

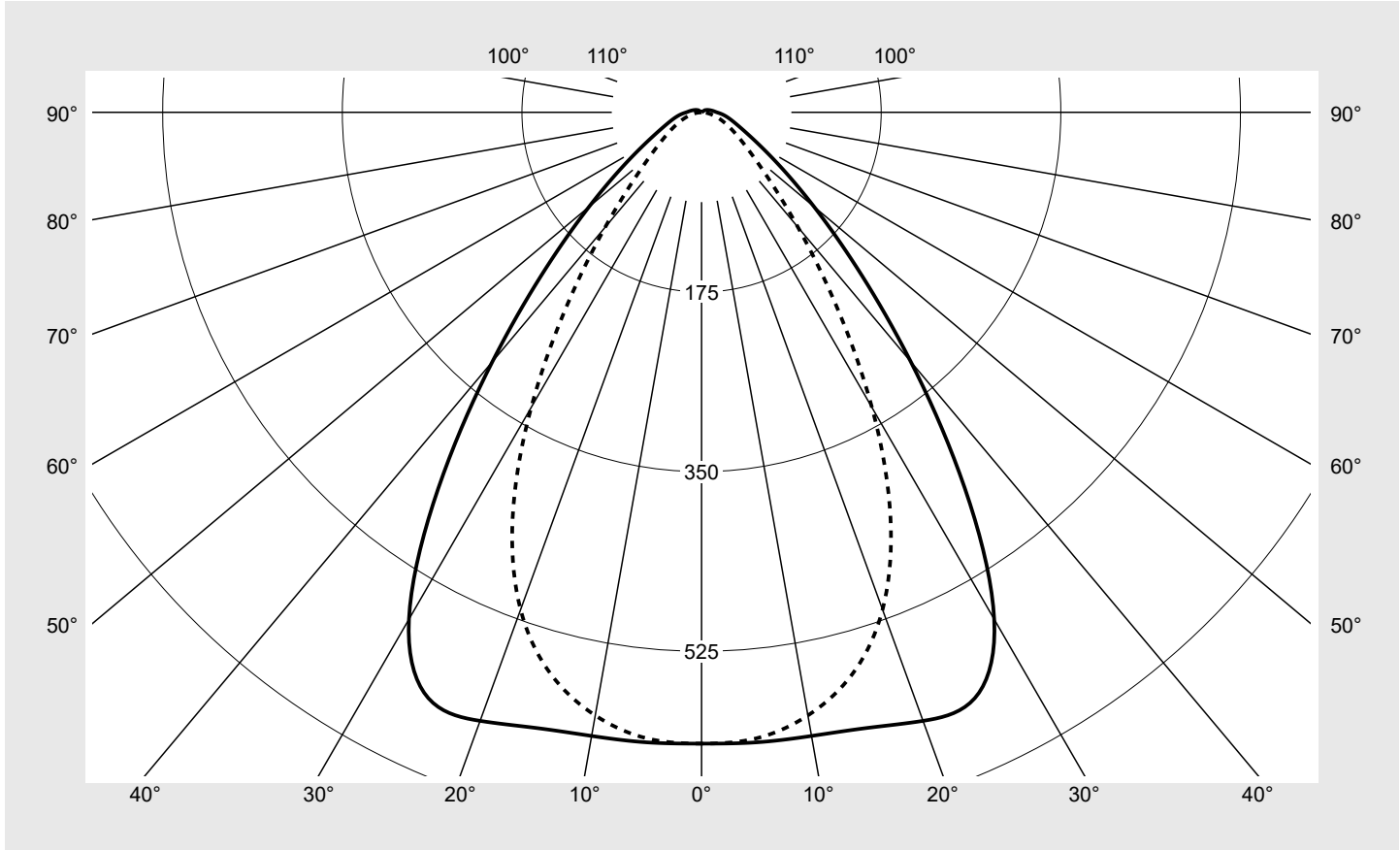


Photometric test report

Family Licross® 21 Protected	Order number: 52TP12MN4A5G EAN: 4058352904046	LP number 58524_263
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 10750 lm Power consumption = 60.5 W Luminous efficacy = 177.7 lm/W	serial documentation 24.08.2023
		

Luminous intensity in cd/klm **C180-0** **C270-90** **Imax: 631 cd/klm**



Classifications	
DIN 5040	A 5 1
CIE	N1=73 N2=92 N3=98 N4=99 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	98.6%
ϕ_o	1.4%

Measurement conditions
 DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
		sITeco

