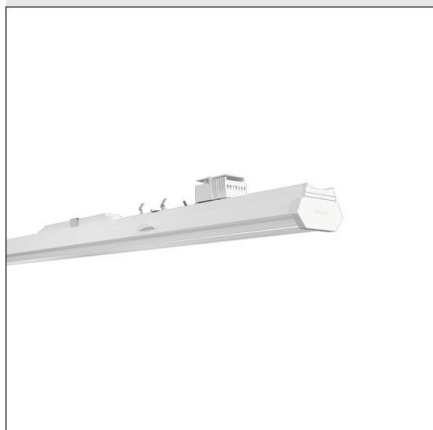


Lichttechnischer Prüfbefund

Familie
Licross® 21 Protected

Bestell-Nr.: 52TD13MN4FXS
EAN: 4058352902943

LP-Nummer
58527_73



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

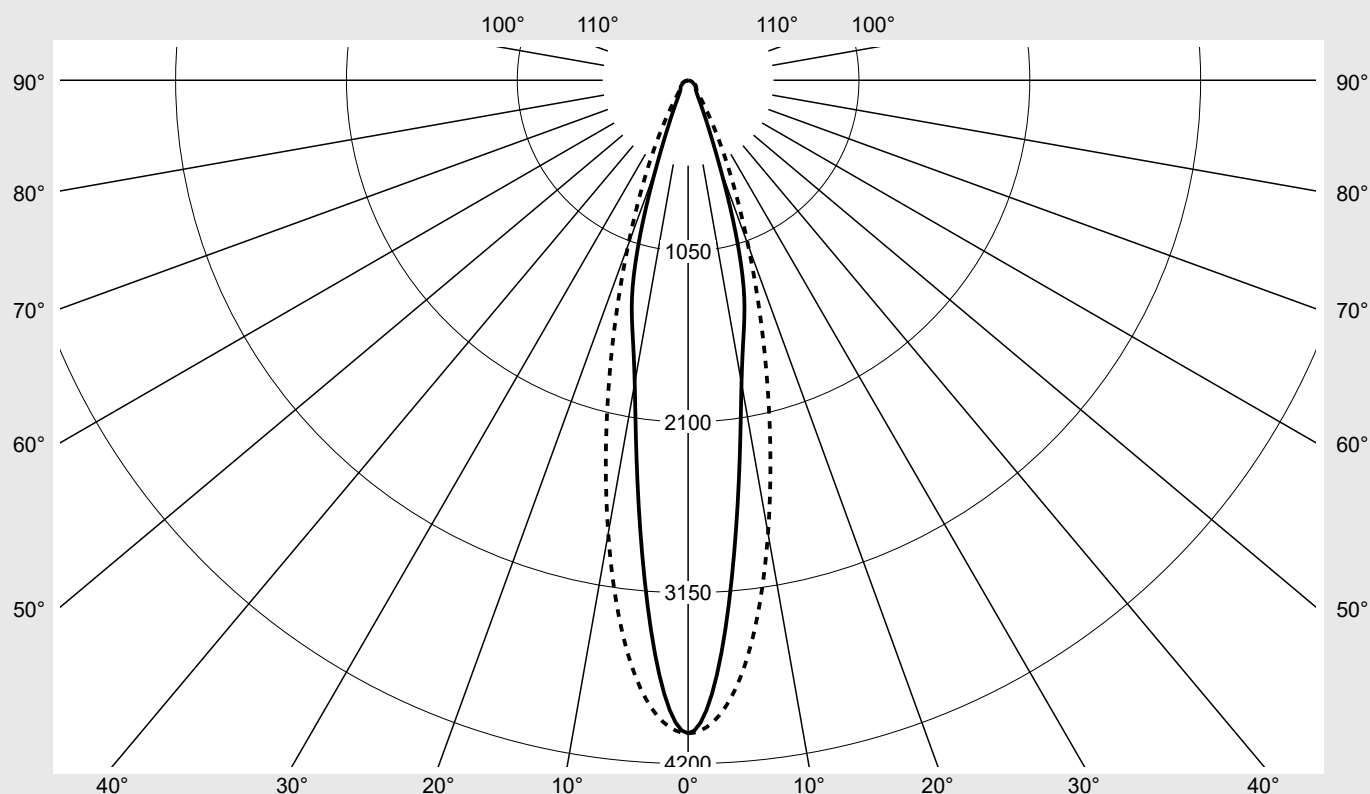
siteco

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

η_{LB} 100,0%
 ϕ_u 99,7%
 ϕ_o 0,3%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Licross® 21 Protected	Bestell-Nr.: 52TD13MN4FXS EAN: 4058352902943	LP-Nummer 58527_73
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Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	sITeco
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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

