

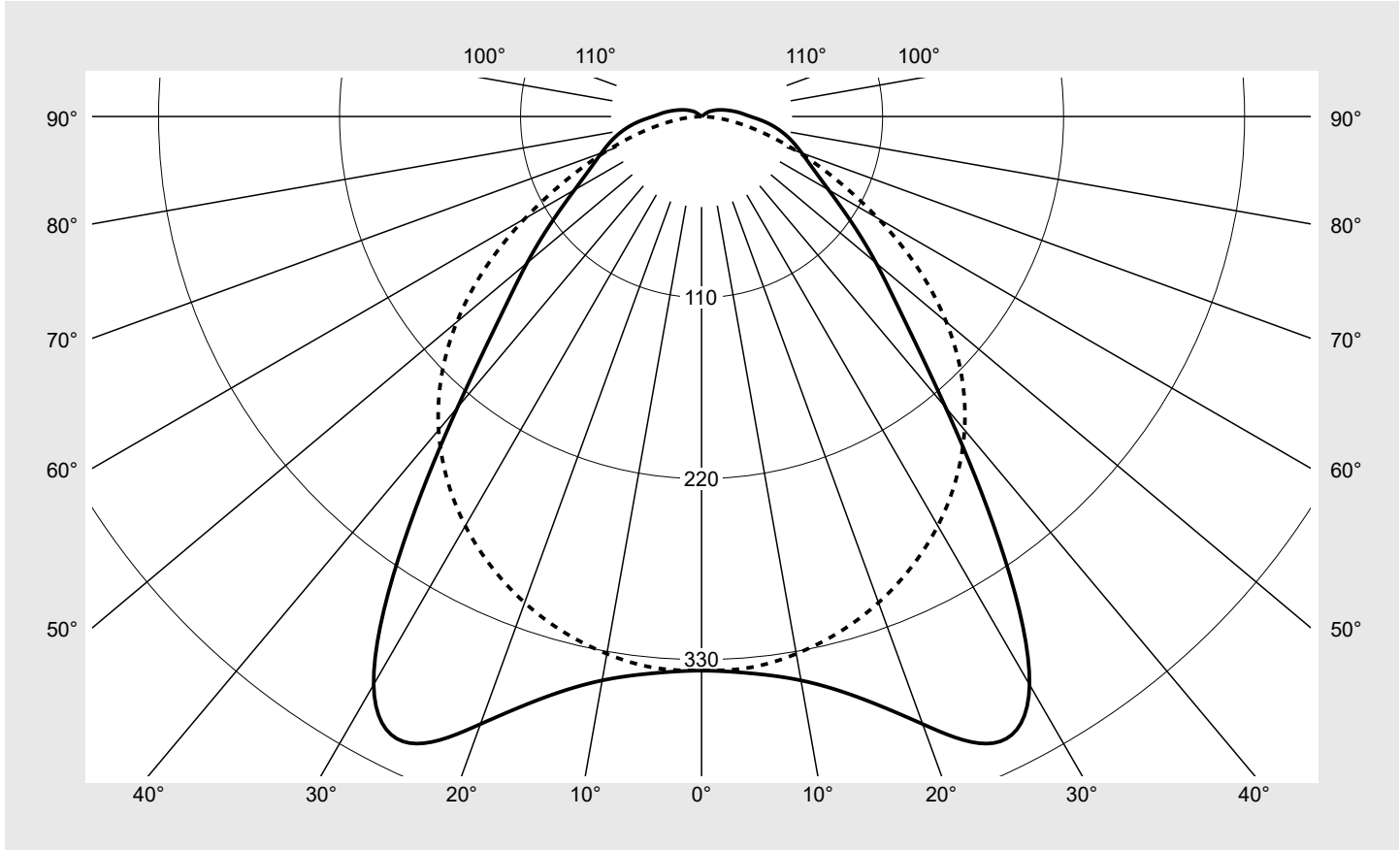


Photometric test report

Family Licross® 11 Protected	Order number: 51TS12DN48XFE EAN: 4058352447376	LP number 58522_42
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 8470 lm Power consumption = 56.2 W Luminous efficacy = 150.7 lm/W	serial documentation 05.10.2020
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 420 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°	336.7	336.7	336.7	336.7	336.7	336.7	336.7	2.0	2.0
5°	339.6	338.6	335.9	336.3	336.9	336.0	336.1	16.1	18.1
10°	347.9	347.0	341.3	338.0	335.2	332.1	331.5	32.3	50.4
15°	365.1	363.4	352.6	343.0	333.9	326.3	324.2	48.8	99.2
20°	392.9	389.6	370.2	350.5	332.5	318.7	314.4	66.1	165.3
25°	420.1	417.2	393.2	361.7	330.8	309.3	301.9	83.9	249.2
30°	398.6	403.0	395.6	369.9	329.0	297.6	287.2	97.7	346.8
35°	315.4	327.2	346.9	353.5	322.7	283.2	269.5	100.9	447.7
40°	230.7	242.3	270.7	302.4	300.6	265.5	248.6	95.2	542.9
45°	173.9	182.1	205.6	239.8	258.3	240.0	223.6	85.6	628.5
50°	138.5	144.5	161.6	188.3	208.7	204.6	194.1	75.2	703.7
55°	110.6	115.5	130.2	150.3	164.6	163.9	160.4	64.4	768.0
60°	89.1	92.4	103.6	120.9	128.5	124.9	123.9	53.5	821.6
65°	74.6	76.3	82.5	95.4	99.4	91.8	89.8	43.7	865.3
70°	64.8	65.1	66.4	73.4	75.2	65.0	61.7	35.1	900.3
75°	56.7	56.1	54.1	55.3	54.0	43.4	39.3	27.4	927.8
80°	48.3	47.2	43.9	40.6	36.4	26.8	21.9	20.7	948.5
85°	39.1	38.0	34.5	29.4	22.9	14.4	9.1	14.9	963.3
90°	29.8	28.8	25.7	20.2	13.1	5.8	0.8	9.9	973.3
95°	24.0	23.5	21.4	16.6	9.9	3.5	0.7	7.9	981.2
100°	19.2	18.8	17.3	13.3	7.4	1.9	0.6	6.2	987.4
105°	15.1	14.8	13.6	10.2	5.0	0.8	0.6	4.6	992.0
110°	11.8	11.3	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.0	8.5	7.3	4.7	1.4	0.7	0.7	2.3	997.6
120°	6.6	6.1	4.9	2.7	0.8	0.7	0.7	1.5	999.1
