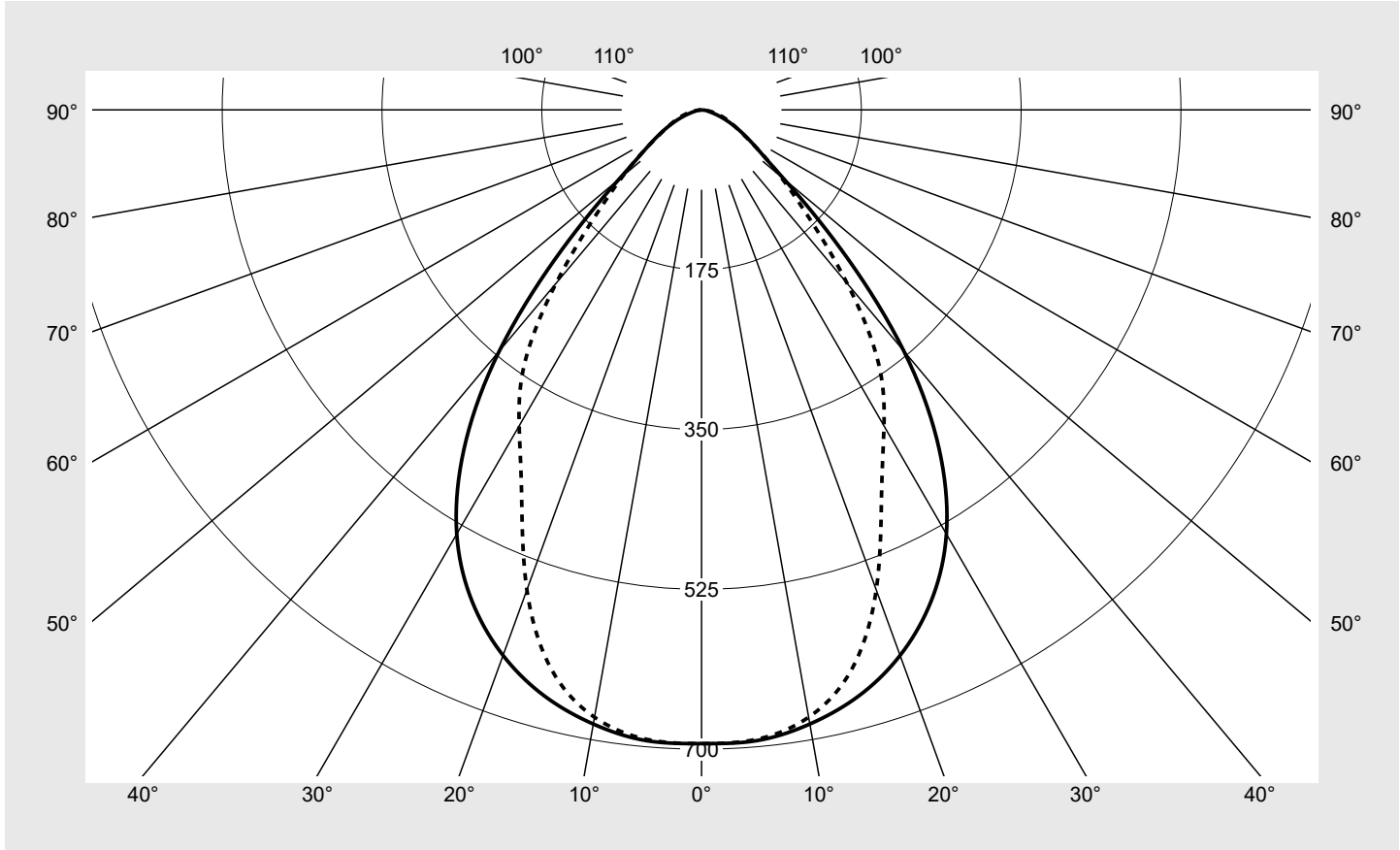


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL18MN4E5M EAN: 4058352891469	LP number 59104_187
	Version cover frosted, medium distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 14940 lm Power consumption = 83.1 W Luminous efficacy = 179.8 lm/W	serial documentation 24.08.2023



