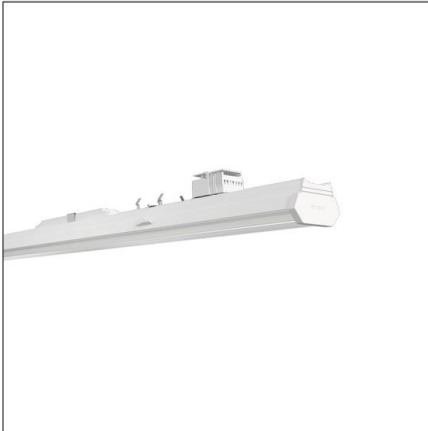


Photometric test report

Family
Licross® 21 Protected

Order number: 52TD12MN4E5M
EAN: 4058352902905

LP number
58523_199



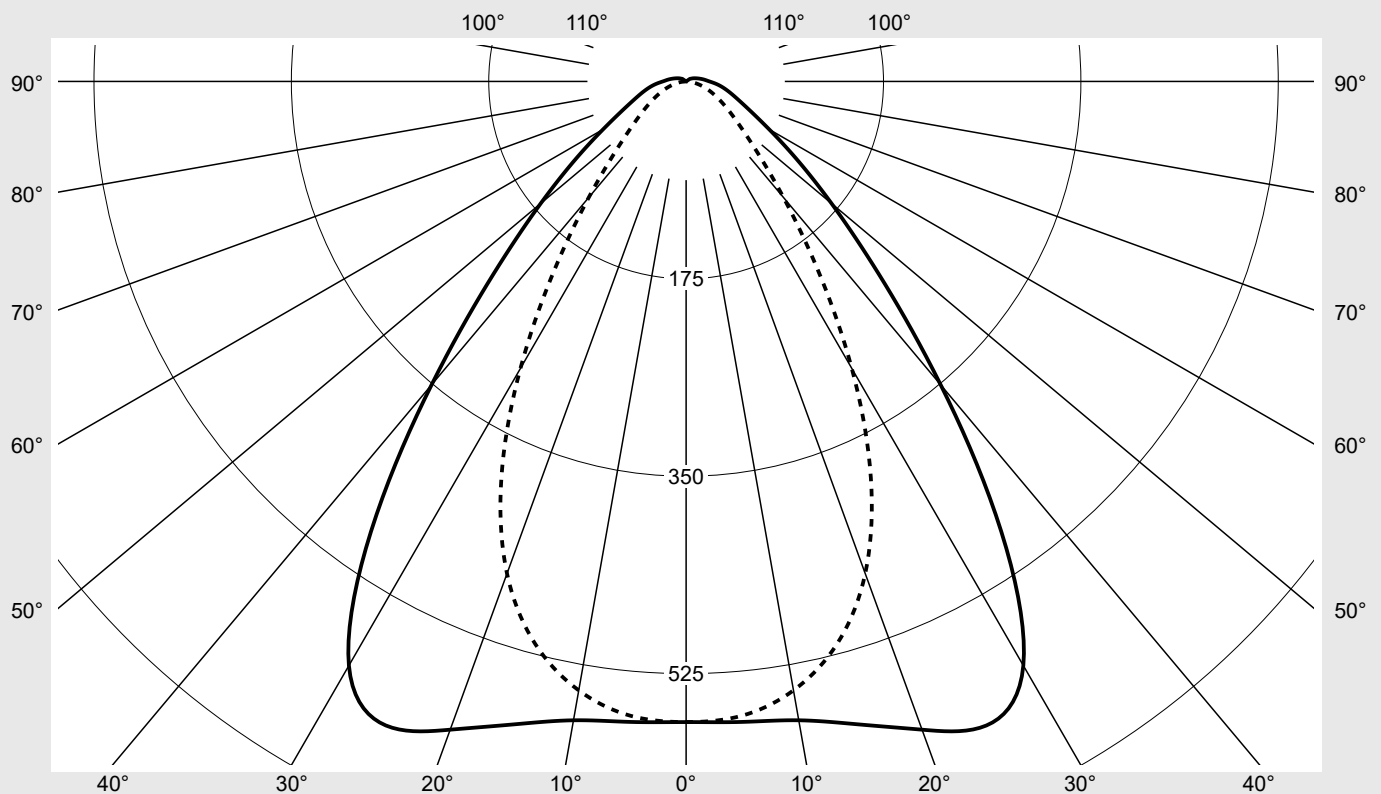
Version prismatic cover, frosted, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 14780 lm
 Power consumption = 83.2 W
 Luminous efficacy = 177.7 lm/W

serial
documentation
24.08.2023

siteco

Luminous intensity in cd/klm **C180-0** **C270-90**

Imax: 630 cd/klm



Classifications

DIN 5040 A 5 1
 CIE N1=70 N2=91 N3=97
 N4=98 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 98.3%
 ϕ_o 1.7%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 21 Protected	Order number: 52TD12MN4E5M EAN: 4058352902905	LP number 58523_199
Table of values for luminous intensities		Maximum luminous intensity
		siteco

