

## Lichttechnischer Prüfbefund

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



**Bestell-Nr.: 52TD1BMN4EXM**  
**EAN: 4058352903346**

**LP-Nummer**  
**58521\_164**

**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-Multilumen  
**Bemessungswerte** Nettolichtstrom = 14040 lm  
 Systemleistung = 83.2 W  
 Lichtausbeute = 168.7 lm/W

**Seriendokumentation**  
**24.08.2023**

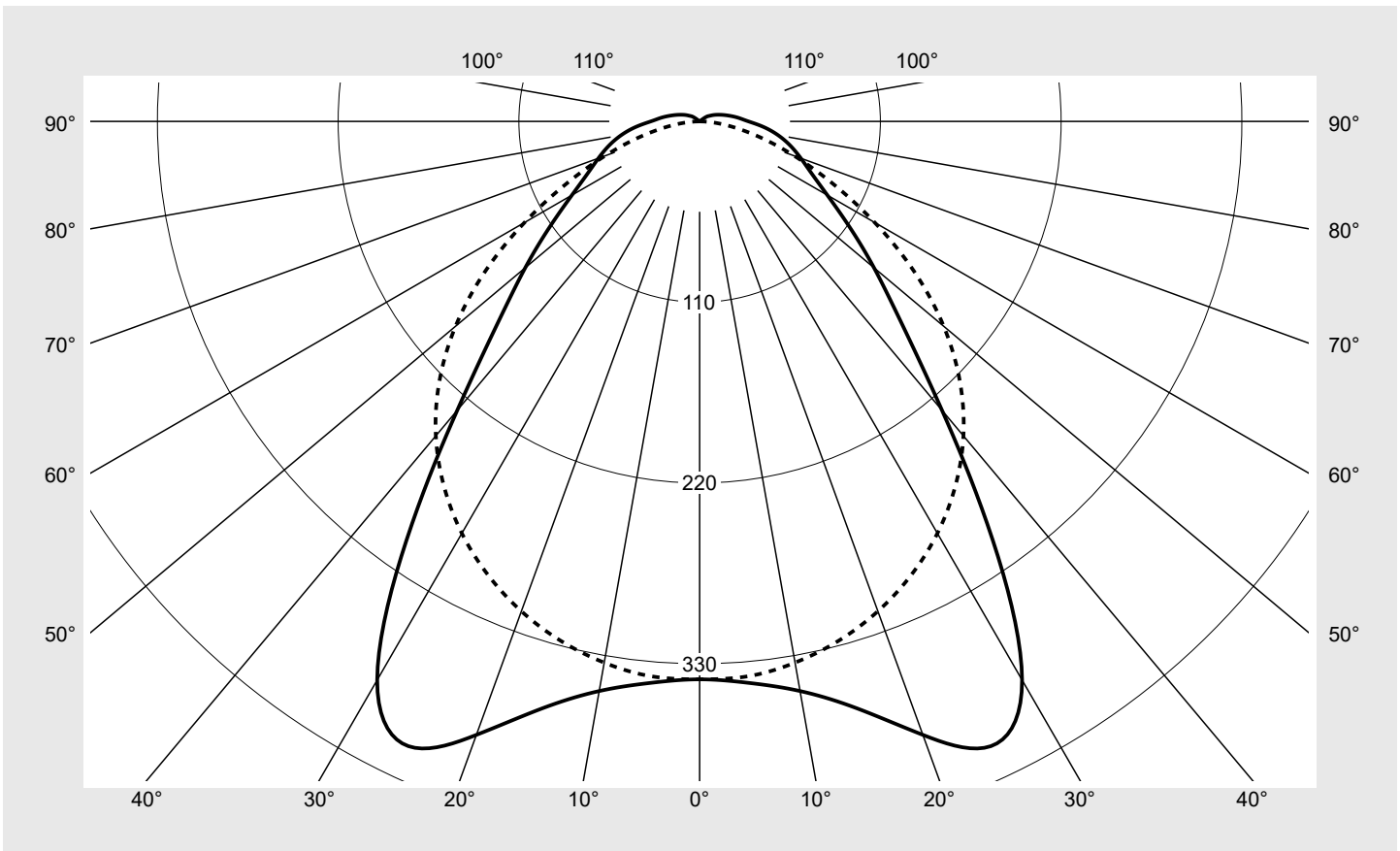
**siteco**

**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°				
Lichtstärke in cd/klm								Lichtstrom in lm/klm		
γ										
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	22,3	24,0	22,7	24,3	24,6	24,2	25,8	24,5	26,1	26,5
	3H	23,5	25,0	23,9	25,3	25,7	25,2	26,7	25,6	27,0	27,4
	4H	24,2	25,6	24,6	26,0	26,3	25,6	26,9	26,0	27,3	27,7
	6H	25,0	26,3	25,4	26,6	27,0	25,8	27,1	26,2	27,5	27,8
