

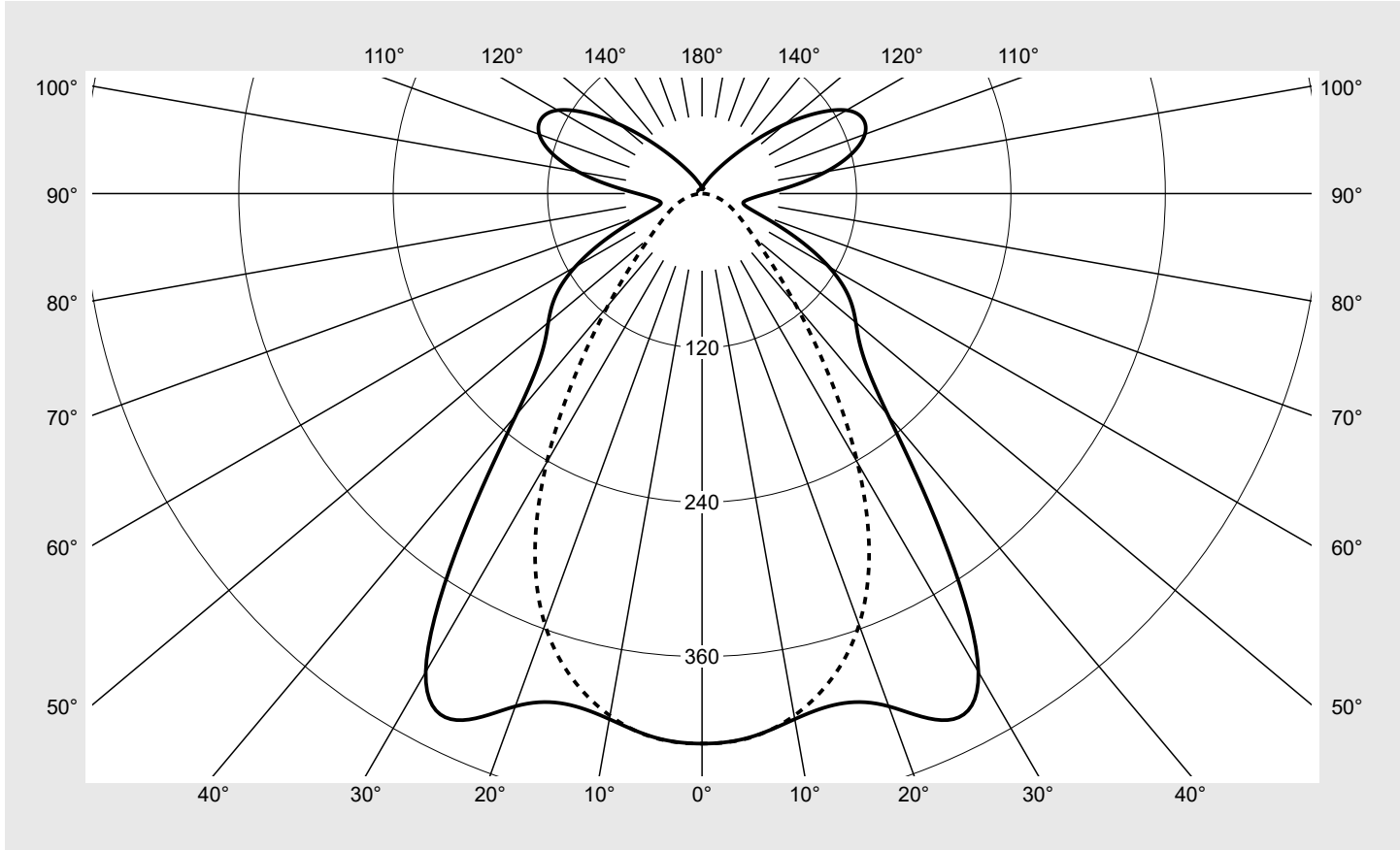
Photometric test report

Family Licross® 11 Performance	Order number: 51TM16CN49XG EAN: 4058352929964	LP number 58520_364
	Version cover frosted, direct-/ indirect distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 9190 lm Power consumption = 49.4 W Luminous efficacy = 186 lm/W	serial documentation 12.10.2023





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°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
	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	20.0	19.4	20.6	21.2	15.0	16.2	15.5	16.8	17.4
	3H	19.4	20.5	20.0	21.1	21.8	15.4	16.5	16.0	17.1	17.8
	4H	19.5	20.5	20.2	21.2	21.9	15.6	16.6	16.2	17.2	17.9
	6H	19.8	20.7	20.5	21.4	22.1	15.7	16.7	16.4	17.3	18.0
	8H	20.1	20.8	20.7	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	15.7	16.6	16.4	17.2	18.0
4H	2H	18.8	19.8	19.4	20.4	21.1	15.4	16.4	16.1	17.1	17.8
	3H	19.5	20.3	20.1	21.0	21.7	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	17.7	18.5
	6H	20.1	20.8	20.9	21.5	22.3	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	23.1	16.6	17.2	17.3	17.9	18.7
8H	4H	19.7	20.3	20.4	21.0	21.8	16.5	17.0	17.2	17.8	18.6
	6H	20.2	20.7	21.0	21.5	22.4	16.8	17.3	17.6	18.1	19.0
	8H	20.7	21.2	21.5	21.9	22.8	17.0	17.5	17.8	18.2	19.1
	12H	21.5	21.9	22.3	22.6	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	17.2	17.7	18.6
	6H	20.2	20.7	21.0	21.4	22.3	17.0	17.4	17.7	18.1	19.0
	8H	20.8	21.1	21.5	21.9	22.8	17.2	17.5	18.0	18.3	19.2

