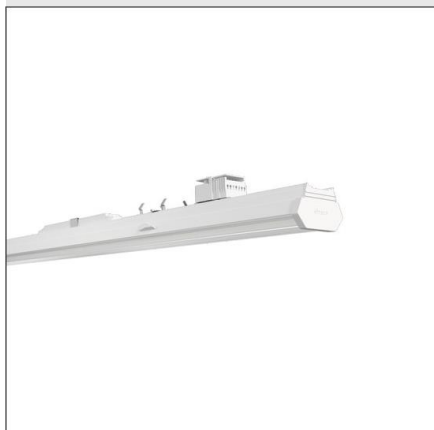


Photometric test report

Family
Licross® 11 Protected

Order number: 51TD1BMN4FXM
EAN: 4058352929001

LP number
58521_174



Version prismatic cover, frosted, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 15020 lm
 Power consumption = 87.4 W
 Luminous efficacy = 171.9 lm/W

serial
documentation
11.10.2023

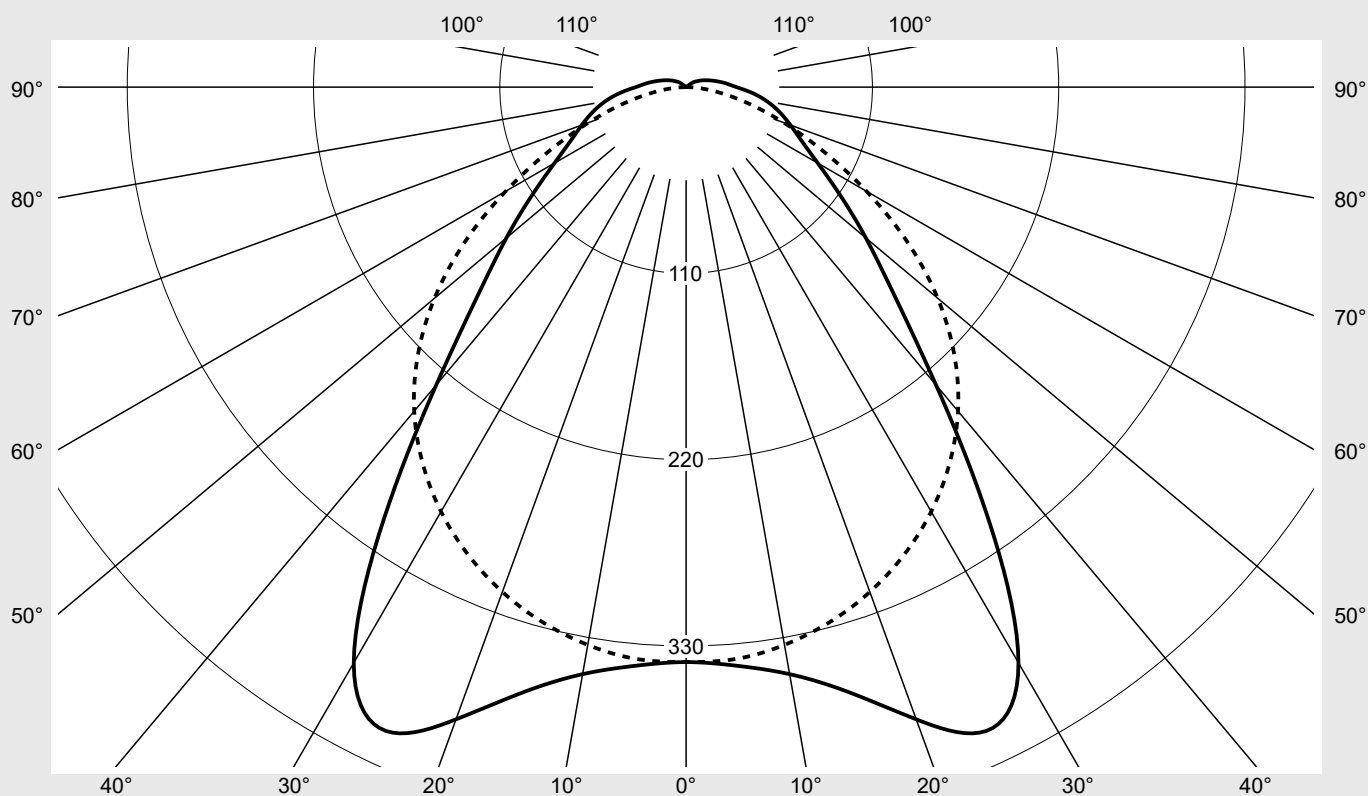
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Luminous intensity in cd/klm

