
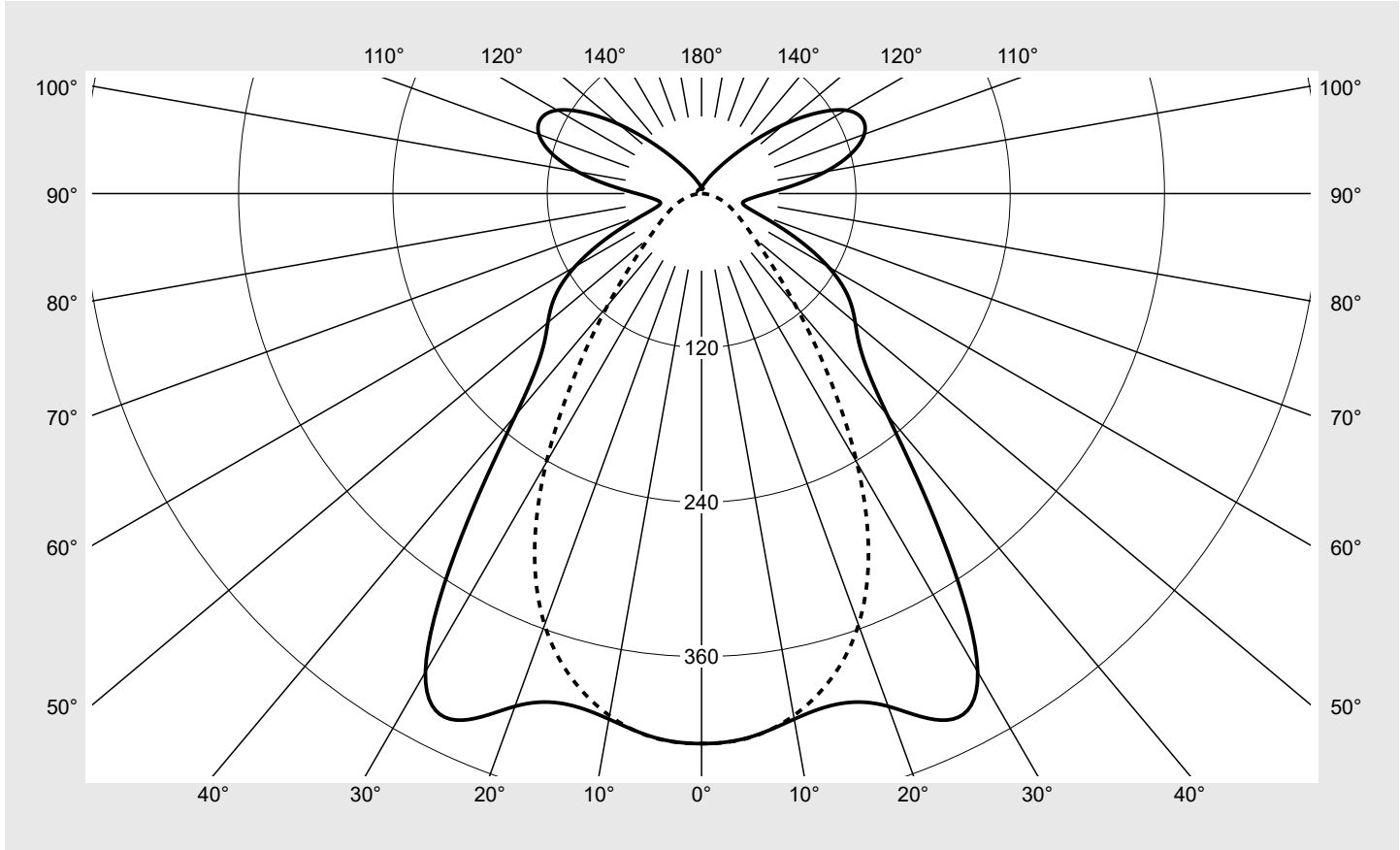


Photometric test report

Family Licross® 21 Performance	Order number: 52TD16VN465G EAN: 4058352979488	LP number 58520_371
	Version cover frosted, direct-/ indirect distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI CLO Rated values Net luminous flux = 6500 lm Power consumption = 36.1 W Luminous efficacy = 180.1 lm/W	serial documentation 07.11.2023
		

