

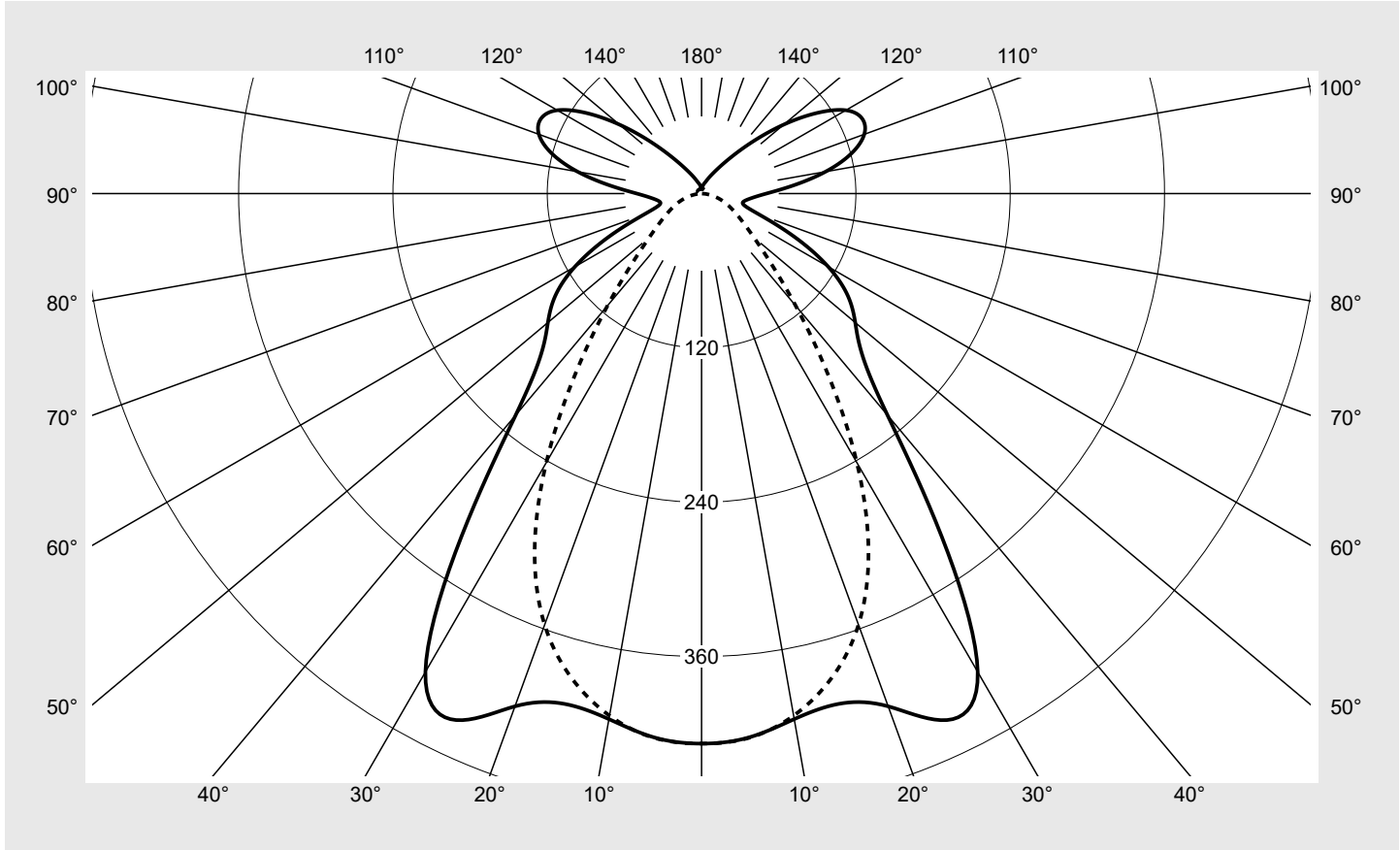


Photometric test report

Family Licross® 11 Performance	Order number: 51TD16VND65G EAN: 4058352972151	LP number 58520_412
	Version cover frosted, direct-/ indirect distribution Lamps LED 4000 K CRI ≥ 90 Controlgear ECG-DALI CLO Rated values Net luminous flux = 6500 lm Power consumption = 38.7 W Luminous efficacy = 168 lm/W	serial documentation 13.11.2025
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 452 cd/klm**