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°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	3.7	3.7
5°	616.1	614.1	609.7	611.1	612.9	611.9	612.2	29.3	32.9
10°	616.9	615.1	606.4	602.8	600.3	597.0	596.6	57.6	90.5
15°	620.9	617.8	600.9	587.5	576.7	568.6	566.8	83.8	174.3
20°	630.8	623.5	591.7	561.2	536.7	520.1	515.5	106.4	280.7
25°	629.8	620.7	576.3	523.2	476.9	445.6	435.5	122.6	403.3
30°	570.2	568.9	534.3	469.6	398.0	348.4	331.9	126.5	529.9
35°	447.2	456.9	450.2	394.1	307.5	246.5	227.0	114.9	644.8
40°	317.0	331.0	344.1	303.2	220.2	163.1	146.0	93.6	738.3
45°	213.9	226.3	244.1	214.7	147.7	105.6	94.0	70.6	808.9
50°	143.1	152.0	166.9	144.8	97.7	70.8	64.1	51.5	860.4
55°	96.6	102.1	111.9	95.1	64.8	49.7	46.3	37.0	897.4
60°	67.0	69.6	74.2	63.4	44.8	36.0	34.5	26.8	924.2
65°	49.0	49.5	50.0	42.8	32.0	26.6	25.7	19.7	943.9
70°	37.9	37.0	34.4	29.4	23.3	19.5	18.8	14.8	958.7
75°	30.5	28.7	24.6	20.4	16.6	13.6	12.7	11.1	969.8
80°	24.8	22.7	18.1	14.1	11.2	8.8	7.6	8.2	978.0
85°	19.7	17.8	13.4	9.8	7.1	4.8	3.4	5.9	983.8
90°	14.9	13.4	9.7	6.4	4.0	1.9	0.4	3.9	987.8
95°	12.2	11.1	8.2	5.4	3.1	1.2	0.3	3.2	991.0
100°	10.0	9.2	6.9	4.5	2.4	0.7	0.3	2.6	993.6
105°	8.2	7.6	5.7	3.6	1.7	0.4	0.3	2.1	995.6
110°	6.8	6.2	4.6	2.7	1.1	0.3	0.3	1.6	997.2
115°	5.5	5.0	3.7	2.0	0.7	0.4	0.4	1.2	998.4
120°	4.3	3.8	2.7	1.4	0.6	0.5	0.5	0.9	999.3
125°	3.1	2.7	1.8	0.9	0.6	0.6	0.6	0.6	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	21.5	23.0	21.9	23.3	23.6	18.3	19.7	18.6	20.0	20.3
	3H	21.9	23.2	22.3	23.5	23.9	18.6	19.9	19.0	20.2	20.6
	4H	22.2	23.3	22.6	23.7	24.1	18.8	20.0	19.2	20.3	20.7
	6H	22.5	23.5	22.9	23.9	24.3	18.9	20.0	19.3	20.4	20.8
	8H	22.7	23.6	23.1	24.0	24.4	19.0	20.0	19.4	20.4	20.8
	12H	22.9	23.7	23.3	24.1	24.5	19.0	20.0	19.4	20.3	20.8
4H	2H	21.6	22.8	22.0	23.1	23.5	18.8	20.0	19.2	20.3	20.7
	3H	22.1	23.1	22.6	23.5	23.9	19.3	20.2	19.7	20.6	21.0
	4H	22.5	23.3	22.9	23.8	24.2	19.5	20.4	19.9	20.8	21.2
	6H	22.9	23.6	23.3	24.1	24.5	19.7	20.4	20.1	20.9	21.3
	8H	23.1	23.8	23.6	24.2	24.7	19.7	20.5	20.2	20.9	21.4
	12H	23.4	24.0	23.9	24.4	24.9	19.8	20.4	20.3	20.9	21.4
8H	4H	22.5	23.2	22.9	23.6	24.1	19.7	20.4	20.2	20.8	21.3
	6H	23.0	23.5	23.5	24.0	24.5	20.0	20.6	20.5	21.0	21.5
	8H	23.3	23.8	23.8	24.3	24.8	20.1	20.6	20.6	21.1	21.6
	12H	23.7	24.1	24.2	24.6	25.1	20.2	20.6	20.7	21.1	21.7
12H	4H	22.5	23.1	23.0	23.5	24.0	19.8	20.4	20.3	20.8	21.3
	6H	23.0	23.5	23.5	24.0	24.5	20.1	20.6	20.6	21.1	21.6
	8H	23.3	23.7	23.8	24.2	24.8	20.3	20.7	20.8	21.2	21.7

