

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 52TL12CN495M**  
**EAN: 4058352890721**

**LP-Nummer**  
**59446\_46**



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

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG-Multilumen CLOi

**Bemessungswerte** Nettolichtstrom = 10000 lm  
Systemleistung = 53.0 W  
Lichtausbeute = 188.7 lm/W

**Seriendokumentation**  
17.08.2023

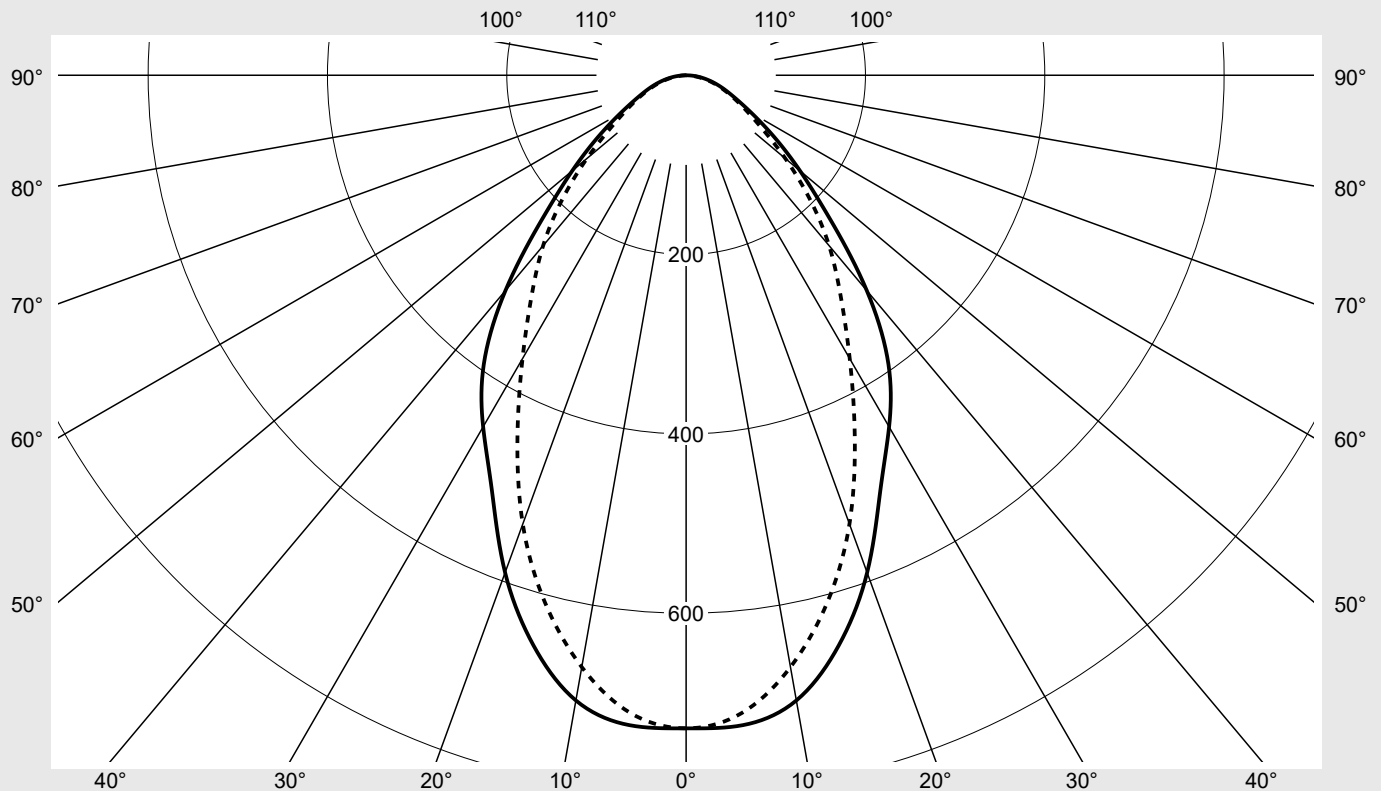
sITeco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 728 cd/klm