125°	4.4	4.0	2.9	1.3	0.7	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	20.6	22.2	21.0	22.5	22.9	22.5	24.1	22.8	24.4	24.7
	3H	21.8	23.2	22.1	23.6	23.9	23.5	25.0	23.9	25.3	25.6
	4H	22.5	23.8	22.8	24.2	24.6	23.8	25.2	24.2	25.6	25.9
	6H	23.2	24.5	23.6	24.9	25.3	24.1	25.4	24.5	25.7	26.1
	8H	23.6	24.8	24.0	25.2	25.6	24.2	25.4	24.6	25.8	26.2
	12H	24.0	25.1	24.4	25.5	25.9	24.3	25.4	24.7	25.8	26.2
4H	2H	21.4	22.8	21.8	23.2	23.5	22.9	24.3	23.3	24.7	25.0
	3H	22.8	24.0	23.2	24.4	24.8	24.2	25.4	24.6	25.8	26.2
	4H	23.6	24.7	24.0	25.1	25.5	24.7	25.8	25.1	26.2	26.6
	6H	24.5	25.4	25.0	25.9	26.3	25.0	26.0	25.5	26.4	26.9
	8H	25.0	25.8	25.4	26.3	26.7	25.2	26.0	25.6	26.5	26.9
	12H	25.5	26.2	25.9	26.7	27.2	25.3	26.0	25.8	26.5	27.0
8H	4H	24.0	24.9	24.5	25.3	25.8	25.0	25.8	25.4	26.3	26.7
	6H	25.1	25.8	25.6	26.3	26.8	25.5	26.2	26.0	26.7	27.2
	8H	25.7	26.3	26.2	26.8	27.3	25.7	26.3	26.2	26.8	27.3
	12H	26.3	26.9	26.8	27.4	27.9	25.9	26.4	26.4	26.9	27.4
12H	4H	24.1	24.8	24.6	25.3	25.8	25.0	25.8	25.5	26.2	26.7
	6H	25.2	25.8	25.7	26.3	26.8	25.6	26.2	26.1	26.7	27.2
	8H	25.9	26.4	26.4	26.9	27.4	25.9	26.4	26.4	26.9	27.4

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°		15464.0	16276.2	18641.5	22258.6	24735.8	23871.1	23203.3	
50°		13187.2	13835.8	15740.3	18848.1	21668.8	22217.1	22158.3	
55°		11423.8	12011.5	13812.5	16457.0	18819.2	19749.1	20514.4	
60°		10149.4	10603.7	12161.9	14730.2	16478.4	17051.8	18187.6	
65°		9545.4	9850.7	10935.7	13226.4	14645.5	14593.0	15594.5	
70°		9528.5	9689.4	10205.0	11898.2	13124.8	12471.2	13235.5	
75°		9902.0	9943.2	9967.0	10878.9	11686.9	10592.4	11135.6	
80°		10487.4	10432.9	10204.6	10275.5	10439.2	9102.8	9237.8	
85°		11321.5	11260.2	10953.1	10549.9	9885.2	8096.2	7679.3	

