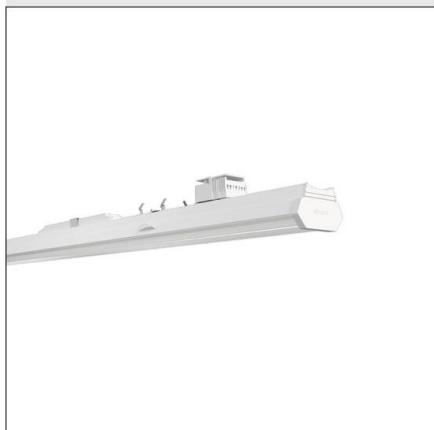


Photometric test report

Family
Licross® 21 Protected

Order number: 52TD1BCN4B5M
EAN: 4058352903261

LP number
58521_156



Version prismatic cover, frosted, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-Multilumen CLOi
Rated values Net luminous flux = 11820 lm
 Power consumption = 68.9 W
 Luminous efficacy = 171.5 lm/W

serial
documentation
17.08.2023

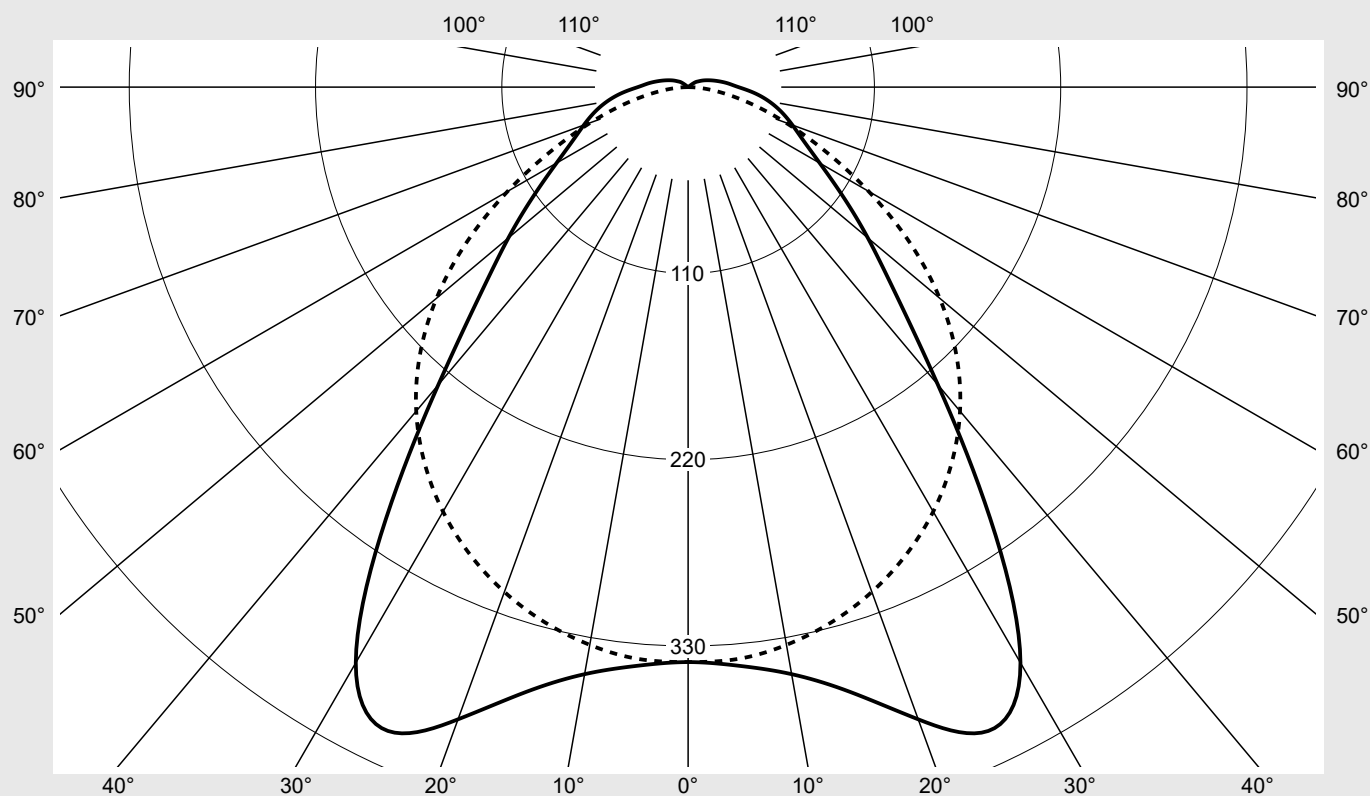
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 419 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: 52TD1BCN4B5M EAN: 4058352903261	LP number 58521_156
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°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	2.0	2.0
5°	343.0	342.0	339.2	339.3	339.7	338.8	338.9	16.2	18.3
10°	352.0	350.9	345.1	341.6	338.4	335.1	334.4	32.6	50.9
15°	369.7	367.9	356.8	346.8	337.2	329.4	327.1	49.3	100.2
20°	397.2	393.9	374.9	354.6	335.9	321.8	317.2	66.8	167.0
25°	419.5	416.9	395.3	365.3	334.4	312.1	304.6	84.4	251.4
30°	392.5	397.1	392.3	370.7	332.1	300.1	289.4	97.4	348.9
35°	311.0	322.2	341.8	350.7	323.8	285.3	271.2	100.3	449.2
40°	229.5	240.6	267.7	298.9	299.5	266.8	249.8	94.7	543.9
45°	174.0	182.0	204.5	237.4	256.3	239.9	224.1	85.2	629.1
50°	138.5	144.4	161.2	187.1	207.0	203.8	193.9	74.9	704.0
55°	110.9	115.6	129.9	149.5	163.4	162.9	159.6	64.1	768.1
60°	89.8	92.9	103.5	120.2	127.5	124.1	123.1	53.4	821.5
65°	75.3	77.0	82.7	94.9	98.6	91.3	89.2	43.6	865.1
70°	65.6	65.8	66.8	73.1	74.5	64.6	61.3	35.1	900.1
75°	57.2	56.6	54.5	55.3	53.6	43.2	39.2	27.5	927.6
80°	48.6	47.5	44.1	40.6	36.2	26.8	21.9	20.7	948.4
85°	39.1	38.1	34.6	29.4	22.8	14.4	9.2	14.9	963.2
90°	29.7	28.9	25.8	20.2	13.1	5.9	0.8	10.0	973.2
95°	24.0	23.5	21.5	16.6	10.0	3.6	0.7	8.0	981.2
100°	19.1	18.8	17.3	13.3	7.4	1.9	0.7	6.2	987.3
105°	15.1	14.8	13.5	10.2	5.0	0.8	0.6	4.6	991.9
110°	11.8	11.4	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.1	8.6	7.4	4.7	1.4	0.7	0.7	2.3	997.5