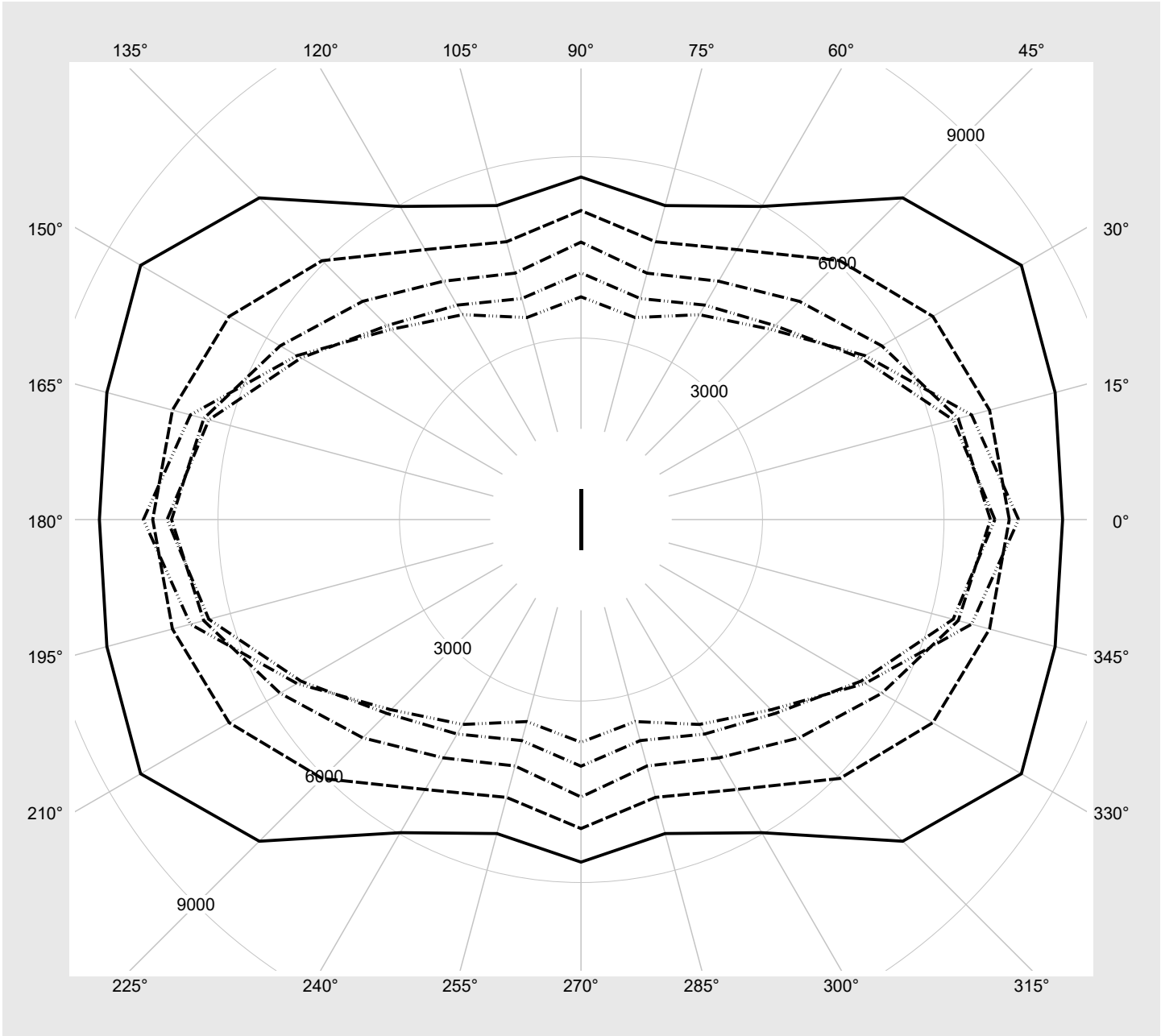
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

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°		24148.9	25665.5	28091.2	25291.3	17952.2	13334.2	12384.0	
50°		17291.2	18476.7	20635.7	18399.0	12876.1	9751.9	9280.4	
55°		12662.6	13472.8	15058.3	13215.1	9402.3	7595.2	7518.1	
60°		9689.0	10135.2	11058.9	9803.1	7283.7	6245.2	6418.2	
65°		7960.8	8113.7	8405.4	7520.3	5976.8	5373.6	5662.7	
70°		7079.3	6991.8	6715.7	6052.4	5152.5	4754.7	5108.1	
75°		6767.8	6455.9	5742.5	5102.5	4549.4	4216.9	4586.3	
80°		6841.7	6368.5	5343.9	4533.8	4093.5	3782.5	4077.2	
85°		7233.5	6684.0	5420.5	4445.4	3911.0	3457.1	3681.9	

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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	
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	10750	60.5
2	A	C	F	9868	56.1
3	A	D	E	9375	53.1
4	A	D	F	8881	50.0
5	B	C	E	8388	47.0
6	B	C	F	7874	43.9
7	B	D	E	7370	41.0
8	B	D	F	6929	38.4