



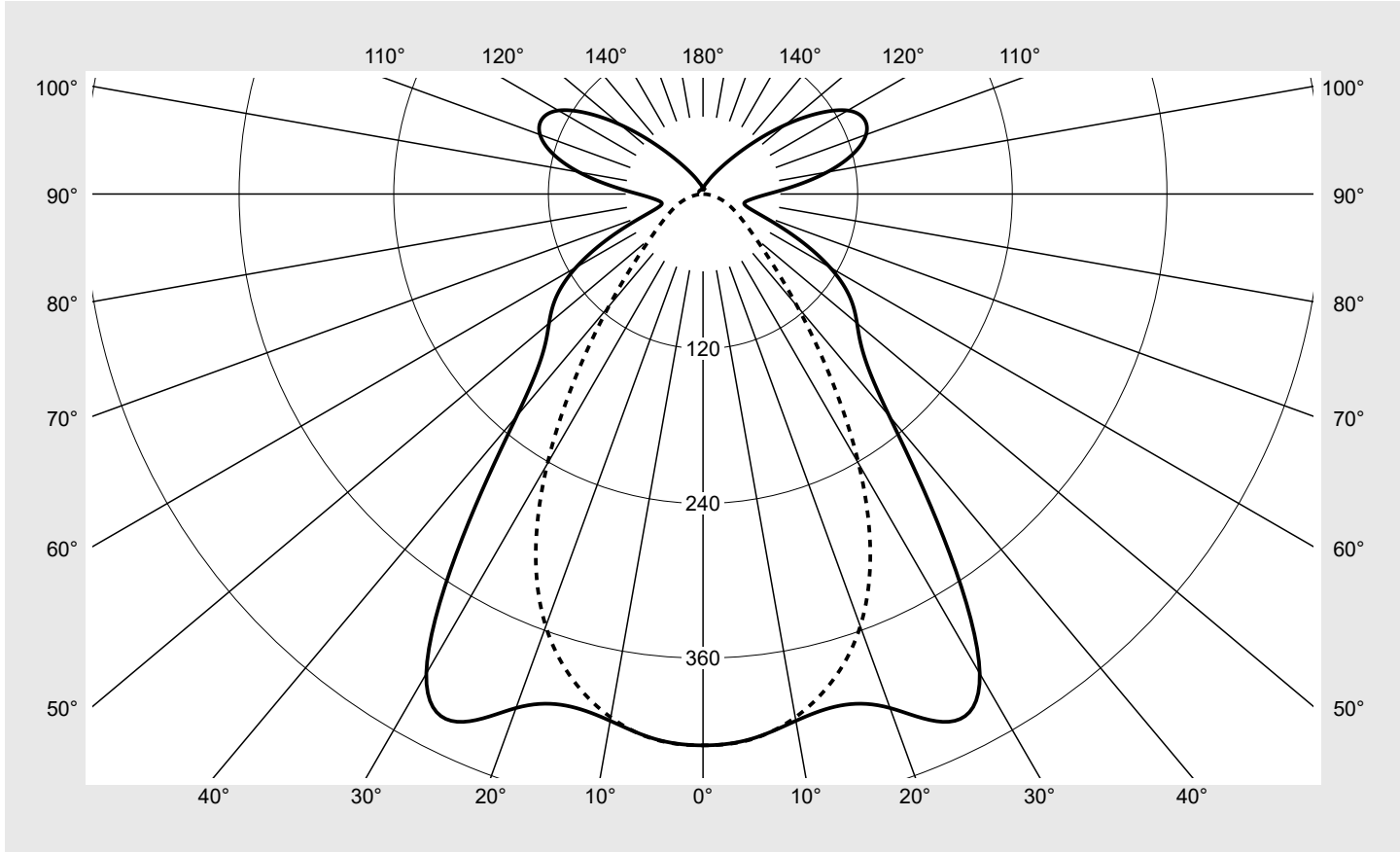
Photometric test report

Family Licross® 21 Performance	Order number: 52TD16CN49XG EAN: 4058352903063	LP number 58520_315
	Version cover frosted, direct-/ indirect distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 9240 lm Power consumption = 50.4 W Luminous efficacy = 183.3 lm/W	serial documentation 17.08.2023