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® 11 Protected	Order number: 51TD1BMN4FXM EAN: 4058352929001	LP number 58521_174
Table of values for luminous intensities		Maximum luminous intensity

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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® 11 Protected	Order number: 51TD1BMN4FXM EAN: 4058352929001	LP number 58521_174
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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	22.6	24.2	22.9	24.5	24.8	24.4	26.1	24.8	26.4	26.7
	3H	23.8	25.2	24.1	25.6	25.9	25.4	26.9	25.8	27.2	27.6
	4H	24.5	25.9	24.9	26.2	26.6	25.8	27.2	26.2	27.5	27.9
	6H	25.2	26.5	25.6	26.9	27.3	26.1	27.3	26.5	27.7	28.1
	8H	25.6	26.8	26.1	27.2	27.6	26.2	27.3	26.6	27.7	28.1
	12H	26.0	27.2	26.5	27.6	28.0	26.2	27.3	26.6	27.7	28.1
4H	2H	23.4	24.8	23.8	25.1	25.5	24.9	26.3	25.3	26.6	27.0
	3H	24.8	26.0	25.2	26.3	26.8	26.1	27.3	26.6	27.7	28.1
	4H	25.6	26.7	26.0	27.1	27.5	26.6	27.7	27.1	28.1	28.5
	6H	26.5	27.5	27.0	27.9	28.3	27.0	27.9	27.5	28.4	28.8
	8H	27.0	27.8	27.5	28.3	28.8	27.1	28.0	27.6	28.4	28.9
	12H	27.5	28.2	28.0	28.7	29.2	27.2	28.0	27.7	28.4	28.9
8H	4H	26.0	26.9	26.5	27.3	27.8	26.9	27.8	27.4	28.2	28.7
	6H	27.1	27.8	27.6	28.3	28.8	27.5	28.2	27.9	28.6	29.1
	8H	27.7	28.3	28.2	28.8	29.3	27.7	28.3	28.2	28.8	29.3
	12H	28.3	28.9	28.9	29.4	29.9	27.8	28.4	28.3	28.9	29.4
12H	4H	26.1	26.8	26.6	27.3	27.8	27.0	27.7	27.5	28.2	28.7
	6H	27.2	27.9	27.7	28.3	28.9	27.6	28.2	28.1	28.7	29.2
	8H	27.9	28.4	28.4	28.9	29.5	27.8	28.4	28.4	28.9	29.4

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°	27442.2	28838.3	32889.0	39078.5	43536.7	42313.9	41229.9	
50°	23396.1	24527.3	27846.6	33199.7	38117.3	39238.0	39248.4	
55°	20313.3	21318.7	24432.7	29023.2	33118.5	34814.1	36195.0	
60°	18127.0	18902.3	21549.7	25968.5	28995.9	30059.1	32024.2	
65°	17086.3	17611.3	19438.4	23314.0	25754.8	25721.6	27453.9	
70°	17104.5	17353.1	18195.2	21012.8	23060.6	21984.4	23337.5	
75°	17726.5	17783.4	17798.5	19297.3	20567.7	18705.2	19717.3	
80°	18702.2	18603.0	18175.1	18246.0	18440.8	16122.9	16440.7	
85°	20093.1	20003.6	19473.5	18707.7	17457.8	14397.1	13767.1	

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Family Licross® 11 Protected	Order number: 51TD1BMN4FXM EAN: 4058352929001	LP number 58521_174
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Luminance values in cd/m²

