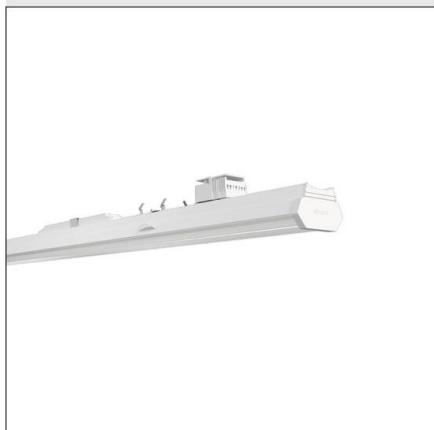


Photometric test report

Family
Licross® 21 Protected

Order number: 52TD1BCN485G
EAN: 4058352903254

LP number
58522_233



Version prismatic cover, frosted, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-Multilumen CLOi
Rated values Net luminous flux = 8570 lm
 Power consumption = 50.4 W
 Luminous efficacy = 170 lm/W

serial
documentation
17.08.2023

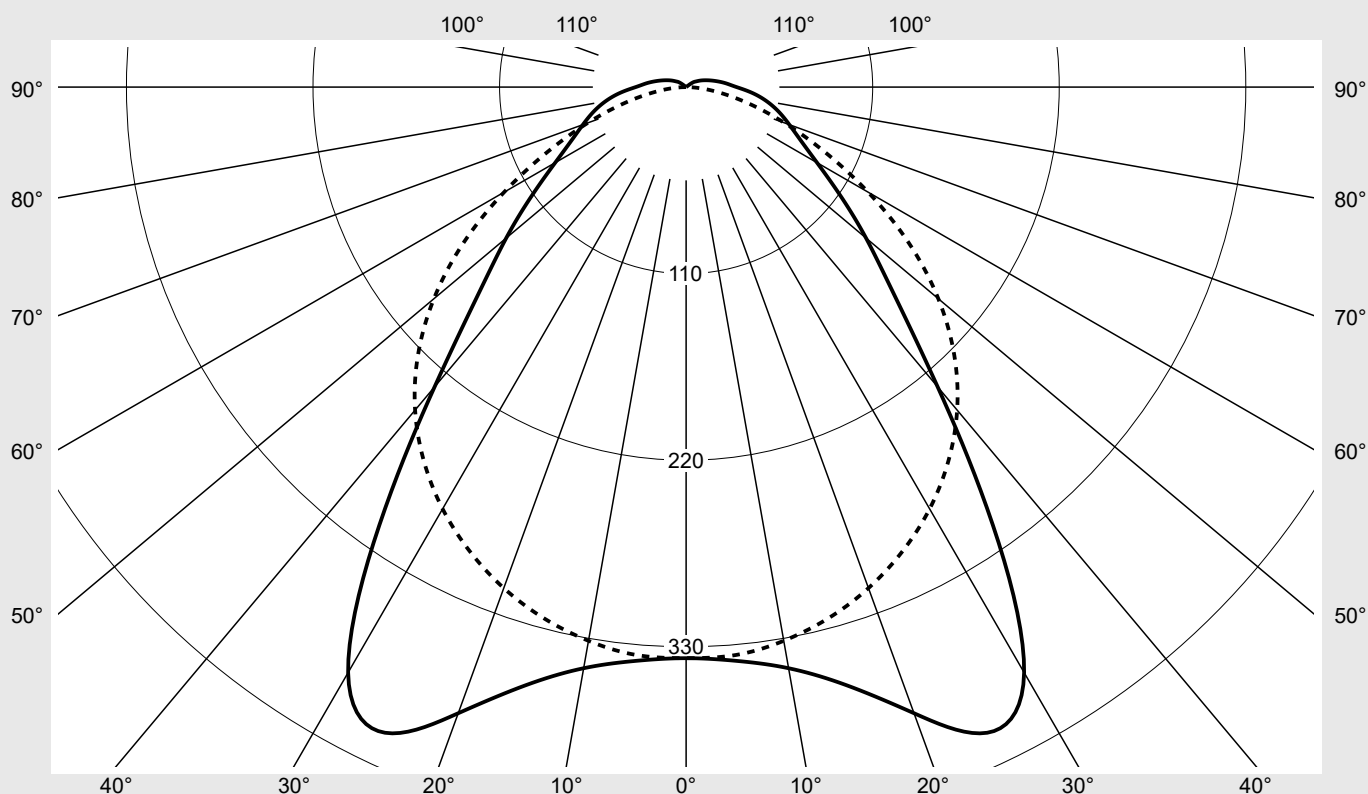
siteco

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

Photometric test report

Family Licross® 21 Protected	Order number: 52TD1BCN485G EAN: 4058352903254	LP number 58522_233
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	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® 21 Protected	Order number: 52TD1BCN485G EAN: 4058352903254	LP number 58522_233
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UGR-Table		Standard room							siTeco		
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	22.3	21.0	22.6	22.9	22.5	24.1	22.9	24.5	24.8
	3H	21.8	23.3	22.2	23.6	24.0	23.5	25.0	23.9	25.3	25.7
	4H	22.5	23.9	22.9	24.2	24.6	23.9	25.3	24.3	25.6	26.0
	6H	23.2	24.5	23.7	24.9	25.3	24.1	25.4	24.5	25.8	26.2
	8H	23.7	24.9	24.1	25.2	25.6	24.2	25.4	24.7	25.8	26.2
	12H	24.1	25.2	24.5	25.6	26.0	24.3	25.4	24.7	25.8	26.2
4H	2H	21.5	22.9	21.9	23.2	23.6	23.0	24.3	23.3	24.7	25.1
	3H	22.8	24.0	23.3	24.4	24.8	24.2	25.4	24.7	25.8	26.2
