

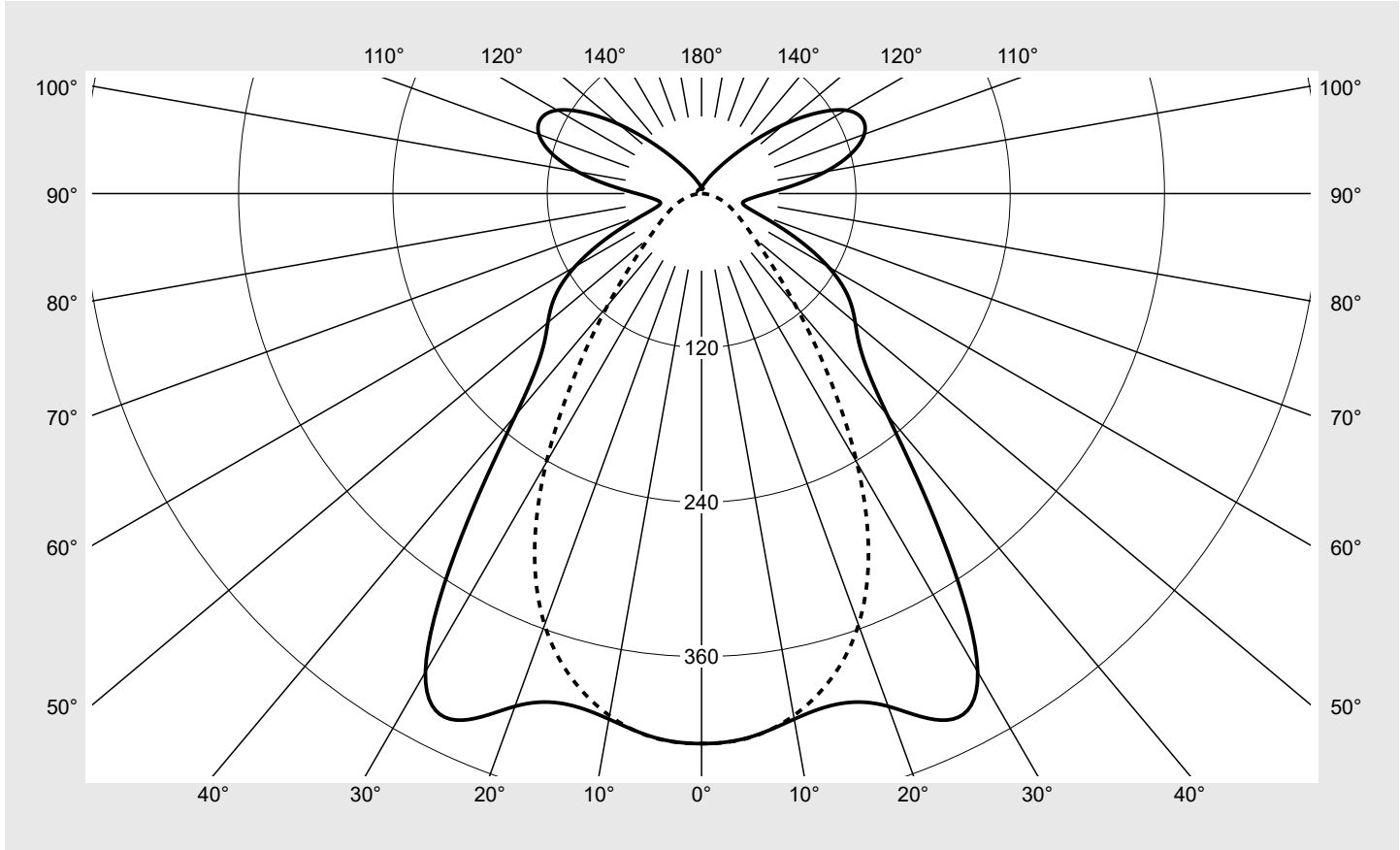


Photometric test report

Family Licross® 21 Performance	Order number: 52TD16CN66XG EAN: 4069025016973	LP number 58520_396
	Version cover frosted, direct-/ indirect distribution Lamps LED 6500 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 5970 lm Power consumption = 32.8 W Luminous efficacy = 182 lm/W	serial documentation 14.03.2024
		

