



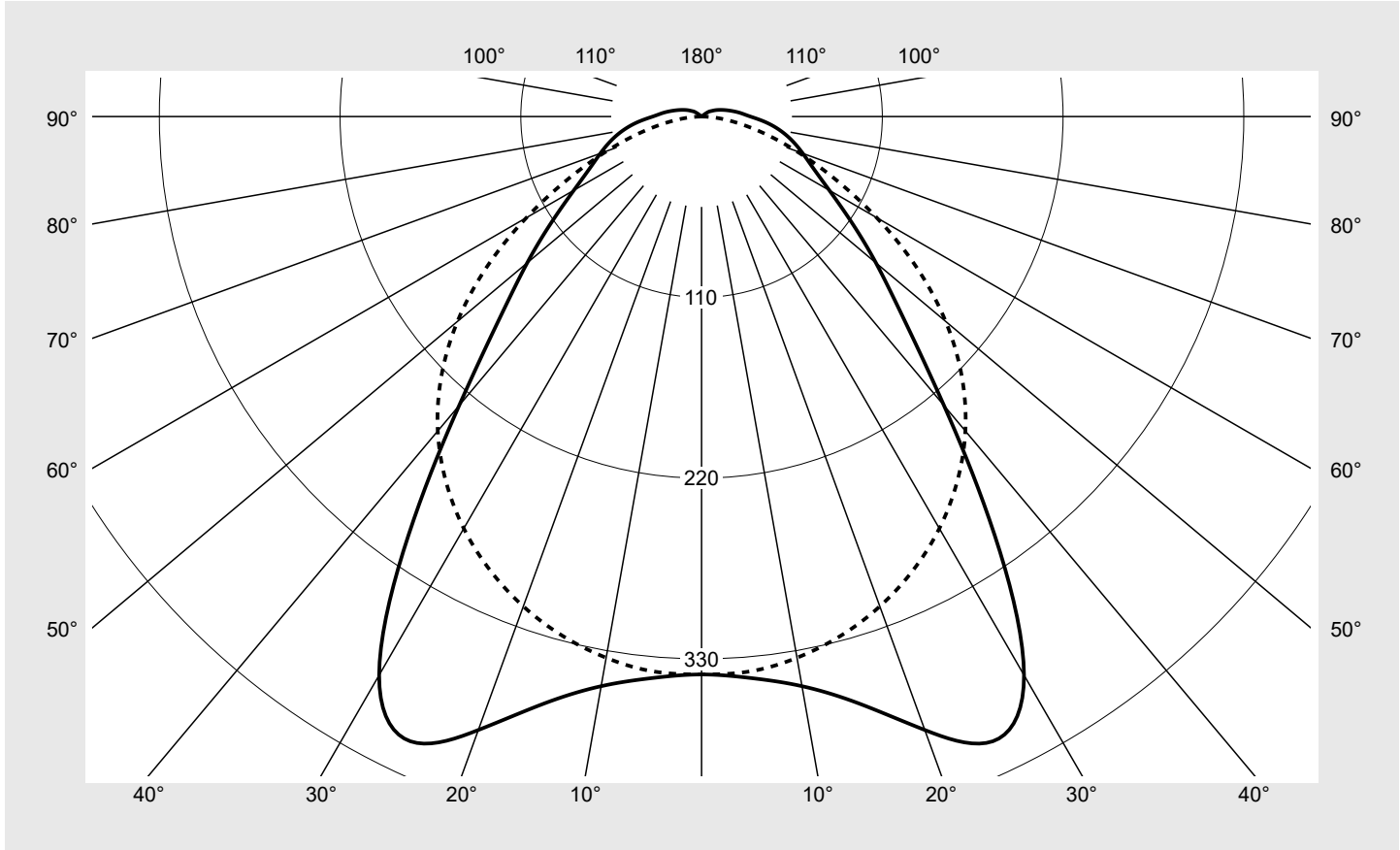
Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BCN6CXM EAN: 4069025497093	LP number 58521_188
	Version prismatic cover, frosted, wide distribution Lamps LED 6500 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 12320 lm Power consumption = 71.9 W Luminous efficacy = 171.3 lm/W	serial documentation 15.07.2025





Luminous intensity in cd/klm C180-0 C270-90 **Imax: 419 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=54 N2=82 N3=95 N4=97 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	96.8%
ϕ_o	3.2%