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°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	3.4	3.4
5°	570.0	568.0	563.9	564.4	565.6	564.2	564.6	27.0	30.4
10°	575.1	572.9	563.4	557.9	553.3	549.0	548.2	53.3	83.7
15°	590.1	586.0	566.8	548.5	532.2	519.9	516.5	78.2	161.9
20°	611.6	603.6	568.7	531.0	496.5	471.9	464.3	100.3	262.2
25°	630.0	617.6	564.2	499.9	441.6	401.0	387.5	117.1	379.3
30°	598.0	589.4	536.5	452.4	368.0	311.9	293.8	123.5	502.8
35°	487.1	490.1	463.2	383.1	284.6	222.1	203.0	114.7	617.4
40°	351.1	360.8	359.1	297.2	205.7	150.3	134.3	94.9	712.3
45°	241.7	250.7	257.1	211.9	140.4	100.6	89.9	72.8	785.1
50°	168.3	174.0	178.9	144.5	94.4	69.8	63.7	54.4	839.5
55°	118.9	121.8	123.3	97.4	64.6	50.4	47.5	40.5	880.0
60°	85.1	85.8	84.4	66.1	45.7	37.4	36.1	30.1	910.0
65°	63.8	62.6	58.2	45.7	33.4	28.1	27.2	22.6	932.7
70°	50.4	47.7	40.8	32.1	24.8	20.7	19.9	17.3	949.9
75°	41.3	37.6	29.5	22.7	17.9	14.5	13.5	13.2	963.2
80°	34.0	30.0	21.9	15.9	12.4	9.4	8.0	10.0	973.1
85°	27.2	23.7	16.4	11.2	8.0	5.3	3.6	7.3	980.4
90°	20.7	17.9	12.0	7.4	4.6	2.2	0.4	5.0	985.4
95°	16.6	14.7	10.2	6.3	3.6	1.3	0.3	4.0	989.4
100°	13.2	11.9	8.5	5.2	2.7	0.8	0.3	3.2	992.6
105°	10.4	9.5	6.9	4.1	1.9	0.4	0.3	2.5	995.1
110°	8.2	7.4	5.5	3.1	1.2	0.3	0.3	1.9	997.0
115°	6.5	5.8	4.2	2.2	0.7	0.4	0.4	1.4	998.4
120°	4.9	4.3	3.0	1.4	0.6	0.5	0.5	1.0	999.4
125°	3.5	3.0	2.0	0.9	0.6	0.5	0.5	0.7	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

Photometric test report

Family Licross® 21 Protected	Order number: 52TD12MN4E5M EAN: 4058352902905	LP number 58523_199
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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	23.3	24.8	23.7	25.1	25.4	19.2	20.6	19.5	20.9	21.2
	3H	23.9	25.2	24.3	25.5	25.9	19.6	20.9	20.0	21.2	21.6
	4H	24.3	25.5	24.7	25.8	26.2	19.8	21.0	20.2	21.4	21.7
	6H	24.7	25.7	25.1	26.1	26.5	19.9	21.1	20.3	21.4	21.8
	8H	25.0	25.9	25.4	26.3	26.7	20.0	21.1	20.4	21.4	21.9
	12H	25.2	26.1	25.6	26.5	26.9	20.0	21.0	20.5	21.4	21.8
4H	2H	23.4	24.6	23.8	24.9	25.3	19.8	21.0	20.2	21.4	21.7
	3H	24.1	25.1	24.5	25.5	25.9	20.4	21.4	20.8	21.8	22.2
	4H	24.6	25.5	25.0	25.9	26.3	20.7	21.6	21.1	22.0	22.4
	6H	25.1	25.9	25.6	26.3	26.8	20.9	21.7	21.3	22.1	22.6
	8H	25.4	26.1	25.9	26.6	27.1	20.9	21.7	21.4	22.1	22.6
	12H	25.8	26.4	26.3	26.9	27.4	21.0	21.7	21.5	22.1	22.6
8H	4H	24.6	25.3	25.0	25.7	26.2	21.0	21.7	21.4	22.1	22.6
	6H	25.2	25.8	25.7	26.3	26.8	21.3	21.9	21.8	22.3	22.8
	8H	25.6	26.1	26.1	26.6	27.2	21.4	21.9	21.9	22.4	22.9
	12H	26.1	26.6	26.7	27.1	27.6	21.5	22.0	22.1	22.5	23.0
12H	4H	24.6	25.2	25.0	25.7	26.2	21.1	21.6	21.6	22.1	22.6
	6H	25.2	25.7	25.7	26.2	26.7	21.4	21.9	21.9	22.4	22.9
	8H	25.7	26.1	26.2	26.6	27.1	21.6	22.0	22.1	22.5	23.1