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	17.3	18.5	17.9	19.1	19.7	13.5	14.7	14.1	15.3	15.9
	3H	17.9	19.0	18.5	19.6	20.3	13.9	15.0	14.5	15.6	16.3
	4H	18.0	19.0	18.7	19.7	20.4	14.1	15.1	14.7	15.7	16.4
	6H	18.3	19.2	19.0	19.9	20.6	14.2	15.2	14.9	15.8	16.5
	8H	18.6	19.3	19.2	20.0	20.8	14.2	15.1	14.9	15.8	16.5
	12H	18.9	19.6	19.6	20.3	21.1	14.2	15.1	14.9	15.7	16.5
4H	2H	17.3	18.3	17.9	18.9	19.6	14.0	14.9	14.6	15.6	16.3
	3H	18.0	18.8	18.6	19.5	20.2	14.5	15.4	15.2	16.0	16.8
	4H	18.2	19.0	18.9	19.7	20.5	14.8	15.6	15.5	16.2	17.0
	6H	18.6	19.3	19.4	20.0	20.8	15.0	15.7	15.7	16.4	17.2
	8H	19.0	19.6	19.7	20.3	21.2	15.1	15.7	15.8	16.4	17.3
	12H	19.5	20.0	20.3	20.8	21.6	15.1	15.7	15.8	16.4	17.2
8H	4H	18.2	18.8	18.9	19.5	20.3	15.0	15.5	15.7	16.3	17.1
	6H	18.7	19.2	19.5	20.0	20.9	15.3	15.8	16.1	16.6	17.5
	8H	19.2	19.7	20.0	20.4	21.3	15.5	16.0	16.3	16.7	17.6
	12H	20.0	20.4	20.8	21.1	22.1	15.6	16.0	16.4	16.8	17.7
12H	4H	18.1	18.7	18.9	19.4	20.3	15.0	15.5	15.7	16.2	17.1
	6H	18.7	19.2	19.5	19.9	20.8	15.5	15.9	16.2	16.6	17.5
	8H	19.3	19.6	20.0	20.4	21.3	15.7	16.0	16.5	16.8	17.7

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°	45°	6664.9	6657.8	7786.0	9126.4	5492.3	3869.0	3753.1		
50°	50°	6199.9	5786.7	5631.9	6658.6	4149.5	2932.7	2901.4		
55°	55°	5874.1	5250.3	4338.8	4633.8	3193.5	2378.7	2432.5		
60°	60°	5171.5	4563.9	3445.3	3281.3	2557.9	2033.2	2160.5		
65°	65°	3960.2	3532.0	2706.6	2465.2	2146.7	1812.1	1994.8		
70°	70°	2629.0	2430.7	2092.6	1986.1	1875.6	1651.4	1869.9		
75°	75°	2121.8	1985.0	1758.9	1721.9	1704.9	1502.0	1722.7		
80°	80°	2455.0	2286.3	1886.5	1628.0	1618.5	1372.8	1516.4		
85°	85°	3452.3	3219.5	2581.3	1961.4	1641.0	1297.8	1291.1		

