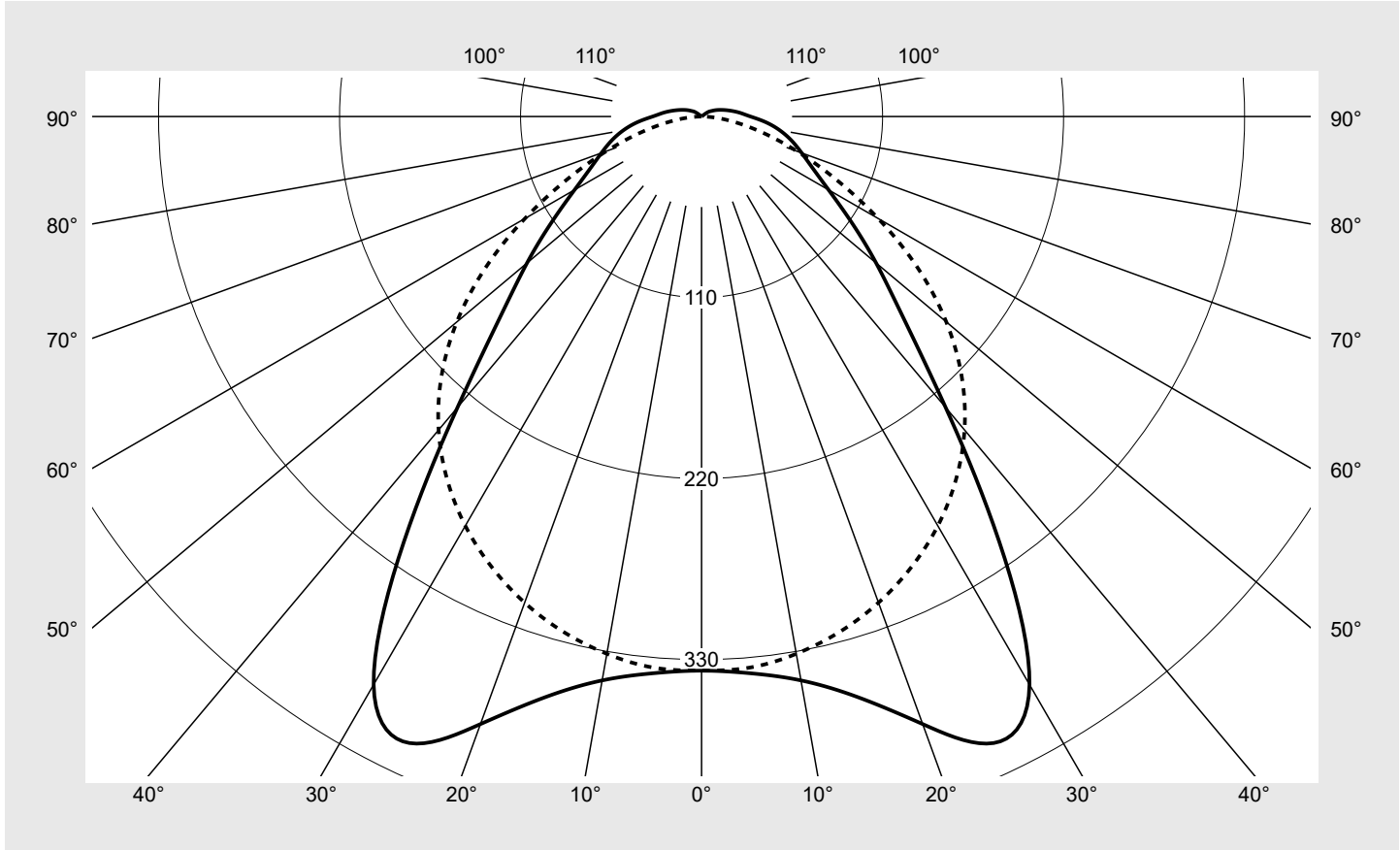


Photometric test report

Family Licross® 11 Protected	Order number: 51TD1B7N48XG EAN: 4058352928967	LP number 58522_255
Version	prismatic cover, frosted, wide distribution	serial documentation 11.10.2023
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG	
Rated values	Net luminous flux = 8190 lm Power consumption = 48.6 W Luminous efficacy = 168.5 lm/W	



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® 11 Protected	Order number: 51TD1B7N48XG EAN: 4058352928967	LP number 58522_255
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

Photometric test report

Family Licross® 11 Protected	Order number: 51TD1B7N48XG EAN: 4058352928967	LP number 58522_255
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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	20.5	22.1	20.8	22.4	22.7	22.4	24.0	22.7	24.3	24.6
	3H	21.6	23.1	22.0	23.5	23.8	23.4	24.8	23.7	25.2	25.5
	4H	22.3	23.7	22.7	24.1	24.4	23.7	25.1	24.1	25.5	25.8
	6H	23.1	24.4	23.5	24.7	25.1	24.0	25.2	24.4	25.6	26.0
	8H	23.5	24.7	23.9	25.1	25.5	24.1	25.3	24.5	25.7	26.1
	12H	23.9	25.0	24.3	25.4	25.8	24.1	25.3	24.6	25.6	26.1
4H	2H	21.3	22.7	21.7	23.1	23.4	22.8	24.2	23.2	24.5	24.9
	3H	22.7	23.8	23.1	24.2	24.6	24.1	25.3	24.5	25.6	26.0
	4H	23.5	24.5	23.9	25.0	25.4	24.6	25.6	25.0	26.0	26.5
	6H	24.4	25.3	24.8	25.7	26.2	24.9	25.9	25.4	26.3	26.7
	8H	24.9	25.7	25.3	26.2	26.6	25.1	25.9	25.5	26.4	26.8
	12H	25.3	26.1	25.8	26.6	27.0	25.2	25.9	25.6	26.4	26.9
8H	4H	23.9	24.8	24.4	25.2	25.7	24.8	25.7	25.3	26.1	26.6
	6H	25.0	25.7	25.5	26.2	26.7	25.4	26.1	25.9	26.6	27.1
	8H	25.6	26.2	26.1	26.7	27.2	25.6	26.2	26.1	26.7	27.2
	12H	26.2	26.7	26.7	27.2	27.8	25.7	26.3	26.3	26.8	27.3
12H	4H	24.0	24.7	24.5	25.2	25.7	24.9	25.7	25.4	26.1	26.6
	6H	25.1	25.7	25.6	26.2	26.7	25.5	26.1	26.0	26.6	27.1
	8H	25.8	26.3	26.3	26.8	27.3	25.8	26.3	26.3	26.8	27.3

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°	14952.8	15738.1	18025.3	21522.8	23918.1	23082.0	22436.2	
	50°	12751.3	13378.4	15220.0	18225.1	20952.5	21482.6	21425.8	
	55°	11046.2	11614.4	13355.8	15913.0	18197.1	19096.2	19836.2	
	60°	9813.9	10253.1	11759.9	14243.2	15933.7	16488.1	17586.4	
	65°	9229.9	9525.1	10574.2	12789.2	14161.3	14110.6	15079.0	
	70°	9213.5	9369.1	9867.6	11504.9	12690.9	12058.9	12797.9	
	75°	9574.7	9614.5	9637.5	10519.3	11300.5	10242.2	10767.5	
	80°	10140.7	10088.0	9867.3	9935.8	10094.1	8801.9	8932.4	
	85°	10947.3	10887.9	10591.0	10201.2	9558.4	7828.5	7425.4	

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

