



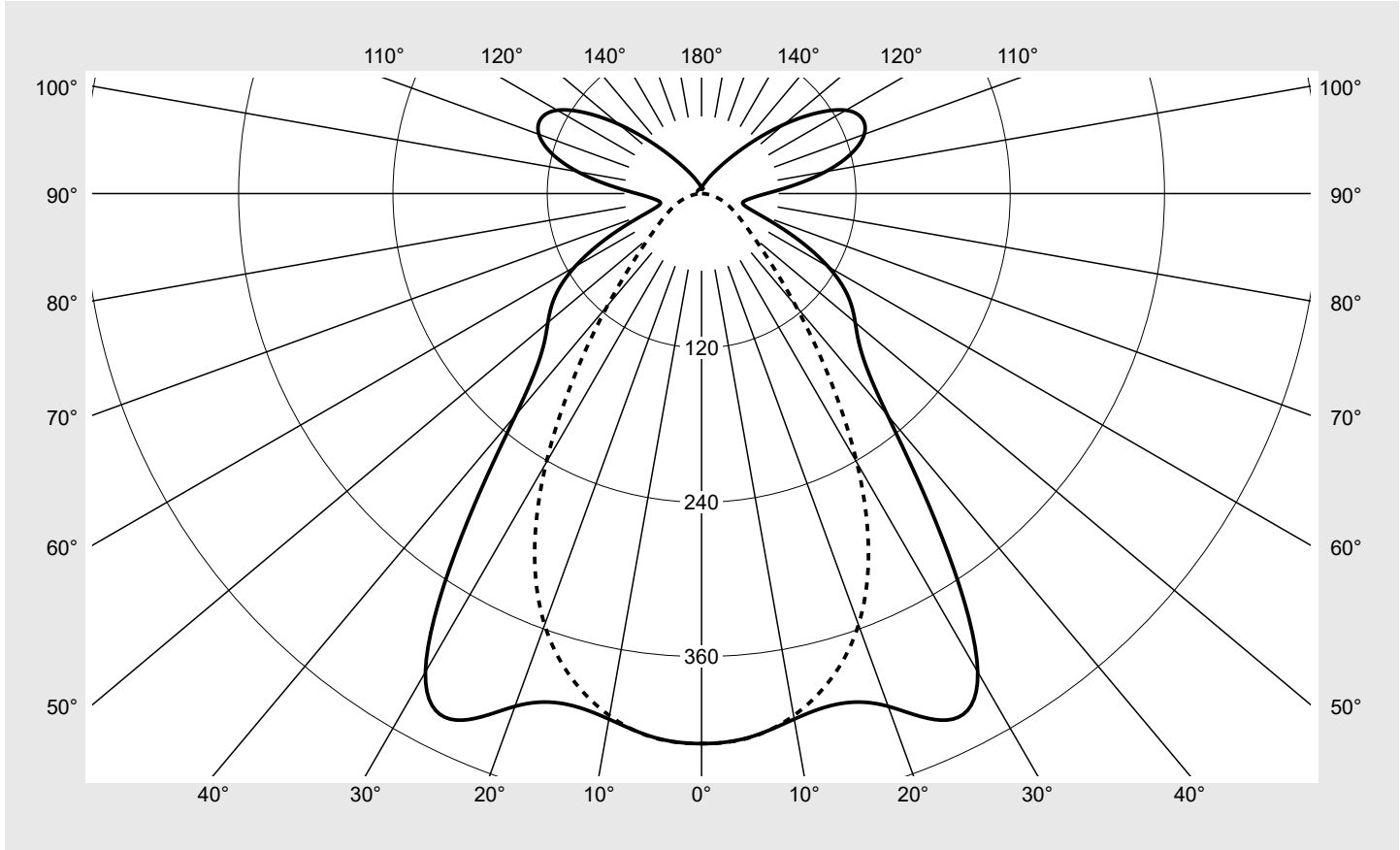
Photometric test report

Family Licross® 11 Performance	Order number: 51TD16VN48XG EAN: 4058352971178	LP number 58520_354
	Version cover frosted, direct-/ indirect distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI CLO Rated values Net luminous flux = 8000 lm Power consumption = 44.1 W Luminous efficacy = 181.4 lm/W	serial documentation 05.10.2023





