

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 52TP11CN4C5S**  
**EAN: 4058352903643**

**LP-Nummer**  
**58525\_165**



**Ausführung** Prismenabdeckung, satiniert, eng strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-Multilumen CLOi

**Bemessungswerte**  
Nettolichtstrom = 12650 lm  
Systemleistung = 68.9 W  
Lichtausbeute = 183.6 lm/W

**Seriendokumentation**  
17.08.2023

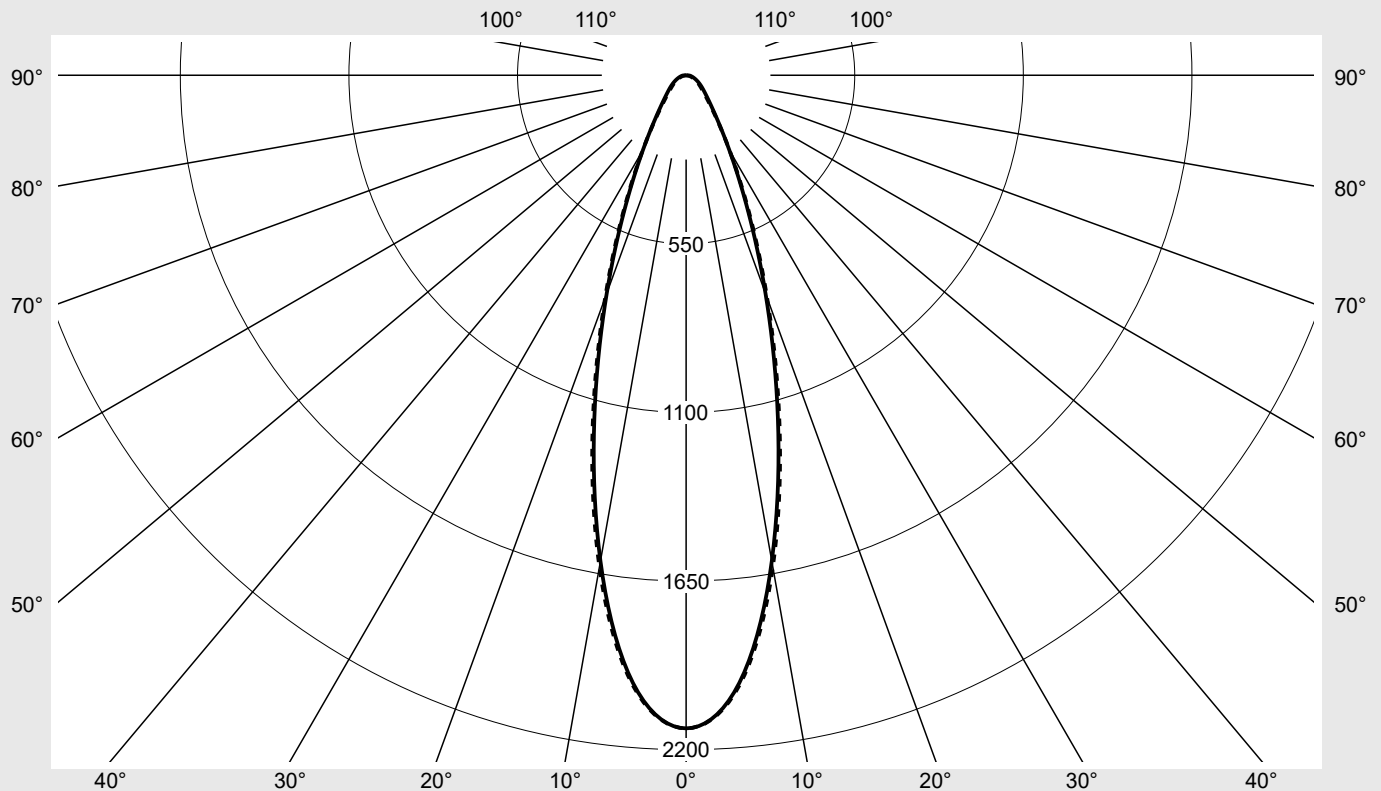
**sITeco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 2130 cd/klm**



**Klassifizierungen**

DIN 5040 A 7 1  
CIE N1=84 N2=94 N3=98  
N4=99 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  99,1%  
 $\phi_o$  0,9%

