

Photometric test report

Family
Licross® 21 Protected

Order number: 52TP11CN4C5S
EAN: 4058352903643

LP number
58525_165



Version prismatic cover, frosted, narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-Multilumen CLOi
Rated values Net luminous flux = 12650 lm
 Power consumption = 68.9 W
 Luminous efficacy = 183.6 lm/W

serial
documentation
17.08.2023

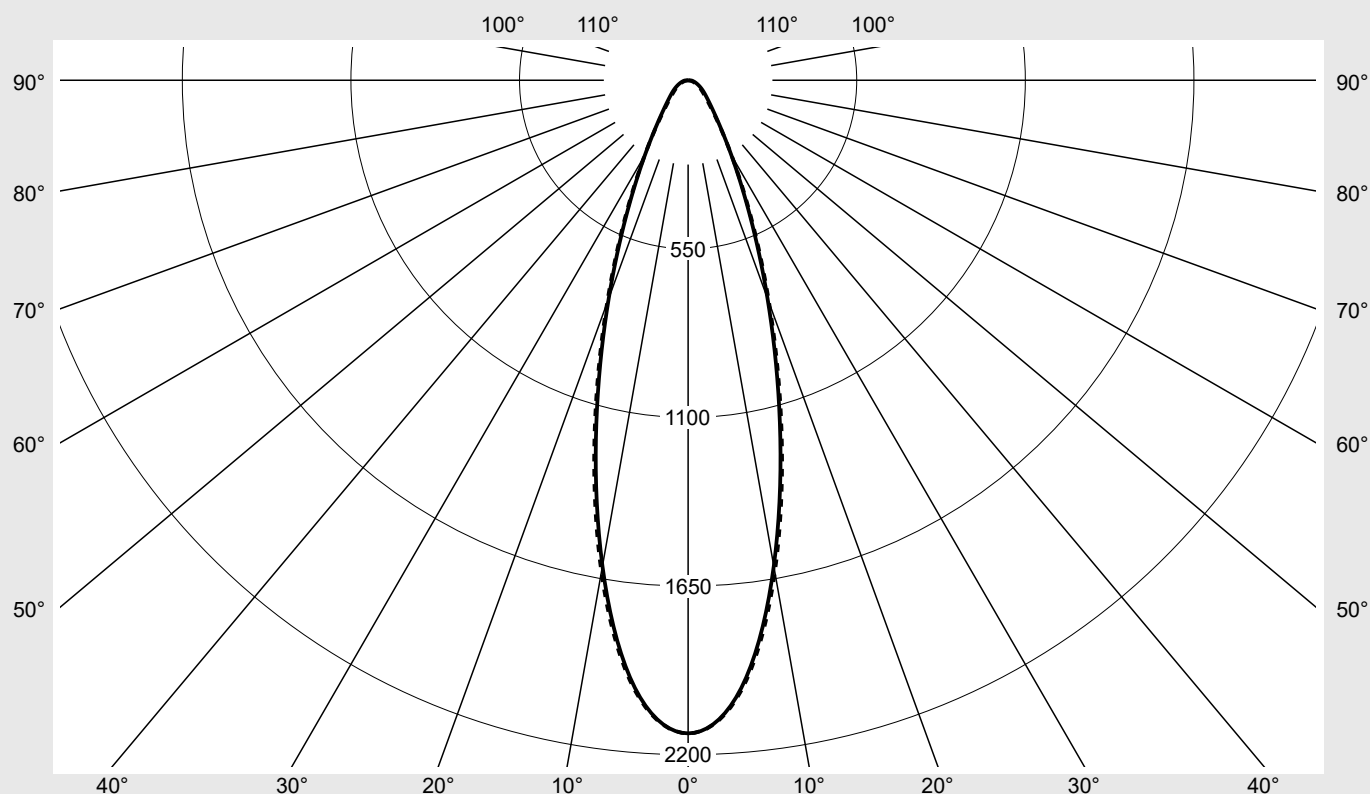
siteco

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	16.9	18.1	17.2	18.4	18.7	16.5	17.7	16.9	18.0	18.4
	3H	18.0	19.0	18.3	19.4	19.7	17.4	18.5	17.8	18.8	19.2
	4H	18.5	19.4	18.9	19.8	20.2	17.8	18.8	18.2	19.1	19.5
	6H	18.9	19.8	19.4	20.2	20.6	18.1	19.0	18.5	19.4	19.7
	8H	19.2	20.0	19.7	20.4	20.8	18.3	19.0	18.7	19.4	19.8
	12H	19.4	20.1	19.9	20.5	20.9	18.3	19.0	18.8	19.4	19.8
4H	2H	17.1	18.1	17.5	18.5	18.8	16.8	17.8	17.2	18.2	18.5
	3H	18.4	19.2	18.8	19.6	20.0	17.9	18.7	18.3	19.1	19.5
	4H	19.0	19.8	19.5	20.2	20.6	18.4	19.1	18.8	19.5	20.0
	6H	19.7	20.3	20.1	20.7	21.2	18.8	19.4	19.2	19.8	20.3
	8H	20.0	20.5	20.4	21.0	21.5	18.9	19.5	19.4	19.9	20.4
	12H	20.3	20.7	20.8	21.2	21.7	19.0	19.5	19.5	20.0	20.5
8H	4H	19.2	19.8	19.7	20.2	20.7	18.6	19.2	19.1	19.6	20.1
	6H	20.0	20.4	20.5	20.9	21.4	19.2	19.6	19.7	20.1	20.6
	8H	20.4	20.8	20.9	21.3	21.8	19.3	19.7	19.8	20.2	20.8
	12H	20.8	21.1	21.3	21.6	22.2	19.5	19.8	20.0	20.3	20.9
12H	4H	19.3	19.7	19.7	20.2	20.7	18.7	19.1	19.2	19.6	20.1
	6H	20.0	20.4	20.6	20.9	21.4	19.2	19.6	19.8	20.1	20.6
	8H	20.5	20.8	21.0	21.3	21.9	19.5	19.8	20.0	20.3	20.9

