

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 52TP12MN4A5G**  
**EAN: 4058352904046**

**LP-Nummer**  
**58524\_263**



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-Multilumen  
**Bemessungswerte** Nettolichtstrom = 10750 lm  
 Systemleistung = 60.5 W  
 Lichtausbeute = 177.7 lm/W

**Seriendokumentation**  
**24.08.2023**

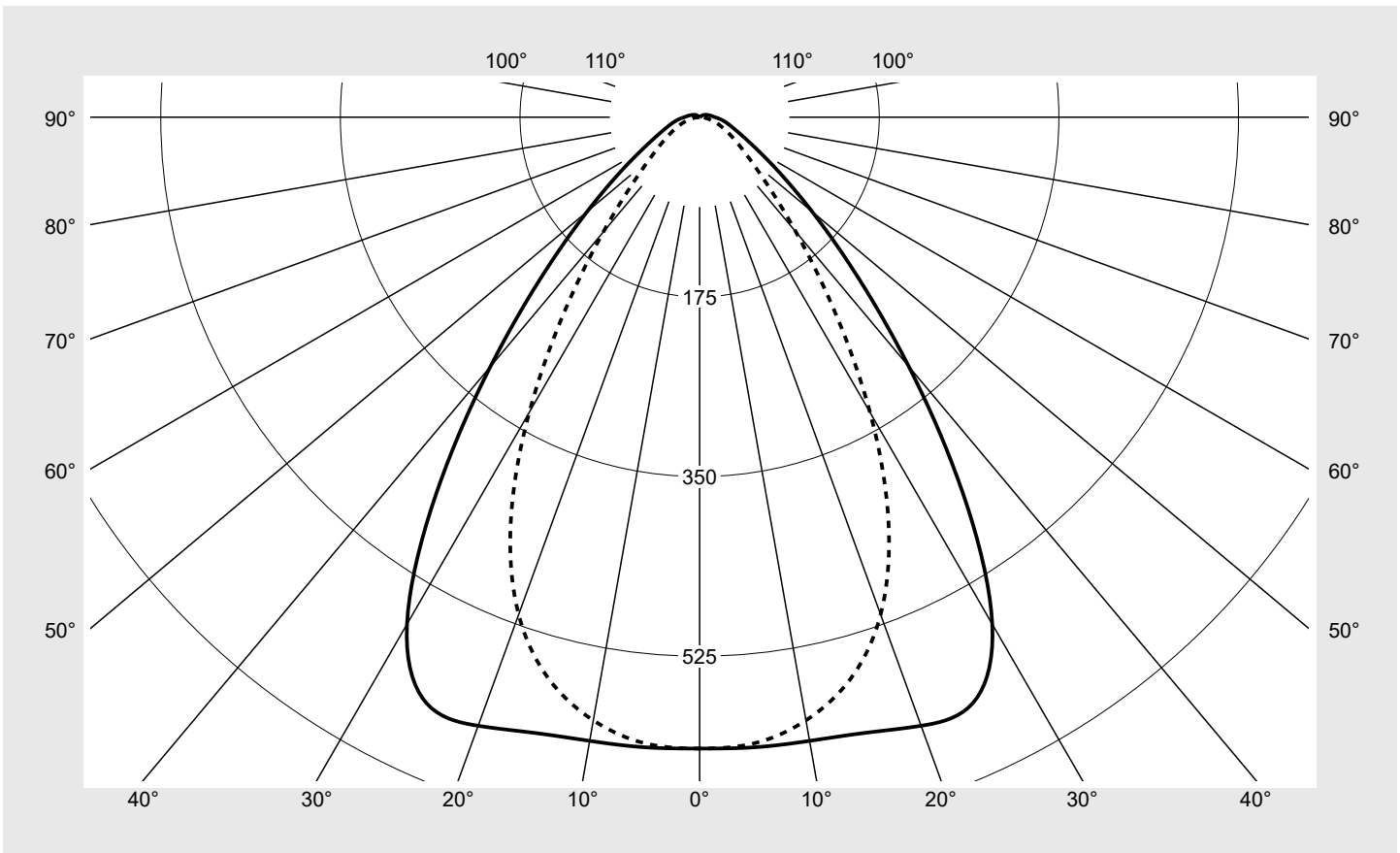
**siteco**

**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°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
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									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	21,5	23,0	21,9	23,3	23,6	18,3	19,7	18,6	20,0	20,3
	3H	21,9	23,2	22,3	23,5	23,9	18,6	19,9	19,0	20,2	20,6
	4H	22,2	23,3	22,6	23,7	24,1	18,8	20,0	19,2	20,3	20,7
	6H	22,5	23,5	22,9	23,9	24,3	18,9	20,0	19,3	20,4	20,8
