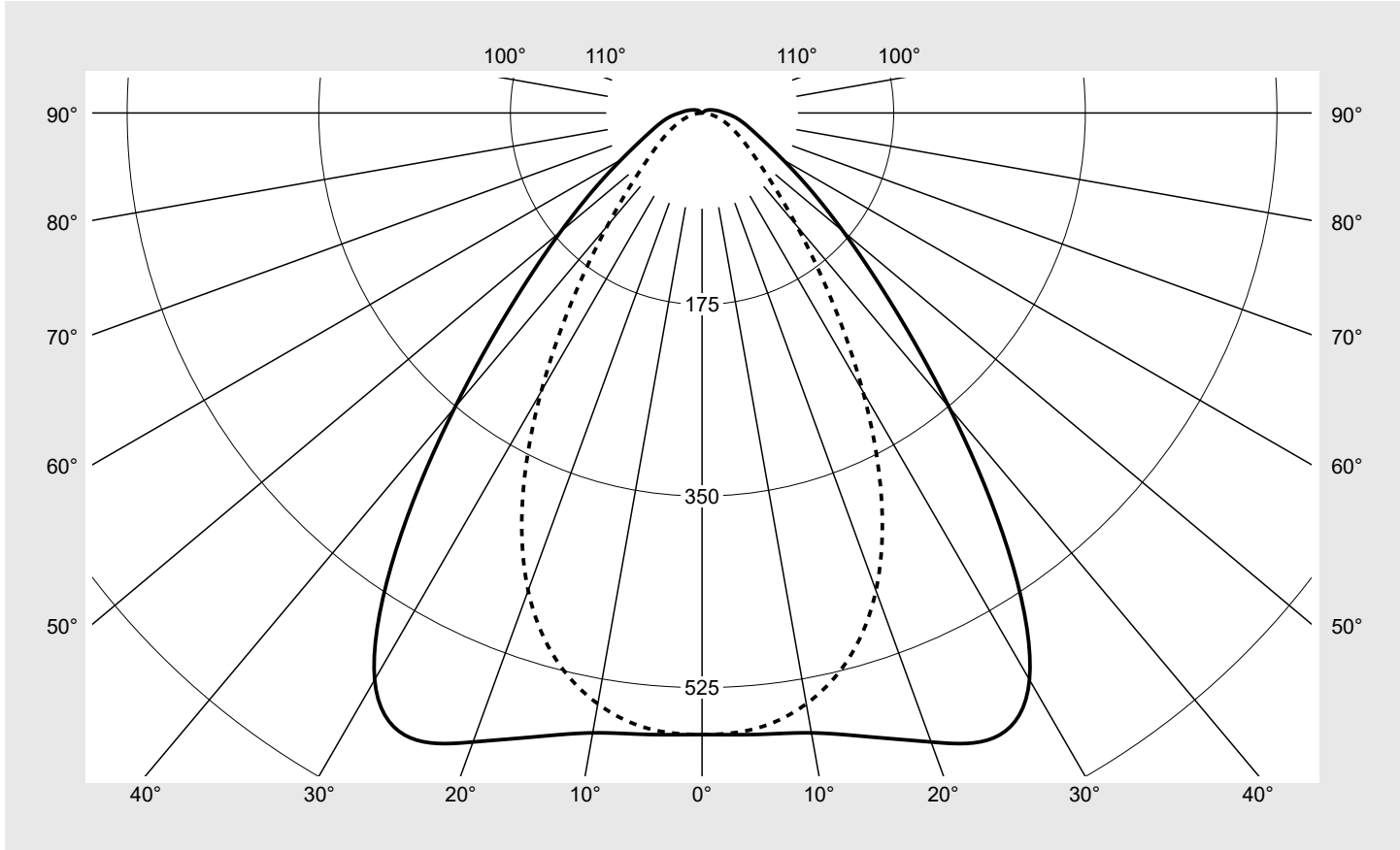


Photometric test report

Family Licross® 21 Protected	Order number: 52TP12DN4E5M3S4 EAN: 4058352908426	LP number 58523_198
Version	prismatic cover, frosted, wide distribution	serial documentation 17.08.2023
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG-DALI	
Setting	emergency light operation: 3 h	
Rated values	Net luminous flux = 910 lm Power consumption = 7.6 W Luminous efficacy = 119.7 lm/W	



