

Photometric test report

Family
Licross® Protected

Order number: 51TS12CN475FD
EAN: 4058352418581

LP number
58522_40



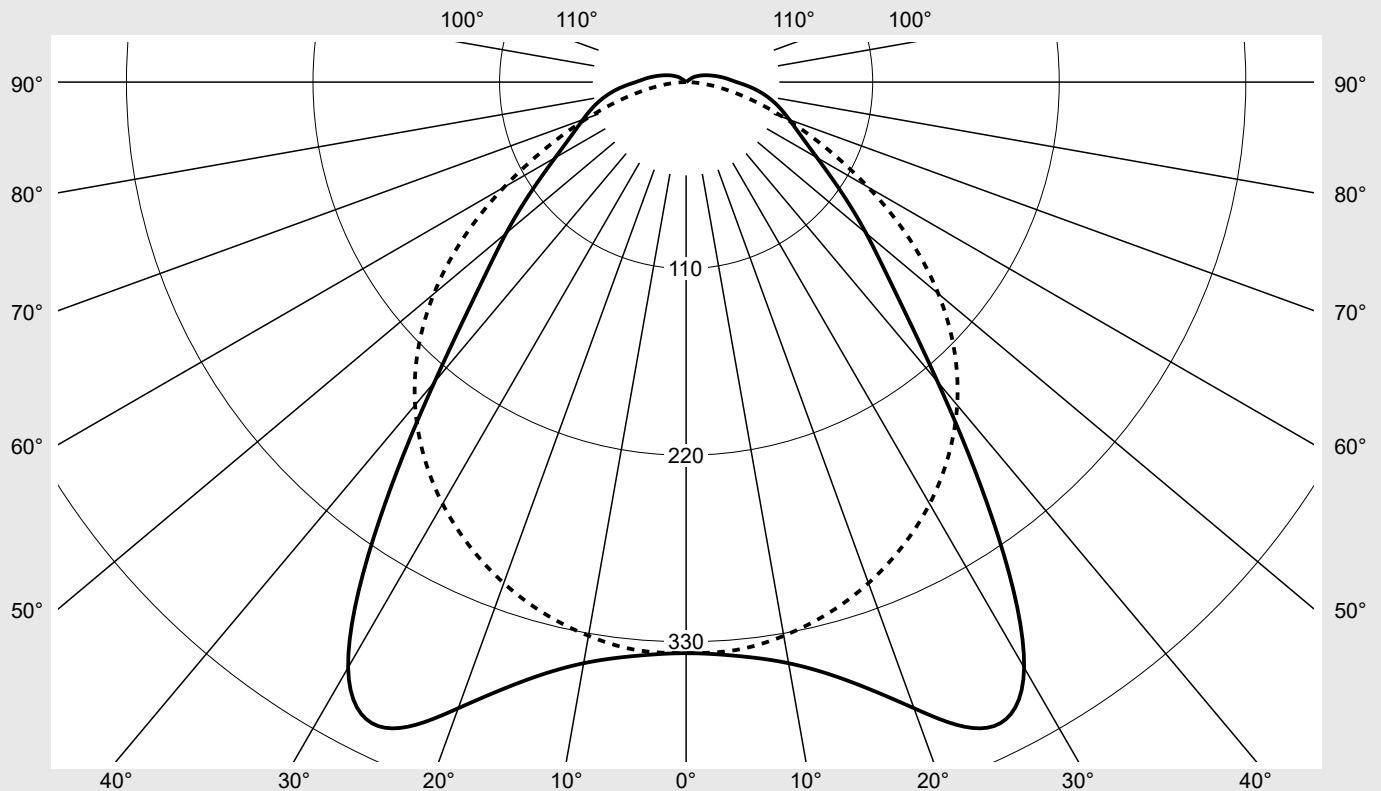
Version	prismatic cover, frosted, wide distribution
Lamps	LED 4000 K CRI ≥ 80
Controlgear	ECG-Multilumen CLOi
Setting	AC-mode
Rated values	Net luminous flux = 7680 lm Power consumption = 49.0 W Luminous efficacy = 156.7 lm/W

serial
documentation
26.08.2020

siteco

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

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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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UGR-Table		Standard room									
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	23.1	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	25.0	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	22.4	23.6	22.9	24.0	24.4	23.8	25.0	24.3	25.4	25.8
	4H	23.3	24.3	23.7	24.7	25.2	24.3	25.4	24.8	25.8	26.2
	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	23.7	24.5	24.2	25.0	25.4	24.7	25.4	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	26.0	26.6	27.1	25.5	26.1	26.0	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	0°	15°	30°	45°	60°	75°	90°
		180°	165°	150°	135°	120°	105°	270°
		195°	210°	225°	240°	255°	285°	
		345°	330°	315°	300°			
		Luminance in cd/m ²						
45°		14021.7	14758.1	16902.8	20182.6	22428.7	21644.6	21039.1
50°		11957.3	12545.3	14272.2	17090.2	19647.8	20144.9	20091.6
55°		10358.3	10891.2	12524.2	14922.1	17064.0	17907.1	18601.0
60°		9202.8	9614.6	11027.6	13356.3	14941.5	15461.4	16491.2
65°		8655.1	8932.0	9915.8	11992.8	13279.5	13231.9	14140.0
70°		8639.8	8785.7	9253.1	10788.5	11900.7	11308.0	12001.0
75°		8978.5	9015.8	9037.4	9864.2	10596.8	9604.4	10097.0
80°		9509.2	9459.8	9252.8	9317.1	9465.6	8253.8	8376.1
85°		10265.6	10209.9	9931.5	9565.9	8963.2	7341.0	6963.0

