

Photometric test report

Family
Licross® 21 Performance

Order number: 52TM16CN49XG
EAN: 4058352903469

LP number
58520_313



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

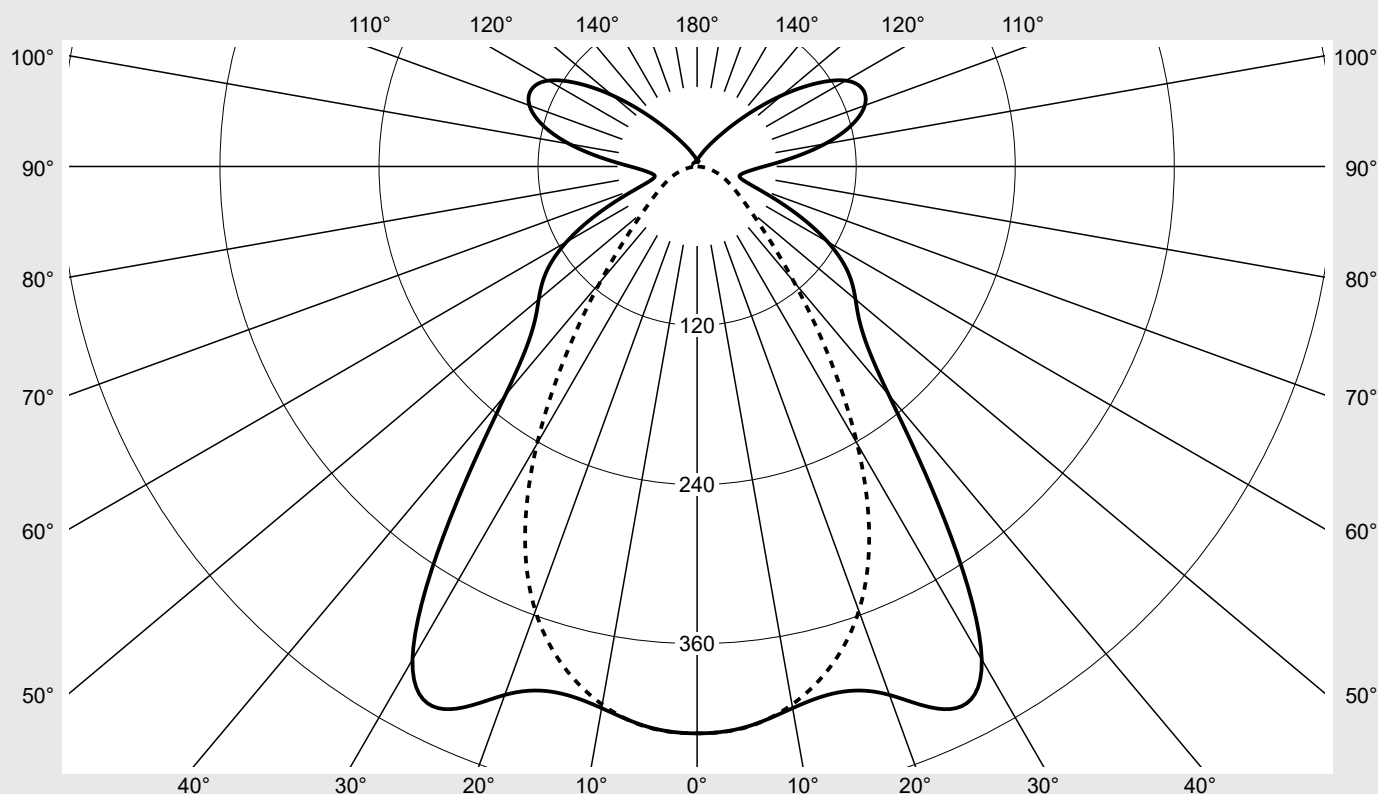
siteco

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
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C- planes	0° 180°	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
γ	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		
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 B = 115	H(C0) = 36 H(C90) = 0	H(C180) = 36 H(C270) = 0
C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
		Luminance in cd/m²						
γ								
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°

