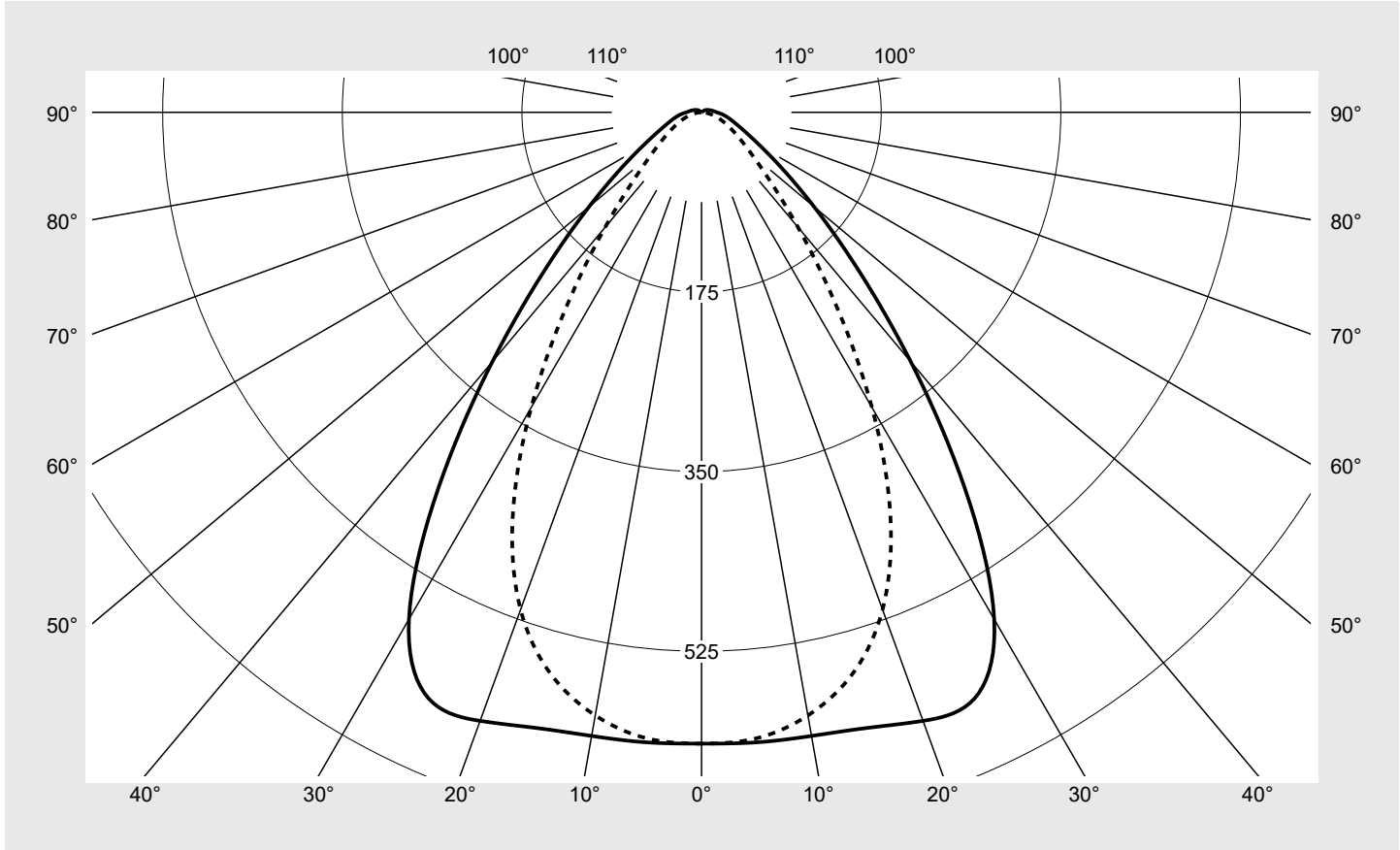


Photometric test report

Family Licross® 11 Protected	Order number: 51TD12VN465F EAN: 4058352749999	LP number 58524_210
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI CLO Rated values Net luminous flux = 6510 lm Power consumption = 40.1 W Luminous efficacy = 162.3 lm/W	serial documentation 08.11.2022
		

