

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 52TD1BCN4B5M**  
**EAN: 4058352903261**

**LP-Nummer**  
**58521\_156**



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-Multilumen CLOi  
**Bemessungswerte** Nettolichtstrom = 11820 lm  
 Systemleistung = 68.9 W  
 Lichtausbeute = 171.5 lm/W

**Seriendokumentation**  
17.08.2023

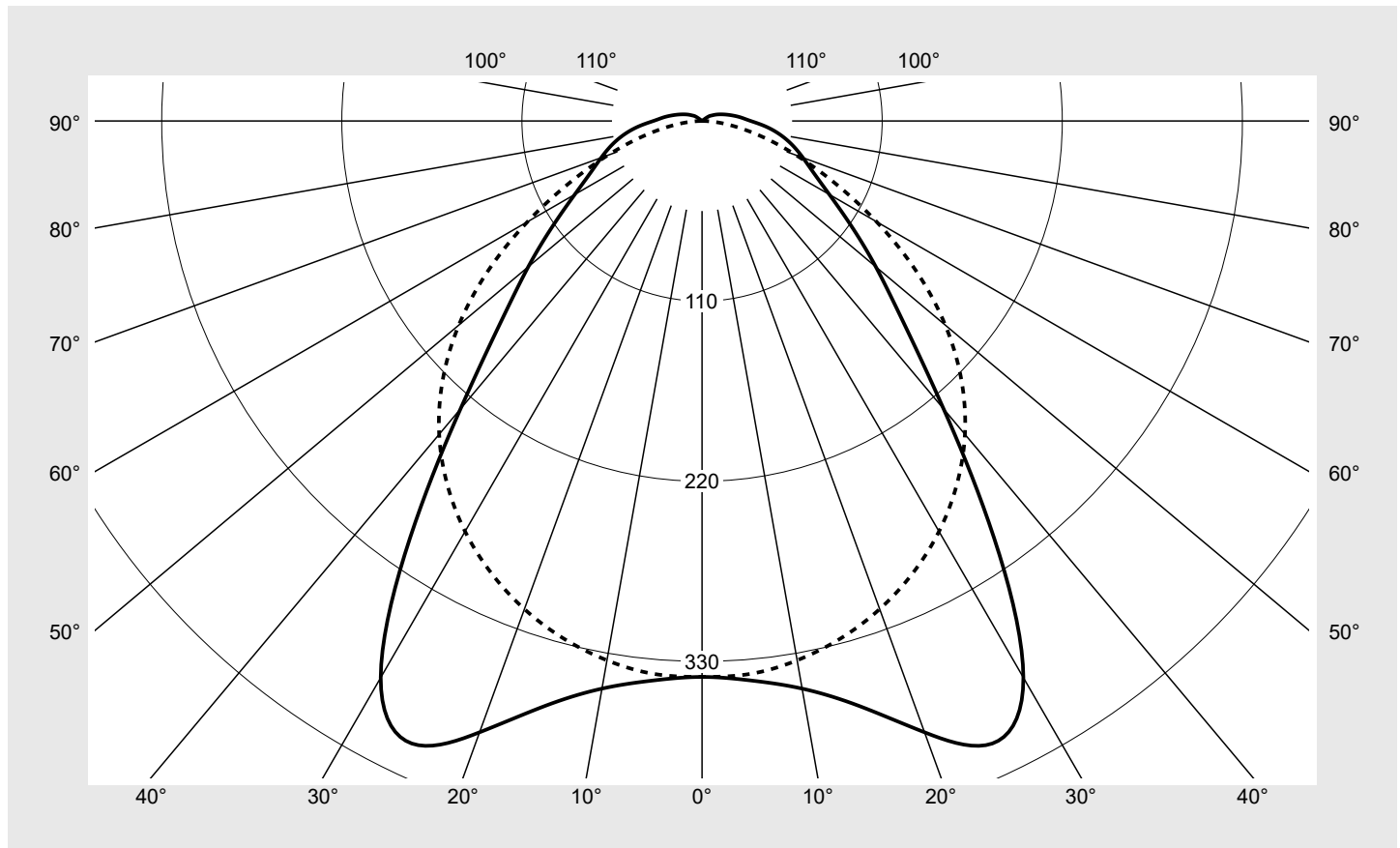
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**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 419 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°			
γ	Lichtstärke in cd/klm							Lichtstrom in lm/klm	
0°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	2.0	2.0
5°	343.0	342.0	339.2	339.3	339.7	338.8	338.9	16.2	18.3
10°	352.0	350.9	345.1	341.6	338.4	335.1	334.4	32.6	50.9
15°	369.7	367.9	356.8	346.8	337.2	329.4	327.1	49.3	100.2
20°	397.2	393.9	374.9	354.6	335.9	321.8	317.2	66.8	167.0
25°	419.5	416.9	395.3	365.3	334.4	312.1	304.6	84.4	251.4
30°	392.5	397.1	392.3	370.7	332.1	300.1	289.4	97.4	348.9
35°	311.0	322.2	341.8	350.7	323.8	285.3	271.2	100.3	449.2
40°	229.5	240.6	267.7	298.9	299.5	266.8	249.8	94.7	543.9
45°	174.0	182.0	204.5	237.4	256.3	239.9	224.1	85.2	629.1
50°	138.5	144.4	161.2	187.1	207.0	203.8	193.9	74.9	704.0
55°	110.9	115.6	129.9	149.5	163.4	162.9	159.6	64.1	768.1
60°	89.8	92.9	103.5	120.2	127.5	124.1	123.1	53.4	821.5
65°	75.3	77.0	82.7	94.9	98.6	91.3	89.2	43.6	865.1
70°	65.6	65.8	66.8	73.1	74.5	64.6	61.3	35.1	900.1
75°	57.2	56.6	54.5	55.3	53.6	43.2	39.2	27.5	927.6
80°	48.6	47.5	44.1	40.6	36.2	26.8	21.9	20.7	948.4
