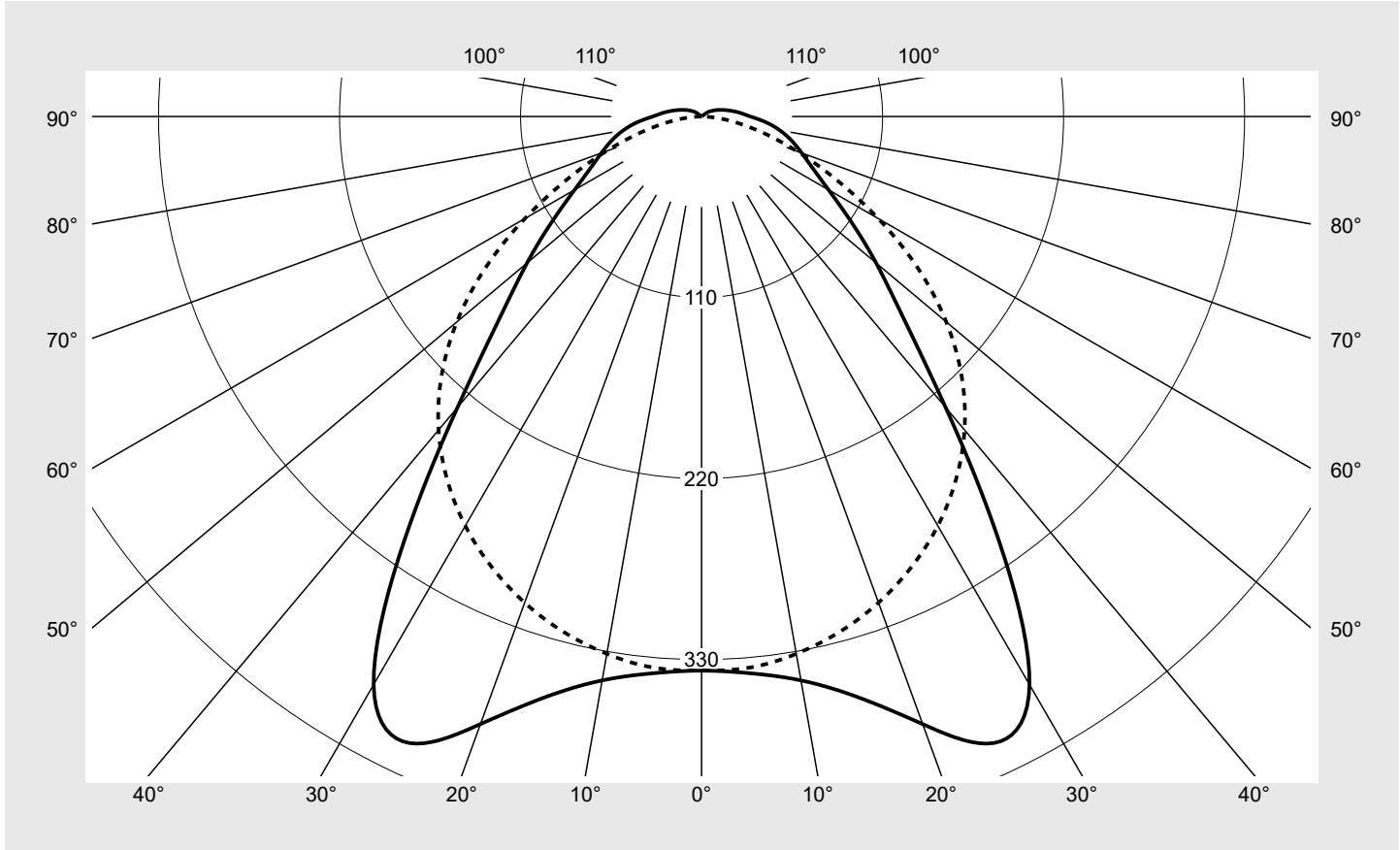


Photometric test report

Family Licross® Protected	Order number: 51TS127N475F EAN: 4058352265048	LP number 58522_17
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Rated values Net luminous flux = 7690 lm Power consumption = 47.6 W Luminous efficacy = 161.6 lm/W	serial documentation 12.12.2019
		

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

Photometric test report

Family Licross® Protected	Order number: 51TS127N475F EAN: 4058352265048	LP number 58522_17
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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Family Licross® Protected	Order number: 51TS127N475F EAN: 4058352265048	LP number 58522_17
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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	20.3	21.9	20.6	22.2	22.5	22.1	23.8	22.5	24.1	24.4
	3H	21.4	22.9	21.8	23.2	23.6	23.2	24.6	23.5	25.0	25.3
	4H	22.1	23.5	22.5	23.9	24.2	23.5	24.9	23.9	25.2	25.6
	6H	22.9	24.2	23.3	24.5	24.9	23.8	25.0	24.2	25.4	25.8
	8H	23.3	24.5	23.7	24.9	25.3	23.9	25.1	24.3	25.4	25.8
	12H	23.7	24.8	24.1	25.2	25.6	23.9	25.0	24.3	25.4	25.8
4H	2H	21.1	22.5	21.5	22.8	23.2	22.6	24.0	23.0	24.3	24.7
	3H	22.5	23.6	22.9	24.0	24.4	23.9	25.0	24.3	25.4	25.8
	4H	23.3	24.3	23.7	24.7	25.2	24.4	25.4	24.8	25.8	26.3
	6H	24.2	25.1	24.6	25.5	26.0	24.7	25.6	25.2	26.1	26.5
	8H	24.6	25.5	25.1	25.9	26.4	24.8	25.7	25.3	26.1	26.6
	12H	25.1	25.9	25.6	26.3	26.8	24.9	25.7	25.4	26.1	26.6
8H	4H	23.7	24.5	24.1	25.0	25.4	24.6	25.5	25.1	25.9	26.4
	6H	24.8	25.5	25.2	25.9	26.4	25.2	25.9	25.6	26.3	26.8
	8H	25.3	26.0	25.8	26.5	27.0	25.4	26.0	25.9	26.5	27.0
	12H	26.0	26.5	26.5	27.0	27.6	25.5	26.1	26.0	26.6	27.1
12H	4H	23.8	24.5	24.2	25.0	25.5	24.7	25.5	25.2	25.9	26.4
	6H	24.9	25.5	25.4	26.0	26.5	25.3	25.9	25.8	26.4	26.9
	8H	25.5	26.1	26.1	26.6	27.1	25.5	26.1	26.1	26.6	27.1

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°		14039.9	14777.3	16924.8	20208.8	22457.9	21672.8	21066.5	
50°		11972.8	12561.7	14290.8	17112.4	19673.4	20171.1	20117.8	
55°		10371.8	10905.4	12540.5	14941.5	17086.2	17930.4	18625.2	
60°		9214.8	9627.2	11041.9	13373.7	14960.9	15481.5	16512.7	
65°		8666.4	8943.6	9928.7	12008.4	13296.8	13249.1	14158.4	
70°		8651.0	8797.1	9265.2	10802.5	11916.2	11322.7	12016.6	
75°		8990.1	9027.5	9049.2	9877.1	10610.6	9616.9	10110.1	
80°		9521.6	9472.1	9264.9	9329.2	9477.9	8264.5	8387.1	
85°		10278.9	10223.2	9944.4	9578.4	8974.9	7350.6	6972.1	

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Family
Licross® Protected

Order number: 51TS127N475F
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LP number
58522_17

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

