

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 52TP12CN4CXM**  
**EAN: 4058352903865**

**LP-Nummer**  
**58523\_184**



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-Multilumen CLOi  
**Bemessungswerte** Nettolichtstrom = 12460 lm  
 Systemleistung = 68.9 W  
 Lichtausbeute = 180.8 lm/W

**Seriendokumentation**  
17.08.2023

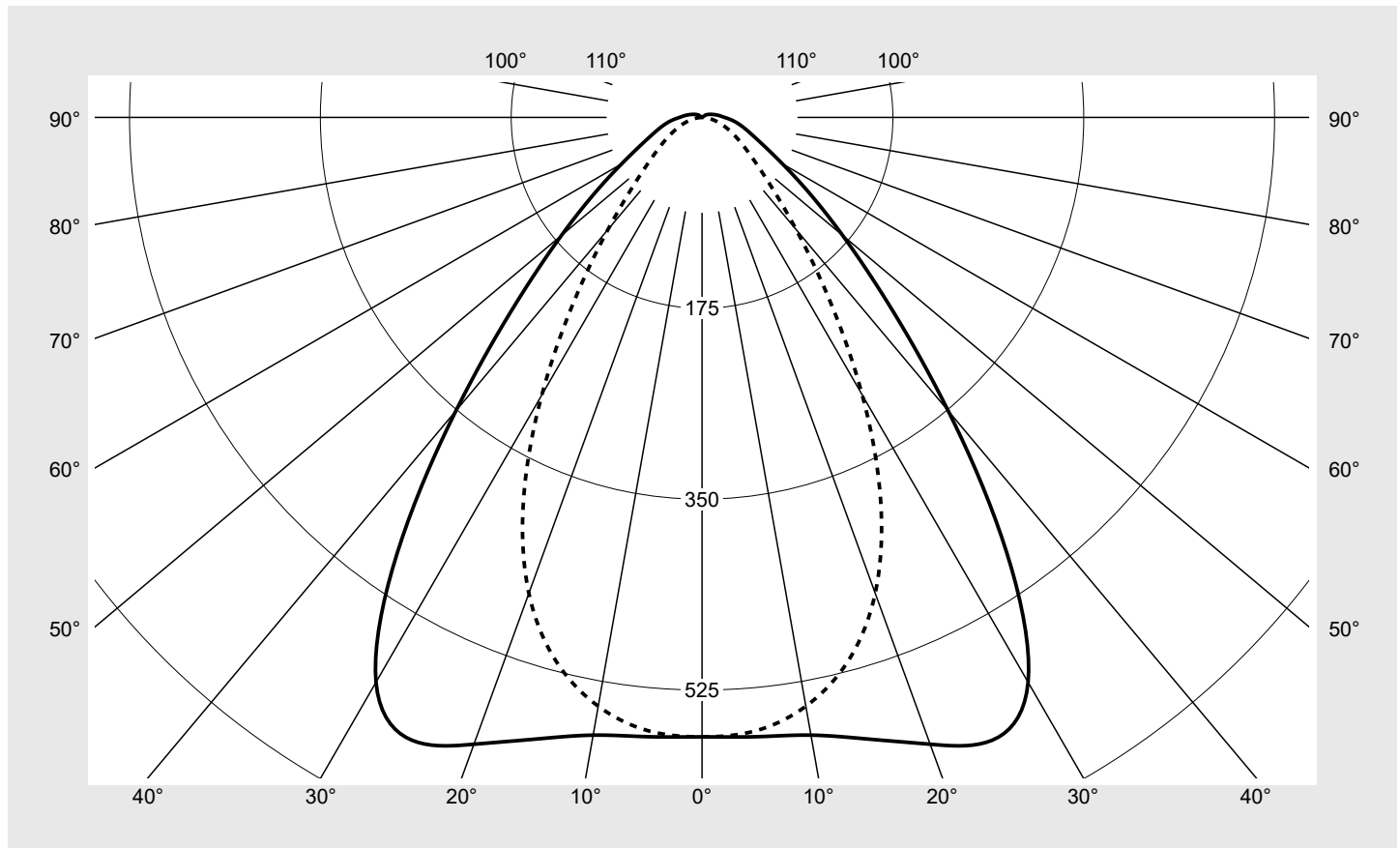
**siteco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 630 cd/klm**



**Klassifizierungen**

DIN 5040 A 5 1  
 CIE N1=70 N2=91 N3=97  
 N4=98 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  98,3%  
 $\phi_o$  1,7%