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 630 cd/klm**



Classifications	
DIN 5040	A 5 1
CIE	N1=70 N2=91 N3=97 N4=98 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	98.3%
ϕ_o	1.7%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 21 Protected	Order number: 52TP12DN4E5M3S4 EAN: 4058352908426	LP number 58523_198
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°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	3.4	3.4
5°	570.0	568.0	563.9	564.4	565.6	564.2	564.6	27.0	30.4
10°	575.1	572.9	563.4	557.9	553.3	549.0	548.2	53.3	83.7
15°	590.1	586.0	566.8	548.5	532.2	519.9	516.5	78.2	161.9
20°	611.6	603.6	568.7	531.0	496.5	471.9	464.3	100.3	262.2
25°	630.0	617.6	564.2	499.9	441.6	401.0	387.5	117.1	379.3
30°	598.0	589.4	536.5	452.4	368.0	311.9	293.8	123.5	502.8
35°	487.1	490.1	463.2	383.1	284.6	222.1	203.0	114.7	617.4
40°	351.1	360.8	359.1	297.2	205.7	150.3	134.3	94.9	712.3
45°	241.7	250.7	257.1	211.9	140.4	100.6	89.9	72.8	785.1
50°	168.3	174.0	178.9	144.5	94.4	69.8	63.7	54.4	839.5
55°	118.9	121.8	123.3	97.4	64.6	50.4	47.5	40.5	880.0
60°	85.1	85.8	84.4	66.1	45.7	37.4	36.1	30.1	910.0
65°	63.8	62.6	58.2	45.7	33.4	28.1	27.2	22.6	932.7
70°	50.4	47.7	40.8	32.1	24.8	20.7	19.9	17.3	949.9
75°	41.3	37.6	29.5	22.7	17.9	14.5	13.5	13.2	963.2
80°	34.0	30.0	21.9	15.9	12.4	9.4	8.0	10.0	973.1
85°	27.2	23.7	16.4	11.2	8.0	5.3	3.6	7.3	980.4
90°	20.7	17.9	12.0	7.4	4.6	2.2	0.4	5.0	985.4
95°	16.6	14.7	10.2	6.3	3.6	1.3	0.3	4.0	989.4
100°	13.2	11.9	8.5	5.2	2.7	0.8	0.3	3.2	992.6
105°	10.4	9.5	6.9	4.1	1.9	0.4	0.3	2.5	995.1
110°	8.2	7.4	5.5	3.1	1.2	0.3	0.3	1.9	997.0
115°	6.5	5.8	4.2	2.2	0.7	0.4	0.4	1.4	998.4
120°	4.9	4.3	3.0	1.4	0.6	0.5	0.5	1.0	999.4
125°	3.5	3.0	2.0	0.9	0.6	0.5	0.5	0.7	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® 21 Protected	Order number: 52TP12DN4E5M3S4 EAN: 4058352908426	LP number 58523_198
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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	13.6	15.1	14.0	15.4	15.7	9.5	10.9	9.8	11.2	11.6
	3H	14.2	15.5	14.6	15.9	16.2	9.9	11.2	10.3	11.6	11.9
	4H	14.6	15.8	15.0	16.1	16.5	10.1	11.3	10.5	11.7	12.0
	6H	15.0	16.1	15.4	16.4	16.8	10.2	11.4	10.6	11.8	12.1
	8H	15.3	16.2	15.7	16.6	17.0	10.3	11.4	10.7	11.8	12.2
	12H	15.5	16.4	16.0	16.8	17.2	10.4	11.4	10.8	11.7	12.2
4H	2H	13.7	14.9	14.1	15.3	15.6	10.2	11.3	10.6	11.7	12.1
	3H	14.4	15.4	14.8	15.8	16.2	10.7	11.7	11.1	12.1	12.5
	4H	14.9	15.8	15.3	16.2	16.6	11.0	11.9	11.4	12.3	12.7
	6H	15.4	16.2	15.9	16.6	17.1	11.2	12.0	11.6	12.4	12.9
	8H	15.8	16.5	16.2	16.9	17.4	11.3	12.0	11.7	12.4	12.9
	12H	16.1	16.7	16.6	17.2	17.7	11.3	12.0	11.8	12.4	12.9
8H	4H	14.9	15.6	15.3	16.1	16.5	11.3	12.0	11.8	12.4	12.9
	6H	15.5	16.1	16.0	16.6	17.1	11.6	12.2	12.1	12.7	13.2
	8H	15.9	16.5	16.4	16.9	17.5	11.7	12.3	12.2	12.7	13.3
	12H	16.4	16.9	17.0	17.4	17.9	11.9	12.3	12.4	12.8	13.3
12H	4H	14.9	15.5	15.4	16.0	16.5	11.4	12.0	11.9	12.4	12.9
	6H	15.5	16.1	16.1	16.5	17.1	11.8	12.2	12.3	12.7	13.2
	8H	16.0	16.4	16.5	16.9	17.5	11.9	12.3	12.4	12.8	13.4

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480 B = 78	H(C0) = 13 H(C90) = 0	H(C180) = 13 H(C270) = 0
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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°		2309.7	2406.9	2505.0	2112.9	1444.7	1075.2	1002.6		
50°		1722.1	1790.6	1872.5	1553.8	1052.9	813.6	781.4		
55°		1319.7	1361.5	1405.5	1145.6	793.2	652.1	653.1		
60°		1041.0	1058.3	1064.2	865.7	629.4	548.4	568.5		
65°		876.5	867.6	829.4	680.0	528.5	478.9	506.9		
70°		796.3	762.0	673.8	558.9	464.4	426.5	458.1		
75°		774.9	715.4	584.0	480.4	417.0	380.2	411.3		
80°		792.9	712.3	547.8	433.7	380.7	342.7	364.0		
85°		845.7	753.6	559.6	430.5	370.0	318.6	327.5		

Photometric test report

Family Licross® 21 Protected	Order number: 52TP12DN4E5M3S4 EAN: 4058352908426	LP number 58523_198
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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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