**Klassifizierungen**

DIN 5040 A 5 0  
CIE N1=69 N2=91 N3=98  
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>
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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°			
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
0°	728.4	728.4	728.4	728.4	728.4	728.4	728.4	4.4	4.4
5°	727.5	724.8	717.6	716.9	716.5	714.4	713.9	34.3	38.7
10°	708.0	704.6	693.5	687.1	680.0	672.5	670.2	65.5	104.1
15°	658.1	653.2	637.7	629.5	623.7	612.7	608.6	89.6	193.8
20°	590.3	582.5	562.9	551.9	546.6	538.5	532.6	104.5	298.2
25°	512.2	499.8	475.2	461.5	453.8	449.4	445.1	108.8	407.1
30°	452.8	433.7	396.2	371.8	363.4	365.0	364.9	106.8	513.9
35°	393.4	374.1	335.3	295.7	285.6	295.2	300.5	101.3	615.2
40°	313.5	300.8	276.8	238.3	224.4	239.2	248.1	91.6	706.8
45°	227.2	217.7	208.5	191.4	176.2	187.2	194.9	77.0	783.8
50°	165.8	151.3	143.3	147.8	138.9	142.4	144.5	61.5	845.3
55°	119.7	105.2	93.7	108.9	109.4	104.2	103.2	47.4	892.7
60°	84.3	73.0	63.0	78.5	83.8	75.4	76.1	35.9	928.6
65°	60.6	51.5	43.5	55.3	61.5	55.5	56.9	27.0	955.6
70°	44.8	36.9	29.5	37.3	40.5	40.0	42.0	19.5	975.1
75°	31.9	25.4	19.2	23.6	27.6	27.0	29.3	13.5	988.6
80°	20.2	15.5	11.1	12.8	15.3	15.6	17.2	8.0	996.7
85°	9.4	7.2	4.9	5.0	5.8	6.0	6.3	3.3	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									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
Reflexionsgrad Decke	0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3	
Reflexionsgrad Wände	0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3	
Reflexionsgrad Boden	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	
<b>2H</b>	<b>2H</b>	22,3	23,8	22,7	24,1	24,4	21,9	23,4	22,3	23,7	24,0
	3H	23,0	24,3	23,4	24,6	25,0	22,7	24,0	23,1	24,4	24,7
	4H	23,4	24,5	23,7	24,9	25,3	23,1	24,3	23,5	24,7	25,0
	6H	23,7	24,8	24,1	25,1	25,5	23,4	24,5	23,8	24,8	25,2
	8H	23,9	24,8	24,3	25,2	25,6	23,5	24,5	23,9	24,9	25,3
	12H	24,0	24,9	24,4	25,3	25,7	23,6	24,5	24,0	24,9	25,3
<b>4H</b>	<b>2H</b>	22,6	23,8	23,0	24,2	24,5	22,3	23,5	22,7	23,9	24,2
	3H	23,4	24,4	23,8	24,7	25,2	23,3	24,3	23,7	24,7	25,1
	4H	23,8	24,7	24,2	25,1	25,5	23,8	24,6	24,2	25,1	25,5
	6H	24,2	24,9	24,6	25,4	25,8	24,1	24,9	24,6	25,3	25,8
	8H	24,3	25,0	24,8	25,5	26,0	24,2	24,9	24,7	25,4	25,9
	12H	24,5	25,1	25,0	25,6	26,1	24,3	24,9	24,8	25,4	25,9
<b>8H</b>	<b>4H</b>	23,9	24,6	24,3	25,0	25,5	23,9	24,6	24,3	25,0	25,5
	6H	24,3	24,9	24,8	25,3	25,8	24,3	24,9	24,8	25,4	25,9
	8H	24,5	25,0	25,0	25,5	26,0	24,5	25,0	25,0	25,5	26,0
	12H	24,7	25,1	25,2	25,6	26,2	24,6	25,0	25,1	25,5	26,1
<b>12H</b>	<b>4H</b>	23,9	24,5	24,4	24,9	25,4	23,9	24,5	24,4	24,9	25,4
	6H	24,3	24,8	24,8	25,3	25,8	24,3	24,8	24,8	25,3	25,8
	8H	24,5	24,9	25,1	25,4	26,0	24,5	24,9	25,0	25,4	26,0

