



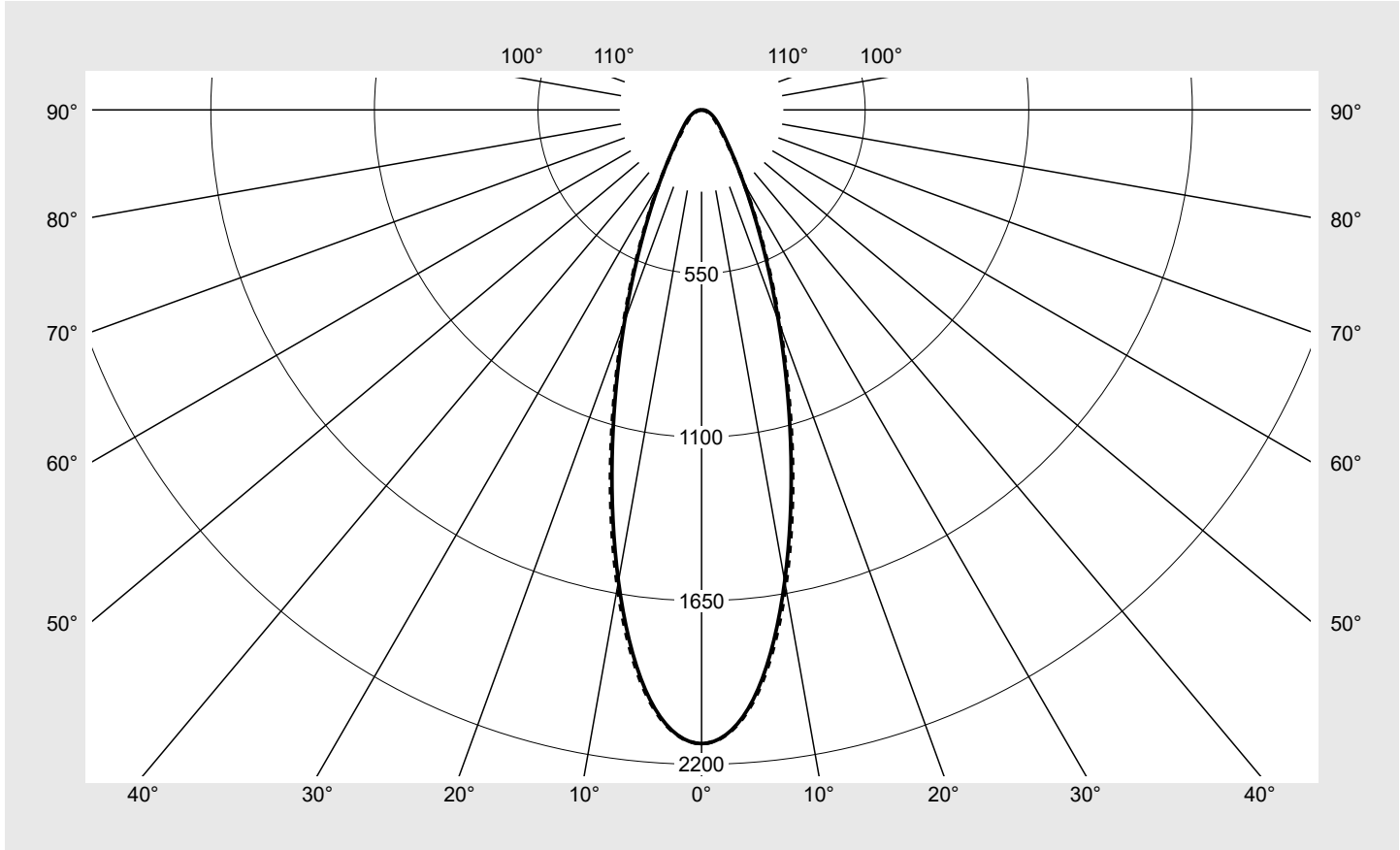
Photometric test report

Family Licross® 11 Protected	Order number: 51TD11MN4GXS EAN: 4058352928608	LP number 58525_200
	Version prismatic cover, frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 16070 lm Power consumption = 87.4 W Luminous efficacy = 183.9 lm/W	serial documentation 11.10.2023





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
		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°	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
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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	17.7	18.9	18.1	19.2	19.5	17.3	18.6	17.7	18.9	19.2
	3H	18.8	19.9	19.2	20.2	20.5	18.3	19.3	18.6	19.7	20.0
	4H	19.3	20.3	19.7	20.6	21.0	18.6	19.6	19.0	20.0	20.4
	6H	19.8	20.6	20.2	21.0	21.4	18.9	19.8	19.3	20.2	20.6
	8H	20.1	20.8	20.5	21.2	21.6	19.1	19.9	19.5	20.2	20.6
	12H	20.3	21.0	20.7	21.3	21.8	19.2	19.8	19.6	20.2	20.7
4H	2H	18.0	19.0	18.4	19.3	19.7	17.6	18.6	18.0	19.0	19.4
	3H	19.2	20.1	19.7	20.5	20.9	18.7	19.6	19.2	19.9	20.4
	4H	19.9	20.6	20.3	21.0	21.5	19.2	19.9	19.7	20.4	20.8
	6H	20.5	21.1	21.0	21.6	22.0	19.6	20.2	20.1	20.7	21.1
	8H	20.8	21.3	21.3	21.8	22.3	19.8	20.3	20.2	20.8	21.2
	12H	21.1	21.6	21.6	22.0	22.5	19.9	20.3	20.4	20.8	21.3
8H	4H	20.1	20.6	20.5	21.1	21.5	19.5	20.0	19.9	20.5	20.9
	6H	20.8	21.3	21.3	21.7	22.3	20.0	20.4	20.5	20.9	21.4
	8H	21.2	21.6	21.7	22.1	22.6	20.2	20.6	20.7	21.1	21.6
	12H	21.6	21.9	22.1	22.4	23.0	20.3	20.7	20.9	21.2	21.7
12H	4H	20.1	20.5	20.6	21.0	21.5	19.5	20.0	20.0	20.4	20.9
	6H	20.9	21.3	21.4	21.7	22.3	20.1	20.4	20.6	20.9	21.5
	8H	21.3	21.6	21.8	22.1	22.7	20.3	20.6	20.8	21.2	21.7