Familie Licross® 21 Protected	Bestell-Nr.: 52TD13MN4FXS EAN: 4058352902943	LP-Nummer 58527_73
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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

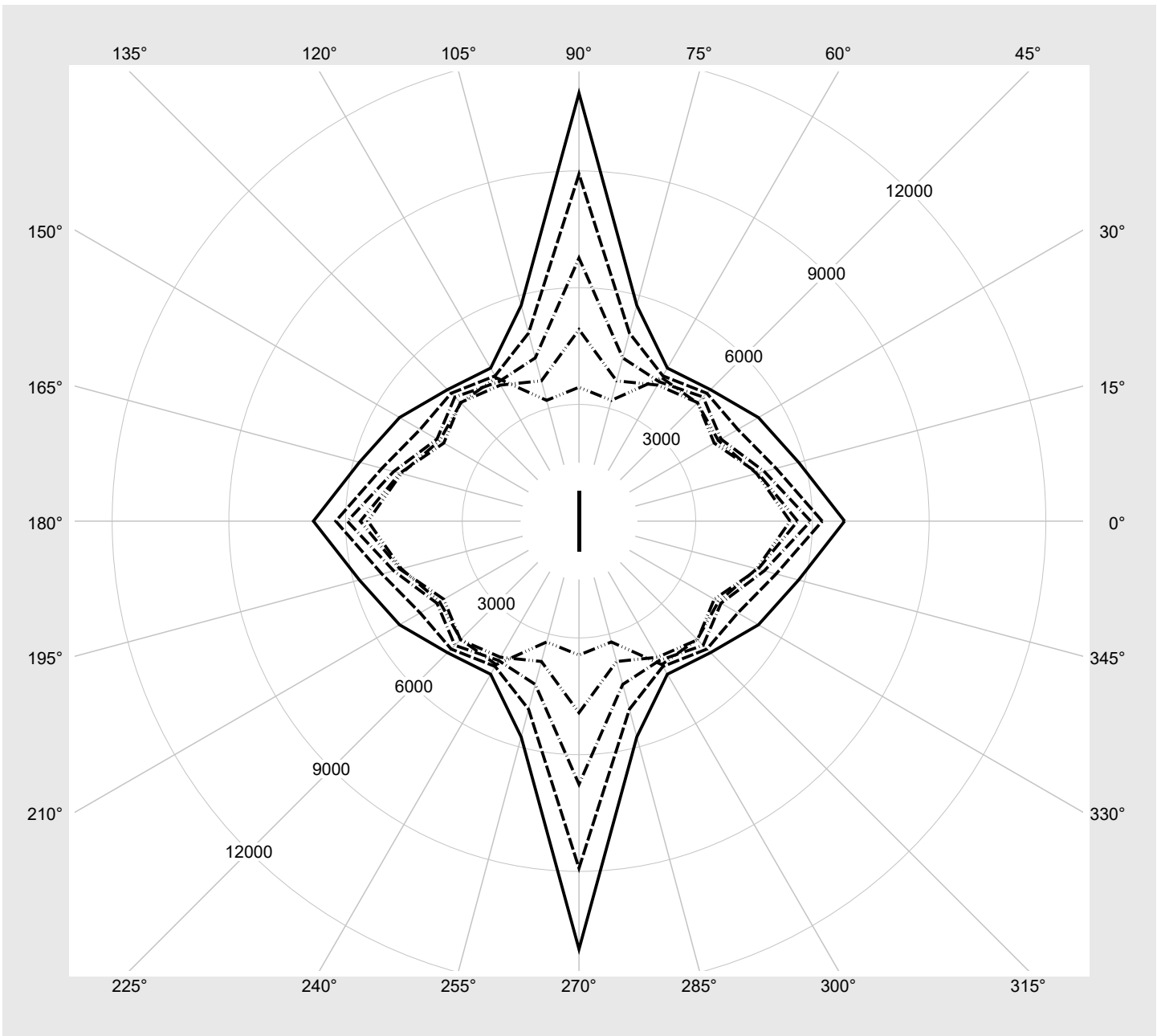
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13 H(C90) = 0	H(C180) = 13 H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 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		

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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Lichttechnischer Prüfbefund

Familie

Licross® 21 Protected

Bestell-Nr.: 52TD13MN4FXS

EAN: 4058352902943

LP-Nummer

58527_73

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	14146	78.5
3	A	D	E	13138	72.4
4	A	D	F	12130	66.3
5	B	C	E	11111	60.3
6	B	C	F	10061	54.3
7	B	D	E	9084	48.8
8	B	D	F	8097	43.3