

## Lichttechnischer Prüfbefund

**Familie**  
**Licross® 21 Protected**

**Bestell-Nr.: 52TS12CN67XF**  
**EAN: 4058352506974**

**LP-Nummer**  
**58522\_213**



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 6500 K | CRI ≥ 80  
**Betriebsgerät** EVG-Multilumen CLOi  
**Bemessungswerte** Nettolichtstrom = 7470 lm  
 Systemleistung = 48.5 W  
 Lichtausbeute = 154 lm/W

**Seriendokumentation**  
25.11.2021

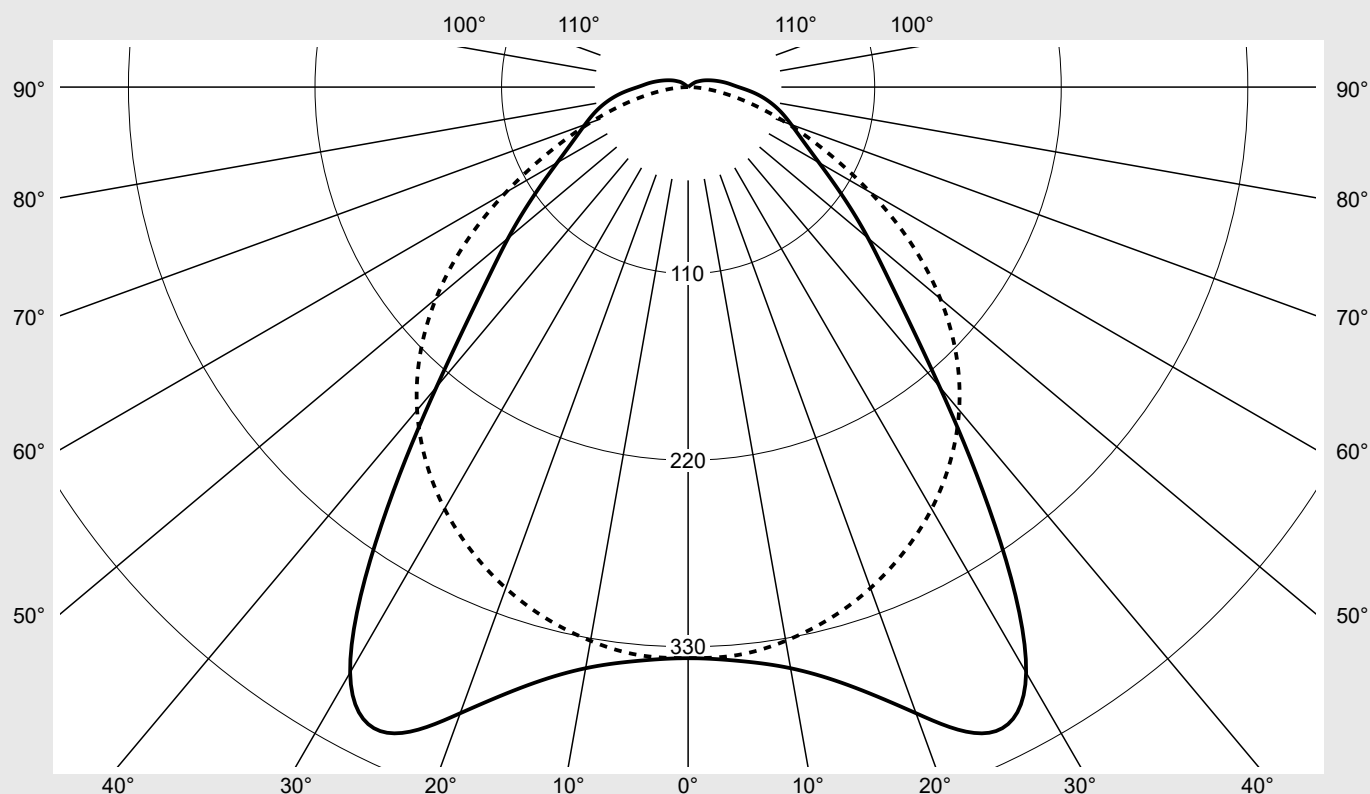
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**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 420 cd/klm**



**Klassifizierungen**

DIN 5040 A 4 1  
 CIE N1=54 N2=82 N3=95  
 N4=97 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  96,8%  
 $\phi_o$  3,2%