85°	39.1	38.1	34.6	29.4	22.8	14.4	9.2	14.9	963.2
90°	29.7	28.9	25.8	20.2	13.1	5.9	0.8	10.0	973.2
95°	24.0	23.5	21.5	16.6	10.0	3.6	0.7	8.0	981.2
100°	19.1	18.8	17.3	13.3	7.4	1.9	0.7	6.2	987.3
105°	15.1	14.8	13.5	10.2	5.0	0.8	0.6	4.6	991.9
110°	11.8	11.4	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.1	8.6	7.4	4.7	1.4	0.7	0.7	2.3	997.5
120°	6.7	6.2	4.9	2.7	0.8	0.7	0.8	1.5	999.1
125°	4.5	4.0	2.9	1.3	0.8	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									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	21,7	23,4	22,1	23,7	24,0	23,6	25,2	24,0	25,5	25,9
	3H	22,9	24,4	23,3	24,7	25,1	24,6	26,1	25,0	26,4	26,8
	4H	23,6	25,0	24,0	25,4	25,7	25,0	26,3	25,4	26,7	27,1
	6H	24,4	25,7	24,8	26,0	26,4	25,2	26,5	25,6	26,9	27,3
	8H	24,8	26,0	25,2	26,4	26,8	25,3	26,5	25,8	26,9	27,3
	12H	25,2	26,3	25,6	26,7	27,1	25,4	26,5	25,8	26,9	27,3
4H	2H	22,6	24,0	23,0	24,3	24,7	24,0	25,4	24,4	25,8	26,1
	3H	24,0	25,1	24,4	25,5	25,9	25,3	26,5	25,7	26,9	27,3
	4H	24,8	25,8	25,2	26,2	26,7	25,8	26,9	26,2	27,3	27,7
	6H	25,7	26,6	26,1	27,0	27,5	26,2	27,1	26,6	27,5	28,0
	8H	26,2	27,0	26,6	27,5	27,9	26,3	27,2	26,8	27,6	28,1
	12H	26,6	27,4	27,1	27,9	28,3	26,4	27,2	26,9	27,6	28,1
8H	4H	25,2	26,0	25,7	26,5	27,0	26,1	26,9	26,6	27,4	27,9
	6H	26,3	27,0	26,8	27,5	28,0	26,6	27,3	27,1	27,8	28,3
	8H	26,9	27,5	27,4	28,0	28,5	26,8	27,5	27,3	27,9	28,5
	12H	27,5	28,0	28,0	28,5	29,1	27,0	27,5	27,5	28,0	28,6
12H	4H	25,3	26,0	25,7	26,5	27,0	26,2	26,9	26,6	27,4	27,9
	6H	26,4	27,0	26,9	27,5	28,0	26,7	27,4	27,2	27,8	28,4
	8H	27,1	27,6	27,6	28,1	28,6	27,0	27,5	27,5	28,0	28,6

