

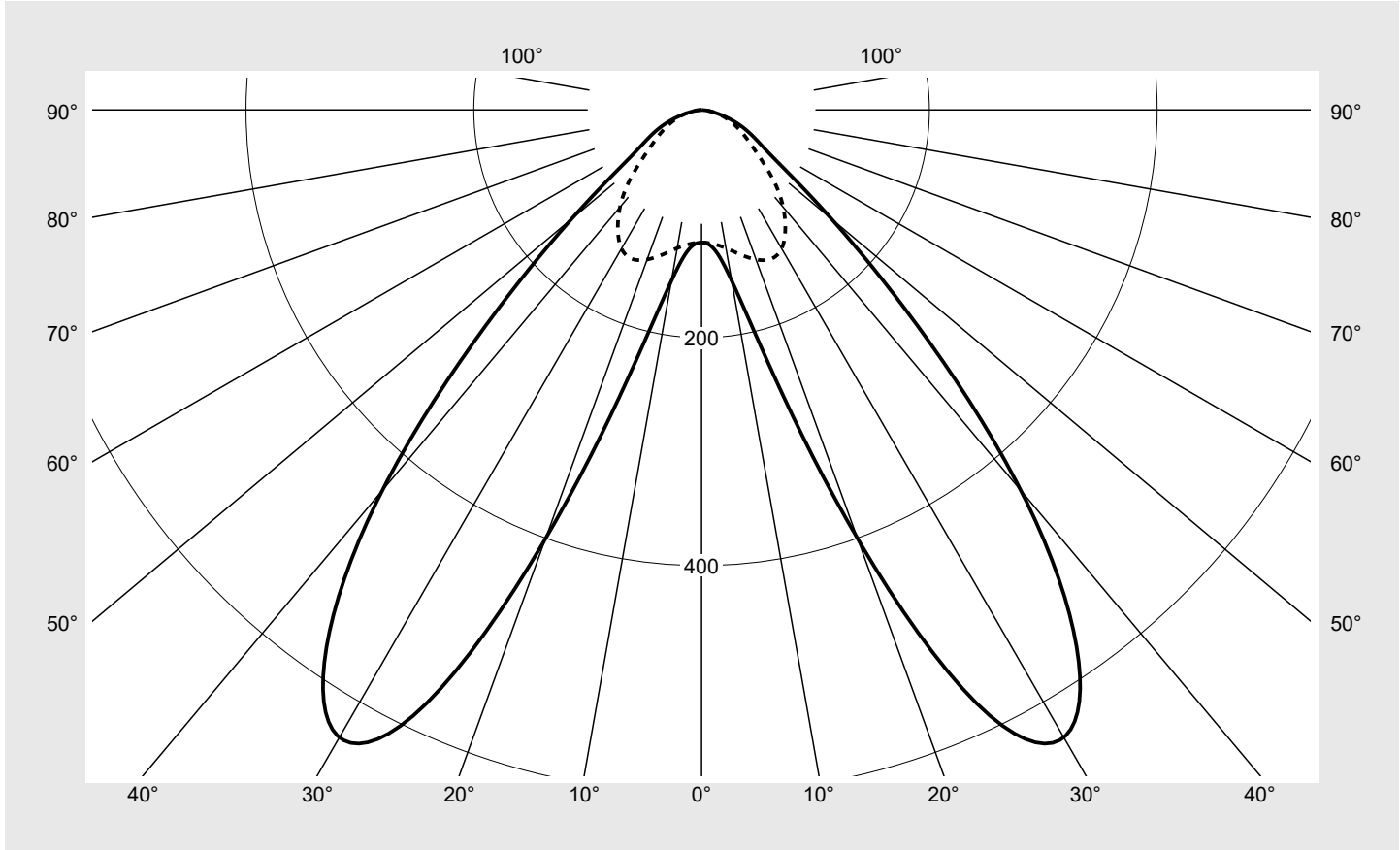


# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL19MN4A5G</b> <b>EAN: 4058352891582</b>	<b>LP number</b> <b>58532_392</b>
	<b>Version</b> cover frosted, double asymmetric distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG Multilumen <b>Rated values</b> Net luminous flux = 10530 lm Power consumption = 60.5 W Luminous efficacy = 174.1 lm/W	<b>serial documentation</b> <b>24.08.2023</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 703 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=55 N2=89 N3=98 N4=100 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	100.0%
$\phi_o$	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

