

## Lichttechnischer Prüfbefund

**Familie**  
**Licross® Protected**

**Bestell-Nr.: 51TP12CN48XF**  
**EAN: 4058352210413**

**LP-Nummer**  
**58524\_27**



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-Multilumen CLOi  
**Bemessungswerte** Nettolichtstrom = 8180 lm  
 Systemleistung = 49.0 W  
 Lichtausbeute = 166.9 lm/W

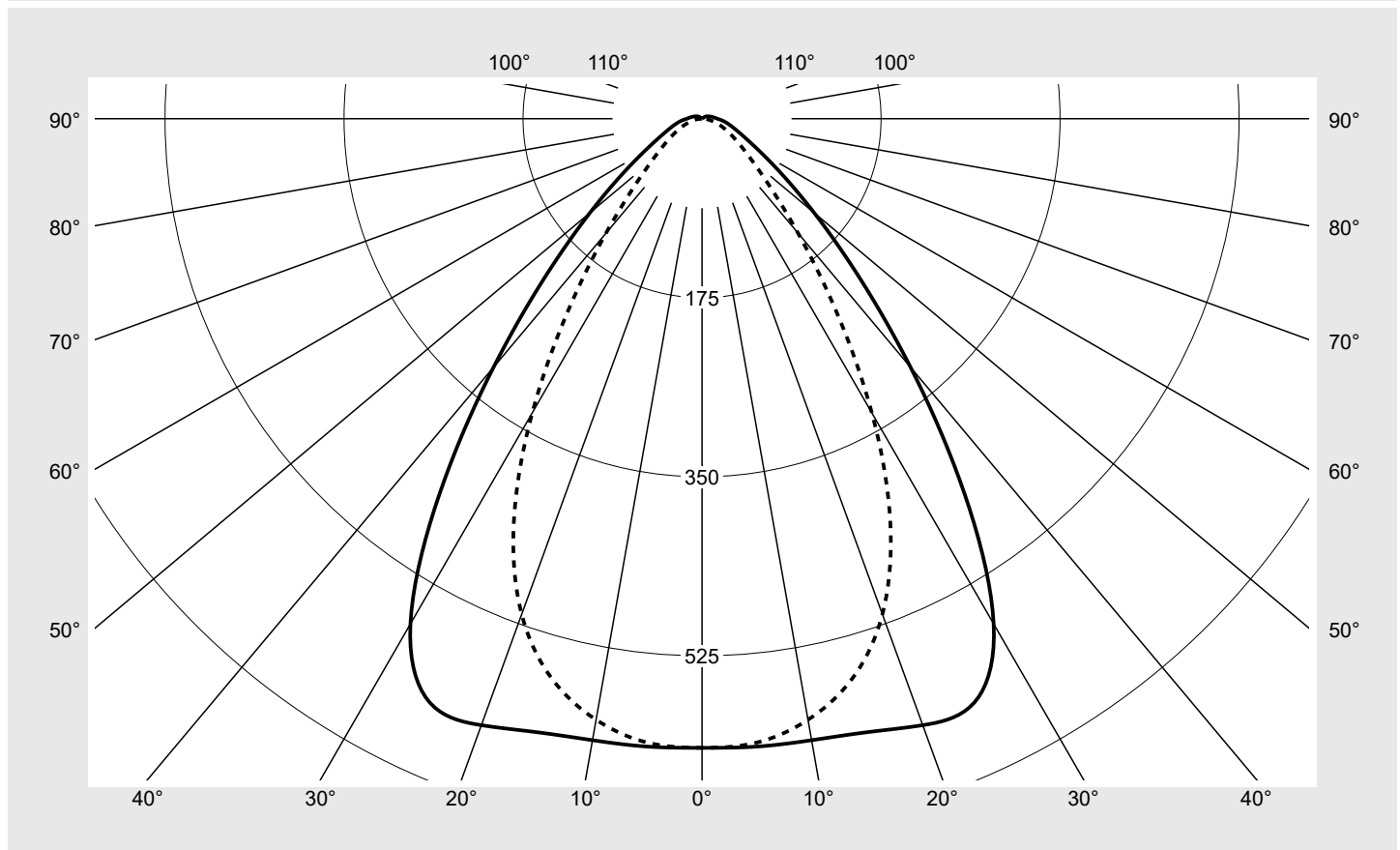
**Seriendokumentation**  
**12.12.2019**

**siteco**

**Lichtstärke in cd/klm**

**C180-0** **C270-90**

**Imax: 631 cd/klm**



**Klassifizierungen**

DIN 5040 A 5 1  
 CIE N1=73 N2=92 N3=98  
 N4=99 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  98,6%  
 $\phi_o$  1,4%

