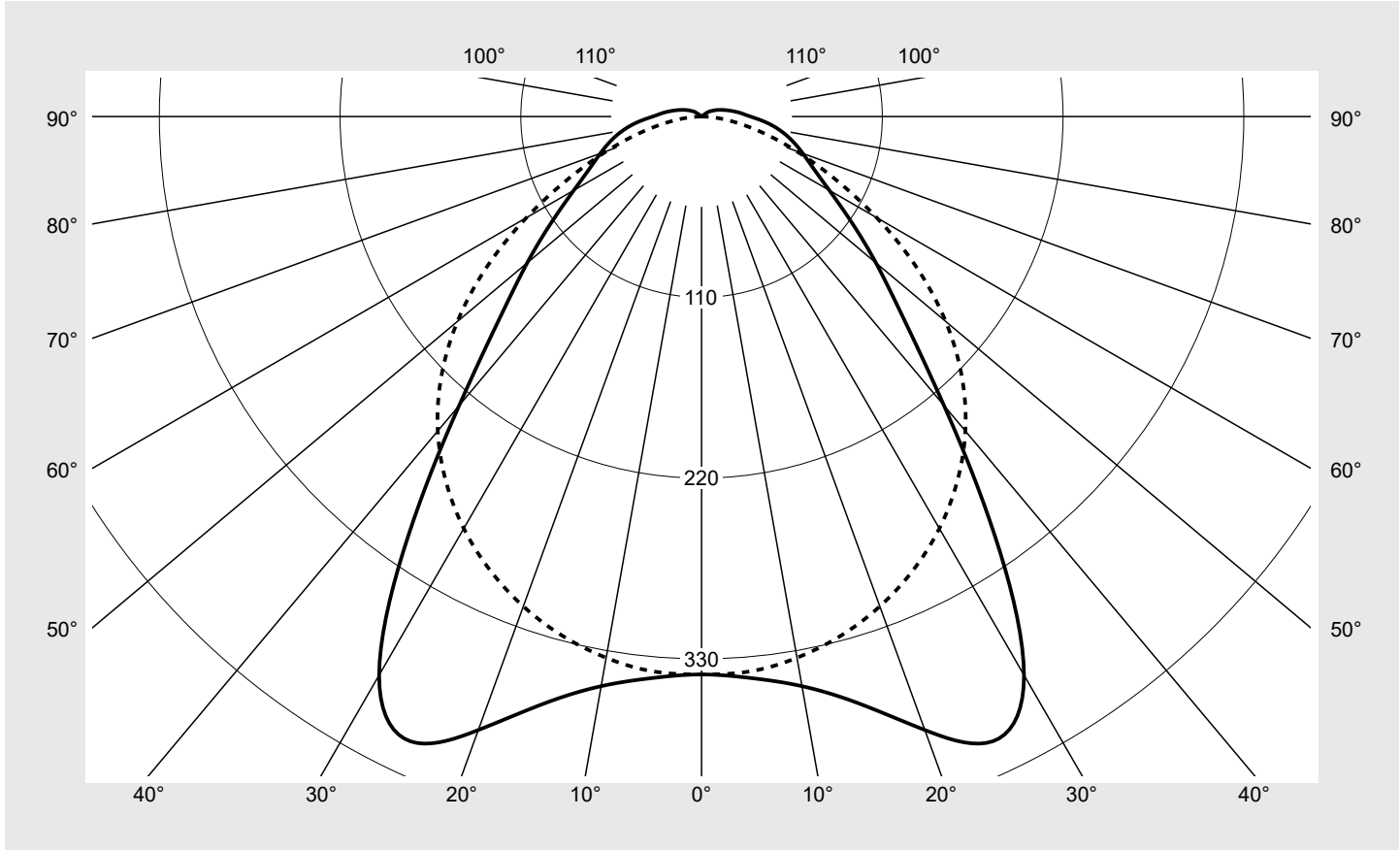


Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BTNT8XX EAN: 4069025021571	LP number 58521_181
Version	prismatic cover, frosted, tunable white, wide distribution	serial documentation 15.03.2024
Lamps	LED 2700 K ... 6500 K CRI ≥ 80	
Controlgear	ECG-DALI	
Setting	individual position	
Rated values	at 2700 K Net luminous flux = 8450 lm Power consumption = 56.0 W Luminous efficacy = 150.9 lm/W	



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

Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BTNT8XX EAN: 4069025021571	LP number 58521_181
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

Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BTNT8XX EAN: 4069025021571	LP number 58521_181
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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	20.9	22.5	22.8	22.4	24.1	22.8	24.4	24.7
	3H	21.8	23.2	22.1	23.6	23.9	23.4	24.9	23.8	25.2	25.6
	4H	22.5	23.9	22.9	24.2	24.6	23.8	25.2	24.2	25.5	25.9
	6H	23.2	24.5	23.6	24.9	25.3	24.1	25.3	24.5	25.7	26.1
	8H	23.7	24.8	24.1	25.2	25.6	24.2	25.4	24.6	25.7	26.1
	12H	24.0	25.2	24.5	25.6	26.0	24.2	25.3	24.6	25.7	26.1
4H	2H	21.4	22.8	21.8	23.1	23.5	22.9	24.3	23.3	24.6	25.0
	3H	22.8	24.0	23.2	24.3	24.8	24.1	25.3	24.6	25.7	26.1
	4H	23.6	24.7	24.0	25.1	25.5	24.6	25.7	25.1	26.1	26.5
	6H	24.5	25.5	25.0	25.9	26.3	25.0	25.9	25.5	26.4	26.8
	8H	25.0	25.8	25.5	26.3	26.8	25.1	26.0	25.6	26.4	26.9
	12H	25.5	26.2	26.0	26.7	27.2	25.2	26.0	25.7	26.4	26.9
8H	4H	24.0	24.9	24.5	25.3	25.8	24.9	25.8	25.4	26.2	26.7
	6H	25.1	25.8	25.6	26.3	26.8	25.5	26.2	25.9	26.6	27.1
	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	26.9	27.4	27.9	25.8	26.4	26.3	26.9	27.4
12H	4H	24.1	24.9	24.6	25.3	25.8	25.0	25.7	25.5	26.2	26.7
	6H	25.2	25.9	25.7	26.3	26.9	25.6	26.2	26.1	26.7	27.2
	8H	25.9	26.4	26.4	26.9	27.5	25.8	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°		15438.5	16223.9	18502.8	21984.9	24493.0	23805.1	23195.3	
50°		13162.3	13798.6	15666.0	18677.6	21444.2	22074.6	22080.5	
55°		11427.9	11993.5	13745.4	16327.9	18631.9	19585.8	20362.7	
60°		10198.0	10634.1	12123.5	14609.4	16312.6	16910.8	18016.3	
65°		9612.5	9907.8	10935.7	13116.1	14489.2	14470.5	15445.1	
70°		9622.7	9762.5	10236.3	11821.4	12973.5	12368.0	13129.3	
75°		9972.6	10004.7	10013.1	10856.3	11571.0	10523.3	11092.6	
80°		10521.5	10465.8	10225.0	10264.9	10374.5	9070.5	9249.2	
85°		11304.0	11253.7	10955.4	10524.6	9821.4	8099.6	7745.1	

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