Classifications	
DIN 5040	B 5 1
CIE	N1=65 N2=88 N3=96 N4=79 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	79.3%
ϕ_o	20.7%

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°	427.7	427.7	427.7	427.7	427.7	427.7	427.7	2.6	2.6
5°	424.4	422.4	420.2	422.1	424.3	424.4	424.8	20.2	22.8
10°	414.9	412.5	408.9	409.5	411.2	411.6	412.2	39.1	61.9
15°	410.8	406.7	398.1	393.2	390.9	389.7	390.1	56.3	118.2
20°	424.3	415.5	394.5	375.8	364.0	357.7	356.8	71.8	190.0
25°	451.7	439.9	403.9	360.3	329.2	311.6	307.2	85.9	275.8
30°	429.5	430.9	412.5	347.4	284.5	251.0	241.5	94.2	370.0
35°	325.6	344.5	379.3	329.0	231.5	183.8	171.0	89.9	460.0
40°	224.9	238.5	293.1	289.7	177.2	125.7	113.8	76.0	535.9
45°	176.4	174.8	199.5	224.7	128.0	84.3	75.7	60.6	596.5
50°	156.0	144.3	136.6	154.2	90.2	58.9	53.2	48.2	644.7
55°	139.0	122.9	98.4	99.7	63.9	43.4	39.8	38.7	683.4
60°	113.7	99.1	72.2	64.7	46.3	33.0	30.8	30.7	714.1
65°	79.7	70.2	51.6	43.8	34.5	25.6	24.0	23.0	737.1
70°	47.7	43.4	35.6	31.1	26.2	19.7	18.2	16.2	753.3
75°	33.9	31.2	26.1	23.2	19.9	14.4	12.7	12.2	765.5
80°	33.7	30.7	23.7	18.2	15.1	9.9	7.5	10.6	776.1
85°	39.3	35.6	26.3	17.2	11.4	6.2	3.2	10.7	786.9
90°	50.4	45.6	32.3	18.9	10.0	3.9	0.6	12.4	799.3
95°	71.3	63.5	42.3	22.5	11.4	4.6	1.0	16.4	815.7
100°	97.9	84.6	52.5	26.5	12.9	5.3	1.6	20.8	836.6
105°	120.7	101.7	62.6	30.2	14.2	6.1	2.4	24.4	860.9
110°	134.6	112.6	69.4	33.2	15.3	6.7	2.9	26.3	887.2
115°	137.8	115.5	72.0	34.6	16.0	7.2	3.2	26.1	913.3
120°	129.6	108.9	68.7	33.6	15.7	7.4	3.5	23.8	937.1
125°	109.1	92.2	59.5	30.3	14.7	7.4	3.7	19.5	956.6
130°	83.4	71.0	47.4	25.5	13.2	7.2	3.7	14.5	971.2
135°	58.6	50.3	35.1	20.5	11.4	6.8	3.7	10.0	981.2
140°	39.2	34.3	25.3	16.3	9.8	6.3	3.7	6.7	987.9
145°	26.6	23.8	18.6	13.0	8.2	5.4	3.7	4.4	992.3
150°	18.7	17.2	14.2	10.0	6.9	5.0	3.7	2.9	995.2
155°	13.8	12.8	10.8	7.8	6.8	4.4	3.6	2.0	997.2
160°	10.2	9.8	7.9	6.8	5.6	4.6	3.5	1.3	998.5
165°	8.2	7.8	6.5	5.6	5.0	4.1	3.7	0.8	999.3
170°	6.4	5.6	4.7	4.7	5.0	4.1	3.9	0.5	999.8
175°	4.2	3.7	4.1	4.1	4.1	4.2	4.2	0.2	1000.0
180°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	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	17.6	18.8	18.1	19.4	20.0	13.8	15.0	14.3	15.6	16.2
	3H	18.2	19.3	18.8	19.9	20.6	14.2	15.3	14.8	15.9	16.6
	4H	18.3	19.3	19.0	20.0	20.7	14.4	15.4	15.0	16.0	16.7
	6H	18.6	19.5	19.3	20.2	20.9	14.5	15.5	15.2	16.1	16.8
	8H	18.8	19.6	19.5	20.3	21.1	14.5	15.4	15.2	16.1	16.8
	12H	19.2	19.9	19.9	20.6	21.4	14.5	15.4	15.2	16.0	16.8
4H	2H	17.6	18.6	18.2	19.2	19.9	14.2	15.2	14.9	15.9	16.6
	3H	18.3	19.1	18.9	19.8	20.5	14.8	15.7	15.5	16.3	17.1
	4H	18.5	19.3	19.2	20.0	20.8	15.1	15.9	15.8	16.5	17.3
	6H	18.9	19.6	19.7	20.3	21.1	15.3	16.0	16.0	16.7	17.5
	8H	19.3	19.9	20.0	20.6	21.5	15.4	16.0	16.1	16.7	17.6
	12H	19.8	20.3	20.6	21.1	21.9	15.4	16.0	16.1	16.7	17.5
8H	4H	18.5	19.1	19.2	19.8	20.6	15.3	15.8	16.0	16.6	17.4
	6H	19.0	19.5	19.8	20.3	21.2	15.6	16.1	16.4	16.9	17.8
	8H	19.5	20.0	20.3	20.7	21.6	15.8	16.3	16.6	17.0	17.9
	12H	20.3	20.7	21.1	21.4	22.4	15.9	16.3	16.7	17.1	18.0
12H	4H	18.4	19.0	19.2	19.7	20.6	15.3	15.8	16.0	16.5	17.4
	6H	19.0	19.5	19.8	20.2	21.1	15.7	16.2	16.5	16.9	17.8
	8H	19.6	19.9	20.3	20.7	21.6	16.0	16.3	16.8	17.1	18.0

