

Photometric test report

Family
Licross® 21 Protected

Order number: 52TD11MN4FXS
EAN: 4058352902684

LP number
58525_180



Version prismatic cover, frosted, narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 15020 lm
 Power consumption = 83.2 W
 Luminous efficacy = 180.5 lm/W

serial
documentation
24.08.2023

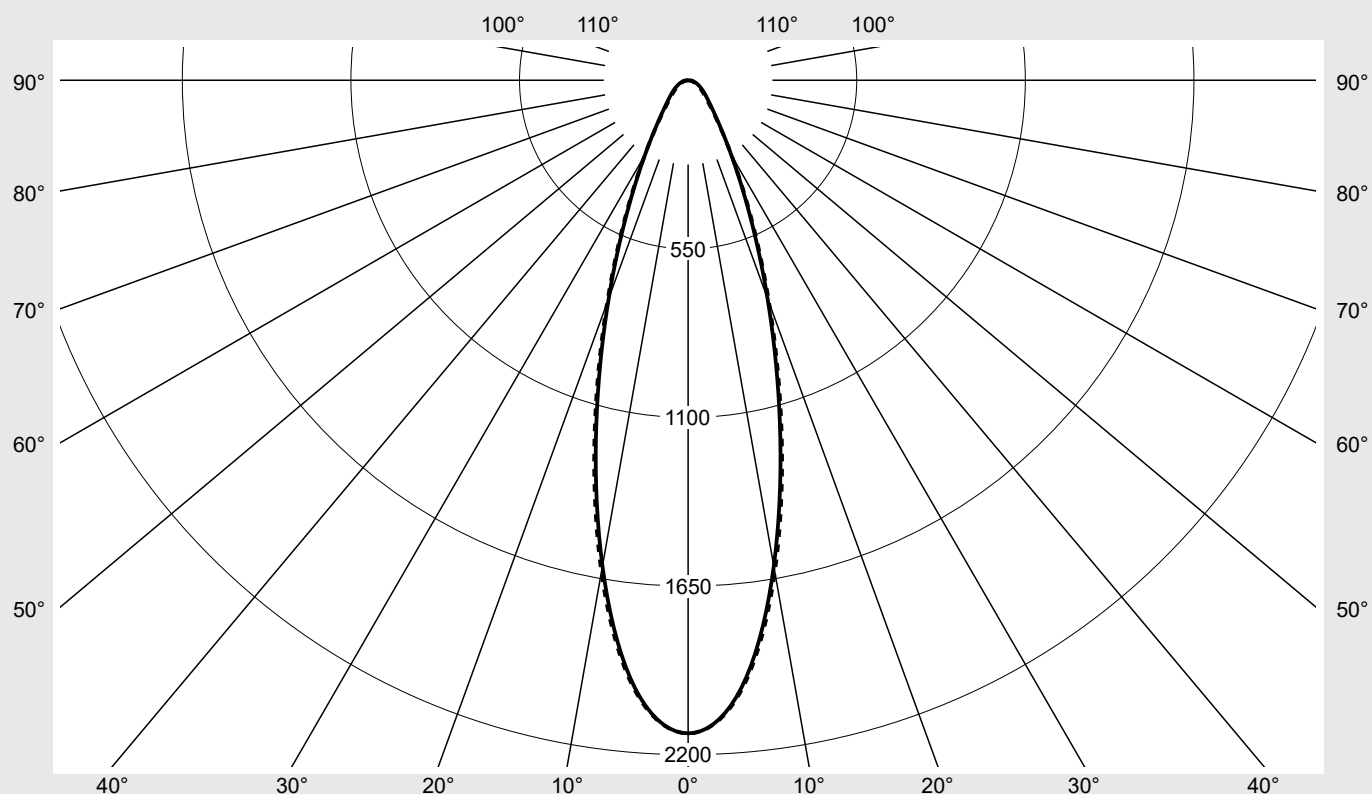
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 2130 cd/klm



Classifications

DIN 5040 A 7 1
 CIE N1=84 N2=94 N3=98
 N4=99 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 99.1%
 ϕ_o 0.9%

