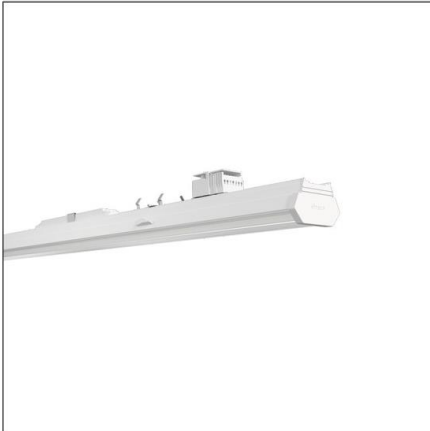


## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 52TP11MN4FXS**  
**EAN: 4058352903803**

**LP-Nummer**  
**58525\_181**



**Ausführung** Prismenabdeckung, satiniert, eng strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-Multilumen  
**Bemessungswerte** Nettolichtstrom = 15020 lm  
 Systemleistung = 83.2 W  
 Lichtausbeute = 180.5 lm/W

**Seriendokumentation**  
**24.08.2023**

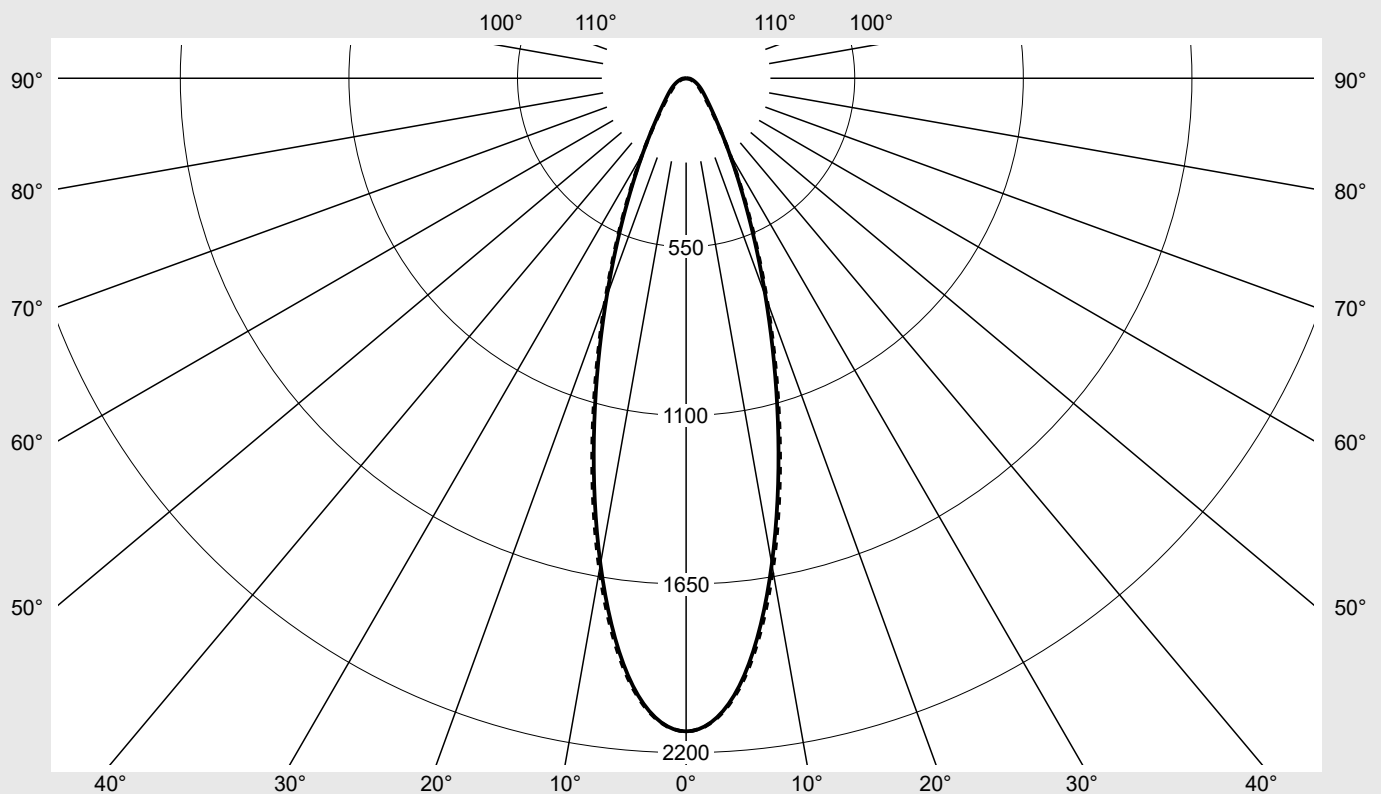
**siteco**

**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

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Licross® 21 Protected</b>	<b>Bestell-Nr.: 52TP11MN4FXS</b> <b>EAN: 4058352903803</b>	<b>LP-Nummer</b> <b>58525_181</b>
<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									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	17,5	18,7	17,8	19,0	19,3	17,1	18,3	17,5	18,6	18,9
	3H	18,6	19,6	18,9	20,0	20,3	18,0	19,1	18,4	19,4	19,8
