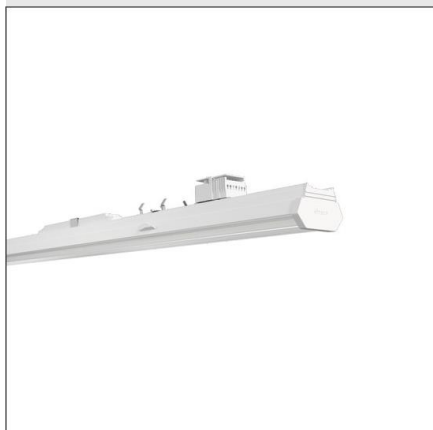


## Lichttechnischer Prüfbefund

## Familie

Licross® 21 Protected



Bestell-Nr.: 52TP13MN4FXS

EAN: 4058352904107

LP-Nummer

58527\_74

## Ausführung

Prismenabdeckung, satiniert, extrem eng strahlend

## Bestückung

LED 4000 K | CRI ≥ 80

## Betriebsgerät

EVG-Multilumen

## Bemessungswerte

Nettolichtstrom = 15060 lm

Systemleistung = 83.2 W

Lichtausbeute = 181 lm/W

## Seriendokumentation

24.08.2023

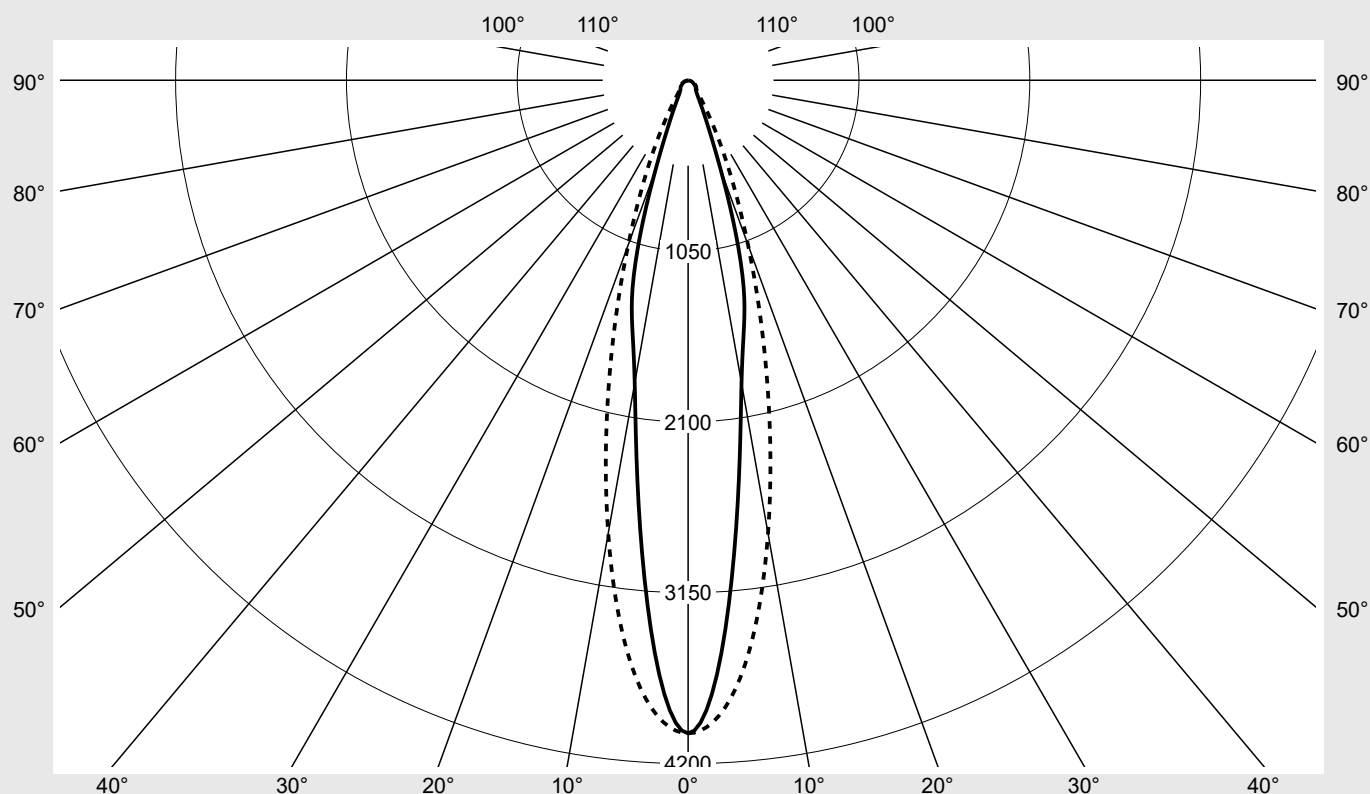
SITECO

## Lichtstärke in cd/klm

C180-0

C270-90

Imax: 4014 cd/klm



## Klassifizierungen

DIN 5040

A 8 1

CIE

N1=89 N2=96 N3=99

N4=100 N5=100

## Leuchtenbetriebswirkungsgrade

 $\eta_{LB}$ 

100,0%

 $\phi_u$ 

99,7%

 $\phi_o$ 

0,3%

## Messbedingungen

DIN EN 13032 und DIN 5032

## Lichttechnischer Prüfbefund

<b>Familie</b> Licross® 21 Protected	<b>Bestell-Nr.: 52TP13MN4FXS</b> <b>EAN: 4058352904107</b>	<b>LP-Nummer</b> <b>58527_74</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°	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	24.0	24.0
5°	3075.0	3073.4	3140.6	3286.7	3470.0	3619.0	3684.9	159.0	183.0