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°	7256.6	7248.8	8477.2	9936.6	5979.9	4212.4	4086.2	
	50°	6750.3	6300.5	6131.9	7249.7	4517.9	3193.1	3159.0	
	55°	6395.5	5716.4	4724.0	5045.1	3477.0	2589.8	2648.5	
	60°	5630.7	4969.1	3751.1	3572.6	2784.9	2213.7	2352.3	
	65°	4311.8	3845.5	2946.8	2684.0	2337.3	1973.0	2171.9	
	70°	2862.4	2646.5	2278.3	2162.4	2042.1	1798.0	2035.9	
	75°	2310.2	2161.2	1915.1	1874.7	1856.2	1635.3	1875.6	
	80°	2673.0	2489.3	2054.0	1772.5	1762.2	1494.7	1651.0	
	85°	3758.8	3505.3	2810.5	2135.5	1786.6	1413.0	1405.7	

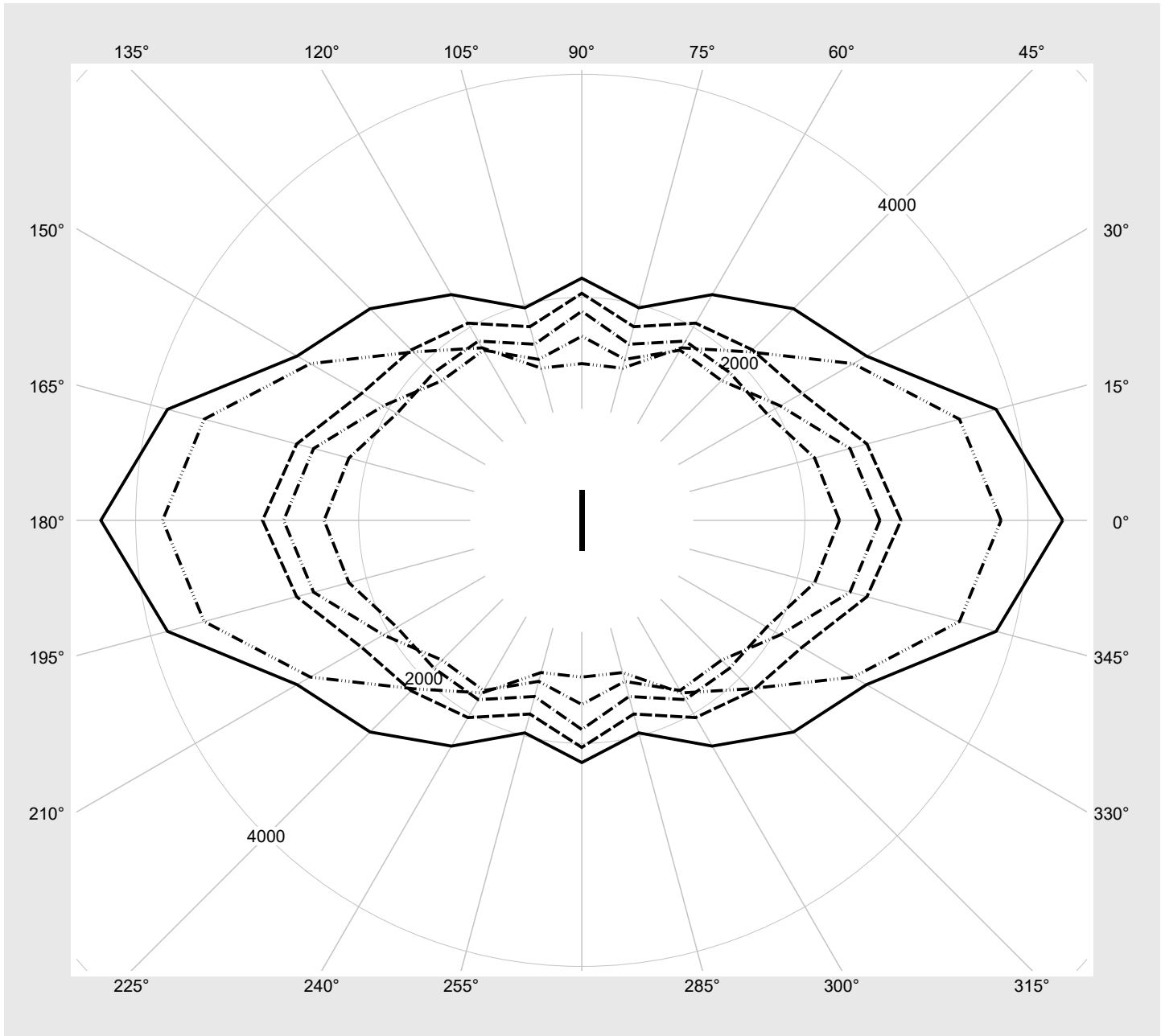
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Luminance values in cd/m²

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]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	6500	38.7	40.7	39.7
95	240	252	6166	36.6	38.5	37.6
90	227	250	5855	34.8	36.4	35.6
85	213	248	5516	32.7	34.4	33.6
80	200	245	5200	30.8	32.3	31.6
75	187	243	4881	28.9	30.3	29.6
70	174	240	4557	27.0	28.4	27.7
65	161	237	4232	25.1	26.4	25.8
60	148	234	3906	23.3	24.4	23.8
55	135	231	3577	21.4	22.4	21.9
50	122	227	3245	19.5	20.5	20.0
45	110	223	2937	17.9	18.7	18.3
40	97	219	2597	16.0	16.7	16.4
35	85	214	2285	14.3	14.9	14.6
30	72	208	1943	12.4	12.9	12.6
25	60	201	1626	10.7	11.0	10.8
20	48	193	1306	8.9	9.3	9.1
15	36	182	984	7.2	7.5	7.4
10	24	168	657	5.5	5.7	5.6
5	12	142	330	3.9	4.0	4.0
3	6	117	166	3.1	3.1	3.1