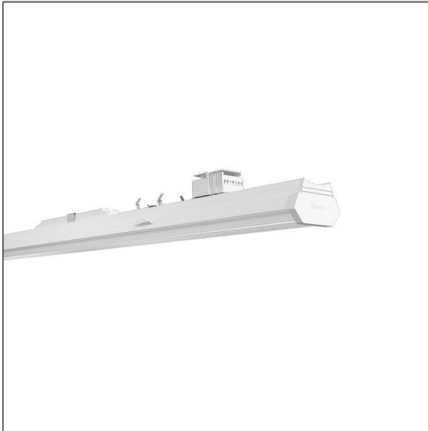


Lichttechnischer Prüfbefund

Familie

Licross® 21 Protected



Bestell-Nr.: 52TP13CN4C5S

EAN: 4058352904084

LP-Nummer

58527_58

Ausführung

Prismenabdeckung, satiniert, extrem eng strahlend

Bestückung

LED 4000 K | CRI ≥ 80

Betriebsgerät

EVG-Multilumen CLOi

Bemessungswerte

Nettolichtstrom = 12680 lm

Systemleistung = 68.9 W

Lichtausbeute = 184 lm/W

Seriendokumentation
17.08.2023

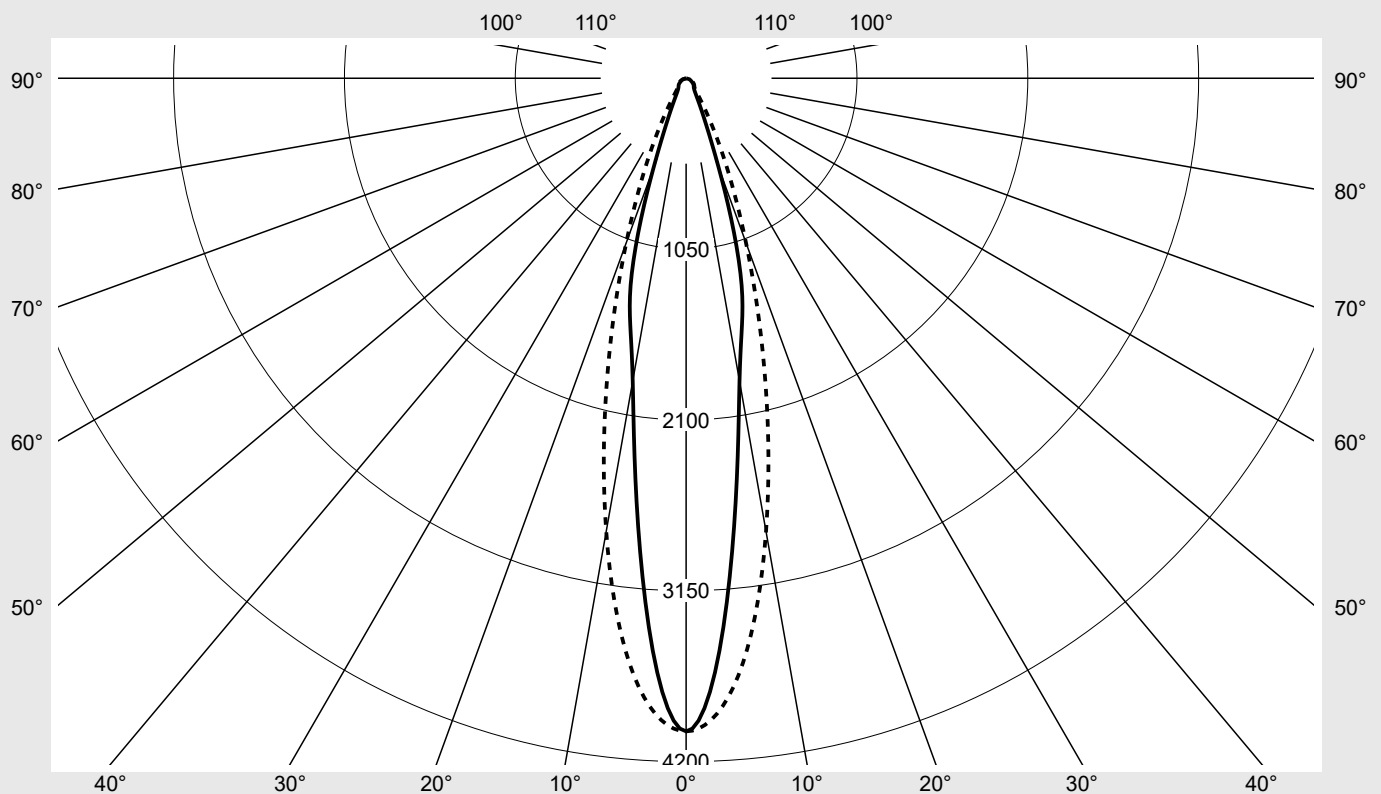
SITECO

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

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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