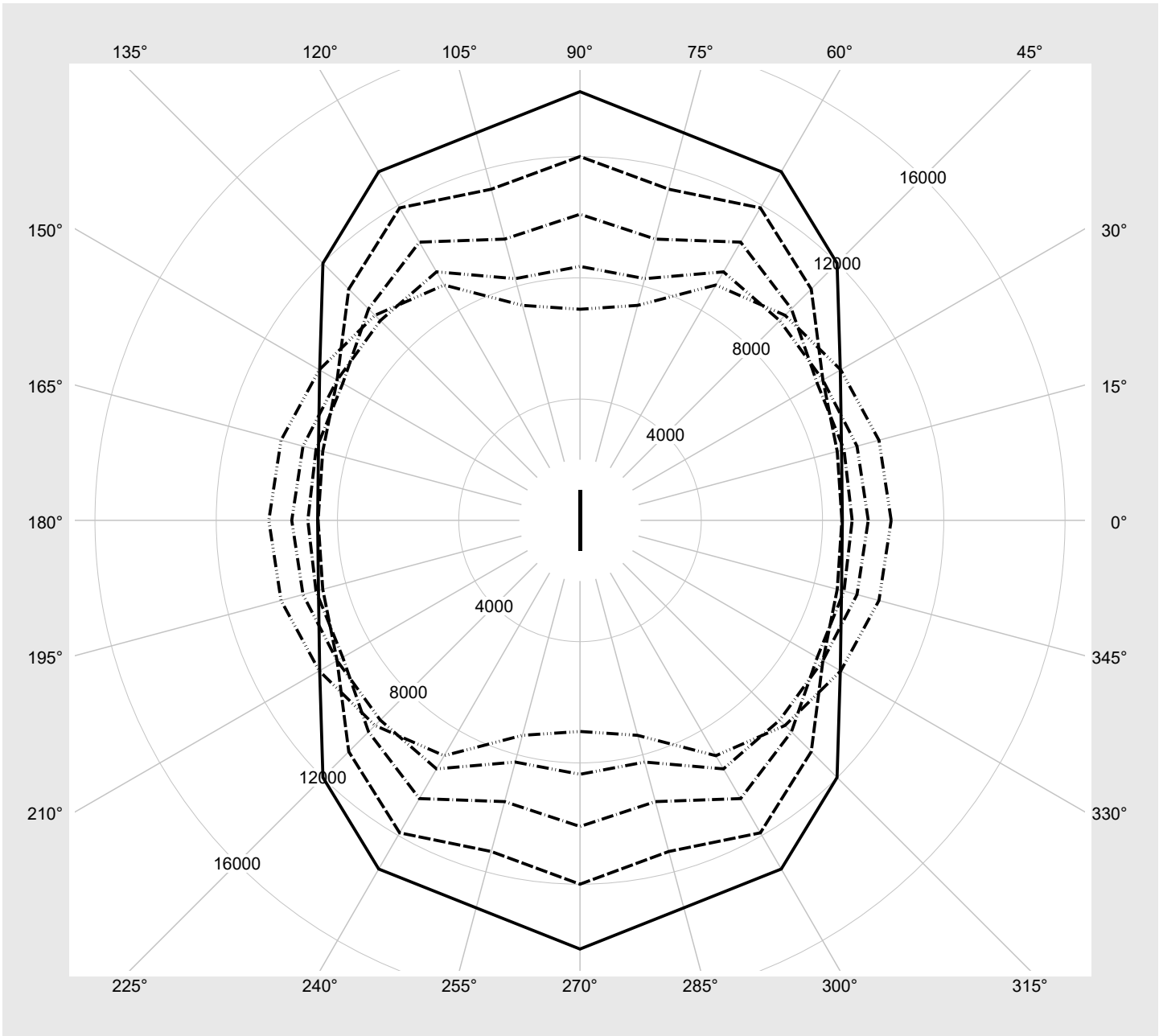
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			end of lifetime [W]	average [W]
1	A	C	E	7680	49.0	54.4	51.7
2	A	C	F	7090	44.9	49.8	47.3
3	A	D	E	6640	41.8	46.2	44.0
4	A	D	F	6110	38.2	42.1	40.2
5	B	C	E	5550	34.7	38.2	36.4
6	B	C	F	5220	32.5	35.5	34.0
7	B	D	E	4740	29.5	32.0	30.8
8	B	D	F	4260	26.5	29.0	27.8