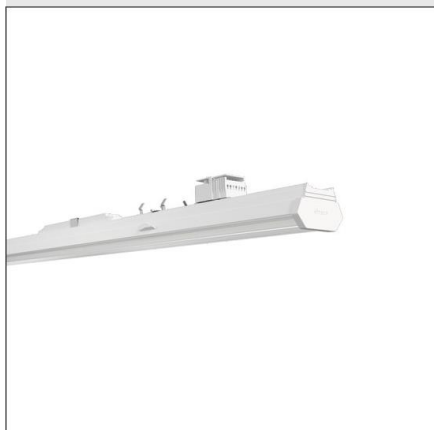


Photometric test report

Family
Licross® 21 Protected

Order number: 52TP12MN4A5G
EAN: 4058352904046

LP number
58524_263



Version prismatic cover, frosted, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 10750 lm
 Power consumption = 60.5 W
 Luminous efficacy = 177.7 lm/W

serial
documentation
24.08.2023

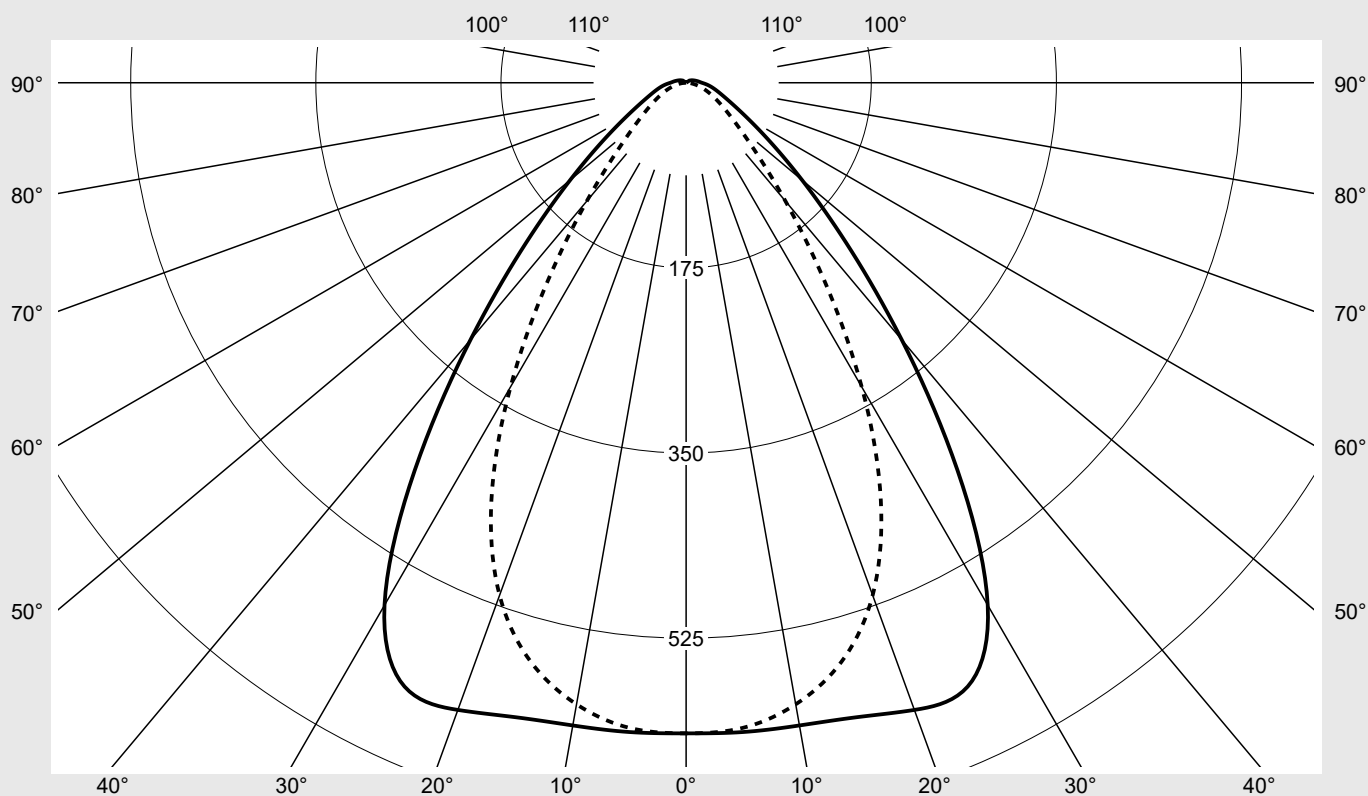
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Luminous intensity in cd/klm