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**sITeco**

<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</b>
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C-planes $\gamma$	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°	116.4	116.4	116.4	116.4	116.4	116.4	116.4	0.7	0.7
5°	122.3	121.8	120.5	120.1	119.3	118.4	118.1	5.7	6.4
10°	152.3	149.6	141.1	133.1	127.4	124.1	123.2	12.9	19.3
15°	235.7	226.2	196.7	164.2	142.2	133.3	131.4	24.7	44.1
20°	400.4	377.8	306.4	227.1	167.8	143.8	139.7	46.6	90.7
25°	577.7	557.7	476.8	343.4	212.9	153.0	144.3	81.3	172.0
30°	636.1	636.8	610.4	517.3	280.0	157.9	140.6	118.3	290.3
35°	573.7	597.7	662.3	665.7	347.9	155.6	128.2	145.7	436.0
40°	436.2	470.5	613.4	703.5	376.1	144.6	111.4	151.6	587.6
45°	268.7	299.8	459.0	605.2	334.0	122.5	91.2	129.2	716.8
50°	149.1	168.3	276.5	419.8	259.3	97.4	69.0	93.1	809.9
55°	85.3	95.5	151.2	245.9	199.7	79.3	53.1	62.9	872.9
60°	59.3	63.7	88.0	138.5	152.7	65.0	42.1	44.2	917.1
65°	44.9	47.0	60.8	84.9	110.7	51.4	33.0	32.6	949.7
70°	31.7	33.1	42.5	56.3	76.3	38.4	24.7	23.6	973.3
75°	19.0	20.1	26.0	34.9	49.6	26.3	17.0	15.4	988.7
80°	8.8	9.4	12.7	18.2	27.0	15.2	9.8	8.3	997.0
85°	3.4	3.6	4.7	6.8	9.5	5.9	3.7	3.1	1000.0
90°	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

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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	25.3	27.0	25.7	27.3	27.6	24.2	25.8	24.5	26.1	26.4
	3H	25.5	26.9	25.9	27.3	27.6	24.4	25.9	24.8	26.2	26.6
	4H	25.6	26.9	25.9	27.2	27.6	24.5	25.9	24.9	26.2	26.6
	6H	25.6	26.8	26.0	27.2	27.5	24.5	25.8	25.0	26.2	26.6
	8H	25.6	26.7	26.0	27.1	27.5	24.5	25.8	24.9	26.2	26.6
	12H	25.6	26.6	26.0	27.0	27.4	24.5	25.7	24.9	26.1	26.5
4H	2H	25.7	27.1	26.1	27.4	27.8	24.9	26.2	25.3	26.6	26.9
	3H	26.0	27.1	26.4	27.5	27.9	25.6	26.7	26.0	27.1	27.5
	4H	26.1	27.1	26.5	27.5	27.9	25.8	26.9	26.3	27.3	27.7
	6H	26.1	27.0	26.6	27.4	27.9	26.0	26.9	26.4	27.3	27.7
	8H	26.1	26.9	26.6	27.4	27.8	26.0	26.8	26.4	27.2	27.7
	12H	26.1	26.8	26.6	27.3	27.8	26.0	26.7	26.4	27.2	27.7
8H	4H	26.2	27.1	26.7	27.5	28.0	26.0	26.8	26.5	27.3	27.8
	6H	26.3	27.0	26.8	27.5	28.0	26.3	27.0	26.8	27.5	28.0
	8H	26.3	26.9	26.8	27.4	27.9	26.4	27.0	26.9	27.5	28.0
	12H	26.3	26.8	26.9	27.3	27.9	26.5	27.0	27.0	27.5	28.0
12H	4H	26.2	27.0	26.7	27.5	28.0	26.1	26.8	26.5	27.2	27.7
	6H	26.4	26.9	26.9	27.4	27.9	26.4	26.9	26.9	27.4	27.9
	8H	26.4	26.9	26.9	27.4	27.9	26.5	27.0	27.0	27.5	28.0