	8H	25,4	26,6	25,8	27,0	27,4	25,9	27,1	26,4	27,5	27,9
	12H	25,8	26,9	26,2	27,3	27,7	26,0	27,1	26,4	27,5	27,9
4H	2H	23,2	24,6	23,6	24,9	25,3	24,6	26,0	25,0	26,4	26,7
	3H	24,6	25,7	25,0	26,1	26,5	25,9	27,1	26,3	27,5	27,9
	4H	25,4	26,4	25,8	26,8	27,3	26,4	27,5	26,8	27,9	28,3
	6H	26,3	27,2	26,7	27,6	28,1	26,8	27,7	27,2	28,1	28,6
	8H	26,8	27,6	27,2	28,1	28,5	26,9	27,7	27,4	28,2	28,7
	12H	27,2	28,0	27,7	28,5	28,9	27,0	27,8	27,5	28,2	28,7
8H	4H	25,8	26,6	26,3	27,1	27,6	26,7	27,5	27,2	28,0	28,5
	6H	26,9	27,6	27,4	28,1	28,6	27,2	27,9	27,7	28,4	28,9
	8H	27,5	28,1	28,0	28,6	29,1	27,4	28,1	27,9	28,5	29,1
	12H	28,1	28,6	28,6	29,1	29,7	27,6	28,1	28,1	28,6	29,2
12H	4H	25,9	26,6	26,3	27,1	27,6	26,8	27,5	27,2	28,0	28,5
	6H	27,0	27,6	27,5	28,1	28,6	27,3	28,0	27,8	28,4	29,0
	8H	27,7	28,2	28,2	28,7	29,2	27,6	28,1	28,1	28,6	29,2