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°	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	12.7	12.7
5°	1990.0	1982.4	1972.8	1980.9	1991.5	1994.0	1997.3	94.9	107.6
10°	1609.4	1602.7	1594.9	1604.0	1616.7	1623.6	1628.9	153.3	260.9
15°	1156.5	1152.7	1146.1	1151.7	1161.7	1170.4	1176.7	164.3	425.2
20°	757.1	754.5	751.0	754.8	760.5	766.7	772.3	142.2	567.4
25°	464.1	463.3	461.4	464.7	468.5	471.4	475.4	108.1	675.5
30°	281.8	280.0	276.3	277.8	280.6	282.2	284.6	76.7	752.2
35°	178.8	175.8	169.5	168.1	169.9	172.0	174.0	54.1	806.3
40°	123.8	119.7	111.6	107.8	108.9	112.2	115.0	39.9	846.2
45°	92.5	87.9	79.0	74.1	74.5	78.8	82.8	31.1	877.3
50°	72.9	68.3	60.1	54.9	54.7	59.1	63.7	25.6	902.9
55°	58.5	54.5	47.8	42.9	42.0	45.8	50.2	21.5	924.4
60°	46.6	43.5	38.6	34.6	32.9	35.6	39.1	18.0	942.5
65°	36.7	34.5	31.1	28.0	26.1	27.3	29.5	14.9	957.4
70°	28.5	27.0	24.6	22.5	20.4	20.1	21.2	12.0	969.4
75°	21.8	20.7	19.0	17.5	15.4	14.0	14.0	9.2	978.6
80°	16.2	15.4	14.3	12.9	10.9	8.9	8.1	6.7	985.3
85°	11.7	11.2	10.3	9.1	7.1	4.7	3.5	4.6	989.8
90°	8.1	7.7	6.9	5.8	3.9	1.7	0.3	2.8	992.6
95°	6.9	6.6	5.8	4.7	3.0	1.1	0.2	2.3	994.8
100°	6.0	5.6	4.9	3.8	2.2	0.6	0.2	1.8	996.7
105°	5.1	4.8	4.0	2.9	1.5	0.3	0.2	1.4	998.1
110°	4.3	4.0	3.2	2.2	0.9	0.2	0.2	1.1	999.2
115°	3.6	3.2	2.5	1.6	0.5	0.3	0.3	0.8	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	17.5	18.7	17.8	19.0	19.3	17.1	18.3	17.5	18.6	18.9
	3H	18.6	19.6	18.9	20.0	20.3	18.0	19.1	18.4	19.4	19.8
	4H	19.1	20.0	19.5	20.4	20.8	18.4	19.4	18.8	19.7	20.1
	6H	19.5	20.4	20.0	20.8	21.2	18.7	19.6	19.1	19.9	20.3
	8H	19.8	20.6	20.3	21.0	21.4	18.9	19.6	19.3	20.0	20.4
	12H	20.0	20.7	20.5	21.1	21.5	18.9	19.6	19.4	20.0	20.4
4H	2H	17.7	18.7	18.1	19.1	19.4	17.4	18.4	17.8	18.7	19.1
	3H	19.0	19.8	19.4	20.2	20.6	18.5	19.3	18.9	19.7	20.1
	4H	19.6	20.4	20.1	20.8	21.2	19.0	19.7	19.4	20.1	20.6
	6H	20.3	20.9	20.7	21.3	21.8	19.4	20.0	19.8	20.4	20.9
	8H	20.6	21.1	21.0	21.6	22.0	19.5	20.1	20.0	20.5	21.0
	12H	20.9	21.3	21.4	21.8	22.3	19.6	20.1	20.1	20.6	21.1
8H	4H	19.8	20.4	20.3	20.8	21.3	19.2	19.8	19.7	20.2	20.7
	6H	20.6	21.0	21.1	21.5	22.0	19.7	20.2	20.2	20.7	21.2
	8H	21.0	21.4	21.5	21.9	22.4	19.9	20.3	20.4	20.8	21.4
	12H	21.4	21.7	21.9	22.2	22.7	20.1	20.4	20.6	20.9	21.5
12H	4H	19.8	20.3	20.3	20.8	21.3	19.3	19.7	19.8	20.2	20.7
	6H	20.6	21.0	21.2	21.5	22.0	19.8	20.2	20.4	20.7	21.2
	8H	21.1	21.4	21.6	21.9	22.4	20.1	20.4	20.6	20.9	21.5

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1480 B = 78		H(C0) = 13 H(C90) = 0		H(C180) = 13 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°				
		Luminance in cd/m²									
	45°	14593.5	13924.1	12705.8	12199.4	12658.3	13903.5	15226.6			
	50°	12312.1	11602.1	10386.5	9750.5	10063.6	11384.1	12885.2			
	55°	10725.6	10058.3	8988.6	8332.9	8508.4	9793.7	11389.5			
	60°	9419.6	8859.8	8035.4	7467.4	7491.4	8625.7	10174.7			
	65°	8325.5	7896.5	7320.5	6891.0	6822.8	7681.3	9072.0			
	70°	7431.1	7113.8	6702.9	6456.3	6329.3	6850.2	8055.4			
	75°	6741.9	6492.0	6203.4	6097.5	5907.9	6046.9	7044.5			
	80°	6250.1	6047.5	5886.4	5798.4	5529.3	5330.8	6034.7			
	85°	6028.4	5869.2	5800.1	5808.5	5401.0	4743.4	5213.0			