**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°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	3.4	3.4
5°	570.0	568.0	563.9	564.4	565.6	564.2	564.6	27.0	30.4
10°	575.1	572.9	563.4	557.9	553.3	549.0	548.2	53.3	83.7
15°	590.1	586.0	566.8	548.5	532.2	519.9	516.5	78.2	161.9
20°	611.6	603.6	568.7	531.0	496.5	471.9	464.3	100.3	262.2
25°	630.0	617.6	564.2	499.9	441.6	401.0	387.5	117.1	379.3
30°	598.0	589.4	536.5	452.4	368.0	311.9	293.8	123.5	502.8
35°	487.1	490.1	463.2	383.1	284.6	222.1	203.0	114.7	617.4
40°	351.1	360.8	359.1	297.2	205.7	150.3	134.3	94.9	712.3
45°	241.7	250.7	257.1	211.9	140.4	100.6	89.9	72.8	785.1
50°	168.3	174.0	178.9	144.5	94.4	69.8	63.7	54.4	839.5
55°	118.9	121.8	123.3	97.4	64.6	50.4	47.5	40.5	880.0
60°	85.1	85.8	84.4	66.1	45.7	37.4	36.1	30.1	910.0
65°	63.8	62.6	58.2	45.7	33.4	28.1	27.2	22.6	932.7
70°	50.4	47.7	40.8	32.1	24.8	20.7	19.9	17.3	949.9
75°	41.3	37.6	29.5	22.7	17.9	14.5	13.5	13.2	963.2
80°	34.0	30.0	21.9	15.9	12.4	9.4	8.0	10.0	973.1
85°	27.2	23.7	16.4	11.2	8.0	5.3	3.6	7.3	980.4
90°	20.7	17.9	12.0	7.4	4.6	2.2	0.4	5.0	985.4
95°	16.6	14.7	10.2	6.3	3.6	1.3	0.3	4.0	989.4
100°	13.2	11.9	8.5	5.2	2.7	0.8	0.3	3.2	992.6
105°	10.4	9.5	6.9	4.1	1.9	0.4	0.3	2.5	995.1
110°	8.2	7.4	5.5	3.1	1.2	0.3	0.3	1.9	997.0
115°	6.5	5.8	4.2	2.2	0.7	0.4	0.4	1.4	998.4
120°	4.9	4.3	3.0	1.4	0.6	0.5	0.5	1.0	999.4
125°	3.5	3.0	2.0	0.9	0.6	0.5	0.5	0.7	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	22,7	24,2	23,1	24,5	24,8	18,6	20,0	18,9	20,3	20,7
	3H	23,3	24,6	23,7	24,9	25,3	19,0	20,3	19,4	20,6	21,0
	4H	23,7	24,9	24,1	25,2	25,6	19,2	20,4	19,6	20,8	21,1
	6H	24,1	25,1	24,5	25,5	25,9	19,3	20,5	19,7	20,8	21,2
	8H	24,4	25,3	24,8	25,7	26,1	19,4	20,5	19,8	20,9	21,3
	12H	24,6	25,5	25,1	25,9	26,3	19,4	20,4	19,9	20,8	21,3
4H	2H	22,8	24,0	23,2	24,4	24,7	19,2	20,4	19,6	20,8	21,2
	3H	23,5	24,5	23,9	24,9	25,3	19,8	20,8	20,2	21,2	21,6
	4H	24,0	24,9	24,4	25,3	25,7	20,1	21,0	20,5	21,4	21,8
	6H	24,5	25,3	25,0	25,7	26,2	20,3	21,1	20,7	21,5	22,0
	8H	24,9	25,5	25,3	26,0	26,5	20,4	21,1	20,8	21,5	22,0
	12H	25,2	25,8	25,7	26,3	26,8	20,4	21,1	20,9	21,5	22,0
8H	4H	24,0	24,7	24,4	25,1	25,6	20,4	21,1	20,8	21,5	22,0
	6H	24,6	25,2	25,1	25,7	26,2	20,7	21,3	21,2	21,7	22,3
	8H	25,0	25,6	25,5	26,0	26,6	20,8	21,3	21,3	21,8	22,4
	12H	25,5	26,0	26,1	26,5	27,0	20,9	21,4	21,5	21,9	22,4
12H	4H	24,0	24,6	24,5	25,1	25,6	20,5	21,1	21,0	21,5	22,0
	6H	24,6	25,1	25,1	25,6	26,2	20,8	21,3	21,4	21,8	22,3
	8H	25,1	25,5	25,6	26,0	26,5	21,0	21,4	21,5	21,9	22,5

