

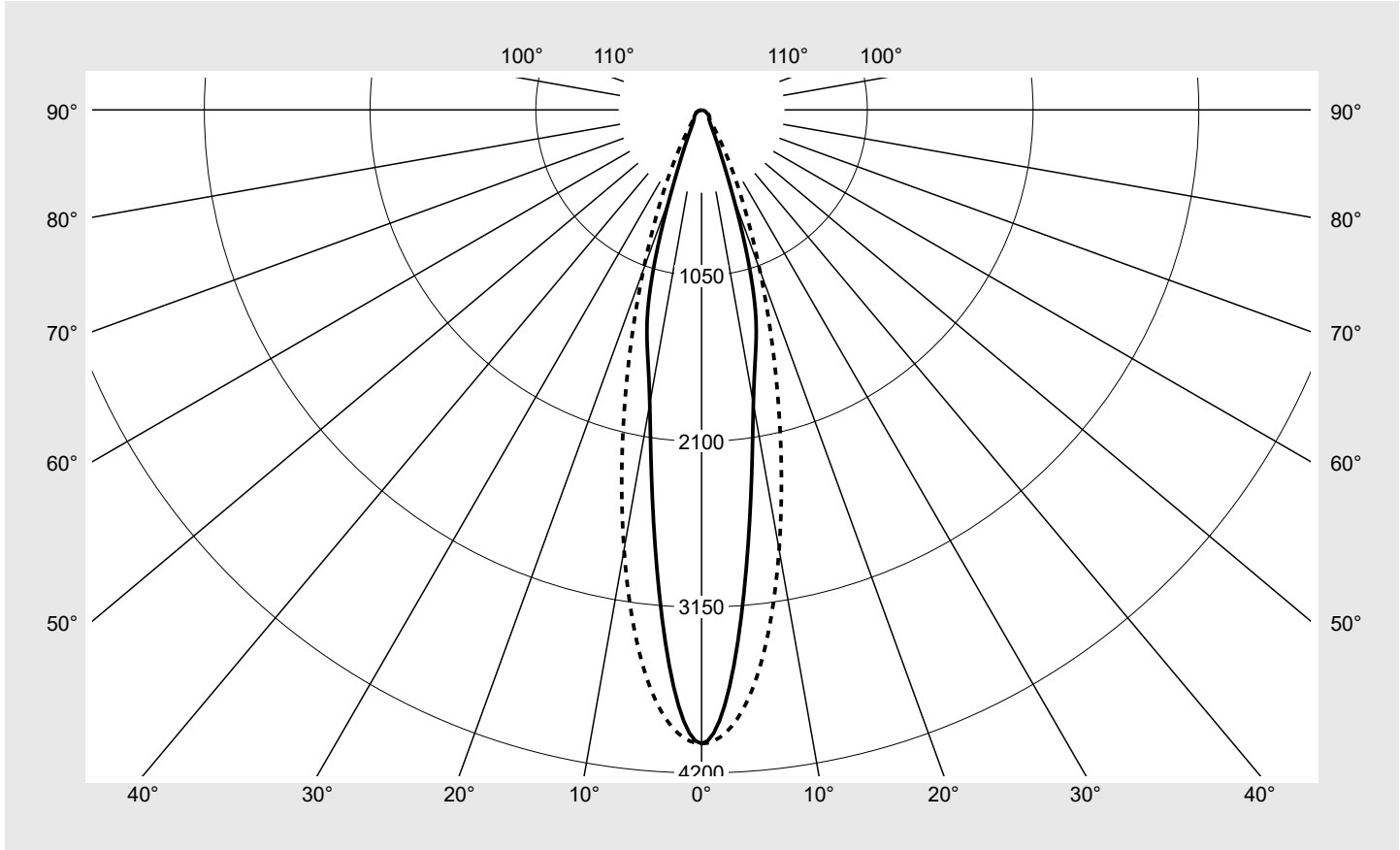


Photometric test report

Family Licross® Protected	Order number: 51TP13CN4DXR EAN: 4058352265079	LP number 58527_7
	Version prismatic cover, frosted, extremely narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 13280 lm Power consumption = 76.4 W Luminous efficacy = 173.8 lm/W	serial documentation 12.12.2019
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 4014 cd/klm**



Classifications	
DIN 5040	A 8 1
CIE	N1=89 N2=96 N3=99 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	99.7%
ϕ_o	0.3%