	4H	19,1	20,0	19,5	20,4	20,8	18,4	19,4	18,8	19,7	20,1
	6H	19,5	20,4	20,0	20,8	21,2	18,7	19,6	19,1	19,9	20,3
	8H	19,8	20,6	20,3	21,0	21,4	18,9	19,6	19,3	20,0	20,4
	12H	20,0	20,7	20,5	21,1	21,5	18,9	19,6	19,4	20,0	20,4
4H	2H	17,7	18,7	18,1	19,1	19,4	17,4	18,4	17,8	18,7	19,1
	3H	19,0	19,8	19,4	20,2	20,6	18,5	19,3	18,9	19,7	20,1
	4H	19,6	20,4	20,1	20,8	21,2	19,0	19,7	19,4	20,1	20,6
	6H	20,3	20,9	20,7	21,3	21,8	19,4	20,0	19,8	20,4	20,9
	8H	20,6	21,1	21,0	21,6	22,0	19,5	20,1	20,0	20,5	21,0
	12H	20,9	21,3	21,4	21,8	22,3	19,6	20,1	20,1	20,6	21,1
8H	4H	19,8	20,4	20,3	20,8	21,3	19,2	19,8	19,7	20,2	20,7
	6H	20,6	21,0	21,1	21,5	22,0	19,7	20,2	20,2	20,7	21,2
	8H	21,0	21,4	21,5	21,9	22,4	19,9	20,3	20,4	20,8	21,4
	12H	21,4	21,7	21,9	22,2	22,7	20,1	20,4	20,6	20,9	21,5
12H	4H	19,8	20,3	20,3	20,8	21,3	19,3	19,7	19,8	20,2	20,7
	6H	20,6	21,0	21,2	21,5	22,0	19,8	20,2	20,4	20,7	21,2
	8H	21,1	21,4	21,6	21,9	22,4	20,1	20,4	20,6	20,9	21,5