**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°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
0°	336.7	336.7	336.7	336.7	336.7	336.7	336.7	2.0	2.0
5°	339.6	338.6	335.9	336.3	336.9	336.0	336.1	16.1	18.1
10°	347.9	347.0	341.3	338.0	335.2	332.1	331.5	32.3	50.4
15°	365.1	363.4	352.6	343.0	333.9	326.3	324.2	48.8	99.2
20°	392.9	389.6	370.2	350.5	332.5	318.7	314.4	66.1	165.3
25°	420.1	417.2	393.2	361.7	330.8	309.3	301.9	83.9	249.2
30°	398.6	403.0	395.6	369.9	329.0	297.6	287.2	97.7	346.8
35°	315.4	327.2	346.9	353.5	322.7	283.2	269.5	100.9	447.7
40°	230.7	242.3	270.7	302.4	300.6	265.5	248.6	95.2	542.9
45°	173.9	182.1	205.6	239.8	258.3	240.0	223.6	85.6	628.5
50°	138.5	144.5	161.6	188.3	208.7	204.6	194.1	75.2	703.7
55°	110.6	115.5	130.2	150.3	164.6	163.9	160.4	64.4	768.0
60°	89.1	92.4	103.6	120.9	128.5	124.9	123.9	53.5	821.6
65°	74.6	76.3	82.5	95.4	99.4	91.8	89.8	43.7	865.3
70°	64.8	65.1	66.4	73.4	75.2	65.0	61.7	35.1	900.3
75°	56.7	56.1	54.1	55.3	54.0	43.4	39.3	27.4	927.8
80°	48.3	47.2	43.9	40.6	36.4	26.8	21.9	20.7	948.5
85°	39.1	38.0	34.5	29.4	22.9	14.4	9.1	14.9	963.3
90°	29.8	28.8	25.7	20.2	13.1	5.8	0.8	9.9	973.3
95°	24.0	23.5	21.4	16.6	9.9	3.5	0.7	7.9	981.2
100°	19.2	18.8	17.3	13.3	7.4	1.9	0.6	6.2	987.4
105°	15.1	14.8	13.6	10.2	5.0	0.8	0.6	4.6	992.0
110°	11.8	11.3	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.0	8.5	7.3	4.7	1.4	0.7	0.7	2.3	997.6
120°	6.6	6.1	4.9	2.7	0.8	0.7	0.7	1.5	999.1
125°	4.4	4.0	2.9	1.3	0.7	0.8	0.8	0.9	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										
2H	2H	20,2	21,8	20,5	22,1	22,4	22,0	23,7	22,4	24,0	24,3
	3H	21,3	22,8	21,7	23,1	23,5	23,0	24,5	23,4	24,9	25,2
	4H	22,0	23,4	22,4	23,8	24,1	23,4	24,8	23,8	25,1	25,5
	6H	22,8	24,1	23,2	24,4	24,8	23,7	24,9	24,1	25,3	25,7
	8H	23,2	24,4	23,6	24,8	25,2	23,8	25,0	24,2	25,3	25,7
	12H	23,6	24,7	24,0	25,1	25,5	23,8	24,9	24,2	25,3	25,7
4H	2H	21,0	22,4	21,4	22,7	23,1	22,5	23,9	22,9	24,2	24,6
	3H	22,4	23,5	22,8	23,9	24,3	23,8	24,9	24,2	25,3	25,7
	4H	23,2	24,2	23,6	24,6	25,1	24,3	25,3	24,7	25,7	26,2
	6H	24,1	25,0	24,5	25,4	25,9	24,6	25,5	25,1	26,0	26,4
	8H	24,5	25,4	25,0	25,8	26,3	24,7	25,6	25,2	26,0	26,5
	12H	25,0	25,8	25,5	26,2	26,7	24,8	25,6	25,3	26,0	26,5
8H	4H	23,6	24,4	24,0	24,9	25,3	24,5	25,4	25,0	25,8	26,3
	6H	24,7	25,4	25,1	25,8	26,3	25,1	25,8	25,5	26,2	26,7
	8H	25,2	25,9	25,7	26,4	26,9	25,3	25,9	25,8	26,4	26,9
	12H	25,9	26,4	26,4	26,9	27,5	25,4	26,0	25,9	26,5	27,0
12H	4H	23,7	24,4	24,1	24,9	25,4	24,6	25,4	25,1	25,8	26,3
	6H	24,8	25,4	25,3	25,9	26,4	25,2	25,8	25,7	26,3	26,8
	8H	25,4	26,0	26,0	26,5	27,0	25,4	26,0	25,9	26,5	27,0

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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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°		13638.3	14354.6	16440.6	19630.7	21815.4	21052.8	20463.8	
50°		11630.3	12202.3	13882.0	16622.9	19110.5	19594.1	19542.2	
55°		10075.1	10593.4	12181.7	14514.1	16597.4	17417.4	18092.4	
60°		8951.2	9351.7	10726.1	12991.1	14532.9	15038.6	16040.3	
65°		8418.5	8687.7	9644.6	11664.8	12916.4	12870.1	13753.3	
70°		8403.5	8545.5	9000.1	10493.5	11575.3	10998.8	11672.8	
75°		8732.9	8769.2	8790.3	9594.5	10307.1	9341.8	9820.9	
80°		9249.2	9201.1	8999.8	9062.3	9206.7	8028.1	8147.1	
85°		9984.9	9930.7	9659.9	9304.4	8718.1	7140.3	6772.6	