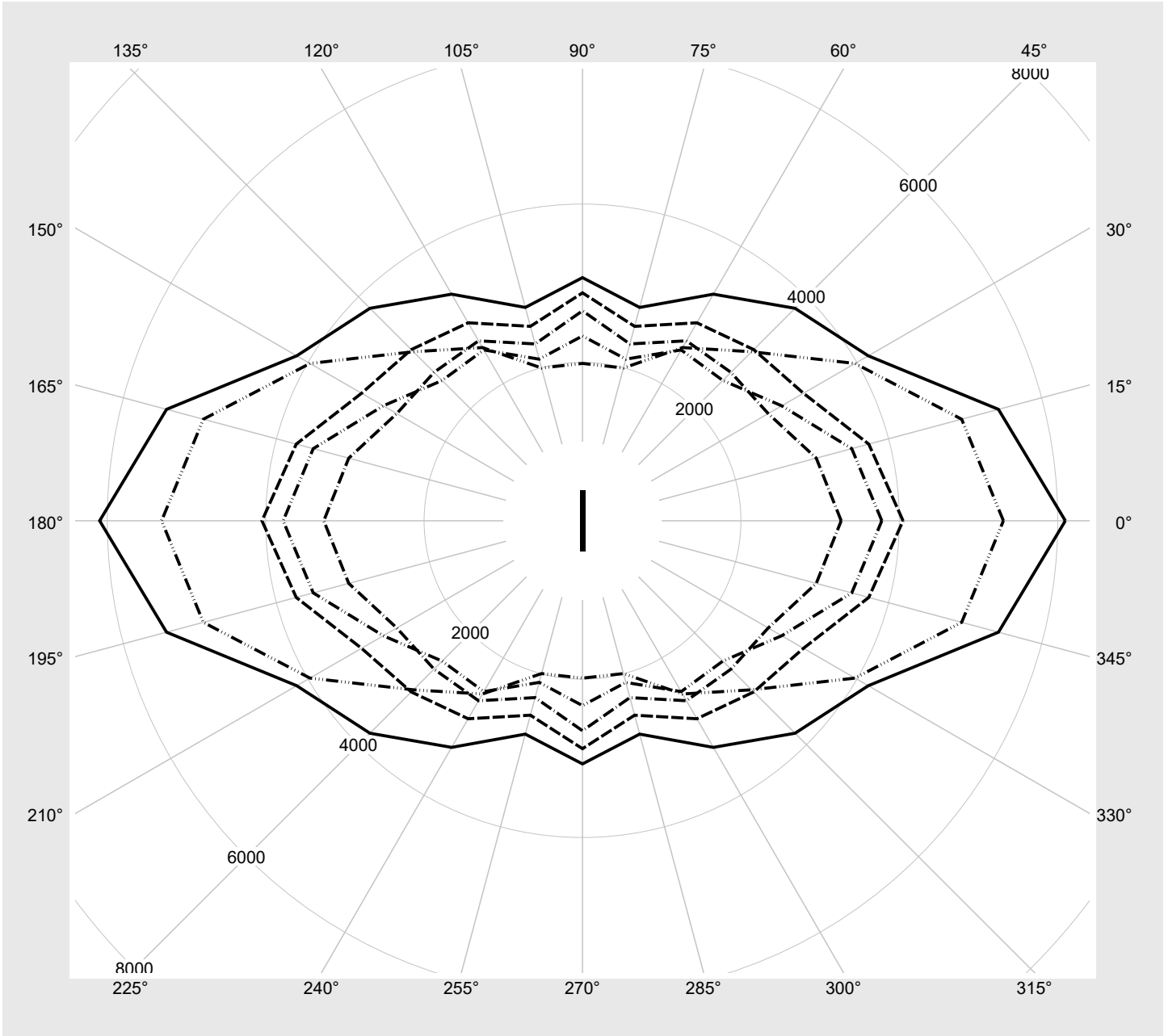
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 36	H(C180) = 36
			B = 115	H(C90) = 0	H(C270) = 0

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°		10259.8	10248.7	11985.5	14048.8	8454.6	5955.7	5777.3	
50°		9543.9	8907.9	8669.6	10250.0	6387.6	4514.5	4466.4	
55°		9042.3	8082.2	6678.9	7133.0	4916.0	3661.6	3744.5	
60°		7960.9	7025.5	5303.5	5051.1	3937.5	3129.8	3325.8	
65°		6096.2	5437.0	4166.4	3794.8	3304.6	2789.5	3070.7	
70°		4046.9	3741.7	3221.2	3057.4	2887.2	2542.1	2878.5	
75°		3266.2	3055.6	2707.6	2650.6	2624.4	2312.1	2651.8	
80°		3779.2	3519.4	2904.1	2506.1	2491.5	2113.2	2334.3	
85°		5314.3	4956.0	3973.6	3019.3	2526.0	1997.8	1987.4	

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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			end of lifetime [W]	average [W]
1	A	C	E	9190	49.4	55.3	52.4
2	A	C	F	8658	46.3	51.7	49.0
3	A	D	E	8125	43.1	48.1	45.6
4	A	D	F	7667	40.5	44.5	42.5
5	B	C	E	7113	37.4	41.8	39.6
6	B	C	F	6645	34.7	38.3	36.5
7	B	D	E	6091	31.8	35.2	33.5
8	B	D	F	5623	29.2	32.2	30.7