

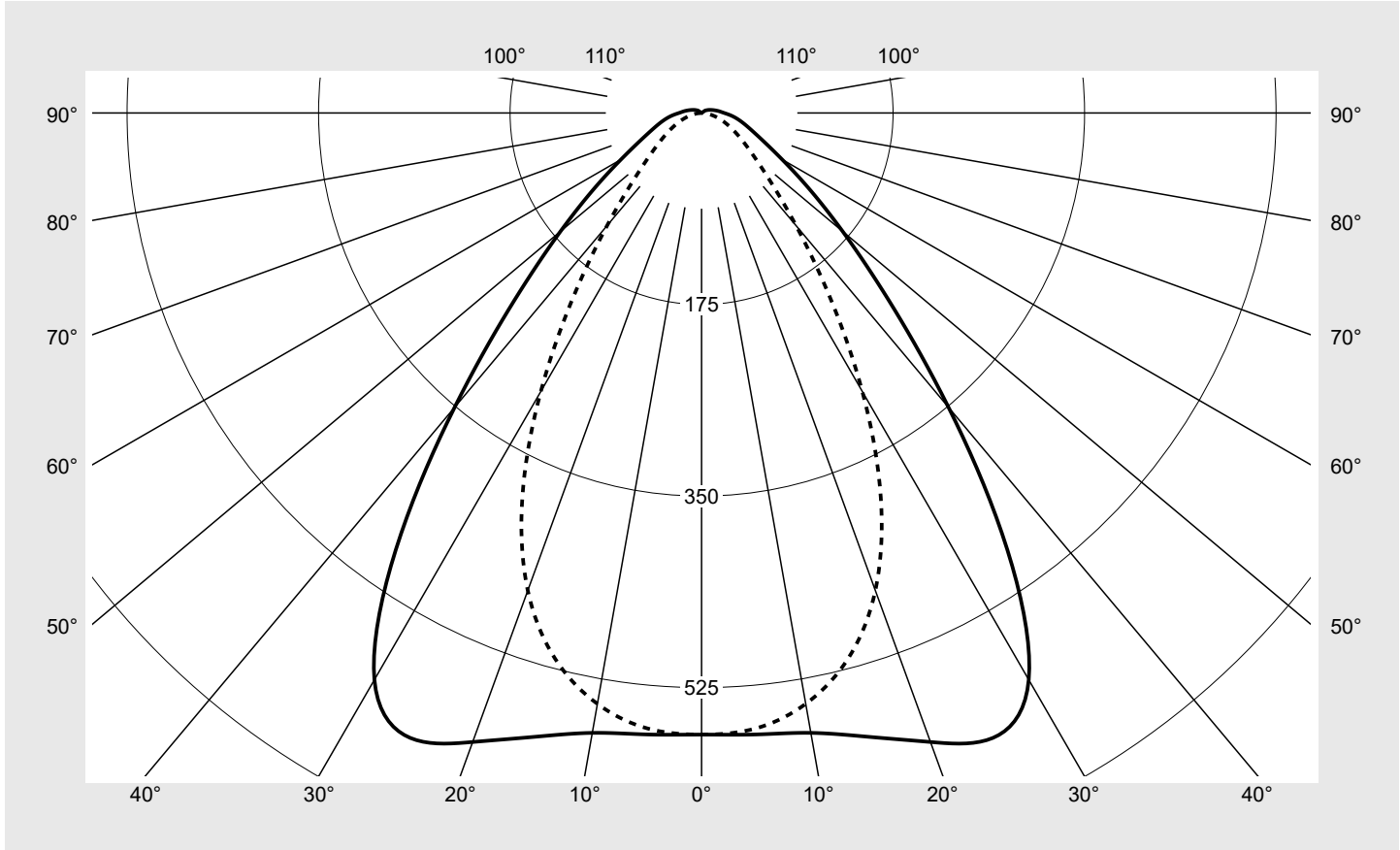


Photometric test report

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
		

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

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Table of values for luminous intensities		Maximum luminous intensity
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C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
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

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UGR-Table	Standard room	siteco
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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