**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°	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	12.7	12.7
5°	1990.0	1982.4	1972.8	1980.9	1991.5	1994.0	1997.3	94.9	107.6
10°	1609.4	1602.7	1594.9	1604.0	1616.7	1623.6	1628.9	153.3	260.9
15°	1156.5	1152.7	1146.1	1151.7	1161.7	1170.4	1176.7	164.3	425.2
20°	757.1	754.5	751.0	754.8	760.5	766.7	772.3	142.2	567.4
25°	464.1	463.3	461.4	464.7	468.5	471.4	475.4	108.1	675.5
30°	281.8	280.0	276.3	277.8	280.6	282.2	284.6	76.7	752.2
35°	178.8	175.8	169.5	168.1	169.9	172.0	174.0	54.1	806.3
40°	123.8	119.7	111.6	107.8	108.9	112.2	115.0	39.9	846.2
45°	92.5	87.9	79.0	74.1	74.5	78.8	82.8	31.1	877.3
50°	72.9	68.3	60.1	54.9	54.7	59.1	63.7	25.6	902.9
55°	58.5	54.5	47.8	42.9	42.0	45.8	50.2	21.5	924.4
60°	46.6	43.5	38.6	34.6	32.9	35.6	39.1	18.0	942.5
65°	36.7	34.5	31.1	28.0	26.1	27.3	29.5	14.9	957.4
70°	28.5	27.0	24.6	22.5	20.4	20.1	21.2	12.0	969.4
75°	21.8	20.7	19.0	17.5	15.4	14.0	14.0	9.2	978.6
80°	16.2	15.4	14.3	12.9	10.9	8.9	8.1	6.7	985.3
85°	11.7	11.2	10.3	9.1	7.1	4.7	3.5	4.6	989.8
90°	8.1	7.7	6.9	5.8	3.9	1.7	0.3	2.8	992.6
95°	6.9	6.6	5.8	4.7	3.0	1.1	0.2	2.3	994.8
100°	6.0	5.6	4.9	3.8	2.2	0.6	0.2	1.8	996.7
105°	5.1	4.8	4.0	2.9	1.5	0.3	0.2	1.4	998.1
110°	4.3	4.0	3.2	2.2	0.9	0.2	0.2	1.1	999.2
115°	3.6	3.2	2.5	1.6	0.5	0.3	0.3	0.8	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	16,9	18,1	17,2	18,4	18,7	16,5	17,7	16,9	18,0	18,4
	3H	18,0	19,0	18,3	19,4	19,7	17,4	18,5	17,8	18,8	19,2
	4H	18,5	19,4	18,9	19,8	20,2	17,8	18,8	18,2	19,1	19,5
	6H	18,9	19,8	19,4	20,2	20,6	18,1	19,0	18,5	19,4	19,7
	8H	19,2	20,0	19,7	20,4	20,8	18,3	19,0	18,7	19,4	19,8
	12H	19,4	20,1	19,9	20,5	20,9	18,3	19,0	18,8	19,4	19,8
4H	2H	17,1	18,1	17,5	18,5	18,8	16,8	17,8	17,2	18,2	18,5
	3H	18,4	19,2	18,8	19,6	20,0	17,9	18,7	18,3	19,1	19,5
	4H	19,0	19,8	19,5	20,2	20,6	18,4	19,1	18,8	19,5	20,0
	6H	19,7	20,3	20,1	20,7	21,2	18,8	19,4	19,2	19,8	20,3
	8H	20,0	20,5	20,4	21,0	21,5	18,9	19,5	19,4	19,9	20,4
	12H	20,3	20,7	20,8	21,2	21,7	19,0	19,5	19,5	20,0	20,5
8H	4H	19,2	19,8	19,7	20,2	20,7	18,6	19,2	19,1	19,6	20,1
	6H	20,0	20,4	20,5	20,9	21,4	19,2	19,6	19,7	20,1	20,6
	8H	20,4	20,8	20,9	21,3	21,8	19,3	19,7	19,8	20,2	20,8
	12H	20,8	21,1	21,3	21,6	22,2	19,5	19,8	20,0	20,3	20,9
12H	4H	19,3	19,7	19,7	20,2	20,7	18,7	19,1	19,2	19,6	20,1
	6H	20,0	20,4	20,6	20,9	21,4	19,2	19,6	19,8	20,1	20,6
	8H	20,5	20,8	21,0	21,3	21,9	19,5	19,8	20,0	20,3	20,9

