

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

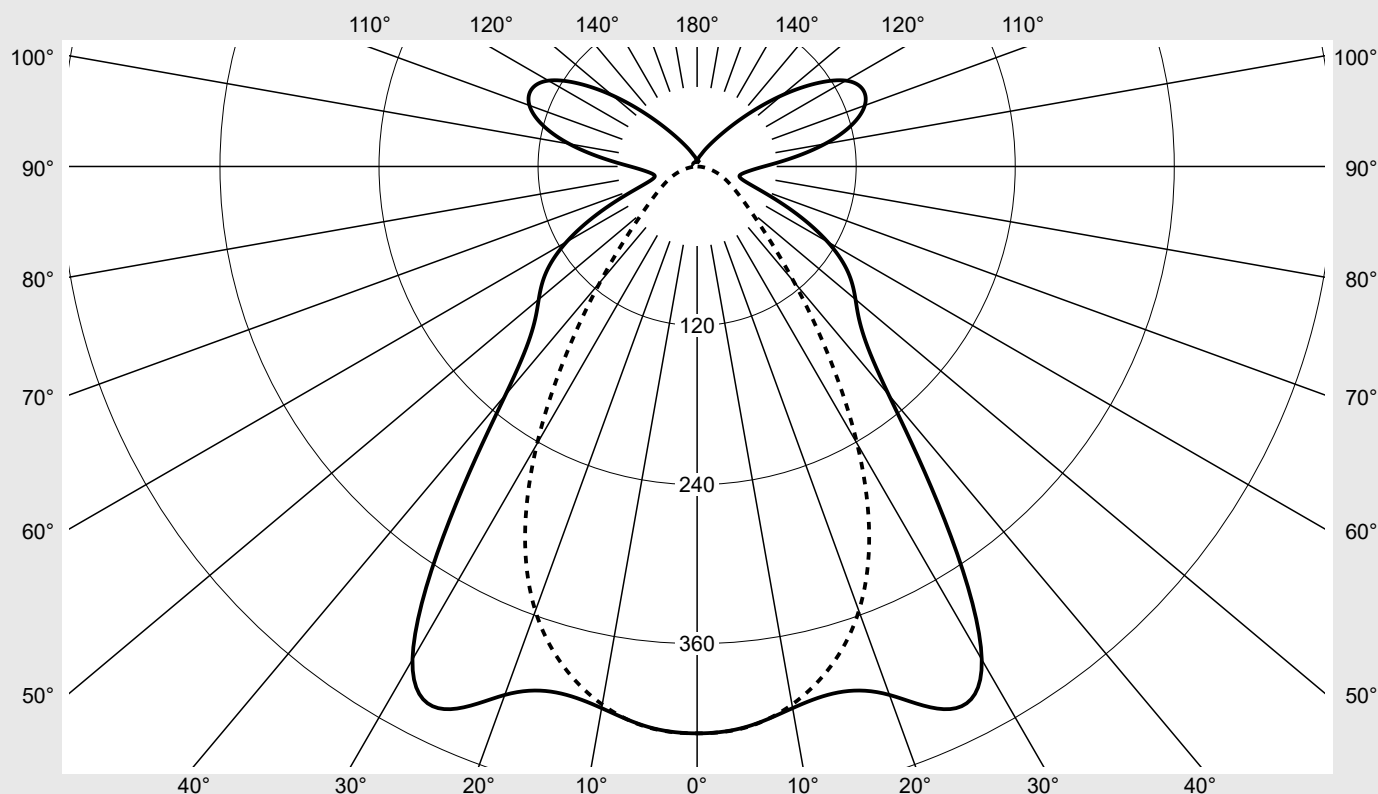
siteco

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	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 B = 115	H(C0) = 36 H(C90) = 0	H(C180) = 36 H(C270) = 0
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°
		Luminance in cd/m²						
	45°	6664.9	6657.8	7786.0	9126.4	5492.3	3869.0	3753.1
	50°	6199.9	5786.7	5631.9	6658.6	4149.5	2932.7	2901.4
	55°	5874.1	5250.3	4338.8	4633.8	3193.5	2378.7	2432.5
	60°	5171.5	4563.9	3445.3	3281.3	2557.9	2033.2	2160.5
	65°	3960.2	3532.0	2706.6	2465.2	2146.7	1812.1	1994.8
	70°	2629.0	2430.7	2092.6	1986.1	1875.6	1651.4	1869.9
	75°	2121.8	1985.0	1758.9	1721.9	1704.9	1502.0	1722.7
	80°	2455.0	2286.3	1886.5	1628.0	1618.5	1372.8	1516.4
	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°