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°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	2.0	2.0
5°	343.0	342.0	339.2	339.3	339.7	338.8	338.9	16.2	18.3
10°	352.0	350.9	345.1	341.6	338.4	335.1	334.4	32.6	50.9
15°	369.7	367.9	356.8	346.8	337.2	329.4	327.1	49.3	100.2
20°	397.2	393.9	374.9	354.6	335.9	321.8	317.2	66.8	167.0
25°	419.5	416.9	395.3	365.3	334.4	312.1	304.6	84.4	251.4
30°	392.5	397.1	392.3	370.7	332.1	300.1	289.4	97.4	348.9
35°	311.0	322.2	341.8	350.7	323.8	285.3	271.2	100.3	449.2
40°	229.5	240.6	267.7	298.9	299.5	266.8	249.8	94.7	543.9
45°	174.0	182.0	204.5	237.4	256.3	239.9	224.1	85.2	629.1
50°	138.5	144.4	161.2	187.1	207.0	203.8	193.9	74.9	704.0
55°	110.9	115.6	129.9	149.5	163.4	162.9	159.6	64.1	768.1
60°	89.8	92.9	103.5	120.2	127.5	124.1	123.1	53.4	821.5
65°	75.3	77.0	82.7	94.9	98.6	91.3	89.2	43.6	865.1
70°	65.6	65.8	66.8	73.1	74.5	64.6	61.3	35.1	900.1
75°	57.2	56.6	54.5	55.3	53.6	43.2	39.2	27.5	927.6
80°	48.6	47.5	44.1	40.6	36.2	26.8	21.9	20.7	948.4
85°	39.1	38.1	34.6	29.4	22.8	14.4	9.2	14.9	963.2
90°	29.7	28.9	25.8	20.2	13.1	5.9	0.8	10.0	973.2
95°	24.0	23.5	21.5	16.6	10.0	3.6	0.7	8.0	981.2
100°	19.1	18.8	17.3	13.3	7.4	1.9	0.7	6.2	987.3
105°	15.1	14.8	13.5	10.2	5.0	0.8	0.6	4.6	991.9
110°	11.8	11.4	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.1	8.6	7.4	4.7	1.4	0.7	0.7	2.3	997.5
120°	6.7	6.2	4.9	2.7	0.8	0.7	0.8	1.5	999.1
125°	4.5	4.0	2.9	1.3	0.8	0.8	0.8	0.9	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	21.9	23.5	22.2	23.8	24.1	23.7	25.4	24.1	25.7	26.0
	3H	23.1	24.6	23.5	24.9	25.2	24.8	26.2	25.1	26.6	26.9
	4H	23.8	25.2	24.2	25.5	25.9	25.1	26.5	25.5	26.8	27.2
	6H	24.5	25.8	24.9	26.2	26.6	25.4	26.6	25.8	27.0	27.4
	8H	25.0	26.2	25.4	26.5	26.9	25.5	26.7	25.9	27.0	27.4
	12H	25.3	26.5	25.8	26.9	27.3	25.5	26.6	26.0	27.0	27.5
4H	2H	22.7	24.1	23.1	24.5	24.8	24.2	25.6	24.6	25.9	26.3
	3H	24.1	25.3	24.5	25.7	26.1	25.5	26.6	25.9	27.0	27.4
	4H	24.9	26.0	25.4	26.4	26.8	26.0	27.0	26.4	27.4	27.9
	6H	25.8	26.8	26.3	27.2	27.6	26.3	27.2	26.8	27.7	28.1
	8H	26.3	27.2	26.8	27.6	28.1	26.4	27.3	26.9	27.7	28.2
	12H	26.8	27.5	27.3	28.0	28.5	26.5	27.3	27.0	27.8	28.2
8H	4H	25.3	26.2	25.8	26.6	27.1	26.2	27.1	26.7	27.5	28.0
	6H	26.4	27.1	26.9	27.6	28.1	26.8	27.5	27.2	27.9	28.4
	8H	27.0	27.7	27.5	28.1	28.6	27.0	27.6	27.5	28.1	28.6
	12H	27.7	28.2	28.2	28.7	29.2	27.1	27.7	27.7	28.2	28.7
12H	4H	25.4	26.2	25.9	26.6	27.1	26.3	27.1	26.8	27.5	28.0
	6H	26.6	27.2	27.1	27.6	28.2	26.9	27.5	27.4	28.0	28.5
	8H	27.2	27.7	27.7	28.2	28.8	27.2	27.7	27.7	28.2	28.7

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°		22509.2	23654.3	26976.9	32053.8	35710.6	34707.6	33818.4	
50°		19190.4	20118.2	22840.9	27231.7	31265.3	32184.6	32193.1	
55°		16661.7	17486.4	20040.7	23806.0	27165.1	28555.9	29688.6	
60°		14868.5	15504.4	17675.9	21300.4	23783.6	24655.7	26267.5	
65°		14014.9	14445.5	15944.1	19123.1	21125.1	21097.9	22518.8	
70°		14029.8	14233.7	14924.5	17235.5	18915.2	18032.5	19142.4	
75°		14540.0	14586.7	14599.0	15828.4	16870.4	15342.8	16172.9	
80°		15340.3	15259.0	14908.0	14966.1	15125.9	13224.6	13485.3	
85°		16481.2	16407.7	15972.9	15344.8	14319.5	11809.1	11292.3	