C180-0

C270-90

Imax: 631 cd/klm



Classifications

DIN 5040 A 5 1
 CIE N1=73 N2=92 N3=98
 N4=99 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 98.6%
 ϕ_o 1.4%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 21 Protected	Order number: 52TP12MN4A5G EAN: 4058352904046	LP number 58524_263
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°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	3.7	3.7
5°	616.1	614.1	609.7	611.1	612.9	611.9	612.2	29.3	32.9
10°	616.9	615.1	606.4	602.8	600.3	597.0	596.6	57.6	90.5
15°	620.9	617.8	600.9	587.5	576.7	568.6	566.8	83.8	174.3
20°	630.8	623.5	591.7	561.2	536.7	520.1	515.5	106.4	280.7
25°	629.8	620.7	576.3	523.2	476.9	445.6	435.5	122.6	403.3
30°	570.2	568.9	534.3	469.6	398.0	348.4	331.9	126.5	529.9
35°	447.2	456.9	450.2	394.1	307.5	246.5	227.0	114.9	644.8
40°	317.0	331.0	344.1	303.2	220.2	163.1	146.0	93.6	738.3
45°	213.9	226.3	244.1	214.7	147.7	105.6	94.0	70.6	808.9
50°	143.1	152.0	166.9	144.8	97.7	70.8	64.1	51.5	860.4
55°	96.6	102.1	111.9	95.1	64.8	49.7	46.3	37.0	897.4
60°	67.0	69.6	74.2	63.4	44.8	36.0	34.5	26.8	924.2
65°	49.0	49.5	50.0	42.8	32.0	26.6	25.7	19.7	943.9
70°	37.9	37.0	34.4	29.4	23.3	19.5	18.8	14.8	958.7
75°	30.5	28.7	24.6	20.4	16.6	13.6	12.7	11.1	969.8
80°	24.8	22.7	18.1	14.1	11.2	8.8	7.6	8.2	978.0
85°	19.7	17.8	13.4	9.8	7.1	4.8	3.4	5.9	983.8
90°	14.9	13.4	9.7	6.4	4.0	1.9	0.4	3.9	987.8
95°	12.2	11.1	8.2	5.4	3.1	1.2	0.3	3.2	991.0
100°	10.0	9.2	6.9	4.5	2.4	0.7	0.3	2.6	993.6
105°	8.2	7.6	5.7	3.6	1.7	0.4	0.3	2.1	995.6
110°	6.8	6.2	4.6	2.7	1.1	0.3	0.3	1.6	997.2
115°	5.5	5.0	3.7	2.0	0.7	0.4	0.4	1.2	998.4
120°	4.3	3.8	2.7	1.4	0.6	0.5	0.5	0.9	999.3
125°	3.1	2.7	1.8	0.9	0.6	0.6	0.6	0.6	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: 52TP12MN4A5G EAN: 4058352904046	LP number 58524_263
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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	21.5	23.0	21.9	23.3	23.6	18.3	19.7	18.6	20.0	20.3
	3H	21.9	23.2	22.3	23.5	23.9	18.6	19.9	19.0	20.2	20.6
	4H	22.2	23.3	22.6	23.7	24.1	18.8	20.0	19.2	20.3	20.7
	6H	22.5	23.5	22.9	23.9	24.3	18.9	20.0	19.3	20.4	20.8
	8H	22.7	23.6	23.1	24.0	24.4	19.0	20.0	19.4	20.4	20.8
	12H	22.9	23.7	23.3	24.1	24.5	19.0	20.0	19.4	20.3	20.8
4H	2H	21.6	22.8	22.0	23.1	23.5	18.8	20.0	19.2	20.3	20.7
	3H	22.1	23.1	22.6	23.5	23.9	19.3	20.2	19.7	20.6	21.0
	4H	22.5	23.3	22.9	23.8	24.2	19.5	20.4	19.9	20.8	21.2
	6H	22.9	23.6	23.3	24.1	24.5	19.7	20.4	20.1	20.9	21.3
	8H	23.1	23.8	23.6	24.2	24.7	19.7	20.5	20.2	20.9	21.4
	12H	23.4	24.0	23.9	24.4	24.9	19.8	20.4	20.3	20.9	21.4
8H	4H	22.5	23.2	22.9	23.6	24.1	19.7	20.4	20.2	20.8	21.3
	6H	23.0	23.5	23.5	24.0	24.5	20.0	20.6	20.5	21.0	21.5
	8H	23.3	23.8	23.8	24.3	24.8	20.1	20.6	20.6	21.1	21.6
	12H	23.7	24.1	24.2	24.6	25.1	20.2	20.6	20.7	21.1	21.7
12H	4H	22.5	23.1	23.0	23.5	24.0	19.8	20.4	20.3	20.8	21.3
	6H	23.0	23.5	23.5	24.0	24.5	20.1	20.6	20.6	21.1	21.6
	8H	23.3	23.7	23.8	24.2	24.8	20.3	20.7	20.8	21.2	21.7