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° 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						
45°		12290.8	11727.0	10700.9	10274.5	10660.9	11709.7	12824.0
50°		10369.4	9771.4	8747.6	8212.0	8475.7	9587.8	10852.1
55°		9033.3	8471.2	7570.3	7018.0	7165.8	8248.4	9592.3
60°		7933.3	7461.9	6767.5	6289.1	6309.4	7264.6	8569.2
65°		7011.9	6650.5	6165.4	5803.7	5746.3	6469.3	7640.5
70°		6258.6	5991.3	5645.2	5437.6	5330.6	5769.3	6784.3
75°		5678.1	5467.6	5224.5	5135.4	4975.7	5092.7	5932.9
80°		5263.9	5093.2	4957.6	4883.5	4656.8	4489.6	5082.5
85°		5077.2	4943.1	4884.9	4892.0	4548.8	3994.9	4390.5

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Luminance values in cd/m²

γ 65°

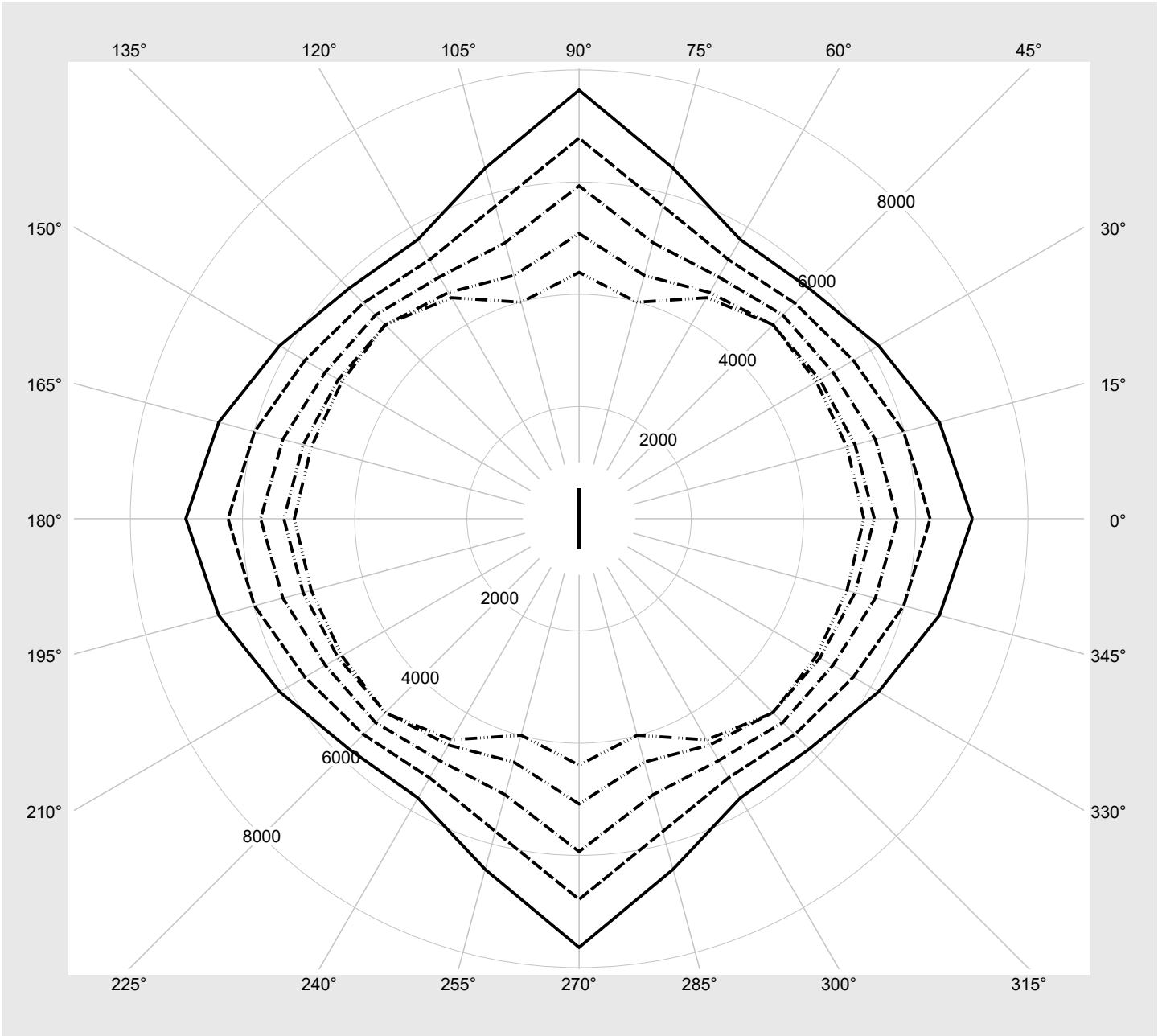
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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Multilumen Table	environmental temperature: 25°C	siteco

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	12650	68.9	83.2	76.1
2	A	C	F	12210	66.3	80.2	73.2
3	A	D	E	11180	60.3	72.4	66.4
4	A	D	F	10130	54.3	65.0	59.6
5	B	C	E	9140	48.8	58.1	53.4
6	B	C	F	8150	43.3	51.8	47.6
7	B	D	E	7140	37.9	45.0	41.4
8	B	D	F	6120	32.5	38.3	35.4