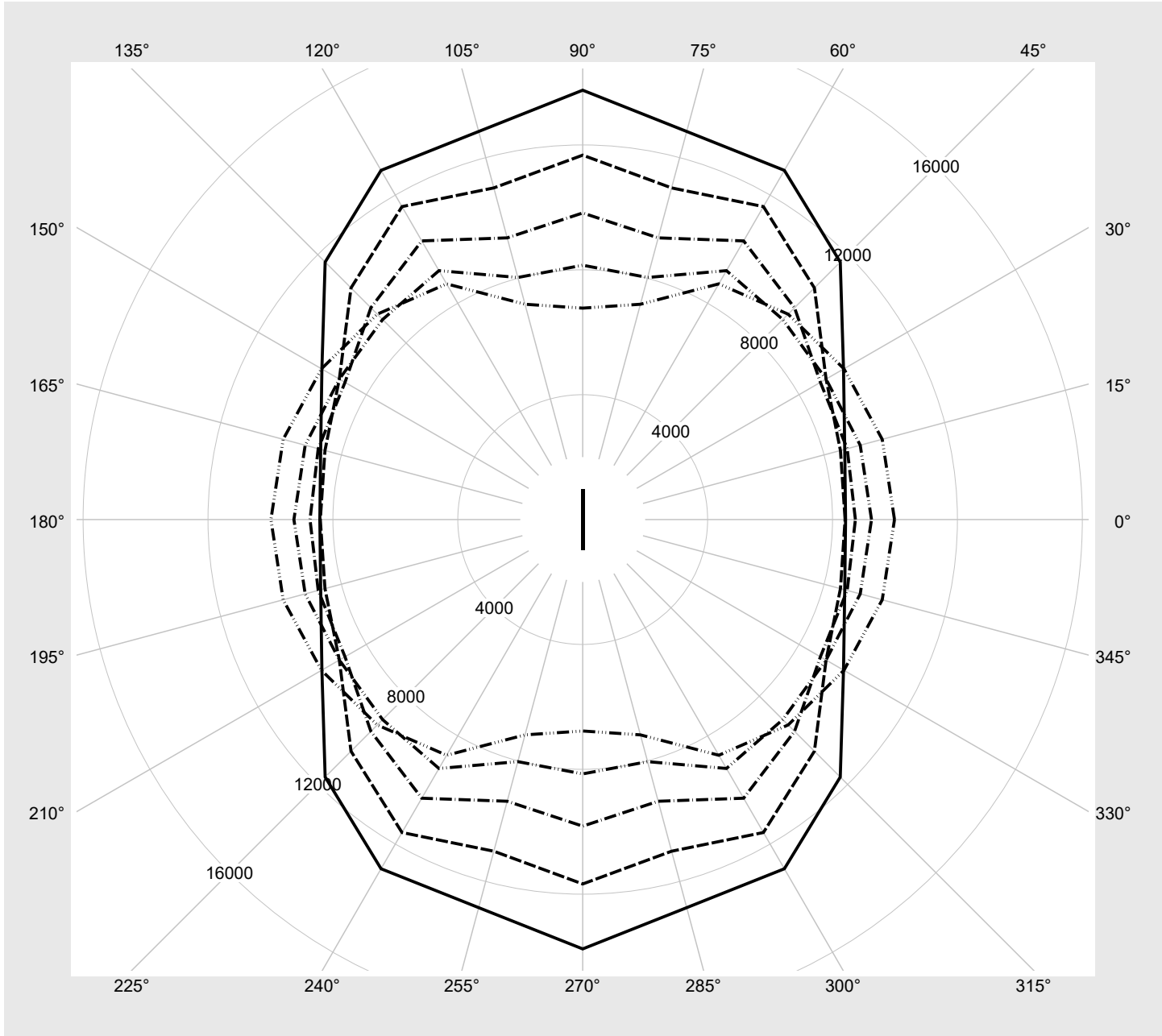
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**Leuchtdichten in cd/m<sup>2</sup>**

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
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**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	7470	48.5	55.0	51.8
2	A	C	F	6720	42.7	48.5	45.6
3	A	D	E	6240	39.5	44.4	42.0
4	A	D	F	5820	36.5	41.2	38.8
5	B	C	E	5390	33.6	37.7	35.7
6	B	C	F	4950	30.7	34.5	32.6
7	B	D	E	4510	27.8	31.2	29.5
8	B	D	F	4070	25.1	27.8	26.4