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	18.8	20.1	19.4	20.6	21.3	15.0	16.3	15.6	16.8	17.5
	3H	19.4	20.5	20.0	21.1	21.8	15.4	16.5	16.0	17.1	17.8
	4H	19.6	20.6	20.2	21.2	21.9	15.6	16.7	16.2	17.3	18.0
	6H	19.8	20.7	20.5	21.4	22.1	15.8	16.7	16.4	17.3	18.1
	8H	20.1	20.9	20.8	21.5	22.3	15.7	16.6	16.4	17.3	18.0
	12H	20.4	21.1	21.1	21.8	22.6	15.8	16.6	16.4	17.3	18.0
4H	2H	18.8	19.9	19.4	20.5	21.1	15.5	16.5	16.1	17.1	17.8
	3H	19.5	20.3	20.1	21.0	21.8	16.0	16.9	16.7	17.5	18.3
	4H	19.7	20.5	20.4	21.2	22.0	16.3	17.1	17.0	17.8	18.6
	6H	20.2	20.8	20.9	21.5	22.4	16.5	17.2	17.2	17.9	18.7
	8H	20.5	21.1	21.2	21.8	22.7	16.6	17.2	17.3	17.9	18.8
	12H	21.0	21.5	21.8	22.3	23.2	16.6	17.2	17.4	17.9	18.8
8H	4H	19.7	20.3	20.4	21.0	21.9	16.5	17.1	17.2	17.8	18.6
	6H	20.3	20.8	21.0	21.5	22.4	16.9	17.3	17.6	18.1	19.0
	8H	20.8	21.2	21.5	22.0	22.8	17.0	17.5	17.8	18.2	19.1
	12H	21.5	21.9	22.3	22.7	23.6	17.1	17.5	17.9	18.3	19.2
12H	4H	19.6	20.2	20.4	20.9	21.8	16.5	17.0	17.3	17.7	18.6
	6H	20.2	20.7	21.0	21.4	22.3	17.0	17.4	17.7	18.1	19.1
	8H	20.8	21.2	21.6	21.9	22.9	17.2	17.6	18.0	18.3	19.3