10°	1889.9	1876.2	1856.5	1927.7	2182.7	2591.5	2828.1	203.0	386.0
15°	1318.5	1331.1	1324.1	1227.2	1167.4	1498.4	1861.2	192.4	578.4
20°	585.4	606.8	689.8	798.0	693.5	737.0	1075.9	136.1	714.5
25°	239.7	246.3	276.4	361.8	426.5	351.4	567.8	79.8	794.2
30°	128.7	127.4	129.3	152.0	214.6	178.7	273.1	45.8	840.1
35°	88.6	83.8	76.3	80.1	101.4	103.4	134.8	29.2	869.2
40°	73.1	66.6	55.1	52.3	60.4	70.8	85.4	22.6	891.8
45°	65.6	58.2	44.9	39.5	42.7	55.1	71.6	20.0	911.8
50°	58.1	50.6	38.4	32.4	32.8	44.4	65.0	18.2	930.0
55°	47.1	41.7	33.1	27.2	26.3	35.1	57.2	16.1	946.1
60°	37.8	33.0	27.8	22.9	21.3	27.1	47.5	13.8	959.9
65°	30.0	25.5	22.6	19.4	17.3	20.3	35.6	11.4	971.3
70°	23.9	19.8	17.3	16.1	13.9	14.7	23.4	9.1	980.4
75°	19.2	15.7	12.9	12.9	10.8	10.0	13.4	6.9	987.3
80°	14.6	12.1	9.7	9.6	7.9	6.2	6.6	5.0	992.4
85°	10.5	9.0	7.3	6.7	5.6	3.2	2.3	3.5	995.8
90°	7.5	6.5	5.5	4.5	3.7	1.4	0.2	2.3	998.2
95°	6.1	5.4	4.5	3.6	2.8	0.8	0.2	1.8	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

## Lichttechnischer Prüfbefund

<b>Familie</b> Licross® 21 Protected	<b>Bestell-Nr.: 52TP13MN4FXS</b> <b>EAN: 4058352904107</b>	<b>LP-Nummer</b> <b>58527_74</b>
---	---	-------------------------------------

UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	14,9	16,0	15,3	16,3	16,6	15,5	16,5	15,8	16,9	17,2
	3H	16,5	17,3	16,9	17,6	18,0	17,0	17,7	17,4	18,0	18,4
	4H	16,9	17,8	17,3	18,2	18,6	17,1	18,0	17,5	18,4	18,8
	6H	17,4	18,4	17,8	18,7	19,1	17,2	18,2	17,6	18,5	18,9
	8H	18,0	18,7	18,4	19,0	19,4	17,3	18,2	17,8	18,6	19,0
	12H	18,0	18,8	18,4	19,2	19,6	17,3	18,2	17,8	18,6	19,0
4H	2H	15,2	16,0	15,6	16,4	16,8	15,6	16,5	16,0	16,9	17,2
	3H	16,6	17,4	17,1	17,8	18,2	16,9	17,7	17,4	18,1	18,5
	4H	17,4	18,1	17,9	18,5	19,0	17,4	18,1	17,9	18,5	19,0
	6H	18,0	18,8	18,4	19,2	19,7	17,5	18,3	18,0	18,8	19,2
	8H	18,6	19,1	19,1	19,6	20,1	17,9	18,4	18,4	18,9	19,3
	12H	18,8	19,4	19,2	19,9	20,4	17,7	18,4	18,2	18,8	19,3
8H	4H	17,6	18,1	18,1	18,5	19,0	17,6	18,1	18,1	18,6	19,0
	6H	18,8	18,9	19,3	19,4	20,0	18,1	18,5	18,6	19,0	19,5
	8H	19,0	19,3	19,5	19,8	20,3	18,2	18,6	18,7	19,1	19,6
	12H	19,2	19,7	19,7	20,2	20,7	18,0	18,6	18,5	19,1	19,6
12H	4H	17,3	18,0	17,8	18,4	18,9	17,4	18,0	17,9	18,5	19,0
	6H	18,3	18,8	18,8	19,3	19,8	17,8	18,4	18,3	18,9	19,4
	8H	18,7	19,3	19,3	19,8	20,3	18,0	18,6	18,6	19,1	19,6

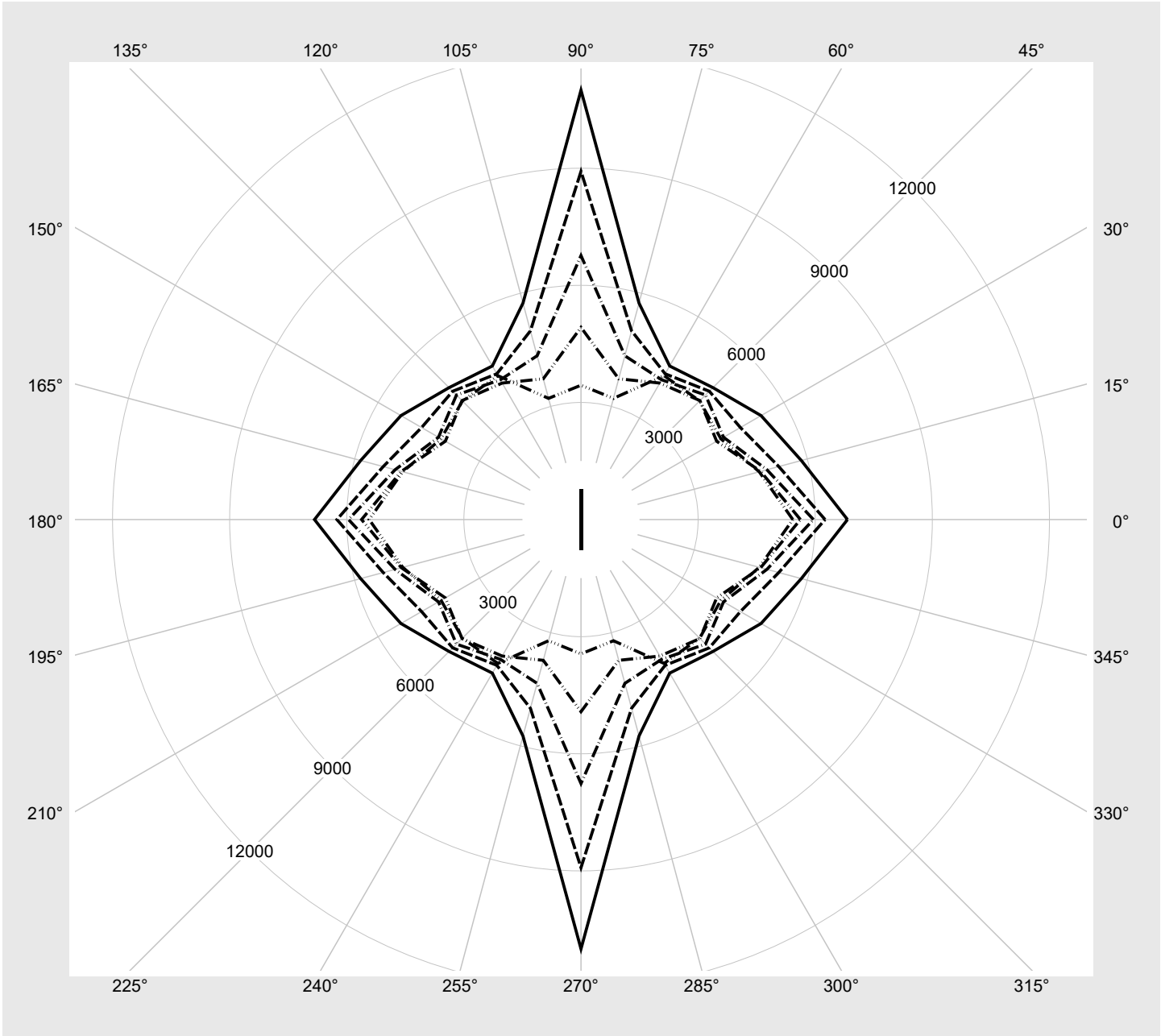
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480 B = 78	H(C0) = 13 H(C90) = 0	H(C180) = 13 H(C270) = 0
--	--	--------------------------	-----------------------------

