

## Lichttechnischer Prüfbefund

**Familie**  
**Licross® 21 Recessed**

**Bestell-Nr.: 52TL18CN49XG**  
**EAN: 4058352891285**

**LP-Nummer**  
**59103\_254**



**Ausführung** Abdeckung satiniert, medium strahlend, hoher Sehkomfort

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG-Multilumen CLOi

**Bemessungswerte** Nettolichtstrom = 9000 lm  
Systemleistung = 49.9 W  
Lichtausbeute = 180.4 lm/W

**Seriendokumentation**  
17.08.2023

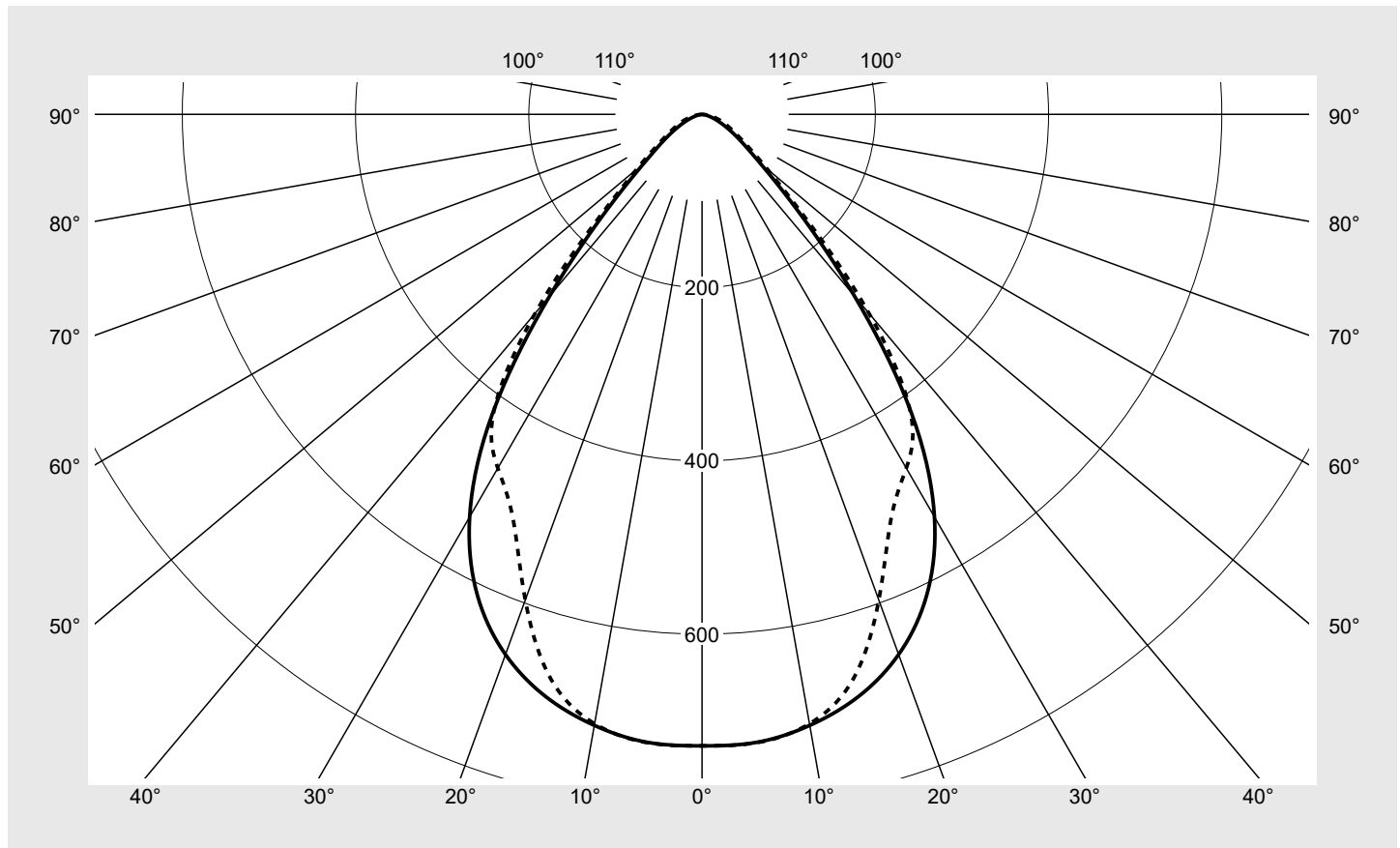
**sITeco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 729 cd/klm**



**Klassifizierungen**

DIN 5040 A 6 0  
CIE N1=79 N2=95 N3=99  
N4=100 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  100,0%  
 $\phi_o$  0,0%