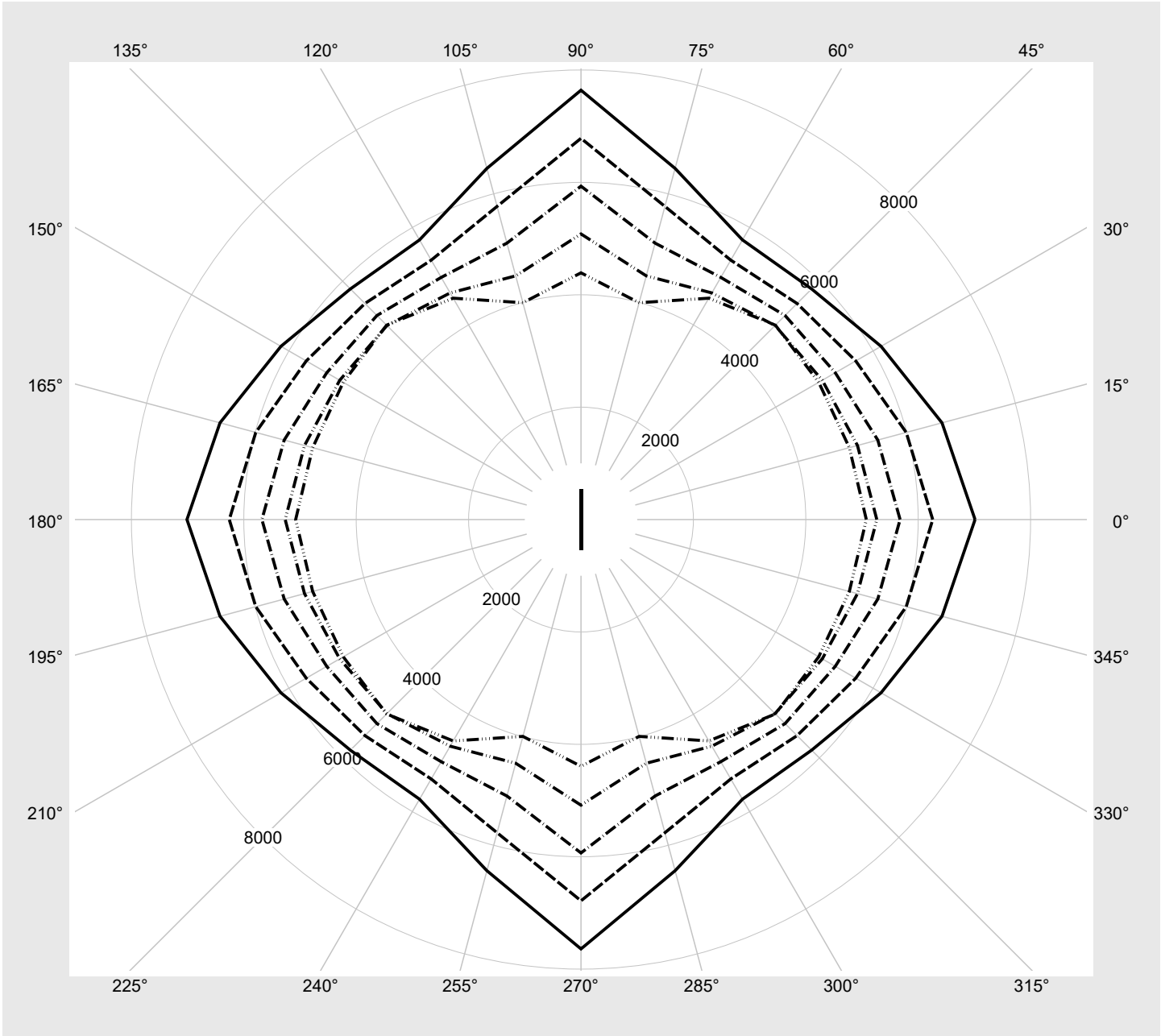
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		12290.8	11727.0	10700.9	10274.5	10660.9	11709.7	12824.0
50°		10369.4	9771.4	8747.6	8212.0	8475.7	9587.8	10852.1
55°		9033.3	8471.2	7570.3	7018.0	7165.8	8248.4	9592.3
60°		7933.3	7461.9	6767.5	6289.1	6309.4	7264.6	8569.2
65°		7011.9	6650.5	6165.4	5803.7	5746.3	6469.3	7640.5
70°		6258.6	5991.3	5645.2	5437.6	5330.6	5769.3	6784.3
75°		5678.1	5467.6	5224.5	5135.4	4975.7	5092.7	5932.9
80°		5263.9	5093.2	4957.6	4883.5	4656.8	4489.6	5082.5
85°		5077.2	4943.1	4884.9	4892.0	4548.8	3994.9	4390.5

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**Leuchtdichten in cd/m²**      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	12650	68.9	83.2	76.1
2	A	C	F	12209	66.3	80.2	73.2
3	A	D	E	11180	60.3	72.4	66.4
4	A	D	F	10130	54.3	65.0	59.6
5	B	C	E	9144	48.8	58.1	53.4
6	B	C	F	8146	43.3	51.8	47.6
7	B	D	E	7139	37.9	45.0	41.4
8	B	D	F	6120	32.5	38.3	35.4