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°		10381.6	9242.9	7242.7	6518.9	7279.6	9753.6	13212.9	
50°		9829.2	8610.3	6646.7	5764.5	6049.8	8573.5	13191.3	
55°		8661.9	7706.3	6242.7	5289.6	5342.8	7517.7	13002.8	
60°		7655.5	6724.9	5806.9	4961.4	4862.0	6572.2	12382.2	
65°		6826.8	5843.8	5326.2	4779.4	4542.4	5741.1	10999.2	
70°		6252.4	5245.0	4714.9	4648.5	4311.4	5005.8	8917.9	
75°		5955.0	4930.6	4216.0	4511.8	4133.9	4343.3	6762.8	
80°		5621.4	4764.5	4013.0	4309.4	4038.0	3733.3	4922.3	
85°		5426.2	4727.5	4138.4	4297.8	4256.3	3214.1	3441.2	

**Lichttechnischer Prüfbefund**

<b>Familie</b> Licross® 21 Protected	<b>Bestell-Nr.: 52TP13MN4FXS</b> <b>EAN: 4058352904107</b>	<b>LP-Nummer</b> <b>58527_74</b>
---	---	-------------------------------------

**Leuchtdichten in cd/m²**       $\gamma$  65°     $\gamma$  70°     $\gamma$  75°     $\gamma$  80°     $\gamma$  85°



## Lichttechnischer Prüfbefund

Familie

Licross® 21 Protected

Bestell-Nr.: 52TP13MN4FXS

EAN: 4058352904107

LP-Nummer

58527\_74

## Multilumen-Tabelle

Umgebungstemperatur: 25°C

SITECO

DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]
	1	2	3		
1	A	C	E	15060	83.2
2	A	C	F	14140	78.5
3	A	D	E	13140	72.4
4	A	D	F	12130	66.3
5	B	C	E	11110	60.3
6	B	C	F	10060	54.3
7	B	D	E	9080	48.8
8	B	D	F	8100	43.3