	4H	23.6	24.7	24.1	25.1	25.5	24.7	25.8	25.2	26.2	26.6
	6H	24.5	25.5	25.0	25.9	26.4	25.1	26.0	25.5	26.4	26.9
	8H	25.0	25.9	25.5	26.3	26.8	25.2	26.1	25.7	26.5	27.0
	12H	25.5	26.3	26.0	26.7	27.2	25.3	26.1	25.8	26.5	27.0
8H	4H	24.1	24.9	24.5	25.4	25.8	25.0	25.9	25.5	26.3	26.8
	6H	25.1	25.9	25.6	26.3	26.8	25.5	26.2	26.0	26.7	27.2
	8H	25.7	26.4	26.2	26.8	27.4	25.7	26.4	26.2	26.9	27.4
	12H	26.4	26.9	26.9	27.4	27.9	25.9	26.4	26.4	26.9	27.5
12H	4H	24.1	24.9	24.6	25.3	25.8	25.1	25.8	25.6	26.3	26.8
	6H	25.3	25.9	25.8	26.4	26.9	25.7	26.3	26.2	26.8	27.3
	8H	25.9	26.5	26.4	27.0	27.5	25.9	26.5	26.4	27.0	27.5

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
C-planes	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
		Luminance in cd/m²						
45°		15646.6	16468.4	18861.6	22521.4	25027.8	24152.9	23477.2
50°		13342.9	13999.1	15926.2	19070.7	21924.7	22479.4	22419.9
55°		11558.7	12153.3	13975.5	16651.3	19041.4	19982.2	20756.6
60°		10269.3	10728.8	12305.5	14904.1	16673.0	17253.1	18402.3
65°		9658.1	9967.0	11064.8	13382.6	14818.4	14765.3	15778.6
70°		9641.0	9803.8	10325.4	12038.7	13279.8	12618.4	13391.7
75°		10018.9	10060.5	10084.7	11007.3	11824.9	10717.4	11267.1
80°		10611.2	10556.1	10325.1	10396.8	10562.5	9210.3	9346.8
85°		11455.2	11393.1	11082.4	10674.5	10001.9	8191.8	7770.0

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Order number: 52TD1BCN485G
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LP number
58522_233