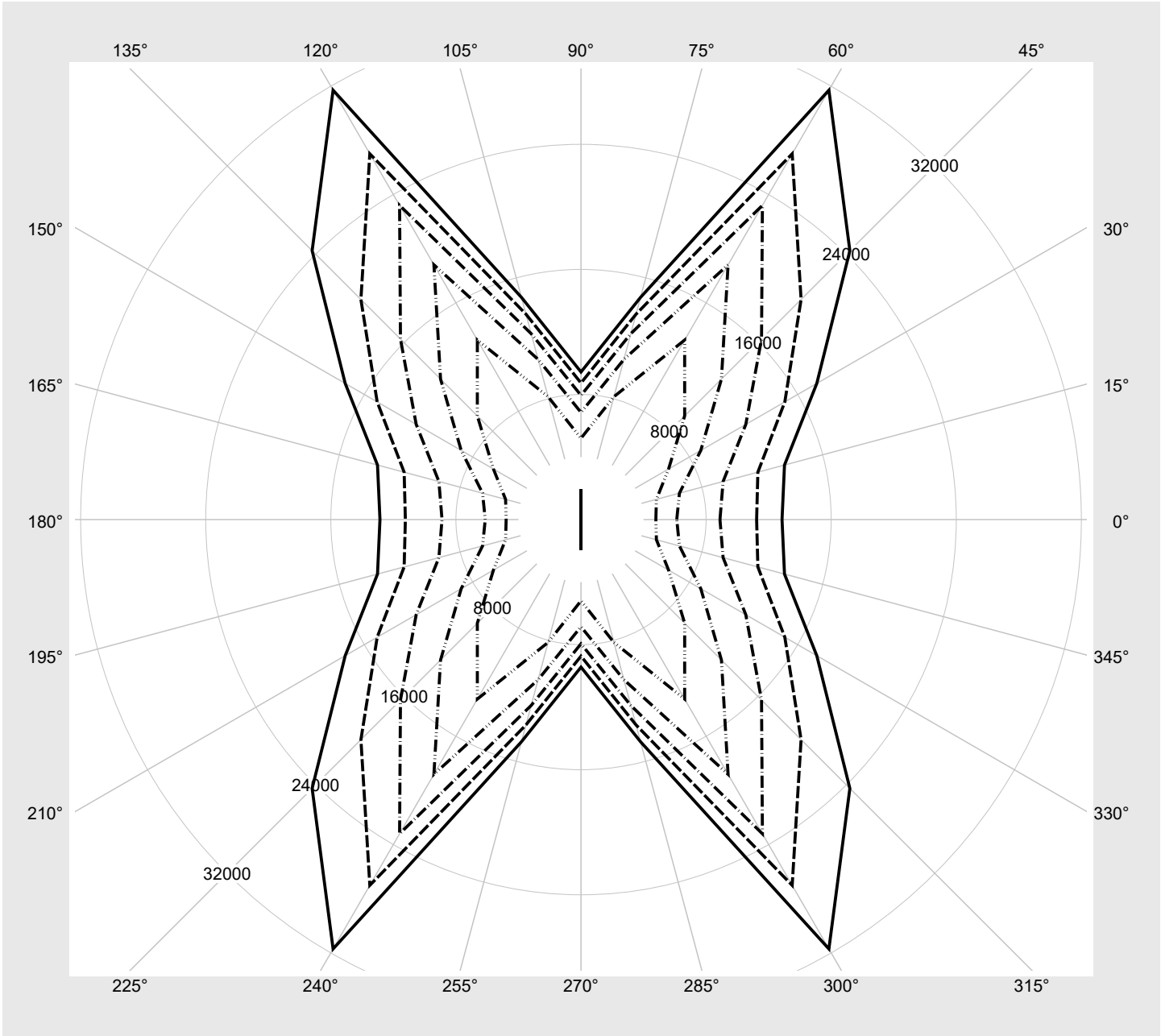
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1500</b>
			<b>B = 58</b>

C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°	45°	45987.0	51309.3	78568.8	103585.6	57164.8	20970.2	15608.2
50°	50°	28068.4	31697.4	52068.8	79040.7	48829.0	18343.1	12988.1
55°	55°	18008.0	20150.9	31909.8	51894.8	42138.9	16724.2	11197.2
60°	60°	14353.2	15431.4	21304.2	33518.6	36957.9	15745.9	10192.3
65°	65°	12857.3	13474.2	17413.2	24317.8	31709.6	14712.5	9438.6
70°	70°	11232.2	11710.3	15052.7	19906.2	27013.2	13597.9	8734.8
75°	75°	8888.0	9409.4	12170.4	16328.6	23205.3	12307.9	7945.7
80°	80°	6124.6	6517.7	8847.8	12701.6	18813.7	10607.1	6855.1
85°	85°	4786.9	4993.8	6468.6	9376.6	13258.1	8135.1	5199.3

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**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**



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Family  
Licross® 21 Recessed

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EAN: 4058352891582

LP number  
58532\_392

### Multilumen Table

environmental temperature: 25°C

siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	10530	60.5
2	A	C	F	9911	56.5
3	A	D	E	9438	53.4
4	A	D	F	8945	50.3
5	B	C	E	8451	47.3
6	B	C	F	7947	44.4
7	B	D	E	7443	41.4
8	B	D	F	6929	38.4