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Luminance values in cd/m²

γ 65°

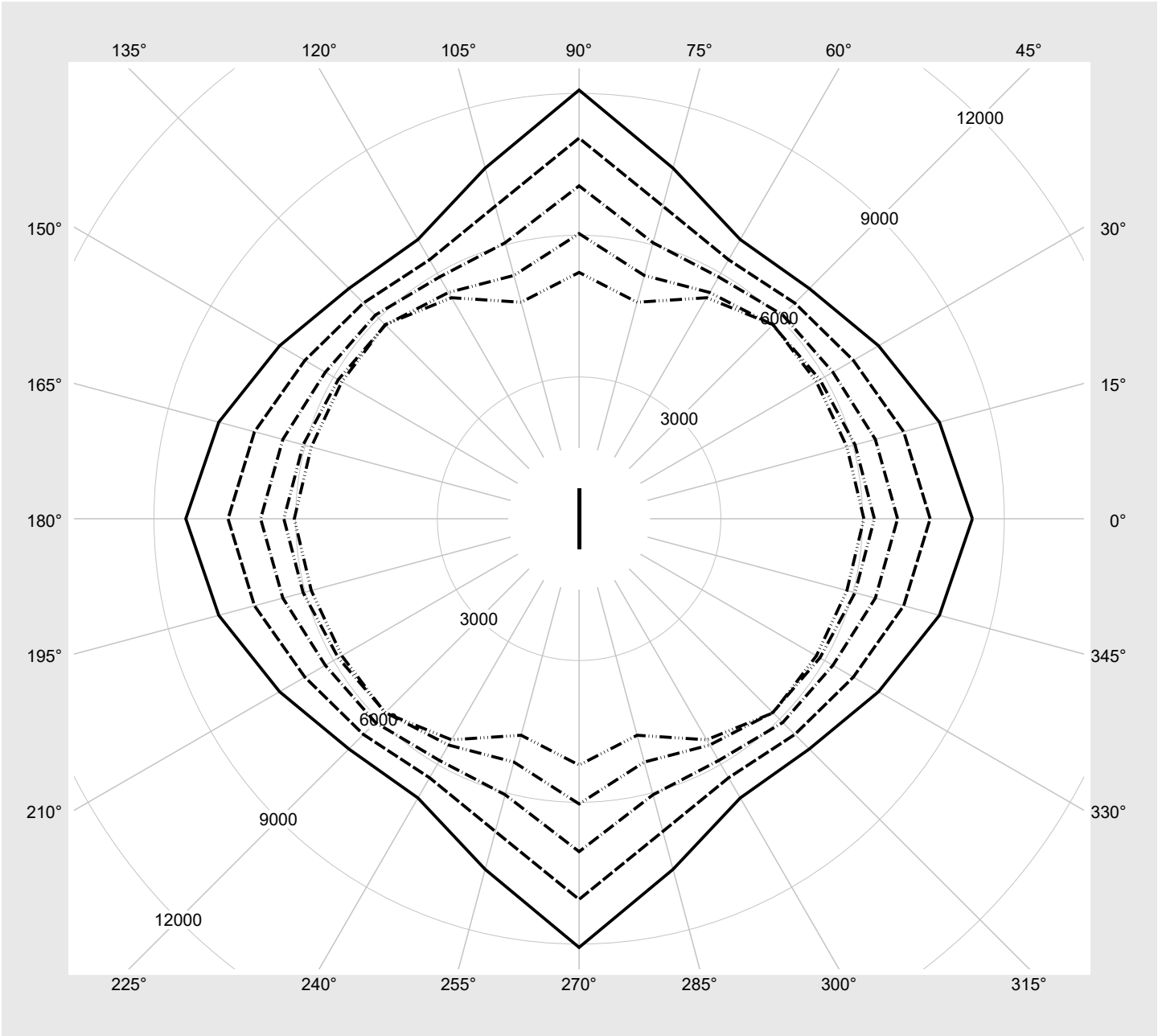
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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Family Licross® 21 Protected	Order number: 52TD11MN4FXS EAN: 4058352902684	LP number 58525_180
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	15020	83.2
2	A	C	F	14100	78.5
3	A	D	E	13110	72.4
4	A	D	F	12100	66.3
5	B	C	E	11080	60.3
6	B	C	F	10040	54.3
7	B	D	E	9060	48.8
8	B	D	F	8080	43.3