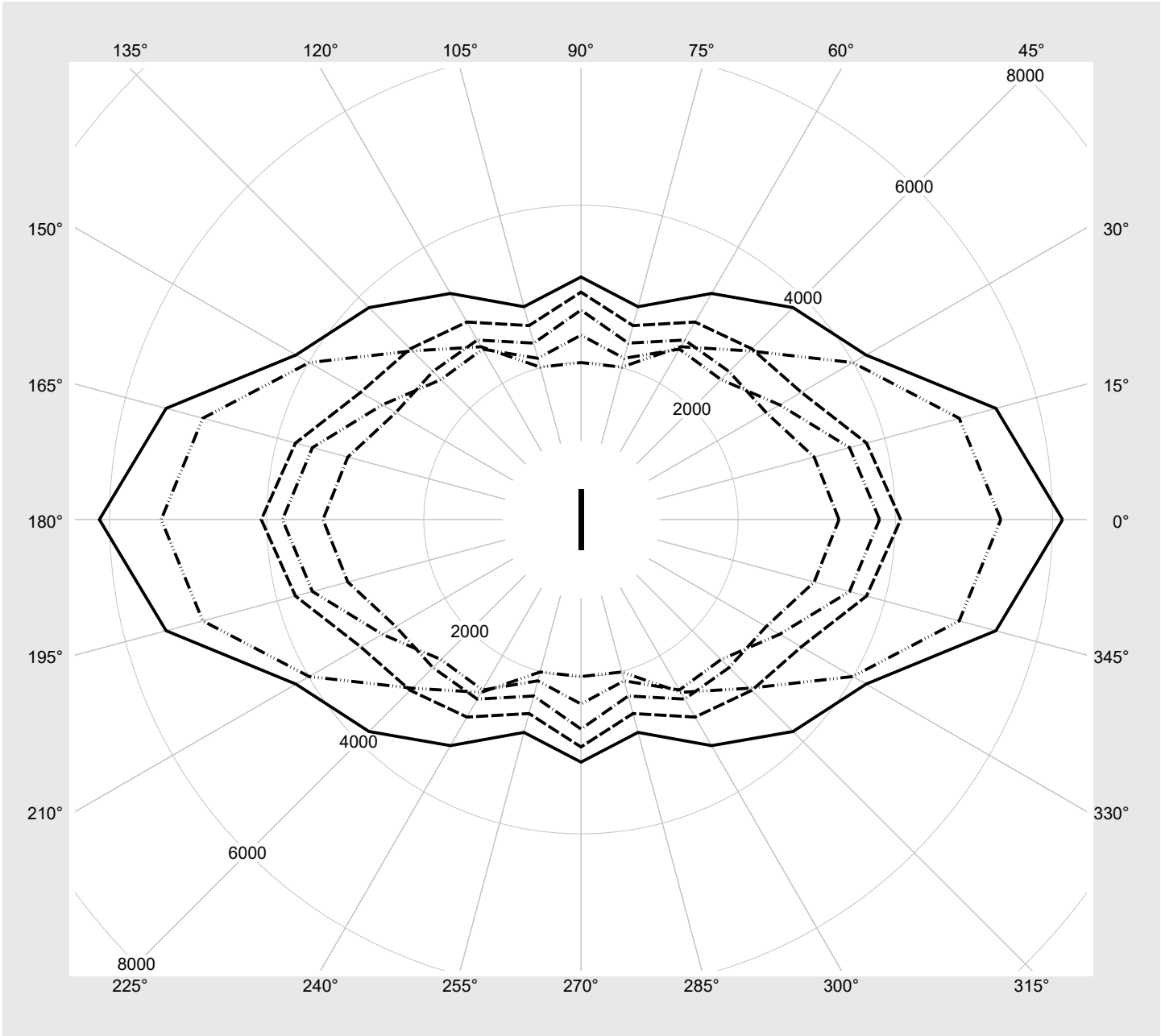
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 36	H(C180) = 36
			B = 115	H(C90) = 0	H(C270) = 0

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°	10315.6	10304.5	12050.7	14125.3	8500.6	5988.2	5808.7	
	50°	9595.8	8956.4	8716.7	10305.8	6422.4	4539.0	4490.7	
	55°	9091.5	8126.2	6715.3	7171.9	4942.7	3681.5	3764.9	
	60°	8004.2	7063.7	5332.4	5078.6	3958.9	3146.8	3343.9	
	65°	6129.4	5466.6	4189.1	3815.4	3322.6	2804.7	3087.4	
	70°	4069.0	3762.1	3238.7	3074.0	2902.9	2556.0	2894.1	
	75°	3284.0	3072.2	2722.4	2665.0	2638.7	2324.7	2666.2	
	80°	3799.7	3538.6	2919.9	2519.7	2505.0	2124.7	2347.0	
	85°	5343.2	4983.0	3995.2	3035.7	2539.8	2008.6	1998.3	

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			[W] end of lifetime	[W] average
1	A	C	E	9240	50.4	60.5	55.4
2	A	C	F	8652	47.0	56.1	51.6
3	A	D	E	8127	43.9	52.6	48.2
4	A	D	F	7602	41.0	48.7	44.8
5	B	C	E	7151	38.4	45.6	42.0
6	B	C	F	6615	35.4	41.7	38.6
7	B	D	E	6153	32.8	38.8	35.8
8	B	D	F	5607	29.9	35.4	32.6