γ 65°

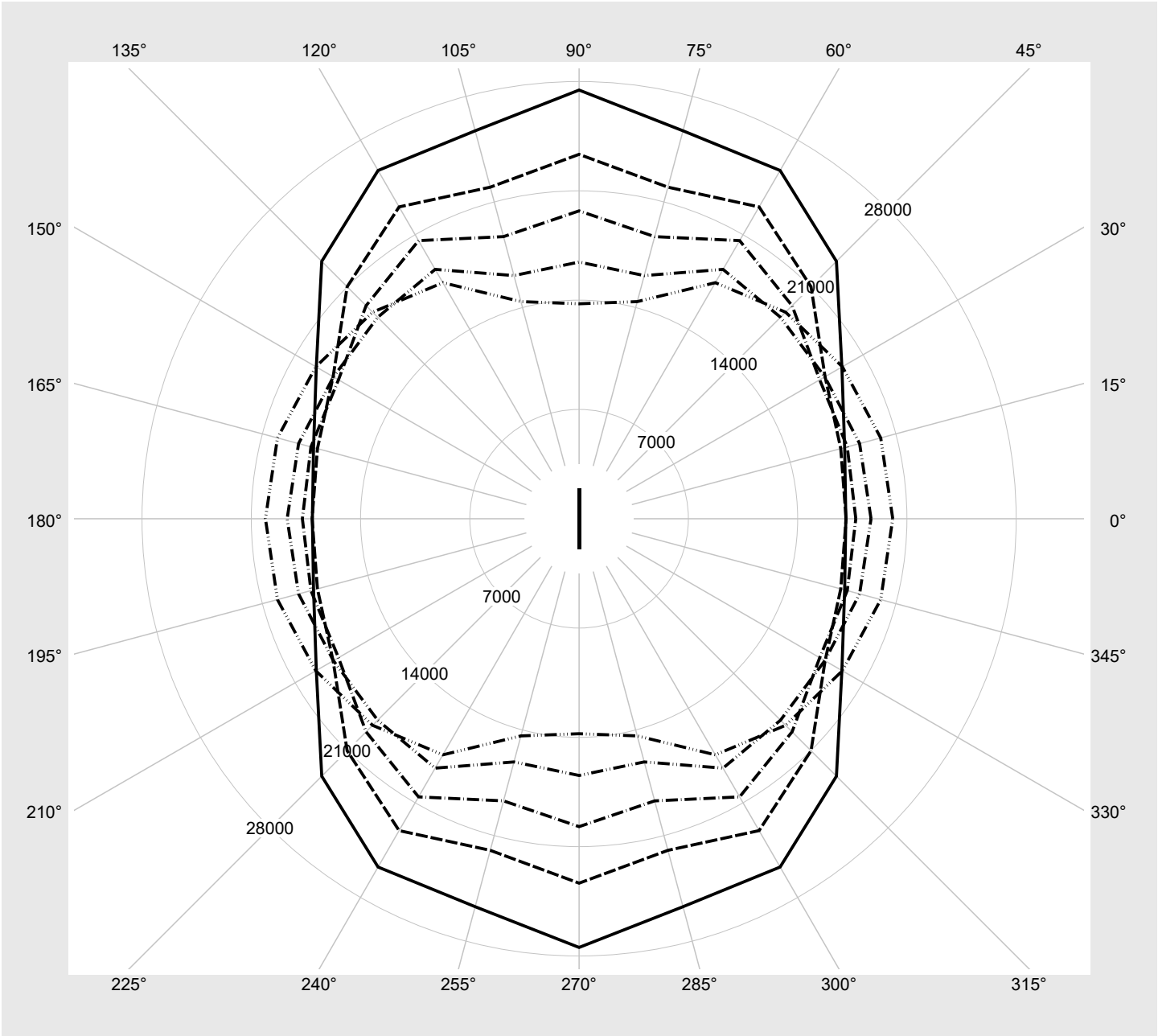
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

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Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	15020	87.4
2	A	C	F	14280	82.6
3	A	D	E	13310	76.2
4	A	D	F	12340	70.1
5	B	C	E	11430	64.3
6	B	C	F	10430	58.3
7	B	D	E	9490	52.6
8	B	D	F	8540	47.0