120°	6.7	6.2	4.9	2.7	0.8	0.7	0.8	1.5	999.1
125°	4.5	4.0	2.9	1.3	0.8	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: 52TD1BCN4B5M EAN: 4058352903261	LP number 58521_156
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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	21.7	23.4	22.1	23.7	24.0	23.6	25.2	24.0	25.5	25.9
	3H	22.9	24.4	23.3	24.7	25.1	24.6	26.1	25.0	26.4	26.8
	4H	23.6	25.0	24.0	25.4	25.7	25.0	26.3	25.4	26.7	27.1
	6H	24.4	25.7	24.8	26.0	26.4	25.2	26.5	25.6	26.9	27.3
	8H	24.8	26.0	25.2	26.4	26.8	25.3	26.5	25.8	26.9	27.3
	12H	25.2	26.3	25.6	26.7	27.1	25.4	26.5	25.8	26.9	27.3
4H	2H	22.6	24.0	23.0	24.3	24.7	24.0	25.4	24.4	25.8	26.1
	3H	24.0	25.1	24.4	25.5	25.9	25.3	26.5	25.7	26.9	27.3
	4H	24.8	25.8	25.2	26.2	26.7	25.8	26.9	26.2	27.3	27.7
	6H	25.7	26.6	26.1	27.0	27.5	26.2	27.1	26.6	27.5	28.0
	8H	26.2	27.0	26.6	27.5	27.9	26.3	27.2	26.8	27.6	28.1
	12H	26.6	27.4	27.1	27.9	28.3	26.4	27.2	26.9	27.6	28.1
8H	4H	25.2	26.0	25.7	26.5	27.0	26.1	26.9	26.6	27.4	27.9
	6H	26.3	27.0	26.8	27.5	28.0	26.6	27.3	27.1	27.8	28.3
	8H	26.9	27.5	27.4	28.0	28.5	26.8	27.5	27.3	27.9	28.5
	12H	27.5	28.0	28.0	28.5	29.1	27.0	27.5	27.5	28.0	28.6
12H	4H	25.3	26.0	25.7	26.5	27.0	26.2	26.9	26.6	27.4	27.9
	6H	26.4	27.0	26.9	27.5	28.0	26.7	27.4	27.2	27.8	28.4
	8H	27.1	27.6	27.6	28.1	28.6	27.0	27.5	27.5	28.0	28.6

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	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						
γ								
45°	21595.6	22694.3	25882.0	30752.9	34261.3	33299.0	32445.9	
50°	18411.6	19301.7	21913.9	26126.6	29996.5	30878.4	30886.5	
55°	15985.5	16776.7	19227.4	22839.8	26062.6	27397.0	28483.7	
60°	14265.1	14875.2	16958.5	20435.9	22818.4	23655.0	25201.5	
65°	13446.1	13859.2	15297.0	18347.0	20267.7	20241.6	21604.8	
70°	13460.4	13656.0	14318.8	16536.0	18147.5	17300.6	18365.5	
75°	13949.9	13994.7	14006.5	15186.0	16185.8	14720.1	15516.5	
80°	14717.7	14639.7	14302.9	14358.7	14512.0	12687.9	12938.0	
85°	15812.3	15741.8	15324.7	14722.1	13738.4	11329.8	10834.0	