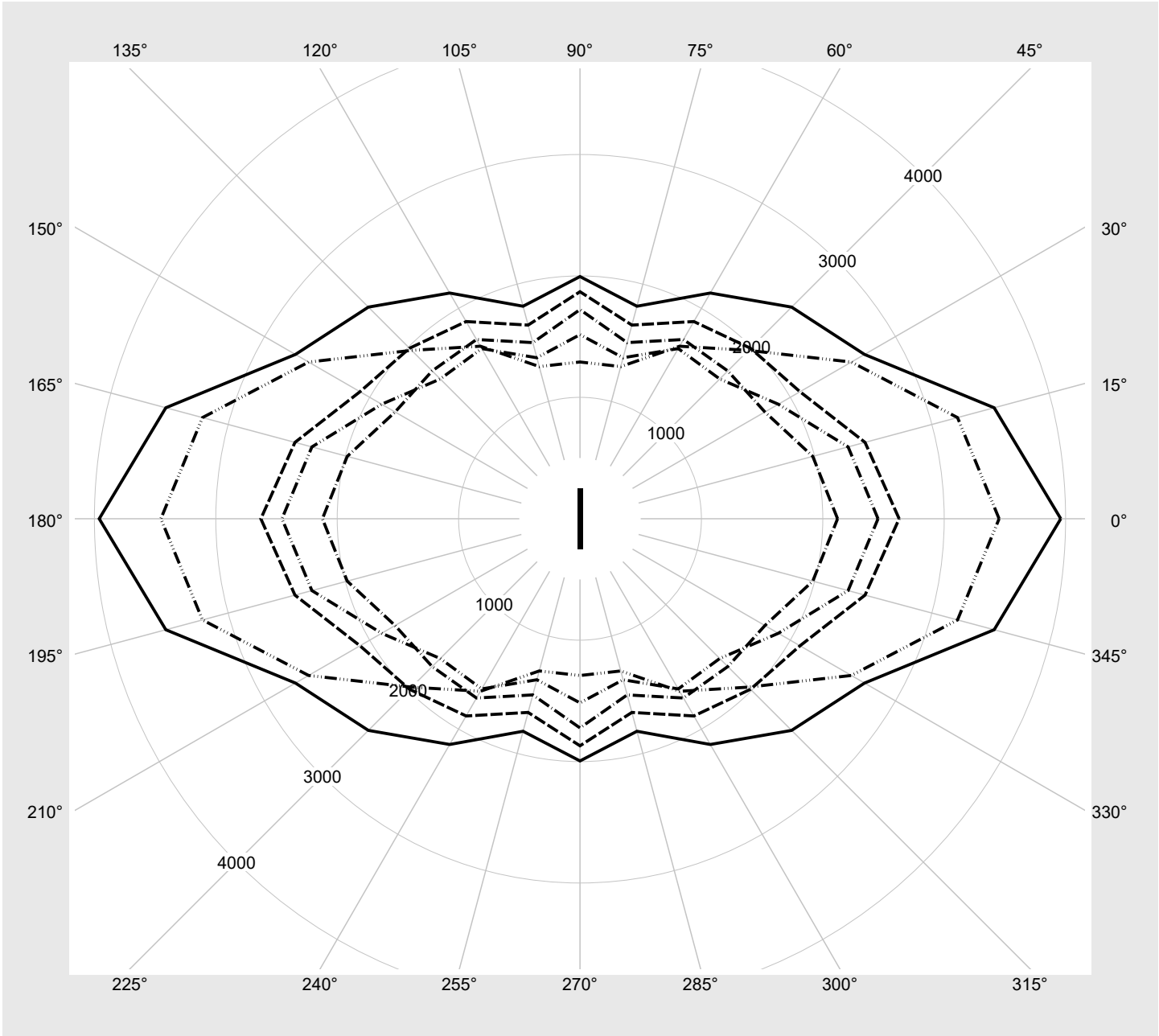
γ 70°

γ 75°

γ 80°

γ 85°

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Family Licross® 21 Performance	Order number: 52TD16CN66XG EAN: 4069025016973	LP number 58520_396
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	5970	32.8	38.8	35.8
2	A	C	F	5820	32.0	37.5	34.8
3	A	D	E	5590	30.7	36.3	33.5
4	A	D	F	5360	29.5	34.6	32.0
5	B	C	E	5220	28.6	33.8	31.2
6	B	C	F	4990	27.4	32.0	29.7
7	B	D	E	4840	26.6	31.2	28.9
8	B	D	F	4530	24.9	29.1	27.0