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	18.3	19.6	18.9	20.1	20.8	14.5	15.8	15.1	16.3	17.0
	3H	18.9	20.0	19.5	20.6	21.3	14.9	16.0	15.5	16.6	17.3
	4H	19.1	20.1	19.7	20.7	21.4	15.1	16.2	15.7	16.8	17.5
	6H	19.3	20.2	20.0	20.9	21.6	15.2	16.2	15.9	16.8	17.6
	8H	19.6	20.4	20.3	21.0	21.8	15.2	16.1	15.9	16.8	17.5
	12H	19.9	20.6	20.6	21.3	22.1	15.3	16.1	15.9	16.8	17.5
4H	2H	18.3	19.4	18.9	20.0	20.6	15.0	16.0	15.6	16.6	17.3
	3H	19.0	19.8	19.6	20.5	21.3	15.5	16.4	16.2	17.0	17.8
	4H	19.2	20.0	19.9	20.7	21.5	15.8	16.6	16.5	17.3	18.1
	6H	19.7	20.3	20.4	21.0	21.9	16.0	16.7	16.7	17.4	18.2
	8H	20.0	20.6	20.7	21.3	22.2	16.1	16.7	16.8	17.4	18.3
	12H	20.5	21.0	21.3	21.8	22.7	16.1	16.7	16.9	17.4	18.3
8H	4H	19.2	19.8	19.9	20.5	21.4	16.0	16.6	16.7	17.3	18.1
	6H	19.8	20.3	20.5	21.0	21.9	16.4	16.8	17.1	17.6	18.5
	8H	20.3	20.7	21.0	21.5	22.3	16.5	17.0	17.3	17.7	18.6
	12H	21.0	21.4	21.8	22.2	23.1	16.6	17.0	17.4	17.8	18.7
12H	4H	19.1	19.7	19.9	20.4	21.3	16.0	16.5	16.8	17.2	18.1
	6H	19.7	20.2	20.5	20.9	21.8	16.5	16.9	17.2	17.6	18.6
	8H	20.3	20.7	21.1	21.4	22.4	16.7	17.1	17.5	17.8	18.8