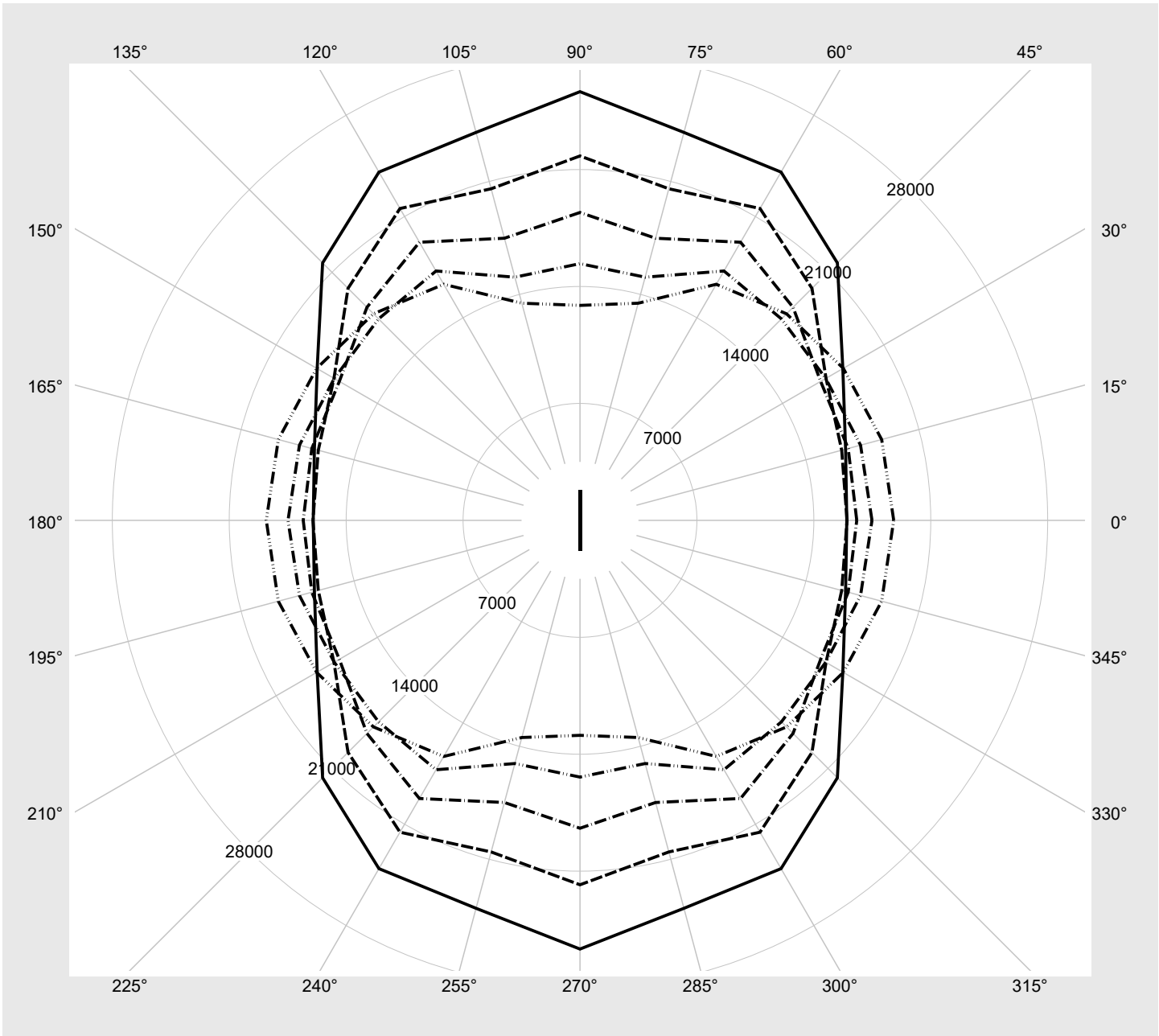
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480, B = 78	H(C0) = 13, H(C90) = 0	H(C180) = 13, H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		25651.7	26956.7	30743.1	36528.8	40696.1	39553.1	38539.8	
50°		21869.6	22926.9	26029.7	31033.6	35630.3	36677.8	36687.6	
55°		18987.9	19927.7	22838.6	27129.5	30957.6	32542.6	33833.4	
60°		16944.3	17669.0	20143.7	24274.1	27104.1	28097.9	29934.7	
65°		15971.5	16462.2	18170.1	21792.9	24074.4	24043.4	25662.6	
70°		15988.5	16220.9	17008.1	19641.8	21556.0	20550.0	21814.9	
75°		16569.9	16623.1	16637.2	18038.2	19225.7	17484.8	18430.8	
80°		17481.9	17389.3	16989.3	17055.5	17237.6	15070.9	15368.0	
85°		18782.1	18698.4	18202.9	17487.1	16318.7	13457.7	12868.9	

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**Leuchtdichten in cd/m²**      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**



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## Multilumen-Tabelle

Umgebungstemperatur: 25°C

SITECO

DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]
	1	2	3		
1	A	C	E	14040	83.2
2	A	C	F	13189	78.5
3	A	D	E	12255	72.4
4	A	D	F	11310	66.3
5	B	C	E	10354	60.3
6	B	C	F	9378	54.3
7	B	D	E	8464	48.8
8	B	D	F	7550	43.3