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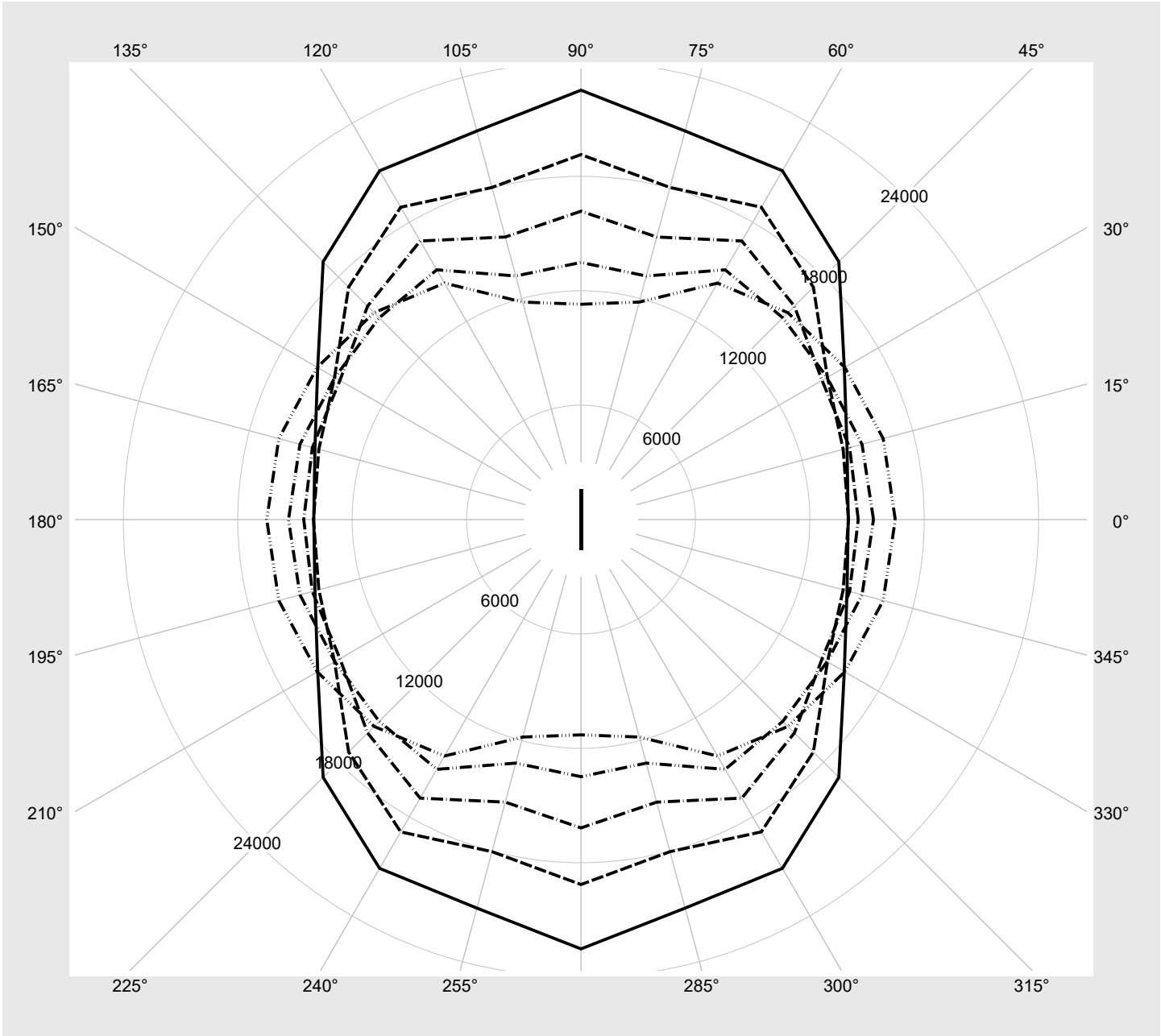
Family
Licross® 11 Protected

Order number: 51TD1BCN6CXM
EAN: 4069025497093

LP number
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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	sITeco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			end of lifetime [W]	average [W]
1	A	C	E	12320	71.9	75.8	73.8
2	A	C	F	10800	62.2	65.3	63.8
3	A	D	E	9820	56.1	59.1	57.6
4	A	D	F	8900	50.5	53.1	51.8
5	B	C	E	7900	44.5	46.6	45.6
6	B	C	F	6950	39.0	41.1	40.0
7	B	D	E	5930	33.1	34.8	34.0
8	B	D	F	4970	27.7	29.0	28.4