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

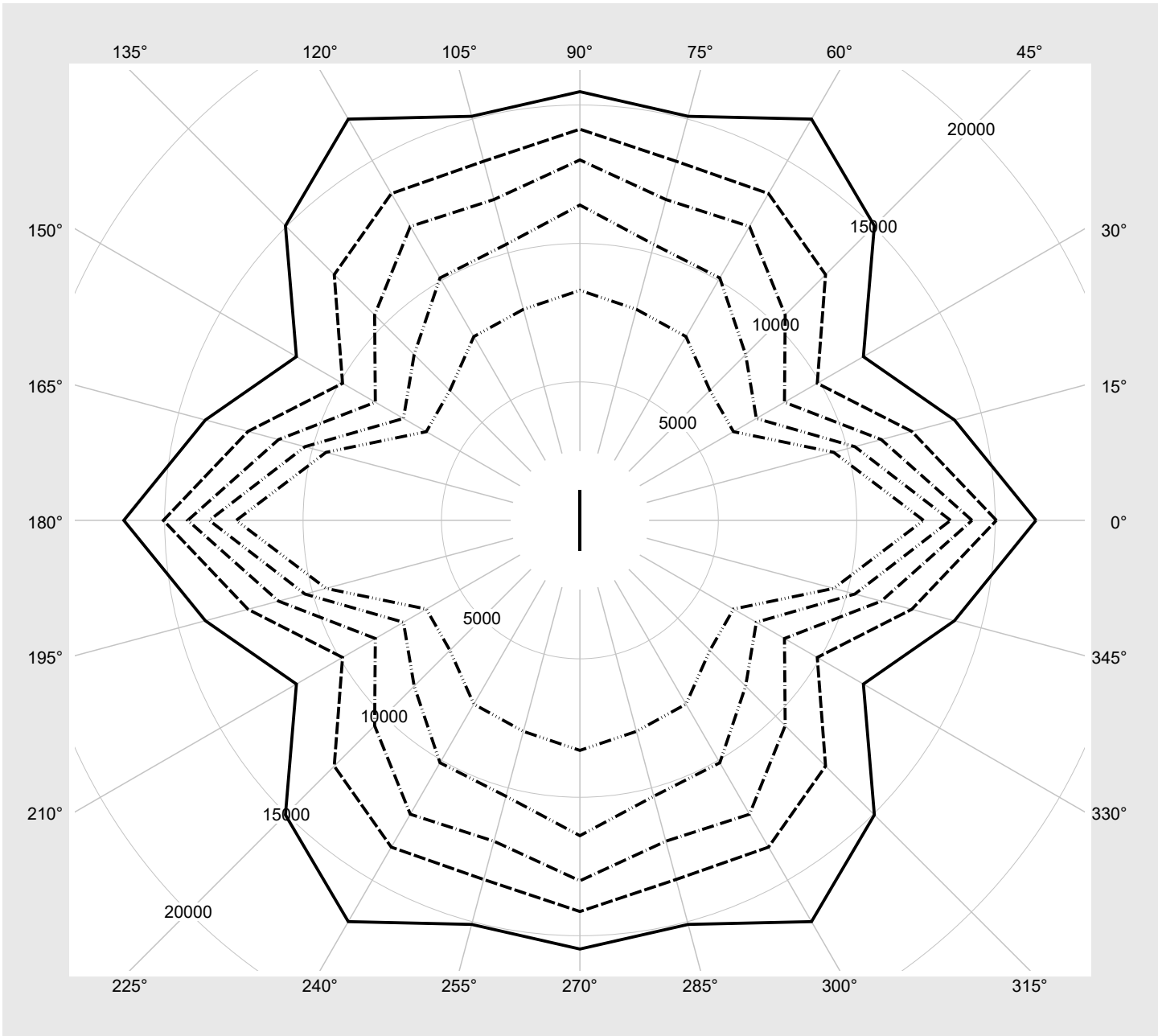
Lichttechnische Abmessungen in mm: **L = 1500**  
**B = 58**

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°		36939.9	35386.1	33892.7	31117.4	28644.3	30422.3	31676.4
50°		29654.4	27053.0	25623.5	26421.2	24844.9	25459.9	25831.1
55°		23993.0	21090.1	18780.3	21825.9	21931.6	20879.1	20683.5
60°		19389.2	16774.9	14477.7	18042.8	19257.2	17334.0	17501.4
65°		16475.6	14006.3	11823.9	15042.8	16732.6	15106.2	15480.9
70°		15045.2	12411.0	9900.3	12549.5	13626.3	13426.3	14125.7
75°		14165.1	11270.0	8532.6	10487.1	12254.2	11995.2	13016.2
80°		13388.8	10281.7	7359.3	8466.7	10107.6	10314.8	11387.1
85°		12414.0	9492.8	6405.5	6640.2	7663.6	7889.2	8307.2

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



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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	10000	53.0	64.5	58.8
2	A	C	F	9538	50.4	60.7	55.6
3	A	D	E	9013	47.5	56.8	52.2
4	A	D	F	8477	44.6	53.0	48.8
5	B	C	E	8004	42.0	50.1	46.0
6	B	C	F	7532	39.5	47.5	43.5
7	B	D	E	6985	36.7	43.3	40.0
8	B	D	F	6513	34.1	40.8	37.4