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°	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	24.0	24.0
5°	3075.0	3073.4	3140.6	3286.7	3470.0	3619.0	3684.9	159.0	183.0
10°	1889.9	1876.2	1856.5	1927.7	2182.7	2591.5	2828.1	203.0	386.0
15°	1318.5	1331.1	1324.1	1227.2	1167.4	1498.4	1861.2	192.4	578.4
20°	585.4	606.8	689.8	798.0	693.5	737.0	1075.9	136.1	714.5
25°	239.7	246.3	276.4	361.8	426.5	351.4	567.8	79.8	794.2
30°	128.7	127.4	129.3	152.0	214.6	178.7	273.1	45.8	840.1
35°	88.6	83.8	76.3	80.1	101.4	103.4	134.8	29.2	869.2
40°	73.1	66.6	55.1	52.3	60.4	70.8	85.4	22.6	891.8
45°	65.6	58.2	44.9	39.5	42.7	55.1	71.6	20.0	911.8
50°	58.1	50.6	38.4	32.4	32.8	44.4	65.0	18.2	930.0
55°	47.1	41.7	33.1	27.2	26.3	35.1	57.2	16.1	946.1
60°	37.8	33.0	27.8	22.9	21.3	27.1	47.5	13.8	959.9
65°	30.0	25.5	22.6	19.4	17.3	20.3	35.6	11.4	971.3
70°	23.9	19.8	17.3	16.1	13.9	14.7	23.4	9.1	980.4
75°	19.2	15.7	12.9	12.9	10.8	10.0	13.4	6.9	987.3
80°	14.6	12.1	9.7	9.6	7.9	6.2	6.6	5.0	992.4
85°	10.5	9.0	7.3	6.7	5.6	3.2	2.3	3.5	995.8
90°	7.5	6.5	5.5	4.5	3.7	1.4	0.2	2.3	998.2
95°	6.1	5.4	4.5	3.6	2.8	0.8	0.2	1.8	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	14.5	15.6	14.8	15.9	16.2	15.0	16.1	15.4	16.4	16.7
	3H	16.1	16.8	16.5	17.2	17.5	16.5	17.3	16.9	17.6	18.0
	4H	16.5	17.4	16.9	17.7	18.1	16.7	17.6	17.1	17.9	18.3
	6H	16.9	17.9	17.3	18.3	18.7	16.7	17.7	17.2	18.1	18.5
	8H	17.6	18.2	18.0	18.6	19.0	16.9	17.8	17.3	18.1	18.5
	12H	17.6	18.4	18.0	18.8	19.2	16.9	17.7	17.3	18.1	18.5
4H	2H	14.7	15.6	15.1	16.0	16.3	15.2	16.1	15.6	16.4	16.8
	3H	16.2	17.0	16.6	17.4	17.8	16.5	17.2	16.9	17.6	18.1
	4H	17.0	17.7	17.4	18.1	18.5	17.0	17.7	17.4	18.1	18.5
	6H	17.5	18.3	18.0	18.8	19.2	17.1	17.9	17.6	18.3	18.8
	8H	18.2	18.7	18.7	19.1	19.6	17.5	18.0	18.0	18.4	18.9
	12H	18.3	19.0	18.8	19.4	19.9	17.3	17.9	17.8	18.4	18.9
8H	4H	17.2	17.7	17.6	18.1	18.6	17.2	17.7	17.7	18.1	18.6
	6H	18.4	18.5	18.9	19.0	19.5	17.7	18.0	18.2	18.5	19.0
	8H	18.5	18.9	19.0	19.4	19.9	17.8	18.1	18.3	18.6	19.2
	12H	18.7	19.3	19.2	19.8	20.3	17.6	18.1	18.1	18.6	19.2
12H	4H	16.9	17.6	17.4	18.0	18.5	16.9	17.6	17.4	18.0	18.5
	6H	17.8	18.4	18.3	18.9	19.4	17.4	18.0	17.9	18.5	19.0
	8H	18.3	18.9	18.8	19.4	19.9	17.6	18.2	18.1	18.6	19.2

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°		9154.6	8150.5	6386.6	5748.4	6419.2	8600.8	11651.3	
50°		8667.5	7592.6	5861.1	5083.2	5334.8	7560.2	11632.2	
55°		7638.1	6795.5	5504.9	4664.4	4711.3	6629.2	11466.0	
60°		6750.7	5930.0	5120.6	4375.0	4287.3	5795.4	10918.7	
65°		6019.9	5153.1	4696.7	4214.5	4005.5	5062.6	9699.2	
70°		5513.4	4625.1	4157.6	4099.1	3801.8	4414.1	7863.8	
75°		5251.2	4347.8	3717.7	3978.5	3645.3	3829.9	5963.5	
80°		4957.0	4201.3	3538.6	3800.1	3560.7	3292.1	4340.6	
85°		4784.8	4168.7	3649.2	3789.8	3753.2	2834.2	3034.5	