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 694 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=75 N2=94 N3=99 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL18MN4E5M EAN: 4058352891469	LP number 59104_187
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°	694.0	694.0	694.0	694.0	694.0	694.0	694.0	4.2	4.2
5°	693.3	691.2	687.0	689.0	691.7	691.4	691.9	33.0	37.1
10°	682.9	681.6	676.2	676.6	677.1	675.1	675.3	64.5	101.6
15°	664.5	663.4	655.7	650.8	644.2	637.0	634.6	92.2	193.9
20°	635.7	634.6	621.8	603.7	582.0	564.8	559.4	112.6	306.5
25°	594.3	592.8	570.2	532.2	493.8	471.5	466.3	123.2	429.7
30°	536.3	532.4	496.5	443.5	408.6	399.3	399.5	125.5	555.2
35°	453.8	445.6	398.8	354.7	341.6	338.2	337.4	119.2	674.4
40°	344.5	330.9	285.8	265.8	259.9	251.4	248.0	99.2	773.7
45°	216.1	203.7	174.1	171.5	169.1	165.7	165.2	69.4	843.1
50°	117.9	113.3	108.5	113.4	112.2	111.3	112.1	47.2	890.2
55°	75.1	72.3	72.7	81.4	80.0	76.7	75.3	34.3	924.5
60°	52.8	51.4	52.2	58.3	58.9	53.9	51.6	25.9	950.4
65°	36.0	35.7	38.4	42.9	44.1	39.6	37.5	19.7	970.1
70°	22.2	22.5	25.4	30.3	32.0	29.3	27.4	14.1	984.2
75°	11.8	12.0	13.9	18.9	21.4	20.1	18.3	8.9	993.1
80°	6.2	6.2	6.9	9.4	11.9	11.6	10.1	4.9	998.0
85°	3.0	2.9	3.0	3.8	4.5	4.6	3.6	2.0	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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 Recessed	Order number: 52TL18MN4E5M EAN: 4058352891469	LP number 59104_187
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UGR-Table	Standard room	siteco
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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	22.9	24.3	23.2	24.6	24.9	22.2	23.6	22.6	23.9	24.3
	3H	23.2	24.4	23.5	24.7	25.1	22.8	24.0	23.2	24.3	24.7
	4H	23.2	24.3	23.6	24.7	25.1	23.0	24.2	23.4	24.5	24.9
	6H	23.2	24.3	23.6	24.6	25.0	23.2	24.2	23.6	24.6	25.0
	8H	23.3	24.2	23.7	24.6	25.0	23.3	24.2	23.7	24.6	25.0
	12H	23.3	24.1	23.7	24.5	24.9	23.3	24.1	23.7	24.5	25.0