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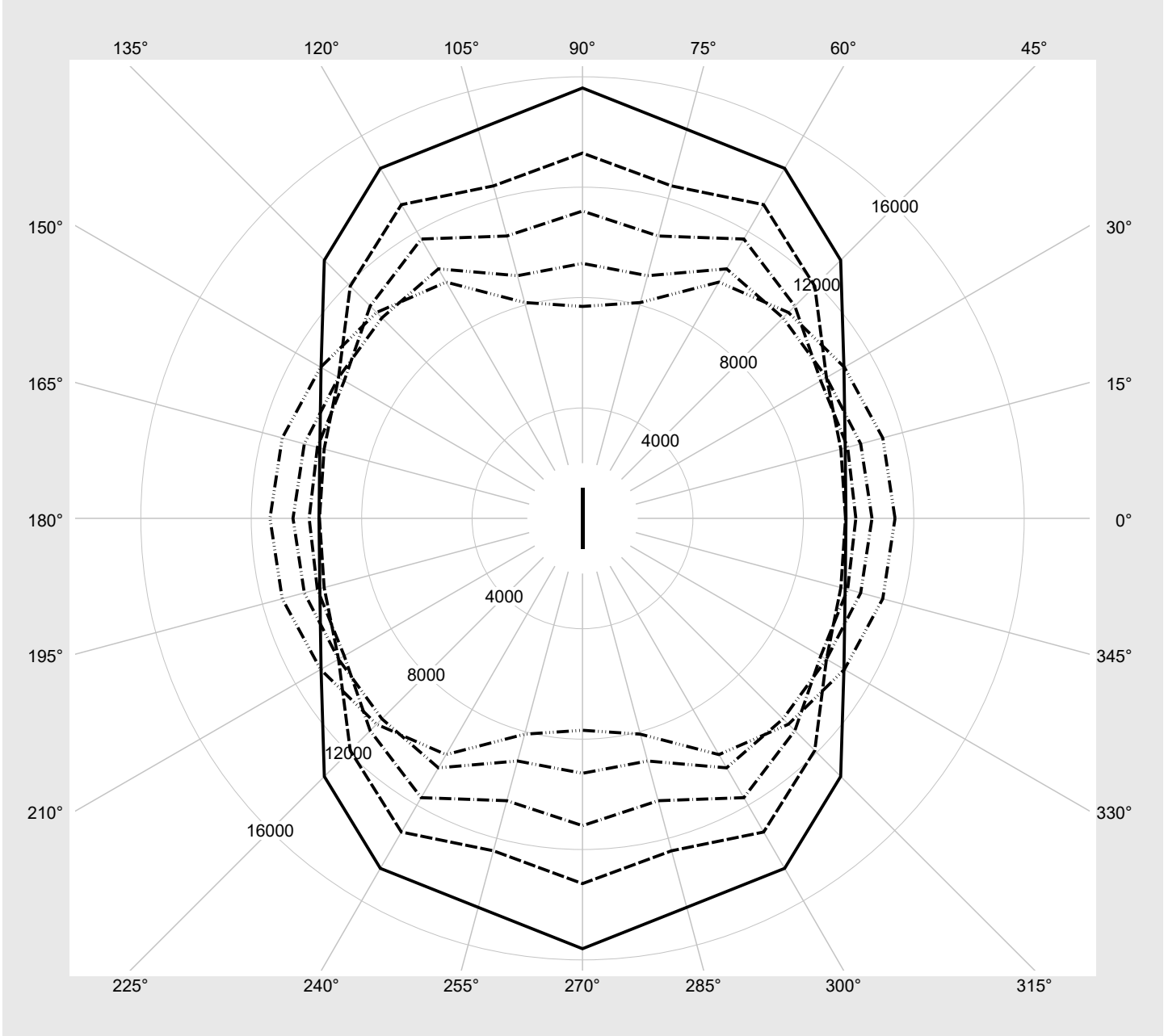
Family
Licross® 11 Protected

Order number: 51TS12DN48XFE
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LP number
58522_42

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	8470	56.2
95	241	252	8046	53.2
90	227	250	7614	50.1
85	214	248	7192	47.3
80	201	245	6791	44.4
75	187	243	6337	41.4
70	175	240	5926	38.6
65	162	238	5504	35.8
60	149	234	5082	33.0
55	136	231	4659	30.2
50	123	227	4238	27.5
45	111	224	3827	25.0
40	98	219	3404	22.3
35	85	214	2960	19.7
30	73	208	2548	17.1
25	60	201	2102	14.4
20	49	194	1703	12.1
15	36	182	1256	9.5
10	25	169	857	7.3
5	13	145	445	4.7