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

Photometric test report

Family Licross® 11 Protected	Order number: 51TD12VN465F EAN: 4058352749999	LP number 58524_210
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

Photometric test report

Family Licross® 11 Protected	Order number: 51TD12VN465F EAN: 4058352749999	LP number 58524_210
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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	19.8	21.2	20.1	21.5	21.8	16.5	18.0	16.9	18.3	18.6
	3H	20.2	21.5	20.6	21.8	22.1	16.9	18.2	17.3	18.5	18.8
	4H	20.4	21.6	20.8	21.9	22.3	17.0	18.2	17.4	18.6	18.9
	6H	20.7	21.8	21.1	22.1	22.5	17.1	18.3	17.6	18.6	19.0
	8H	21.0	21.9	21.4	22.3	22.7	17.2	18.2	17.7	18.6	19.0
	12H	21.1	22.0	21.6	22.4	22.8	17.3	18.2	17.7	18.6	19.0
4H	2H	19.8	21.0	20.2	21.4	21.8	17.1	18.2	17.4	18.6	18.9
	3H	20.4	21.4	20.8	21.8	22.2	17.5	18.5	18.0	18.9	19.3
	4H	20.7	21.6	21.2	22.0	22.4	17.7	18.6	18.2	19.0	19.5
	6H	21.1	21.9	21.6	22.3	22.8	17.9	18.7	18.4	19.1	19.6
	8H	21.4	22.0	21.8	22.5	23.0	18.0	18.7	18.5	19.2	19.6
	12H	21.7	22.2	22.2	22.7	23.2	18.1	18.7	18.6	19.1	19.6
8H	4H	20.7	21.4	21.2	21.9	22.4	18.0	18.6	18.4	19.1	19.6
	6H	21.2	21.8	21.7	22.3	22.8	18.3	18.8	18.8	19.3	19.8
	8H	21.5	22.0	22.0	22.5	23.1	18.4	18.9	18.9	19.4	19.9
	12H	21.9	22.3	22.5	22.8	23.4	18.5	18.9	19.0	19.4	19.9
12H	4H	20.7	21.3	21.2	21.8	22.3	18.1	18.6	18.5	19.1	19.6
	6H	21.2	21.7	21.8	22.2	22.7	18.4	18.8	18.9	19.3	19.8
	8H	21.6	22.0	22.1	22.5	23.0	18.5	18.9	19.0	19.4	20.0