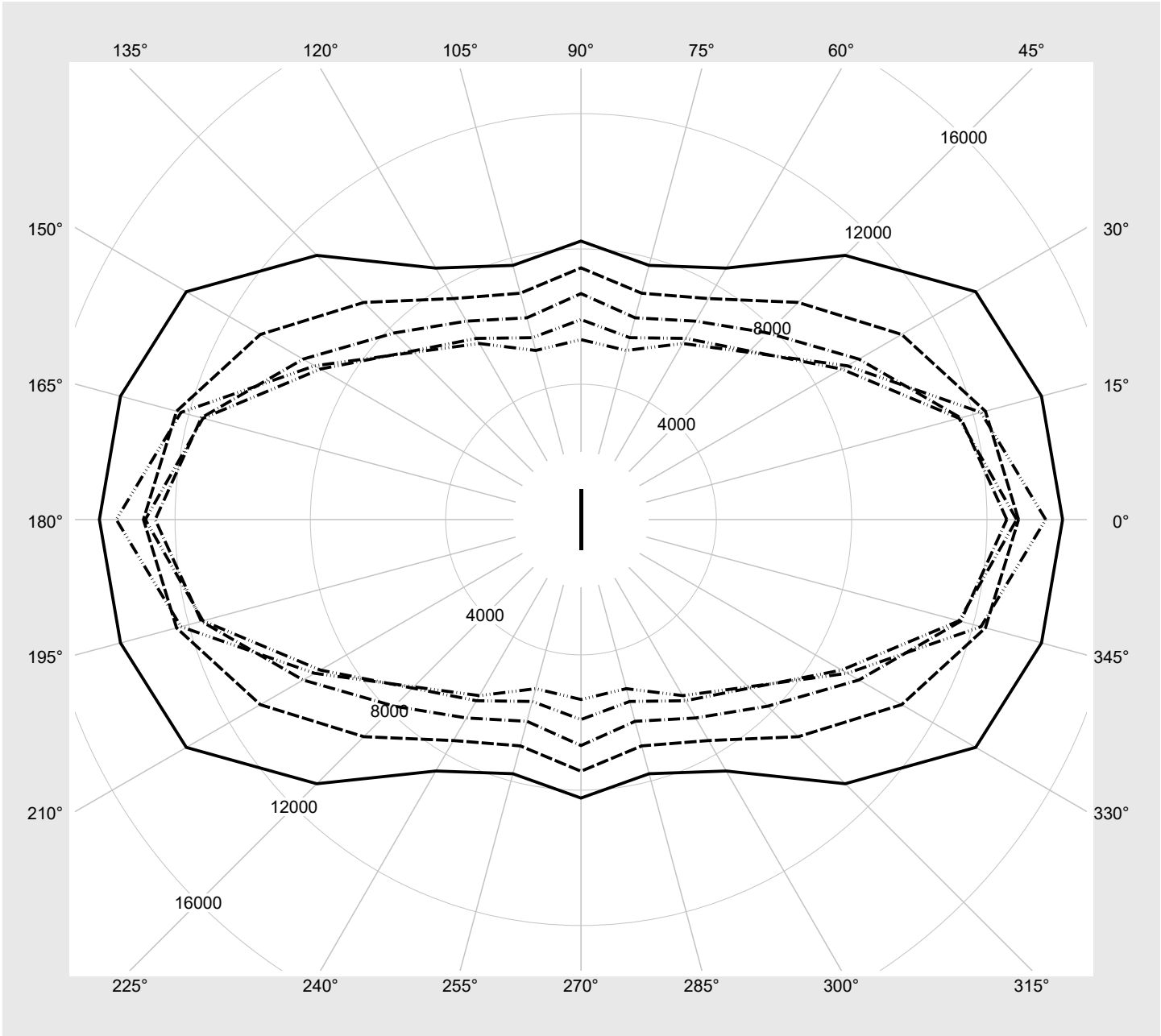
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
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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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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Order number: 52TD12MN4E5M
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LP number
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Multilumen Table

environmental temperature: 25°C

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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	14780	83.2
2	A	C	F	13877	78.5
3	A	D	E	12901	72.4
4	A	D	F	11914	66.3
5	B	C	E	10907	60.3
6	B	C	F	9878	54.3
7	B	D	E	8912	48.8
8	B	D	F	7946	43.3