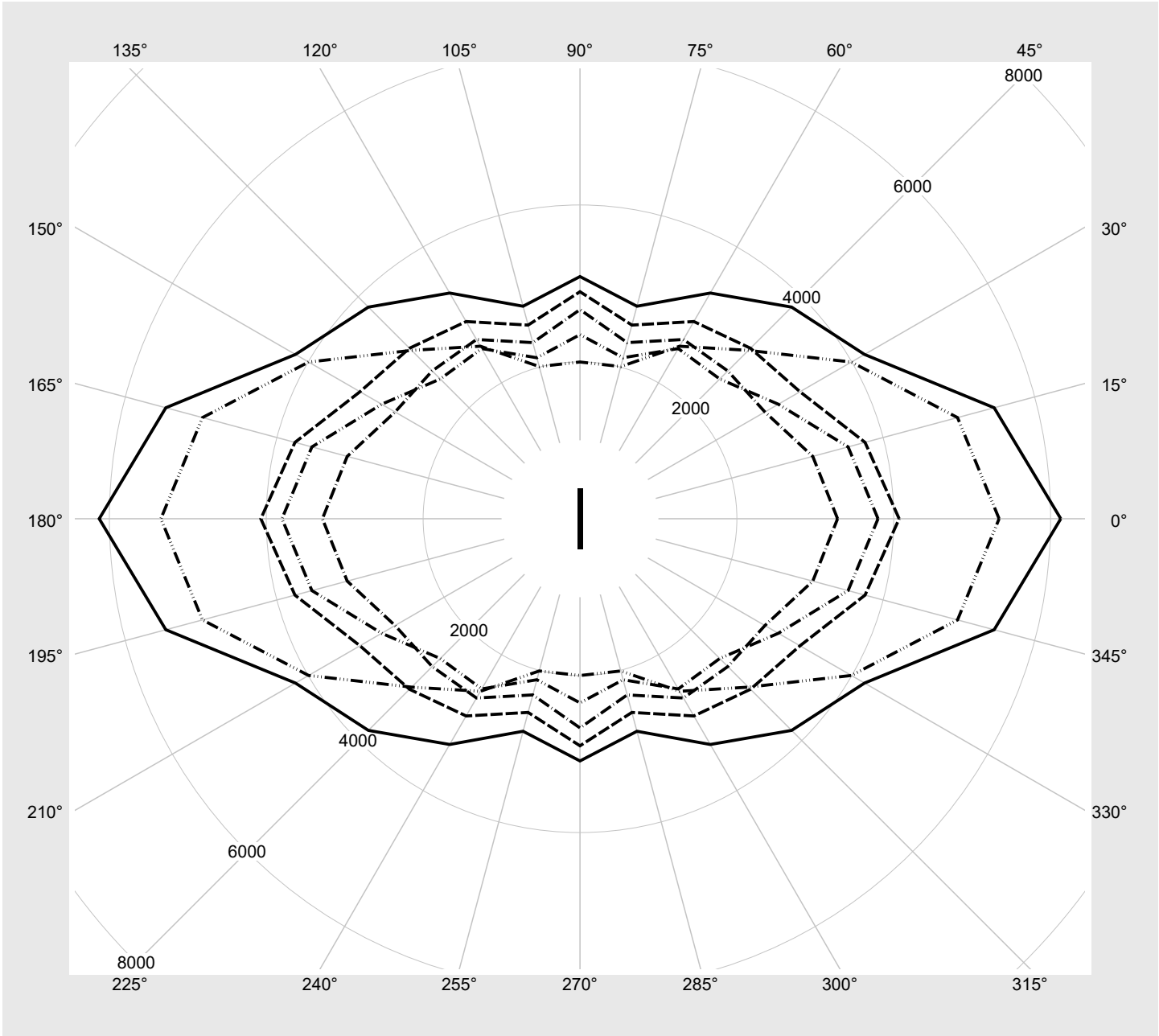
γ 70°

γ 75°

γ 80°

γ 85°

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Family Licross® 21 Performance	Order number: 52TM16CN49XG EAN: 4058352903469	LP number 58520_313
Multilumen Table environmental temperature: 25°C		

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
	1	2	3			end of lifetime	average
1	A	C	E	9240	50.4	60.5	55.4
2	A	C	F	8650	47.0	56.1	51.6
3	A	D	E	8130	43.9	52.6	48.2
4	A	D	F	7600	41.0	48.7	44.8
5	B	C	E	7150	38.4	45.6	42.0
6	B	C	F	6610	35.4	41.7	38.6
7	B	D	E	6150	32.8	38.8	35.8
8	B	D	F	5610	29.9	35.4	32.6