	8H	22,7	23,6	23,1	24,0	24,4	19,0	20,0	19,4	20,4	20,8
	12H	22,9	23,7	23,3	24,1	24,5	19,0	20,0	19,4	20,3	20,8
4H	2H	21,6	22,8	22,0	23,1	23,5	18,8	20,0	19,2	20,3	20,7
	3H	22,1	23,1	22,6	23,5	23,9	19,3	20,2	19,7	20,6	21,0
	4H	22,5	23,3	22,9	23,8	24,2	19,5	20,4	19,9	20,8	21,2
	6H	22,9	23,6	23,3	24,1	24,5	19,7	20,4	20,1	20,9	21,3
	8H	23,1	23,8	23,6	24,2	24,7	19,7	20,5	20,2	20,9	21,4
	12H	23,4	24,0	23,9	24,4	24,9	19,8	20,4	20,3	20,9	21,4
8H	4H	22,5	23,2	22,9	23,6	24,1	19,7	20,4	20,2	20,8	21,3
	6H	23,0	23,5	23,5	24,0	24,5	20,0	20,6	20,5	21,0	21,5
	8H	23,3	23,8	23,8	24,3	24,8	20,1	20,6	20,6	21,1	21,6
	12H	23,7	24,1	24,2	24,6	25,1	20,2	20,6	20,7	21,1	21,7
12H	4H	22,5	23,1	23,0	23,5	24,0	19,8	20,4	20,3	20,8	21,3
	6H	23,0	23,5	23,5	24,0	24,5	20,1	20,6	20,6	21,1	21,6
	8H	23,3	23,7	23,8	24,2	24,8	20,3	20,7	20,8	21,2	21,7