**Messbedingungen**

DIN EN 13032 und DIN 5032

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe Phi-Zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
0°	728.9	728.9	728.9	728.9	728.9	728.9	728.9	4.4	4.4
5°	727.6	725.6	721.4	724.4	727.7	727.5	728.0	34.7	39.0
10°	716.2	715.8	711.3	714.1	716.0	714.5	714.3	68.0	107.0
15°	696.1	697.2	692.4	692.3	687.6	678.3	674.7	97.7	204.8
20°	663.5	665.6	659.3	649.0	628.4	605.3	596.6	119.9	324.7
25°	613.2	616.1	603.1	573.7	542.7	522.2	516.0	132.1	456.8
30°	536.6	538.7	513.6	472.5	462.2	468.1	471.5	135.2	592.0
35°	422.0	421.2	386.0	361.6	387.1	411.1	419.4	125.1	717.1
40°	273.6	269.8	241.4	246.2	279.1	295.4	299.7	95.1	812.2
45°	153.4	148.0	132.2	146.4	164.6	167.9	167.6	59.4	871.5
50°	87.1	86.0	88.4	95.4	105.5	102.0	98.3	39.9	911.4
55°	56.5	55.2	58.2	69.2	74.7	68.5	64.6	28.9	940.4
60°	37.8	37.4	39.6	46.2	52.4	47.5	45.7	20.9	961.3
65°	24.5	24.8	27.6	32.4	36.8	34.0	33.6	15.3	976.6
70°	15.3	15.7	18.0	22.8	25.8	24.5	24.5	10.9	987.5
75°	8.5	8.7	10.3	14.3	17.1	16.5	16.4	7.0	994.5
80°	4.5	4.6	5.3	7.4	9.6	9.5	9.0	3.9	998.3
85°	2.3	2.3	2.4	3.2	3.8	3.8	3.2	1.7	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

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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	19,9	21,2	20,2	21,5	21,9	20,5	21,9	20,9	22,2	22,5
	3H	20,0	21,2	20,4	21,6	21,9	20,9	22,1	21,3	22,4	22,8
	4H	20,0	21,2	20,4	21,5	21,9	21,1	22,2	21,5	22,5	22,9
	6H	20,0	21,0	20,5	21,4	21,8	21,2	22,2	21,6	22,6	22,9
	8H	20,1	21,0	20,5	21,4	21,8	21,3	22,2	21,7	22,5	22,9
	12H	20,1	20,9	20,5	21,3	21,7	21,3	22,1	21,7	22,5	22,9
4H	2H	20,0	21,1	20,4	21,5	21,9	20,6	21,7	21,0	22,1	22,4
	3H	20,3	21,2	20,7	21,6	22,0	21,1	22,1	21,6	22,4	22,9
	4H	20,3	21,1	20,8	21,5	22,0	21,4	22,2	21,8	22,6	23,1
	6H	20,3	21,0	20,8	21,5	21,9	21,6	22,3	22,1	22,7	23,2
	8H	20,3	21,0	20,8	21,4	21,9	21,7	22,3	22,1	22,7	23,2
	12H	20,4	20,9	20,8	21,3	21,8	21,7	22,2	22,2	22,7	23,2
8H	4H	20,4	21,0	20,9	21,5	21,9	21,4	22,0	21,9	22,5	23,0
	6H	20,4	20,9	20,9	21,4	21,9	21,7	22,2	22,2	22,7	23,2
	8H	20,4	20,9	20,9	21,4	21,9	21,8	22,2	22,3	22,7	23,2
	12H	20,5	20,8	21,0	21,3	21,9	21,8	22,2	22,4	22,7	23,3
12H	4H	20,4	20,9	20,9	21,4	21,9	21,4	21,9	21,9	22,4	22,9
	6H	20,5	20,9	21,0	21,4	21,9	21,7	22,1	22,2	22,6	23,1
	8H	20,5	20,8	21,0	21,3	21,9	21,8	22,1	22,3	22,7	23,2

## Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

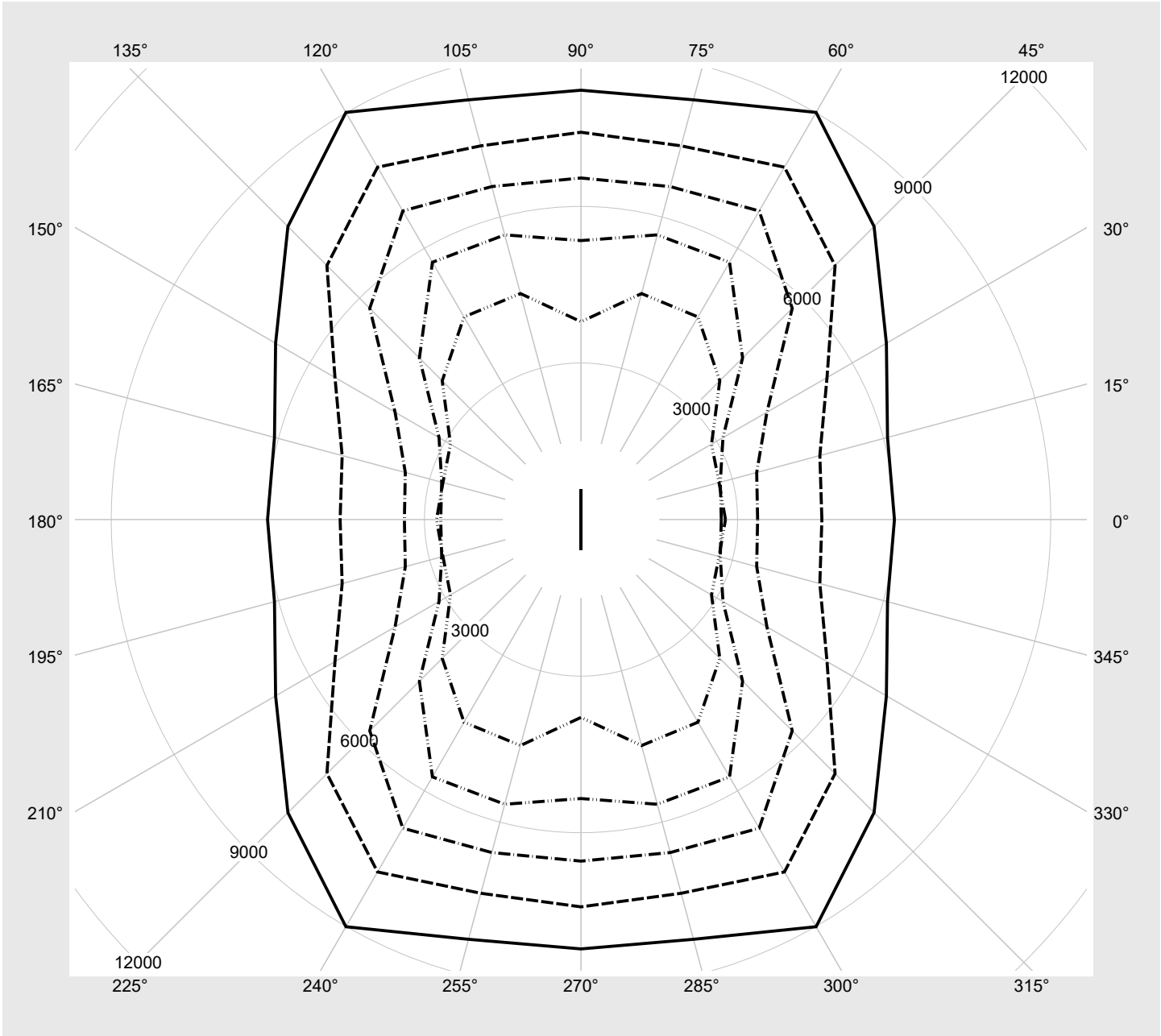
Lichttechnische Abmessungen in mm: L = 1500 B = 58

C-Ebenen	$\gamma$	Leuchtdichte 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°		22441.5	21648.0	19337.8	21410.7	24080.5	24562.5	24525.5
50°		14024.2	13840.6	14228.1	15354.0	16981.6	16410.4	15827.2
55°		10185.1	9951.9	10491.3	12489.0	13471.9	12361.1	11647.8
60°		7813.7	7729.9	8186.1	9559.9	10834.3	9827.4	9449.8
65°		6005.7	6080.1	6756.4	7941.4	9008.6	8326.2	8226.8
70°		4615.0	4737.8	5443.1	6884.3	7796.6	7413.4	7420.9
75°		3383.8	3484.9	4113.2	5724.0	6828.0	6605.3	6544.6
80°		2688.0	2763.0	3140.7	4378.7	5692.8	5647.6	5345.5
85°		2767.9	2738.3	2887.8	3760.2	4483.1	4483.1	3791.1

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**Leuchtdichten in cd/m²**       $\gamma$  65°     $\gamma$  70°     $\gamma$  75°     $\gamma$  80°     $\gamma$  85°



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<b>Multilumen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>sITeco</b>
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DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
	1	2	3				
1	A	C	E	9000	49.9	60.5	55.2
2	A	C	F	8569	47.3	56.9	52.1
3	A	D	E	8065	44.4	53.4	48.9
4	A	D	F	7551	41.4	49.5	45.4
5	B	C	E	7026	38.4	45.6	42.0
6	B	C	F	6501	35.3	42.2	38.8
7	B	D	E	6049	32.8	39.2	36.0
8	B	D	F	5513	29.9	35.3	32.6