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°	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°	24148.9	25665.5	28091.2	25291.3	17952.2	13334.2	12384.0				
	50°	17291.2	18476.7	20635.7	18399.0	12876.1	9751.9	9280.4				
	55°	12662.6	13472.8	15058.3	13215.1	9402.3	7595.2	7518.1				
	60°	9689.0	10135.2	11058.9	9803.1	7283.7	6245.2	6418.2				
	65°	7960.8	8113.7	8405.4	7520.3	5976.8	5373.6	5662.7				
	70°	7079.3	6991.8	6715.7	6052.4	5152.5	4754.7	5108.1				
	75°	6767.8	6455.9	5742.5	5102.5	4549.4	4216.9	4586.3				
	80°	6841.7	6368.5	5343.9	4533.8	4093.5	3782.5	4077.2				
	85°	7233.5	6684.0	5420.5	4445.4	3911.0	3457.1	3681.9				

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Order number: 52TP12MN4A5G
EAN: 4058352904046

LP number
58524_263

Luminance values in cd/m²

γ 65°

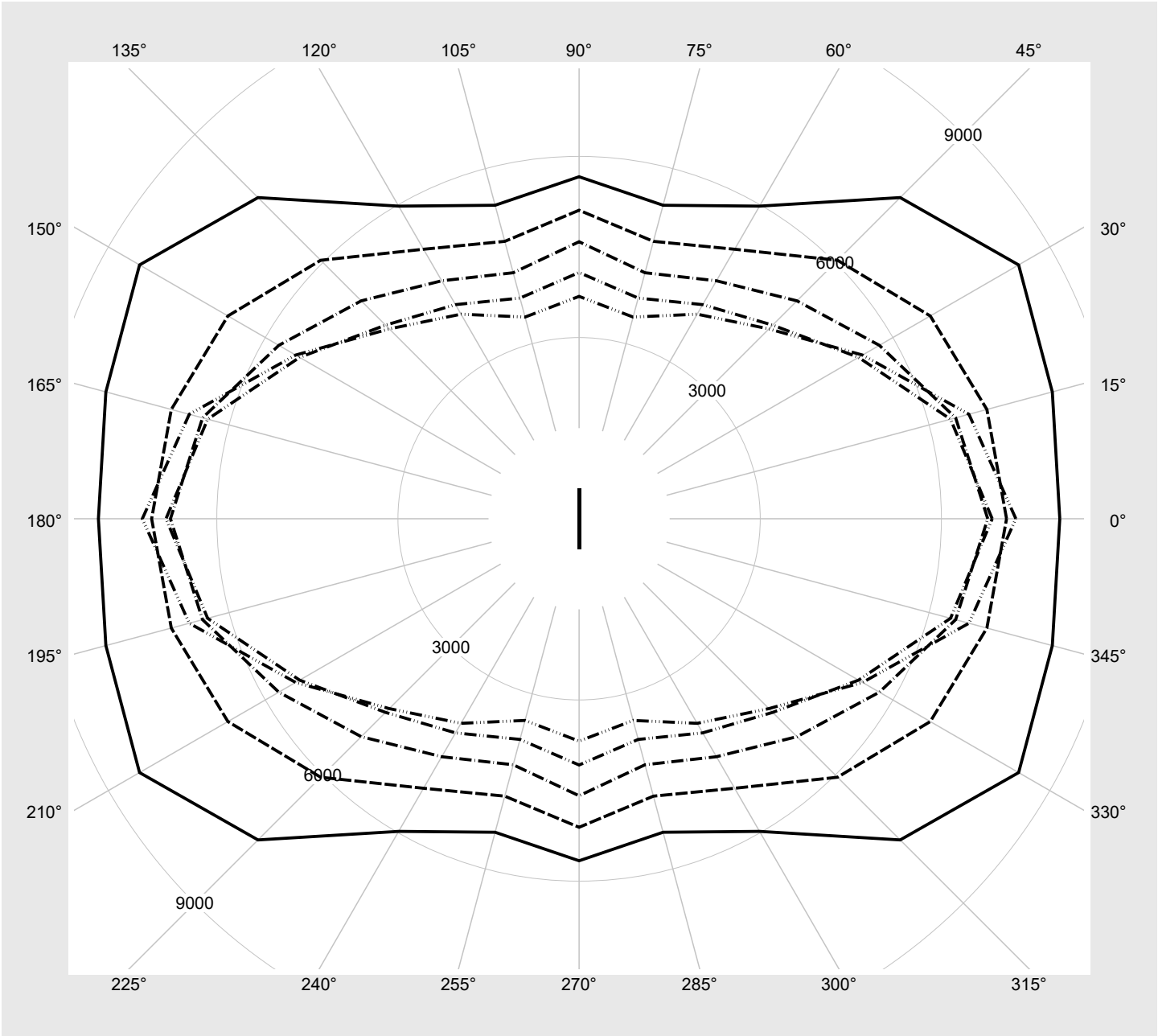
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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	10750	60.5
2	A	C	F	9860	56.1
3	A	D	E	9380	53.1
4	A	D	F	8880	50.0
5	B	C	E	8380	47.0
6	B	C	F	7880	43.9
7	B	D	E	7370	41.0
8	B	D	F	6930	38.4