Luminance values in cd/m²

γ 65°

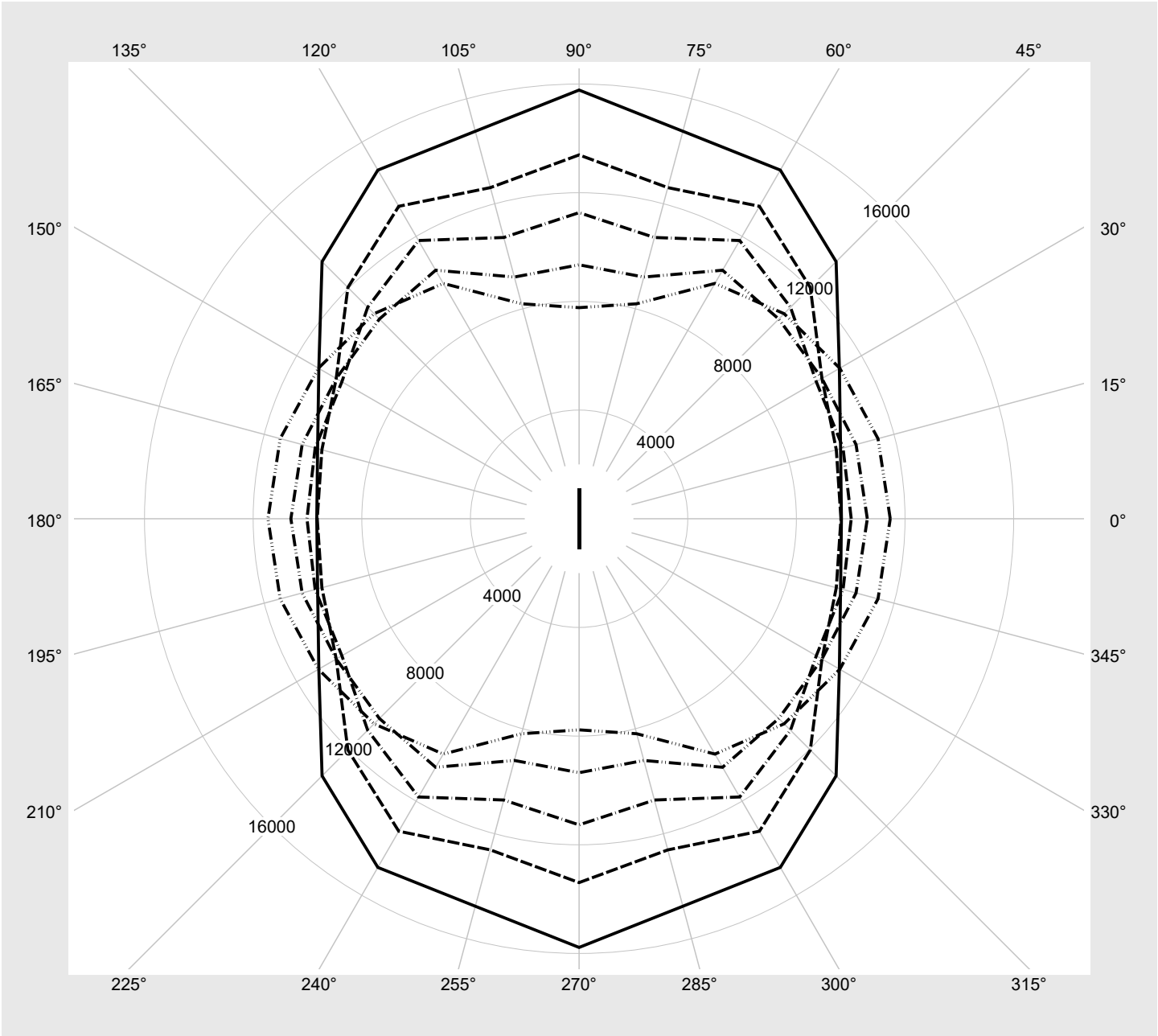
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Licross® 21 Protected	Order number: 52TD1BCN485G EAN: 4058352903254	LP number 58522_233
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
	1	2	3			end of lifetime	average
1	A	C	E	8570	50.4	60.5	55.4
2	A	C	F	8030	47.0	56.1	51.6
3	A	D	E	7540	43.9	52.6	48.2
4	A	D	F	7050	41.0	48.7	44.8
5	B	C	E	6630	38.4	45.6	42.0
6	B	C	F	6130	35.4	41.7	38.6
7	B	D	E	5700	32.8	38.8	35.8
8	B	D	F	5200	29.9	35.4	32.6