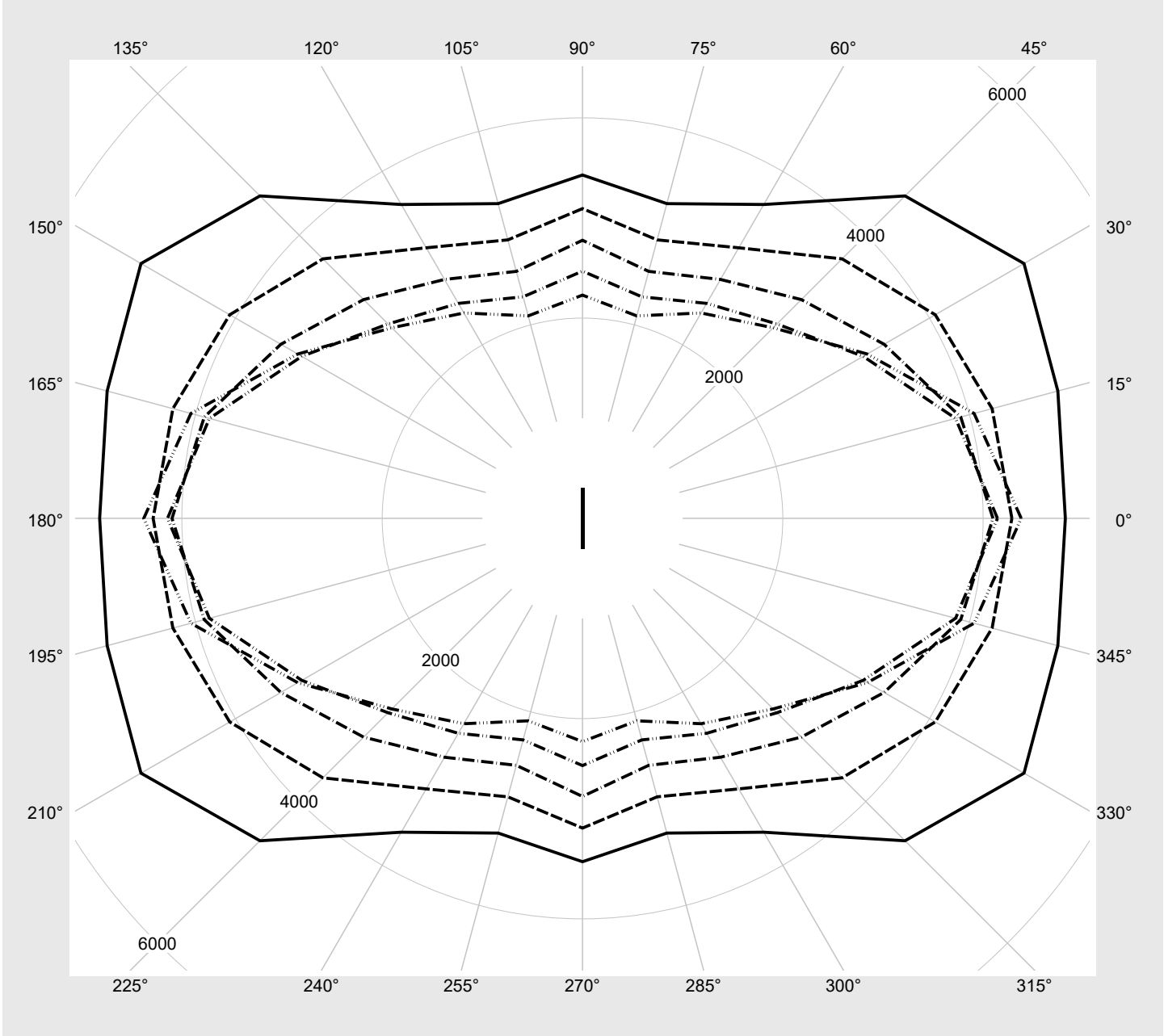
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

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°	14624.2	15542.5	17011.5	15315.9	10871.5	8075.0	7499.5
	50°	10471.2	11189.1	12496.6	11142.1	7797.5	5905.5	5620.0
	55°	7668.3	8158.9	9119.0	8002.8	5693.9	4599.5	4552.8
	60°	5867.5	6137.7	6697.0	5936.6	4410.9	3782.0	3886.7
	65°	4820.9	4913.5	5090.1	4554.1	3619.4	3254.1	3429.2
	70°	4287.1	4234.1	4066.9	3665.2	3120.3	2879.4	3093.3
	75°	4098.4	3909.6	3477.6	3090.0	2755.1	2553.7	2777.4
	80°	4143.2	3856.6	3236.1	2745.6	2479.0	2290.6	2469.1
	85°	4380.5	4047.7	3282.6	2692.0	2368.4	2093.6	2229.7

Photometric test report

Family Licross® 11 Protected	Order number: 51TD12VN465F EAN: 4058352749999	LP number 58524_210
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Licross® 11 Protected	Order number: 51TD12VN465F EAN: 4058352749999	LP number 58524_210
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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]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	6510	40.1	46.9	43.5
95	242	252	6195	38.2	44.7	41.4
90	228	250	5849	36.1	42.1	39.1
85	215	248	5534	34.1	39.8	37.0
80	202	246	5212	32.1	37.3	34.7
75	189	243	4892	30.1	35.0	32.6
70	176	241	4566	28.1	32.7	30.4
65	163	238	4239	26.2	30.4	28.3
60	150	235	3909	24.2	28.1	26.2
55	137	231	3580	22.4	25.8	24.1
50	124	228	3247	20.4	23.6	22.0
45	112	224	2941	18.7	21.4	20.0
40	99	219	2603	16.5	19.2	17.8
35	86	214	2266	14.6	16.8	15.7
30	74	209	1950	12.9	14.7	13.8
25	62	202	1634	11.2	12.7	12.0
20	49	194	1291	9.3	10.5	9.9
15	37	183	970	7.5	8.5	8.0
10	25	169	647	5.8	6.5	6.2
5	13	145	329	4.1	4.4	4.2
2	6	117	146	3.0	3.2	3.1