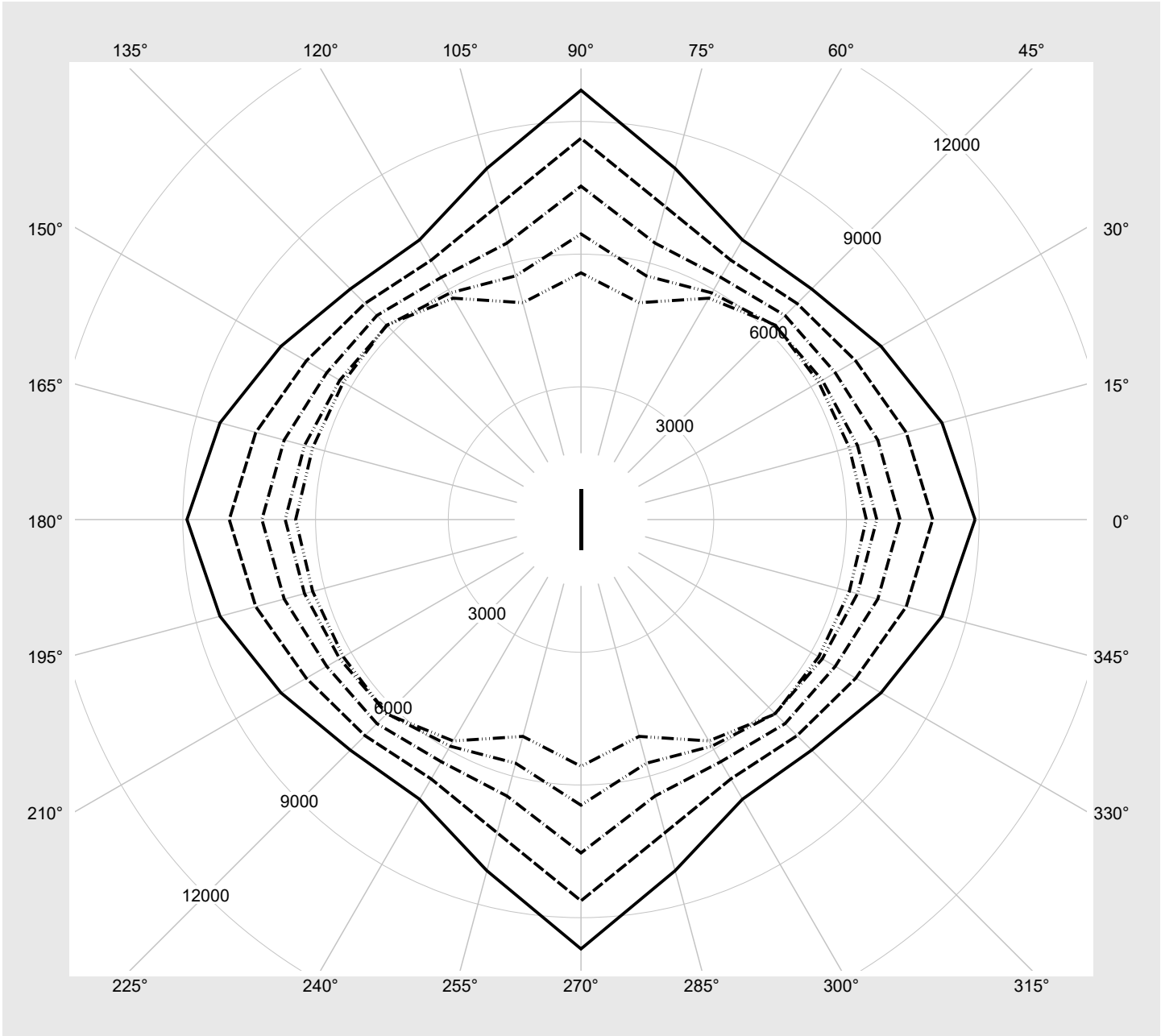
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

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°	15613.7	14897.5	13594.0	13052.2	13543.2	14875.4	16291.0	
	50°	13172.8	12413.2	11112.6	10432.1	10767.1	12179.9	13786.0	
	55°	11475.4	10761.4	9616.9	8915.4	9103.2	10478.4	12185.7	
	60°	10078.1	9479.2	8597.2	7989.4	8015.2	9228.7	10885.9	
	65°	8907.6	8448.5	7832.2	7372.8	7299.8	8218.3	9706.2	
	70°	7950.6	7611.1	7171.4	6907.7	6771.8	7329.0	8618.5	
	75°	7213.2	6945.9	6637.0	6523.7	6320.9	6469.6	7536.9	
	80°	6687.0	6470.2	6297.9	6203.8	5915.8	5703.4	6456.6	
	85°	6449.9	6279.5	6205.5	6214.5	5778.6	5075.0	5577.5	

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°



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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	16070	87.4
2	A	C	F	15280	82.6
3	A	D	E	14240	76.2
4	A	D	F	13210	70.1
5	B	C	E	12220	64.3
6	B	C	F	11160	58.3
7	B	D	E	10150	52.6
8	B	D	F	9130	47.0