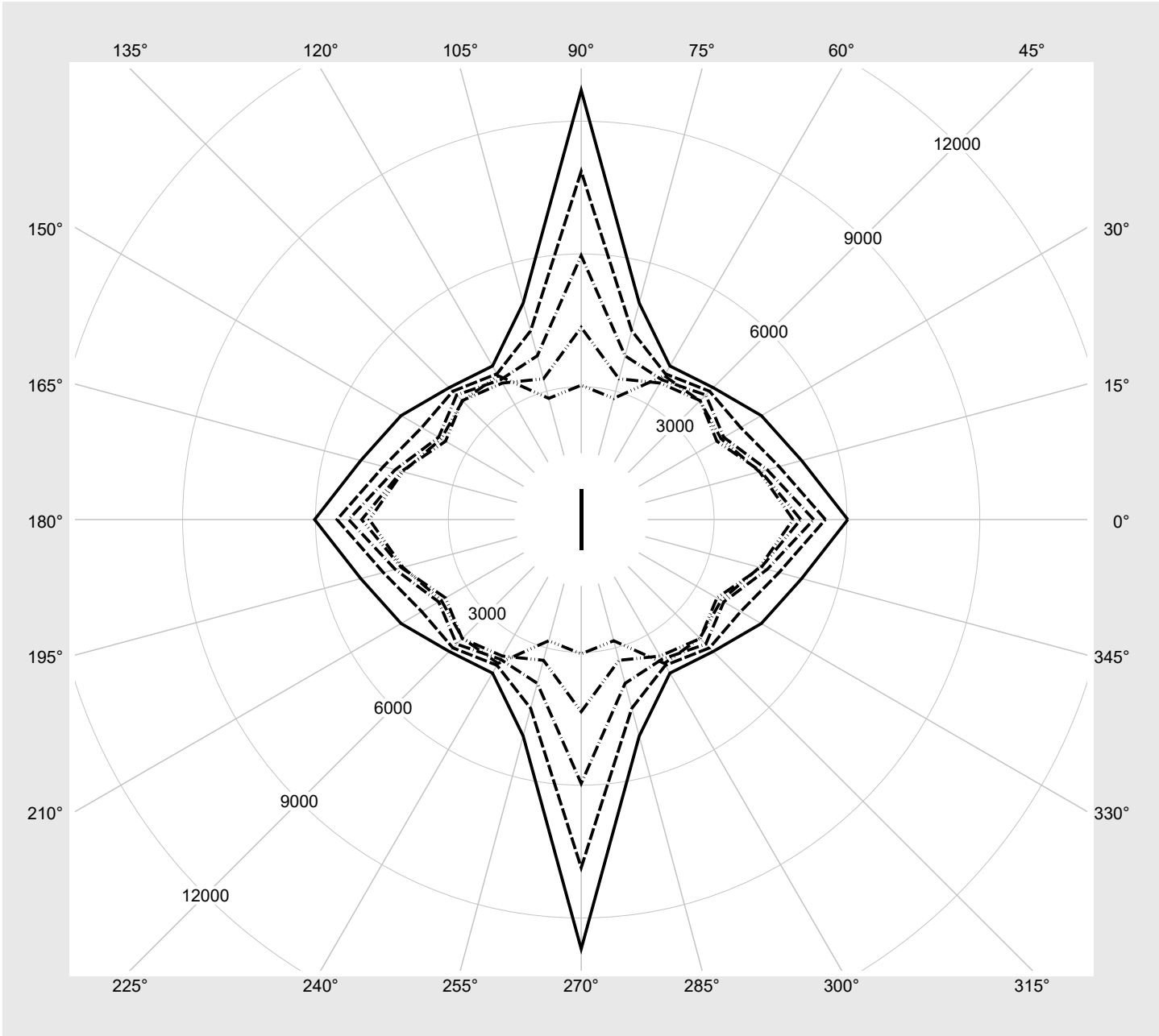
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



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Multilumen Table	environmental temperature: 25°C	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	13280	76.4	85.6	81.0
2	A	C	F	12090	68.8	76.5	72.6
3	A	D	E	11090	62.6	69.3	66.0
4	A	D	F	10080	56.5	62.7	59.6
5	B	C	E	9060	50.4	55.7	53.0
6	B	C	F	8030	44.4	48.7	46.6
7	B	D	E	7050	38.8	42.7	40.8
8	B	D	F	6070	33.3	36.3	34.8