Photometric test report

Family
Licross® 21 Protected

Order number: 52TD1BCN4B5M
EAN: 4058352903261

LP number
58521_156

Luminance values in cd/m²

γ 65°

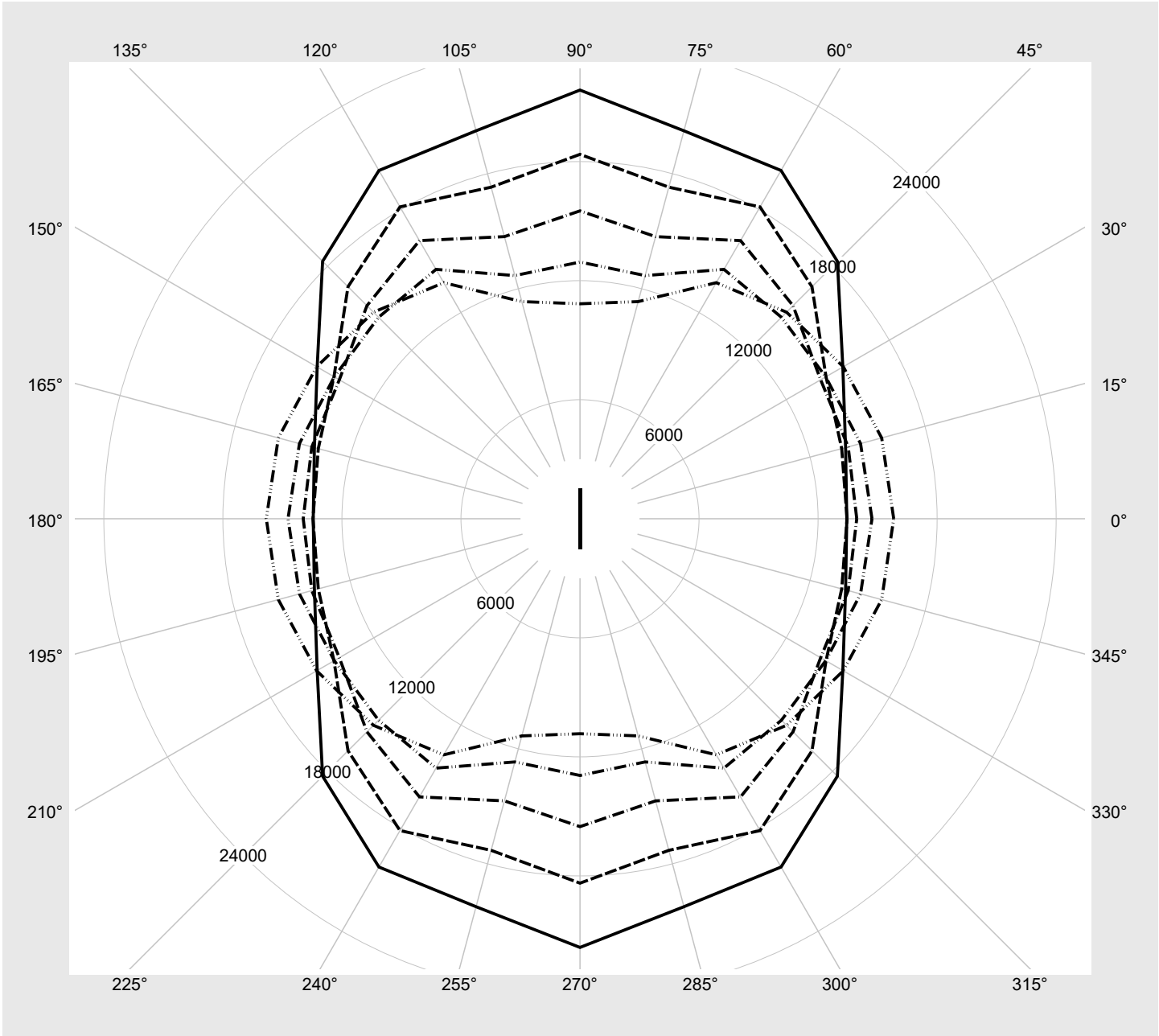
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Licross® 21 Protected	Order number: 52TD1BCN4B5M EAN: 4058352903261	LP number 58521_156
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	11820	68.9	83.2	76.1
2	A	C	F	11410	66.3	80.2	73.2
3	A	D	E	10450	60.3	72.4	66.4
4	A	D	F	9460	54.3	65.0	59.6
5	B	C	E	8540	48.8	58.1	53.4
6	B	C	F	7620	43.3	51.8	47.6
7	B	D	E	6670	37.9	45.0	41.4
8	B	D	F	5720	32.5	38.3	35.4