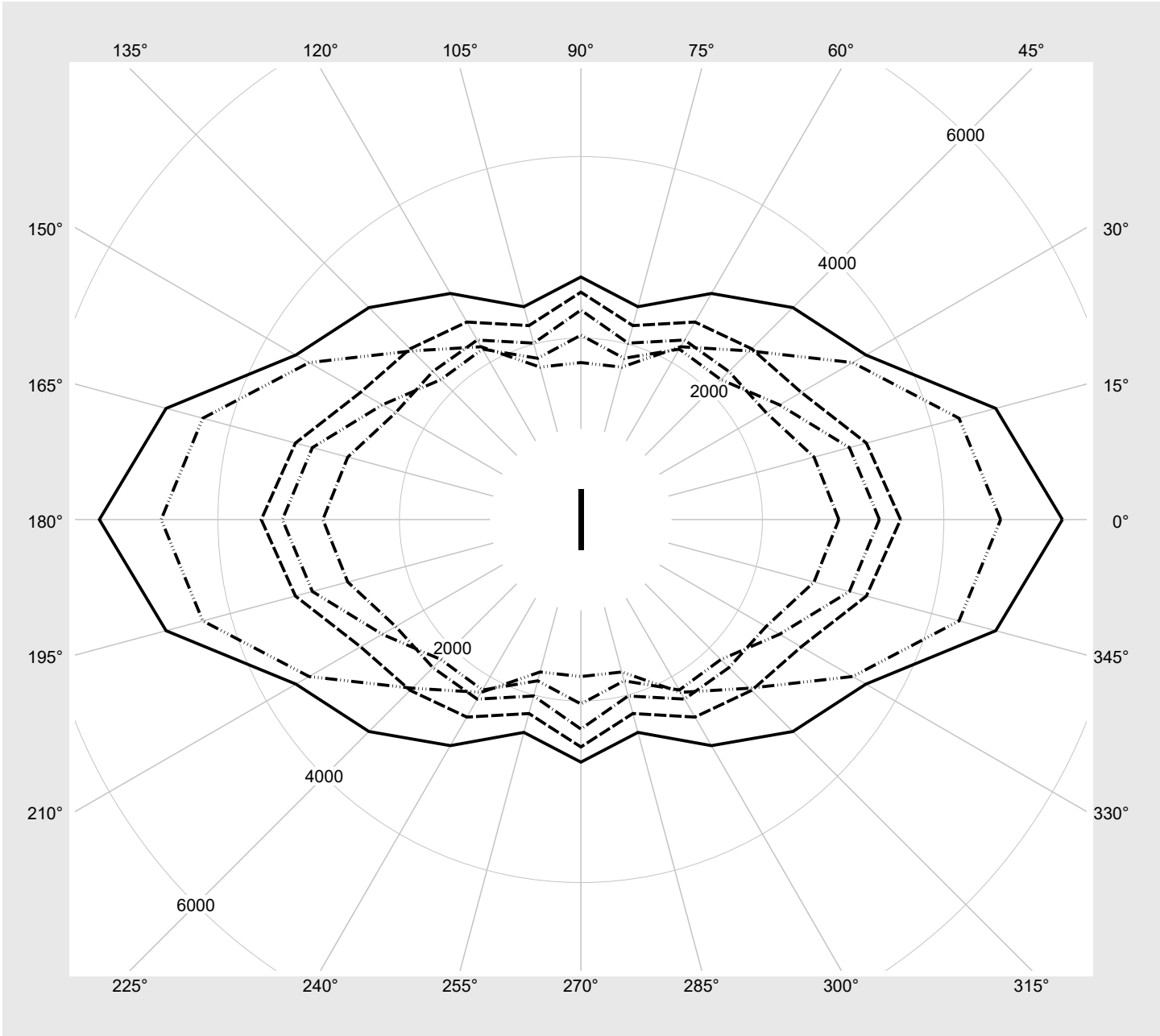
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 36	H(C180) = 36
			B = 115	H(C90) = 0	H(C270) = 0

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°	8931.2	8921.7	10433.5	12229.7	7359.8	5184.5	5029.2	
	50°	8308.1	7754.4	7547.0	8922.8	5560.5	3929.9	3888.0	
	55°	7871.4	7035.6	5814.1	6209.4	4279.4	3187.5	3259.7	
	60°	6930.0	6115.8	4616.8	4397.1	3427.6	2724.5	2895.1	
	65°	5306.8	4733.0	3626.9	3303.4	2876.7	2428.3	2673.1	
	70°	3522.9	3257.2	2804.1	2661.5	2513.3	2213.0	2505.7	
	75°	2843.3	2659.9	2357.0	2307.4	2284.6	2012.7	2308.4	
	80°	3289.8	3063.7	2528.0	2181.5	2168.8	1839.6	2032.0	
	85°	4626.2	4314.3	3459.1	2628.3	2198.9	1739.1	1730.1	

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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	8000	44.1	48.6	46.4
95	240	252	7586	41.7	46.0	43.8
90	227	250	7200	39.5	43.4	41.4
85	214	248	6808	37.2	41.0	39.1
80	200	245	6387	34.9	38.2	36.6
75	187	243	5992	32.6	35.8	34.2
70	174	240	5596	30.4	33.3	31.8
65	161	237	5194	28.2	31.0	29.6
60	148	234	4790	26.0	28.5	27.2
55	136	231	4415	24.1	26.3	25.2
50	123	227	4007	21.9	24.0	23.0
45	110	223	3595	19.8	21.6	20.7
40	98	219	3213	17.8	19.4	18.6
35	85	214	2794	15.8	17.1	16.5
30	73	208	2406	13.9	15.0	14.4
25	60	201	1984	11.6	12.6	12.1
20	48	193	1591	9.7	10.5	10.1
15	36	182	1195	7.8	8.4	8.1
10	24	168	795	5.8	6.2	6.0
5	12	142	394	4.0	4.1	4.0
2	5	110	159	2.9	3.0	3.0