**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°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	3.7	3.7
5°	616.1	614.1	609.7	611.1	612.9	611.9	612.2	29.3	32.9
10°	616.9	615.1	606.4	602.8	600.3	597.0	596.6	57.6	90.5
15°	620.9	617.8	600.9	587.5	576.7	568.6	566.8	83.8	174.3
20°	630.8	623.5	591.7	561.2	536.7	520.1	515.5	106.4	280.7
25°	629.8	620.7	576.3	523.2	476.9	445.6	435.5	122.6	403.3
30°	570.2	568.9	534.3	469.6	398.0	348.4	331.9	126.5	529.9
35°	447.2	456.9	450.2	394.1	307.5	246.5	227.0	114.9	644.8
40°	317.0	331.0	344.1	303.2	220.2	163.1	146.0	93.6	738.3
45°	213.9	226.3	244.1	214.7	147.7	105.6	94.0	70.6	808.9
50°	143.1	152.0	166.9	144.8	97.7	70.8	64.1	51.5	860.4
55°	96.6	102.1	111.9	95.1	64.8	49.7	46.3	37.0	897.4
60°	67.0	69.6	74.2	63.4	44.8	36.0	34.5	26.8	924.2
65°	49.0	49.5	50.0	42.8	32.0	26.6	25.7	19.7	943.9
70°	37.9	37.0	34.4	29.4	23.3	19.5	18.8	14.8	958.7
75°	30.5	28.7	24.6	20.4	16.6	13.6	12.7	11.1	969.8
80°	24.8	22.7	18.1	14.1	11.2	8.8	7.6	8.2	978.0
85°	19.7	17.8	13.4	9.8	7.1	4.8	3.4	5.9	983.8
90°	14.9	13.4	9.7	6.4	4.0	1.9	0.4	3.9	987.8
95°	12.2	11.1	8.2	5.4	3.1	1.2	0.3	3.2	991.0
100°	10.0	9.2	6.9	4.5	2.4	0.7	0.3	2.6	993.6
105°	8.2	7.6	5.7	3.6	1.7	0.4	0.3	2.1	995.6
110°	6.8	6.2	4.6	2.7	1.1	0.3	0.3	1.6	997.2
115°	5.5	5.0	3.7	2.0	0.7	0.4	0.4	1.2	998.4
120°	4.3	3.8	2.7	1.4	0.6	0.5	0.5	0.9	999.3
125°	3.1	2.7	1.8	0.9	0.6	0.6	0.6	0.6	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	20,6	22,0	20,9	22,3	22,6	17,3	18,7	17,7	19,1	19,4
	3H	21,0	22,2	21,4	22,6	22,9	17,7	18,9	18,0	19,3	19,6
	4H	21,2	22,4	21,6	22,7	23,1	17,8	19,0	18,2	19,4	19,7
	6H	21,5	22,6	21,9	22,9	23,3	17,9	19,0	18,4	19,4	19,8
	8H	21,8	22,7	22,2	23,0	23,5	18,0	19,0	18,5	19,4	19,8
	12H	21,9	22,8	22,4	23,2	23,6	18,1	19,0	18,5	19,4	19,8
4H	2H	20,6	21,8	21,0	22,2	22,5	17,8	19,0	18,2	19,4	19,7
	3H	21,2	22,2	21,6	22,6	23,0	18,3	19,3	18,7	19,7	20,1
	4H	21,5	22,4	22,0	22,8	23,2	18,5	19,4	19,0	19,8	20,3
	6H	21,9	22,7	22,4	23,1	23,6	18,7	19,5	19,2	19,9	20,4
	8H	22,2	22,8	22,6	23,3	23,8	18,8	19,5	19,3	19,9	20,4
	12H	22,5	23,0	22,9	23,5	24,0	18,9	19,5	19,4	19,9	20,4
8H	4H	21,5	22,2	22,0	22,7	23,1	18,8	19,4	19,2	19,9	20,4
	6H	22,0	22,6	22,5	23,1	23,6	19,1	19,6	19,5	20,1	20,6
	8H	22,3	22,8	22,8	23,3	23,8	19,2	19,7	19,7	20,2	20,7
	12H	22,7	23,1	23,3	23,6	24,2	19,3	19,7	19,8	20,2	20,7
12H	4H	21,5	22,1	22,0	22,6	23,1	18,8	19,4	19,3	19,9	20,4
	6H	22,0	22,5	22,5	23,0	23,5	19,2	19,6	19,7	20,1	20,6
	8H	22,4	22,8	22,9	23,3	23,8	19,3	19,7	19,8	20,2	20,8