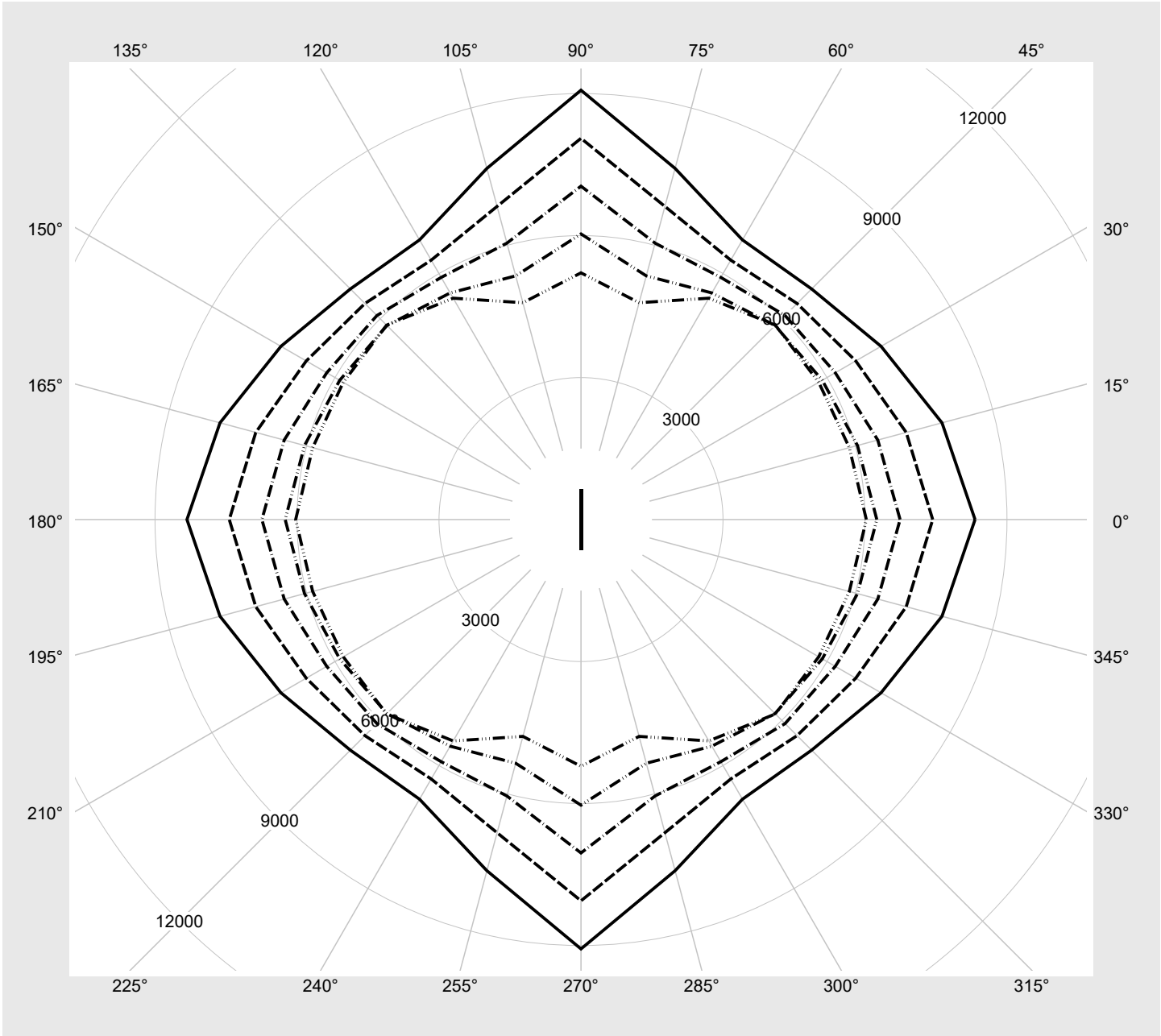
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		14593.5	13924.1	12705.8	12199.4	12658.3	13903.5	15226.6	
50°		12312.1	11602.1	10386.5	9750.5	10063.6	11384.1	12885.2	
55°		10725.6	10058.3	8988.6	8332.9	8508.4	9793.7	11389.5	
60°		9419.6	8859.8	8035.4	7467.4	7491.4	8625.7	10174.7	
65°		8325.5	7896.5	7320.5	6891.0	6822.8	7681.3	9072.0	
70°		7431.1	7113.8	6702.9	6456.3	6329.3	6850.2	8055.4	
75°		6741.9	6492.0	6203.4	6097.5	5907.9	6046.9	7044.5	
80°		6250.1	6047.5	5886.4	5798.4	5529.3	5330.8	6034.7	
85°		6028.4	5869.2	5800.1	5808.5	5401.0	4743.4	5213.0	

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**Leuchtdichten in cd/m<sup>2</sup>**      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**



## Lichttechnischer Prüfbefund

Familie

Licross® 21 Protected

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LP-Nummer

58525\_181

## Multilumen-Tabelle

Umgebungstemperatur: 25°C

SITECO

DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]
	1	2	3		
1	A	C	E	15020	83.2
2	A	C	F	14106	78.5
3	A	D	E	13108	72.4
4	A	D	F	12100	66.3
5	B	C	E	11081	60.3
6	B	C	F	10041	54.3
7	B	D	E	9065	48.8
8	B	D	F	8077	43.3