4H	2H	23.1	24.2	23.4	24.6	24.9	22.5	23.6	22.9	24.0	24.4
	3H	23.5	24.4	23.9	24.8	25.2	23.2	24.2	23.7	24.6	25.0
	4H	23.5	24.4	24.0	24.8	25.2	23.6	24.4	24.0	24.9	25.3
	6H	23.6	24.3	24.0	24.7	25.2	23.8	24.6	24.3	25.0	25.5
	8H	23.6	24.2	24.1	24.7	25.2	23.9	24.6	24.4	25.0	25.5
	12H	23.6	24.2	24.1	24.6	25.1	24.0	24.5	24.5	25.0	25.5
8H	4H	23.6	24.3	24.1	24.7	25.2	23.7	24.3	24.2	24.8	25.3
	6H	23.7	24.2	24.2	24.7	25.2	24.0	24.6	24.5	25.0	25.5
	8H	23.7	24.2	24.2	24.7	25.2	24.2	24.6	24.7	25.1	25.6
	12H	23.7	24.1	24.3	24.6	25.2	24.2	24.6	24.8	25.1	25.7
12H	4H	23.7	24.2	24.1	24.7	25.2	23.7	24.2	24.2	24.7	25.2
	6H	23.7	24.2	24.2	24.7	25.2	24.0	24.5	24.6	25.0	25.5
	8H	23.7	24.1	24.3	24.6	25.2	24.2	24.6	24.7	25.1	25.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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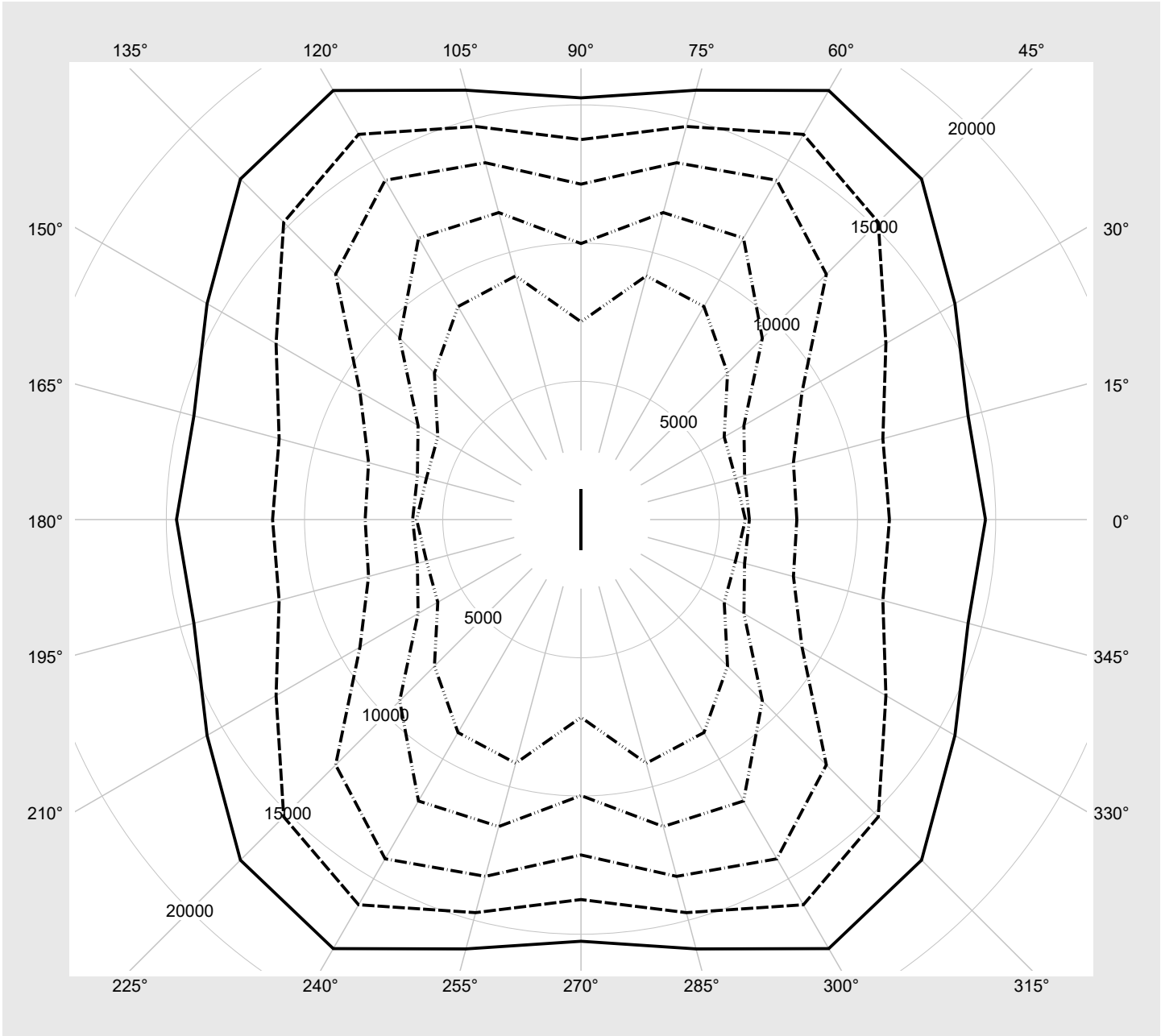
C-planes	γ	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	
Luminance in cd/m²								
45°		52482.1	49473.1	42270.1	41644.5	41058.5	40240.5	40131.2
50°		31503.2	30266.8	28992.0	30300.5	29987.9	29732.8	29954.0
55°		22493.9	21636.8	21771.5	24370.5	23960.6	22973.8	22537.3
60°		18147.1	17644.3	17918.0	20026.1	20233.2	18528.0	17705.4
65°		14630.9	14496.0	15617.9	17421.6	17921.4	16079.0	15254.2
70°		11155.9	11304.5	12735.0	15207.7	16089.4	14720.2	13745.7
75°		7807.3	7955.3	9231.8	12550.6	14170.8	13362.0	12132.6
80°		6090.8	6126.4	6804.8	9275.1	11756.3	11496.2	9984.1
85°		5946.4	5786.8	5981.9	7497.0	8896.0	9126.5	7154.2

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL18MN4E5M EAN: 4058352891469	LP number 59104_187
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

Family
Licross® 21 Recessed

Order number: 52TL18MN4E5M
EAN: 4058352891469

LP number
59104_187

Multilumen Table

environmental temperature: 25°C

siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	14940	83.1
2	A	C	F	14037	77.5
3	A	D	E	12966	71.1
4	A	D	F	12032	65.4
5	B	C	E	11003	59.4
6	B	C	F	10037	53.9
7	B	D	E	8987	47.9
8	B	D	F	7990	42.4