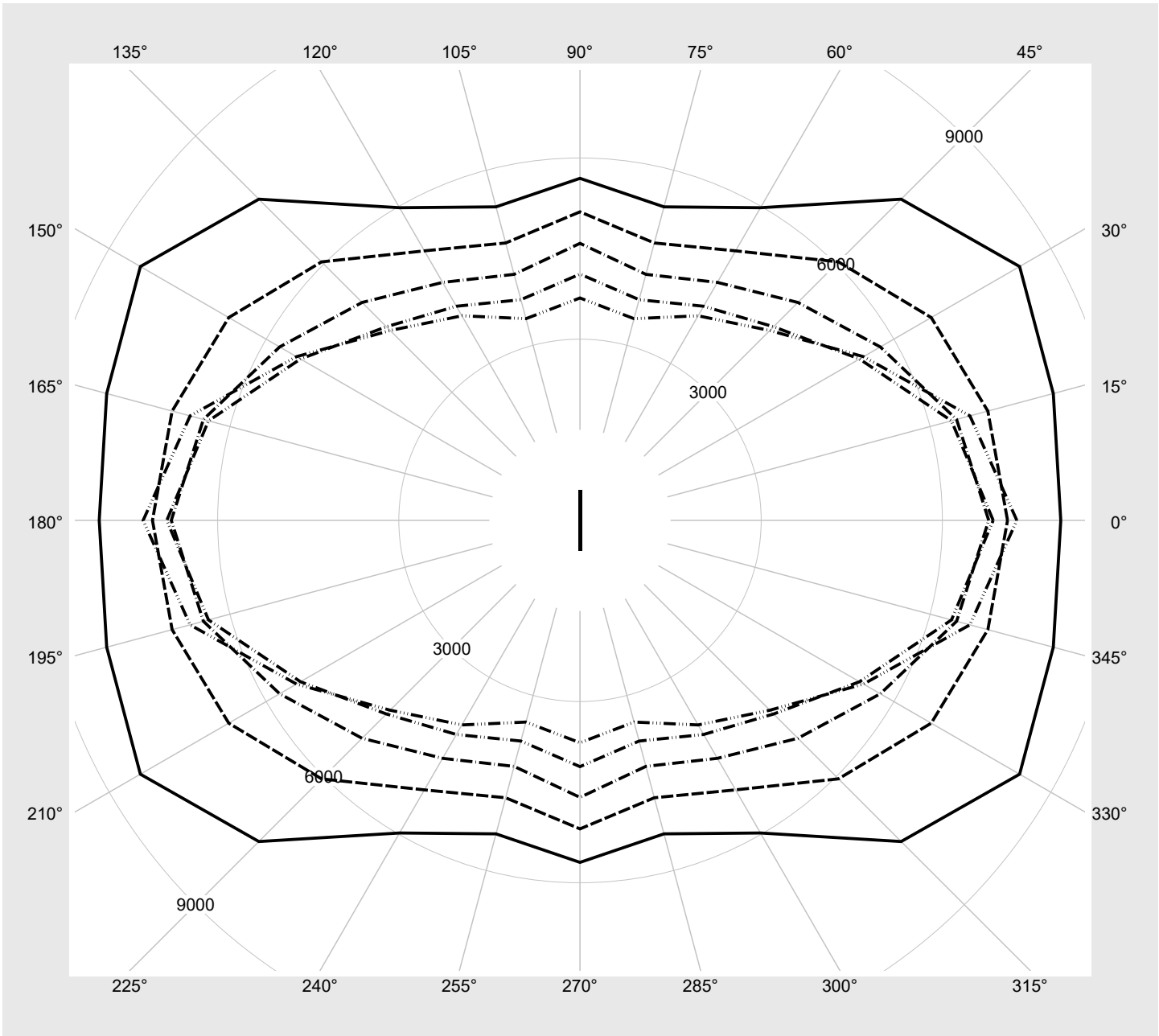
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		24148.9	25665.5	28091.2	25291.3	17952.2	13334.2	12384.0	
50°		17291.2	18476.7	20635.7	18399.0	12876.1	9751.9	9280.4	
55°		12662.6	13472.8	15058.3	13215.1	9402.3	7595.2	7518.1	
60°		9689.0	10135.2	11058.9	9803.1	7283.7	6245.2	6418.2	
65°		7960.8	8113.7	8405.4	7520.3	5976.8	5373.6	5662.7	
70°		7079.3	6991.8	6715.7	6052.4	5152.5	4754.7	5108.1	
75°		6767.8	6455.9	5742.5	5102.5	4549.4	4216.9	4586.3	
80°		6841.7	6368.5	5343.9	4533.8	4093.5	3782.5	4077.2	
85°		7233.5	6684.0	5420.5	4445.4	3911.0	3457.1	3681.9	

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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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## Multilumen-Tabelle

Umgebungstemperatur: 25°C

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DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]
	1	2	3		
1	A	C	E	10750	60.5
2	A	C	F	9868	56.1
3	A	D	E	9375	53.1
4	A	D	F	8881	50.0
5	B	C	E	8388	47.0
6	B	C	F	7874	43.9
7	B	D	E	7370	41.0
8	B	D	F	6929	38.4