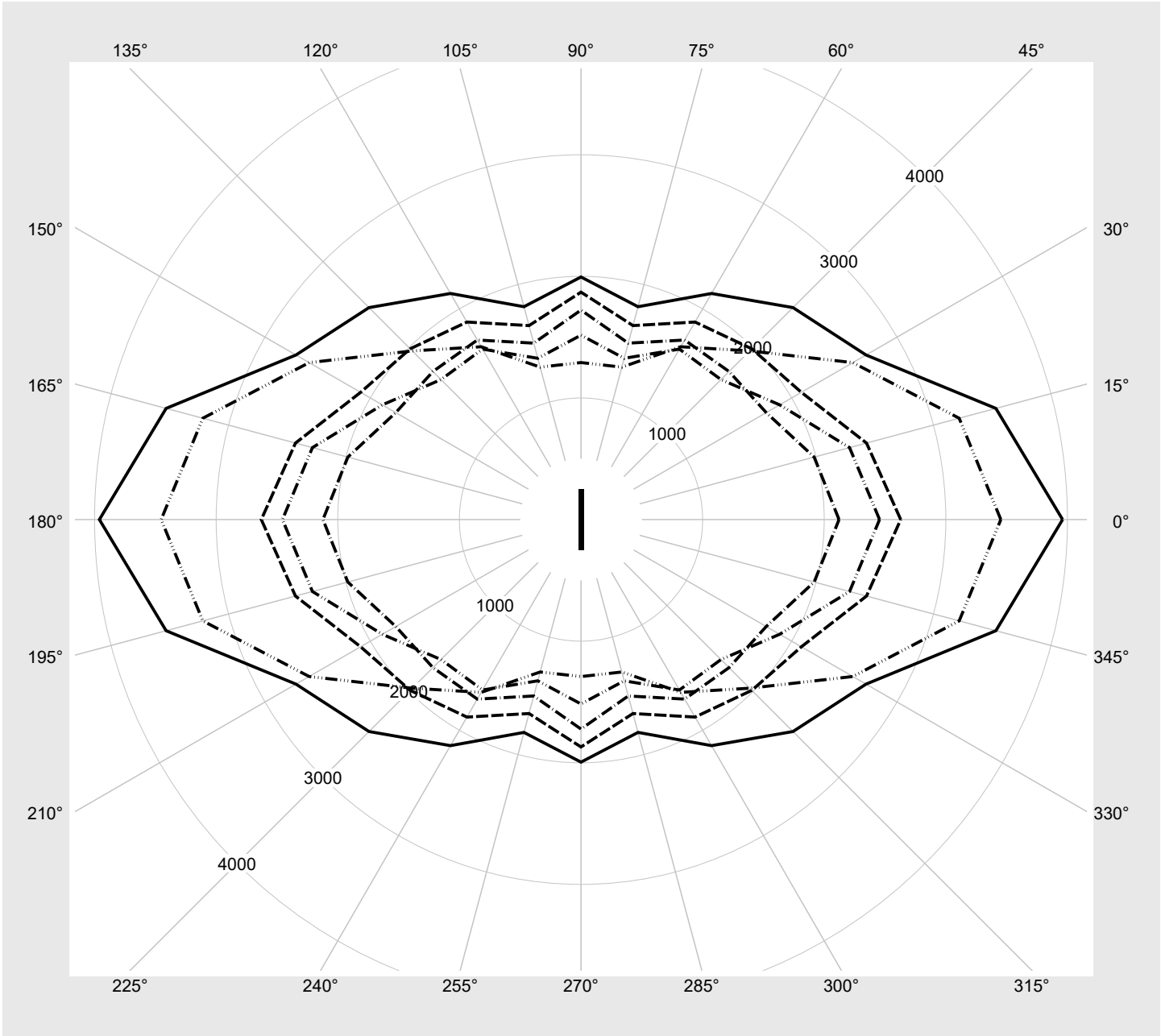
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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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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	5970	32.8	38.8	35.8
2	A	C	F	5823	32.0	37.5	34.8
3	A	D	E	5592	30.7	36.3	33.5
4	A	D	F	5361	29.5	34.6	32.0
5	B	C	E	5215	28.6	33.8	31.2
6	B	C	F	4984	27.4	32.0	29.7
7	B	D	E	4837	26.6	31.2	28.9
8	B	D	F	4522	24.9	29.1	27.0