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480, B = 78	H(C0) = 13, H(C90) = 0	H(C180) = 13, 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°		21595.6	22694.3	25882.0	30752.9	34261.3	33299.0	32445.9	
50°		18411.6	19301.7	21913.9	26126.6	29996.5	30878.4	30886.5	
55°		15985.5	16776.7	19227.4	22839.8	26062.6	27397.0	28483.7	
60°		14265.1	14875.2	16958.5	20435.9	22818.4	23655.0	25201.5	
65°		13446.1	13859.2	15297.0	18347.0	20267.7	20241.6	21604.8	
70°		13460.4	13656.0	14318.8	16536.0	18147.5	17300.6	18365.5	
75°		13949.9	13994.7	14006.5	15186.0	16185.8	14720.1	15516.5	
80°		14717.7	14639.7	14302.9	14358.7	14512.0	12687.9	12938.0	
85°		15812.3	15741.8	15324.7	14722.1	13738.4	11329.8	10834.0	

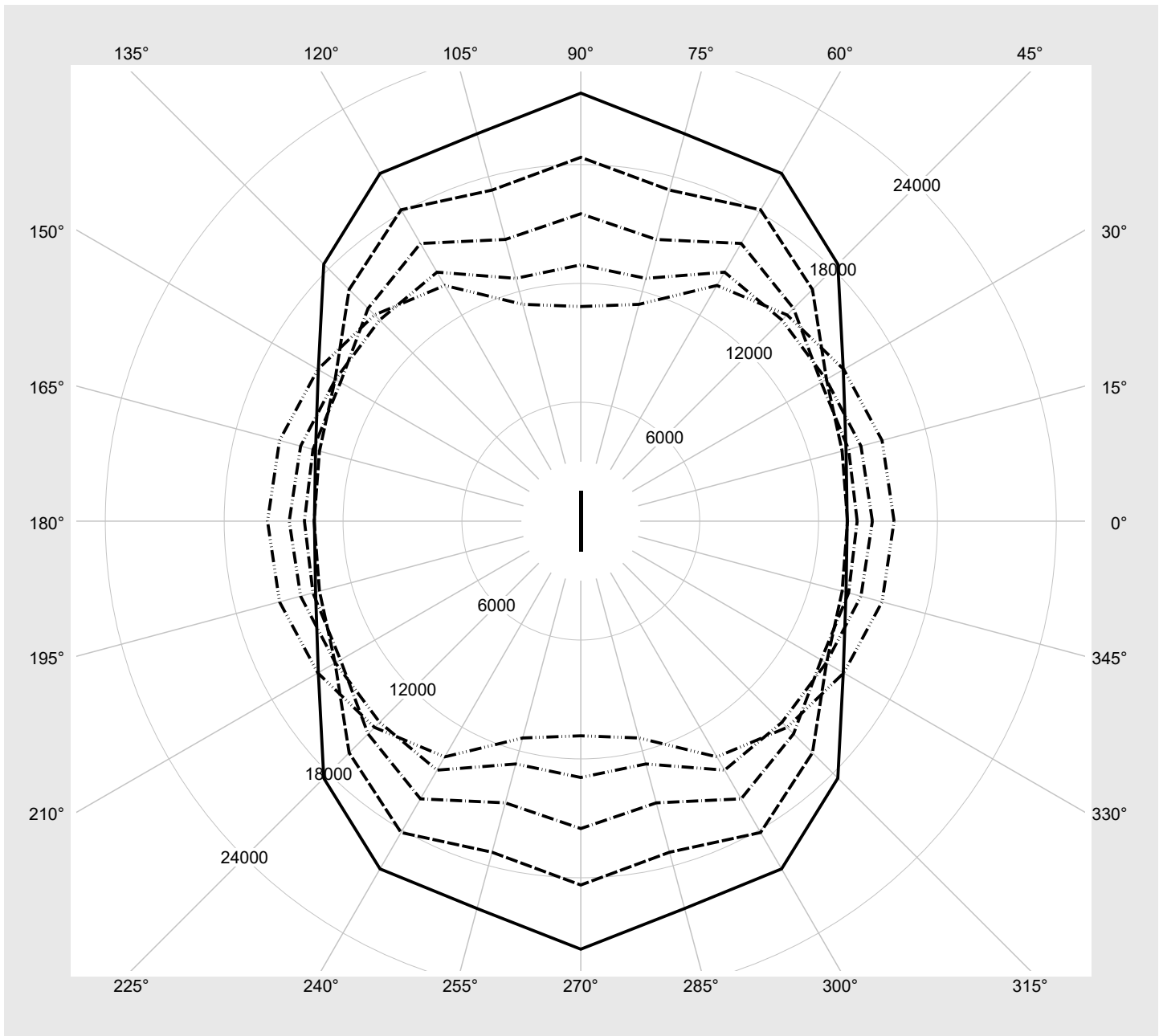
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**Leuchtdichten in cd/m²**

$\gamma$ 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	11820	68.9	83.2	76.1
2	A	C	F	11421	66.3	80.2	73.2
3	A	D	E	10455	60.3	72.4	66.4
4	A	D	F	9469	54.3	65.0	59.6
5	B	C	E	8545	48.8	58.1	53.4
6	B	C	F	7621	43.3	51.8	47.6
7	B	D	E	6676	37.9	45.0	41.4
8	B	D	F	5721	32.5	38.3	35.4