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°		37512.9	39092.1	40685.9	34316.6	23464.3	17462.7	16283.8
50°		27969.2	29082.2	30412.0	25236.9	17101.1	13214.1	12691.3
55°		21433.8	22113.4	22827.0	18606.0	12883.6	10591.2	10608.2
60°		16908.2	17188.5	17284.7	14061.0	10223.0	8906.2	9234.2
65°		14235.8	14092.0	13470.8	11044.2	8583.4	7778.7	8232.6
70°		12933.5	12376.0	10944.2	9077.8	7543.1	6926.8	7440.0
75°		12585.8	11619.3	9485.7	7802.4	6772.3	6174.4	6680.1
80°		12878.1	11568.7	8898.0	7044.4	6183.9	5566.6	5911.7
85°		13736.3	12239.4	9089.7	6992.5	6009.9	5175.3	5319.3

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Order number: 52TD12MN4E5M
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LP number
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Luminance values in cd/m²

γ 65°

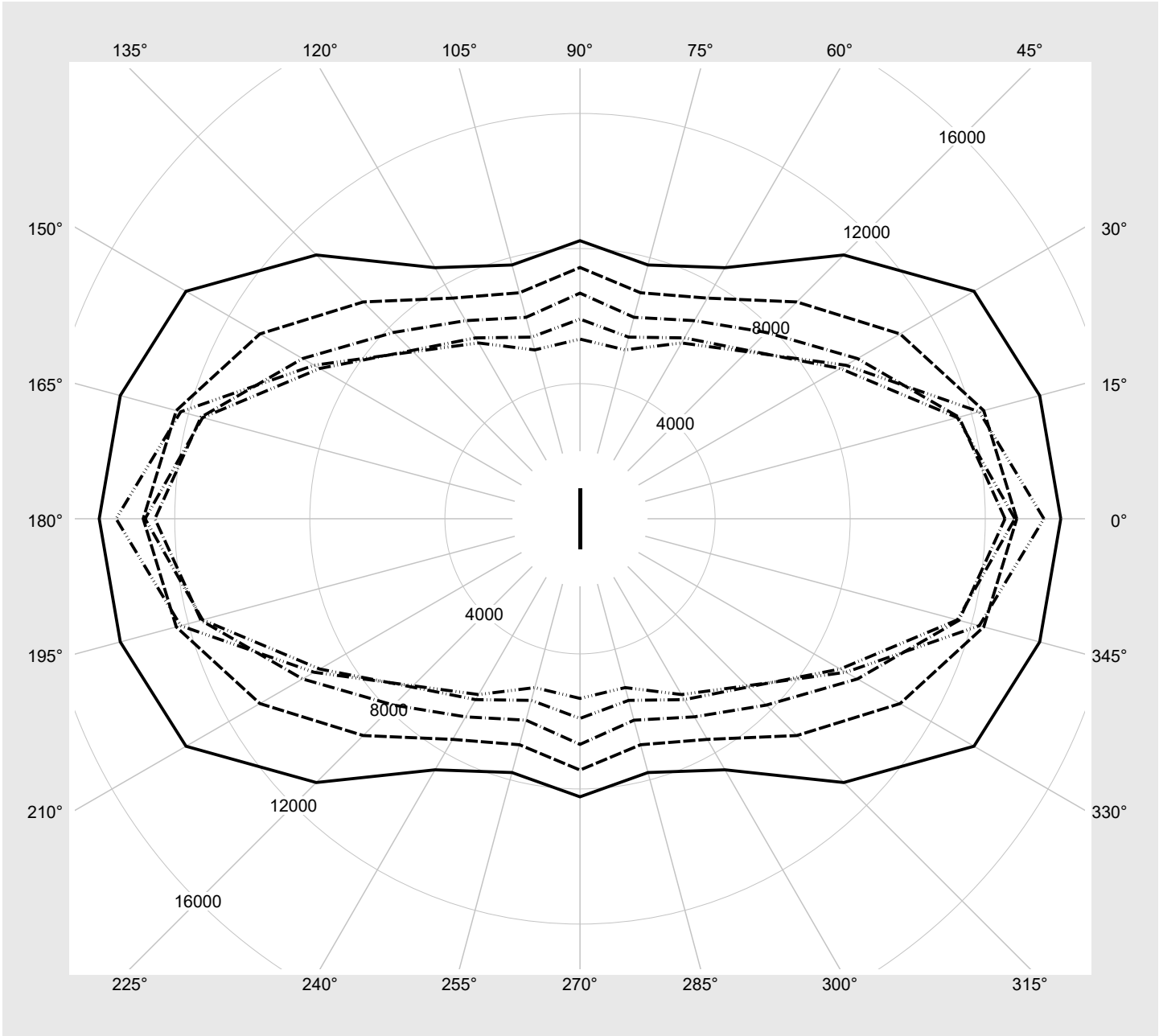
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Licross® 21 Protected	Order number: 52TD12MN4E5M EAN: 4058352902905	LP number 58523_199
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	14780	83.2
2	A	C	F	13880	78.5
3	A	D	E	12900	72.4
4	A	D	F	11910	66.3
5	B	C	E	10900	60.3
6	B	C	F	9870	54.3
7	B	D	E	8910	48.8
8	B	D	F	7950	43.3