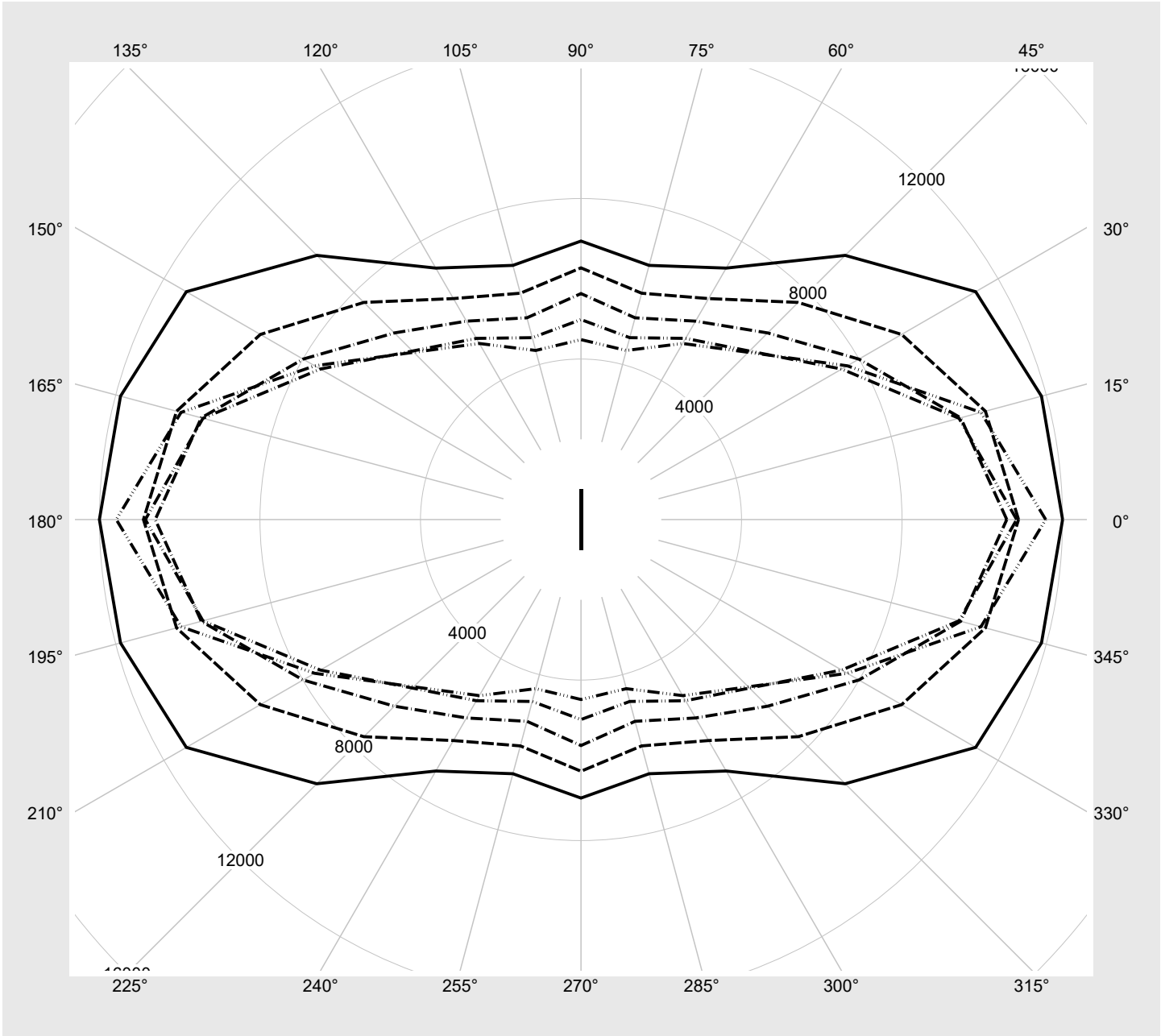
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480, B = 78	H(C0) = 13, H(C90) = 0	H(C180) = 13, H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		31624.6	32955.8	34299.4	28930.0	19781.1	14721.6	13727.8	
50°		23578.9	24517.2	25638.2	21275.5	14416.7	11139.9	10699.2	
55°		18069.4	18642.3	19243.9	15685.4	10861.3	8928.7	8943.0	
60°		14254.2	14490.4	14571.6	11853.9	8618.3	7508.2	7784.7	
65°		12001.2	11880.0	11356.3	9310.6	7236.0	6557.7	6940.4	
70°		10903.3	10433.4	9226.3	7652.8	6359.1	5839.5	6272.2	
75°		10610.3	9795.4	7996.8	6577.7	5709.2	5205.2	5631.5	
80°		10856.7	9752.8	7501.3	5938.7	5213.2	4692.9	4983.8	
85°		11580.1	10318.2	7662.9	5894.9	5066.5	4362.9	4484.3	

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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	12460	68.9	83.2	76.1
2	A	C	F	12030	66.3	80.2	73.2
3	A	D	E	11011	60.3	72.4	66.4
4	A	D	F	9972	54.3	65.0	59.6
5	B	C	E	8996	48.8	58.1	53.4
6	B	C	F	8030	43.3	51.8	47.6
7	B	D	E	7033	37.9	45.0	41.4
8	B	D	F	6025	32.5	38.3	35.4