17.6	18.6	19.3
	6H	22.0	22.9	22.7	23.6	24.4	17.1	18.1	17.8	18.8	19.5
	8H	22.3	23.1	23.0	23.8	24.6	17.1	18.0	17.8	18.7	19.5
	12H	22.6	23.3	23.3	24.0	24.9	17.2	18.0	17.8	18.7	19.5
4H	2H	20.6	21.7	21.2	22.3	23.0	16.8	17.8	17.5	18.5	19.2
	3H	21.5	22.4	22.2	23.1	23.9	17.5	18.4	18.2	19.0	19.8
	4H	21.9	22.7	22.6	23.4	24.2	17.8	18.6	18.5	19.3	20.1
	6H	22.4	23.1	23.1	23.8	24.6	18.1	18.8	18.8	19.5	20.3
	8H	22.8	23.4	23.5	24.1	25.0	18.2	18.8	18.9	19.5	20.4
	12H	23.3	23.8	24.0	24.5	25.4	18.2	18.8	19.0	19.5	20.4
8H	4H	21.9	22.5	22.6	23.2	24.1	18.1	18.7	18.8	19.4	20.3
	6H	22.5	23.0	23.3	23.8	24.7	18.5	19.0	19.3	19.8	20.7
	8H	23.0	23.5	23.8	24.2	25.1	18.7	19.2	19.5	20.0	20.9
	12H	23.7	24.1	24.5	24.9	25.8	18.9	19.2	19.7	20.0	21.0
12H	4H	21.8	22.4	22.6	23.1	24.0	18.2	18.7	18.9	19.4	20.3
	6H	22.5	22.9	23.3	23.7	24.6	18.7	19.1	19.5	19.9	20.8
	8H	23.1	23.4	23.8	24.2	25.2	19.0	19.3	19.7	20.1	21.1

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 36	H(C180) = 36
			B = 115	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°	17340.0	17311.0	19108.0	19508.4	12079.8	8880.1	8686.3	
	50°	15904.5	14975.1	14354.8	14950.4	9375.8	6931.7	6924.7	
	55°	14918.9	13498.3	11225.9	11021.2	7463.2	5763.8	5940.0	
	60°	13340.2	11873.2	9075.2	8180.1	6151.3	5023.1	5362.7	
	65°	10791.1	9686.9	7363.2	6356.3	5326.7	4539.6	5001.2	
	70°	7881.2	7254.7	5901.2	5246.4	4772.1	4177.9	4719.6	
	75°	6398.4	5935.8	5015.1	4621.4	4416.6	3822.9	4355.0	
	80°	6770.6	6299.2	5183.9	4403.9	4252.0	3530.9	3843.6	
	85°	8878.7	8313.3	6803.8	5257.4	4417.6	3426.0	3283.6	

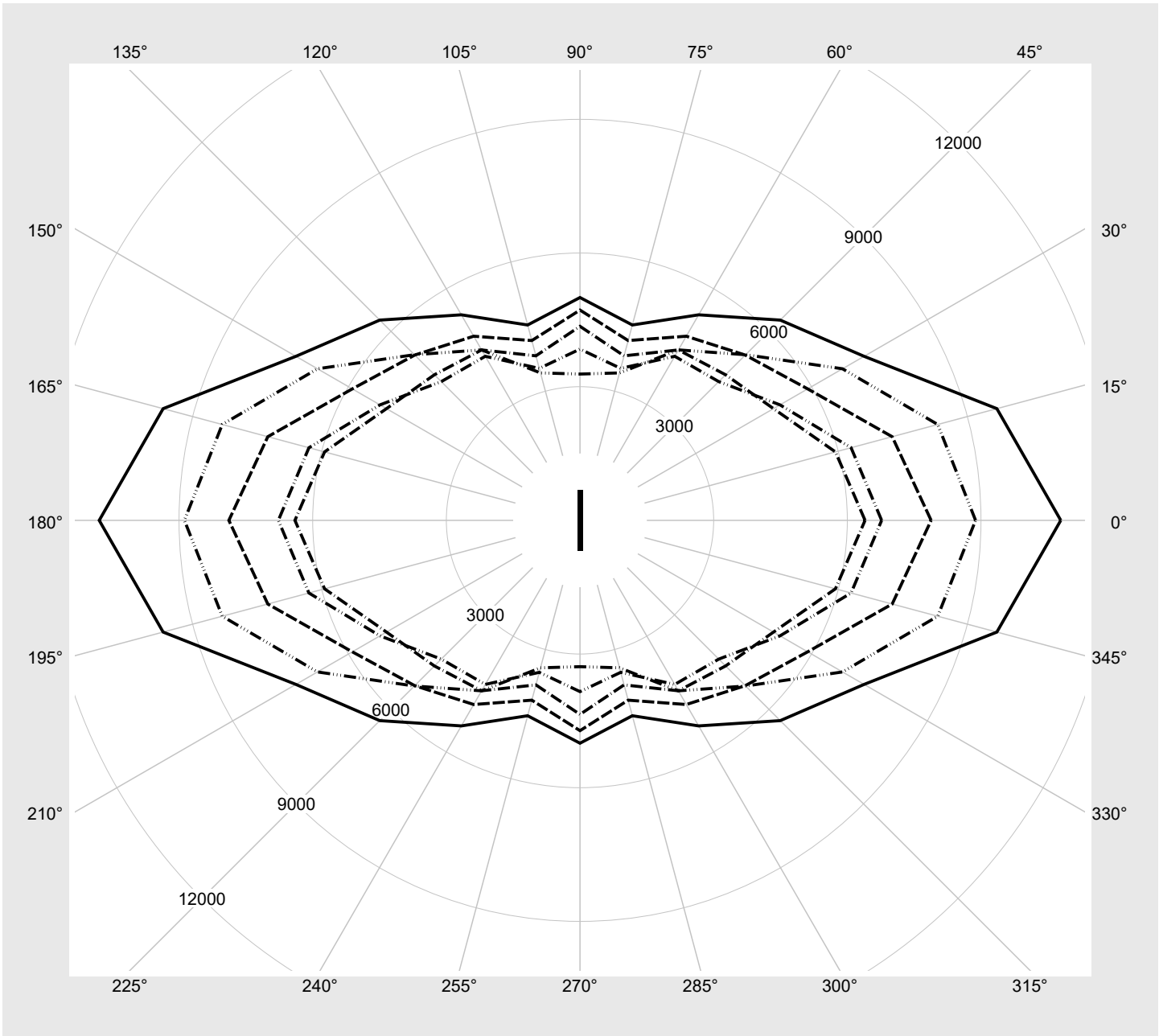
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Luminance values in cd/m²

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	14180	81.4
95	240	252	13454	76.8
90	227	250	12773	72.6
85	213	248	12031	67.9
80	200	245	11339	63.9
75	187	243	10641	59.6
70	174	240	9938	55.6
65	161	237	9231	51.4
60	148	234	8518	47.4
55	135	231	7800	43.3
50	122	227	7073	39.3
45	110	223	6400	35.6
40	97	219	5664	31.7
35	85	214	4978	28.0
30	72	208	4230	24.1
25	60	201	3535	20.5
20	48	193	2834	16.9
15	36	182	2129	13.4
10	24	168	1418	9.6
5	12	142	703	6.2
2	4	102	222	3.9