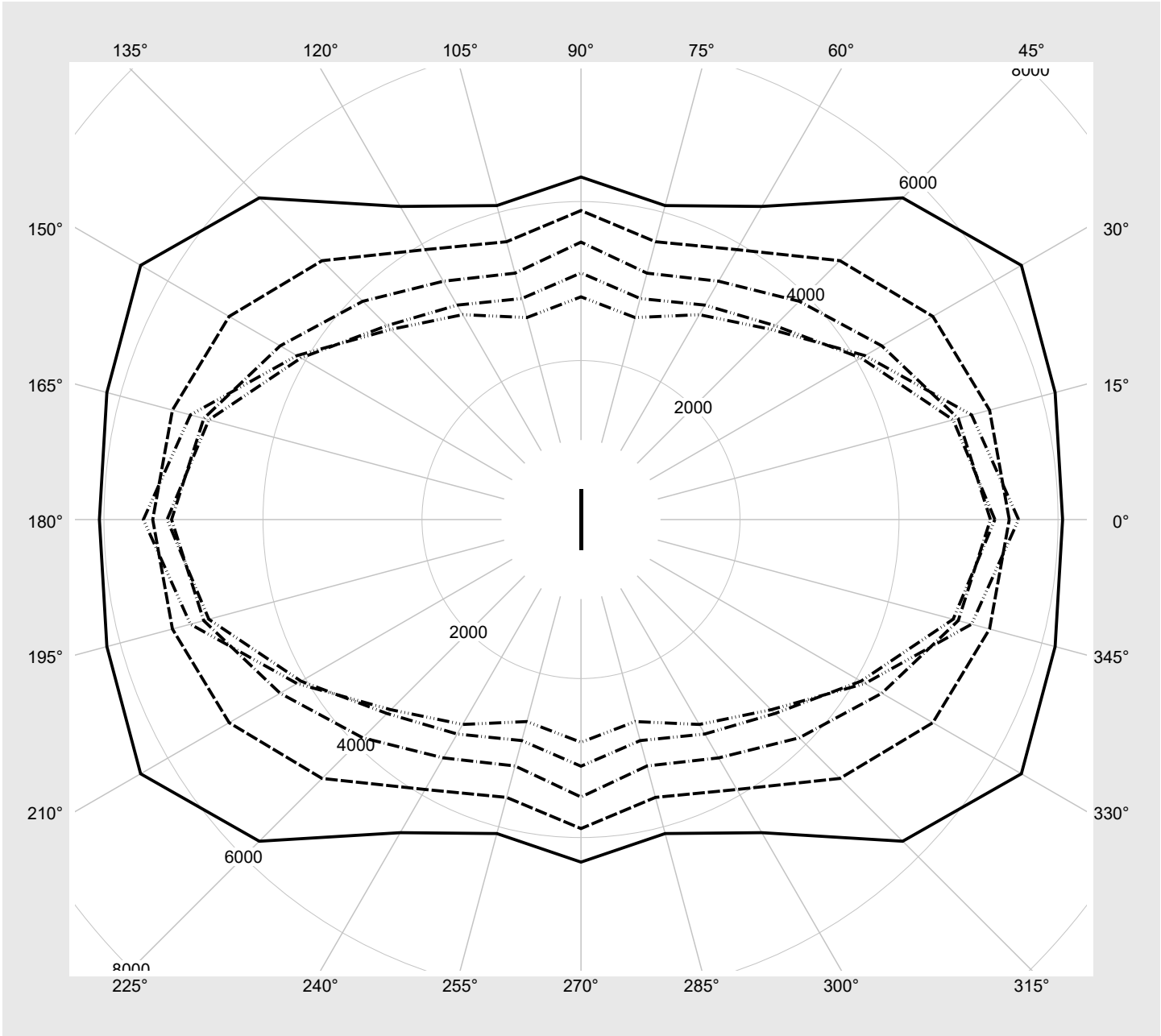
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		18375.7	19529.6	21375.4	19244.9	13660.4	10146.4	9423.4	
50°		13157.4	14059.5	15702.3	14000.4	9797.8	7420.5	7061.7	
55°		9635.4	10251.9	11458.3	10055.8	7154.5	5779.4	5720.7	
60°		7372.7	7712.2	8415.0	7459.5	5542.4	4752.2	4883.8	
65°		6057.6	6173.9	6395.9	5722.4	4547.9	4088.9	4308.9	
70°		5386.8	5320.3	5110.2	4605.4	3920.7	3618.0	3886.9	
75°		5149.8	4912.5	4369.7	3882.6	3461.8	3208.7	3489.9	
80°		5206.1	4846.0	4066.3	3449.9	3114.9	2878.2	3102.5	
85°		5504.2	5086.1	4124.6	3382.6	2976.0	2630.6	2801.7	

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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	8180	49.0	54.4	51.7
2	A	C	F	7550	44.8	49.8	47.3
3	A	D	E	7060	41.7	46.2	44.0
4	A	D	F	6500	38.1	42.1	40.1
5	B	C	E	6050	35.5	39.0	37.2
6	B	C	F	5550	32.5	35.5	34.0
7	B	D	E	5050	29.4	32.0	30.7
8	B	D	F	4540	26.4	29.0	27.7