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	

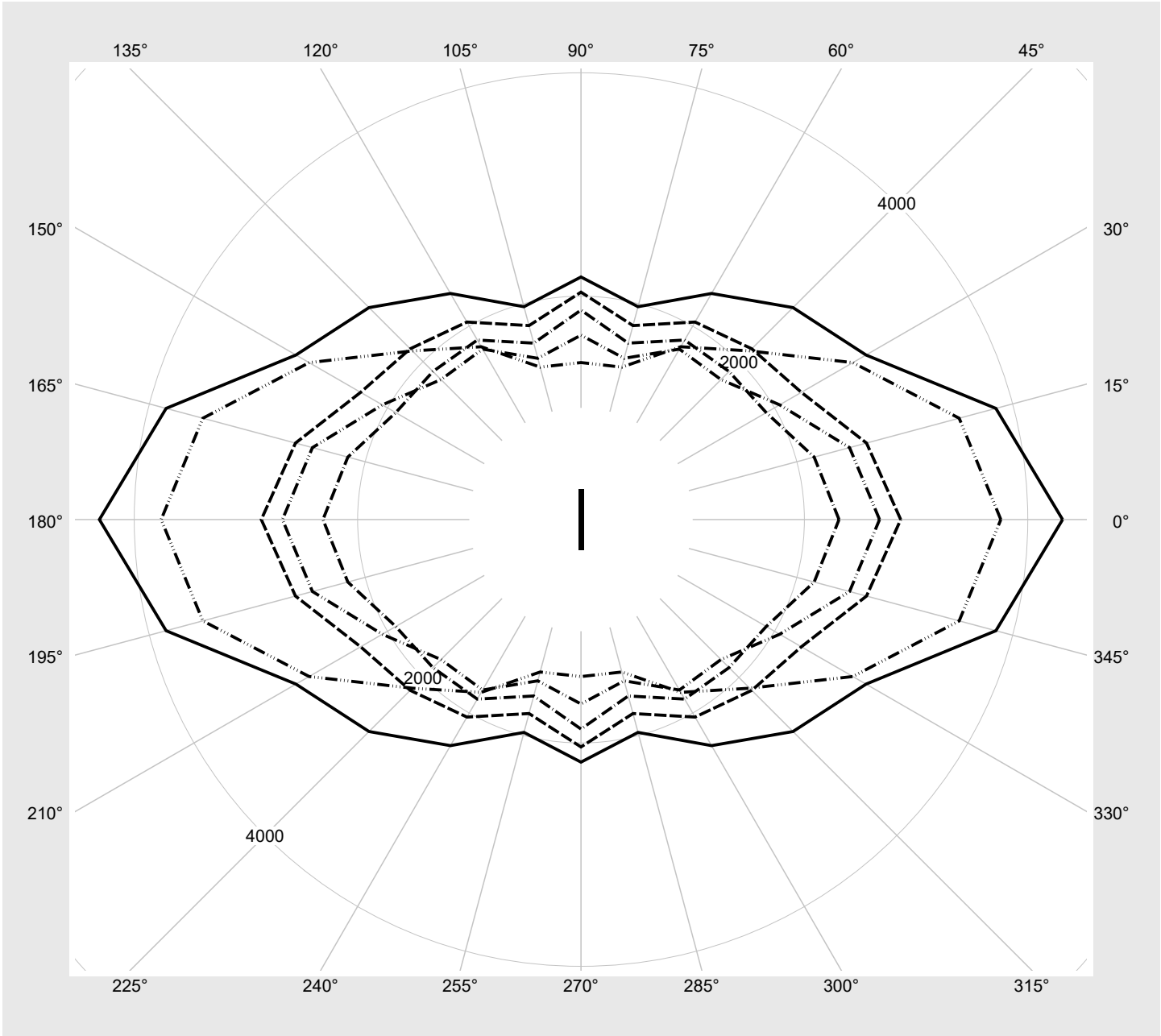
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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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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	36.1	42.8	39.4
95	241	252	6182	34.3	40.5	37.4
90	227	250	5839	32.4	38.3	35.3
85	214	248	5516	30.6	36.2	33.4
80	201	245	5194	28.9	34.0	31.4
75	188	243	4870	27.1	32.0	29.6
70	175	240	4542	25.3	29.8	27.6
65	162	238	4213	23.6	27.7	25.6
60	150	235	3908	22.0	25.8	23.9
55	137	231	3574	20.2	23.7	22.0
50	124	228	3242	18.5	21.7	20.1
45	112	224	2931	17.0	19.8	18.4
40	99	219	2595	15.2	17.7	16.4
35	87	215	2283	13.5	15.9	14.7
30	74	209	1943	11.8	13.7	12.8
25	62	202	1629	10.2	11.7	11.0
20	50	194	1313	8.6	9.8	9.2
15	37	183	968	6.9	7.8	7.4
10	25	169	651	5.3	6.0	5.6
5	13	145	332	3.9	4.2	4.0
2	6	117	144	2.9	3.1	3.0