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

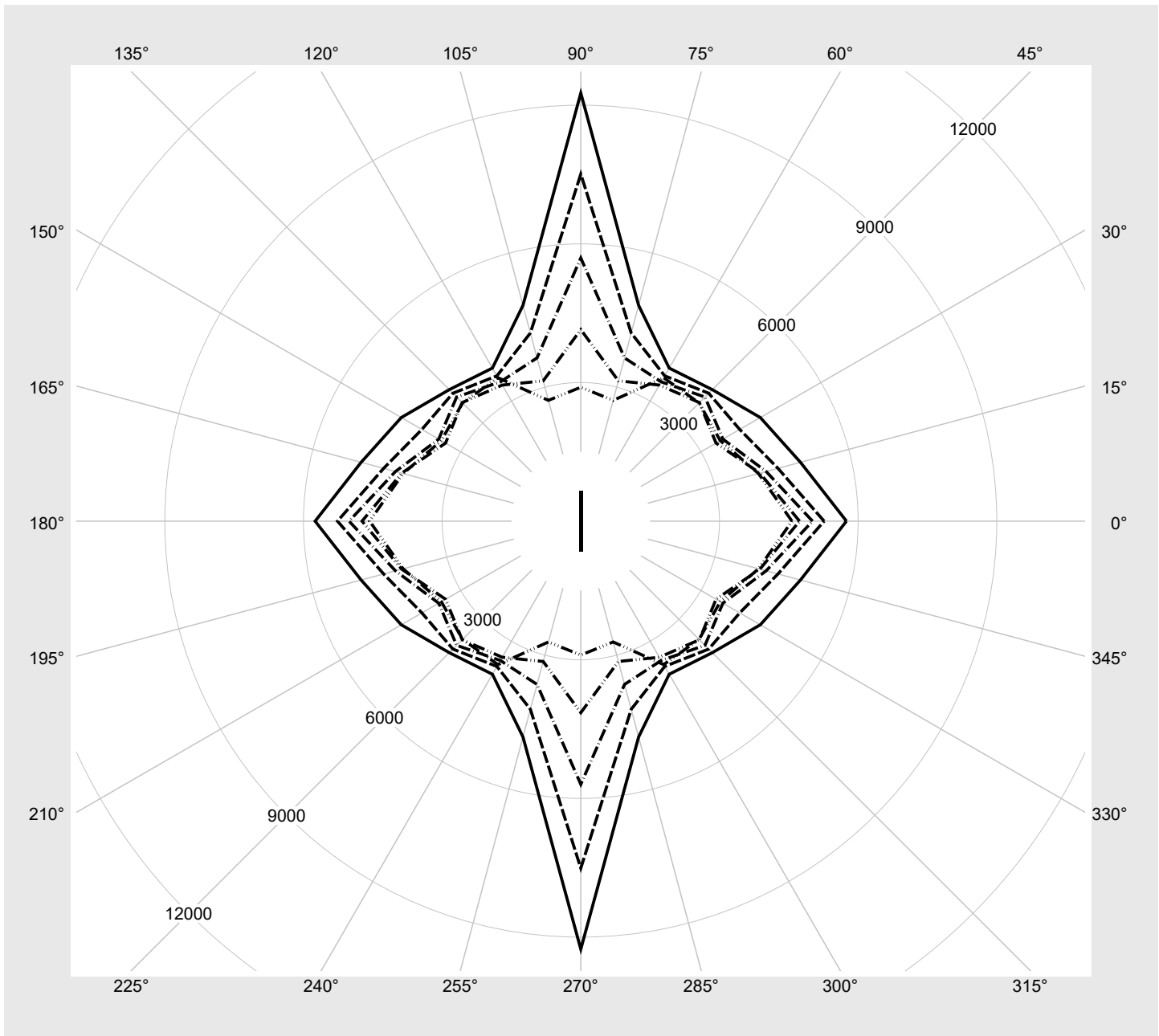
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13	H(C90) = 0	H(C180) = 13	H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		8741.0	7782.2	6098.1	5488.7	6129.2	8212.2	11124.8
50°		8275.9	7249.6	5596.3	4853.5	5093.7	7218.6	11106.6
55°		7293.0	6488.5	5256.2	4453.7	4498.4	6329.6	10947.9
60°		6445.7	5662.1	4889.2	4177.3	4093.6	5533.6	10425.4
65°		5747.9	4920.3	4484.5	4024.1	3824.6	4833.8	9260.9
70°		5264.3	4416.1	3969.8	3913.9	3630.0	4214.7	7508.5
75°		5013.9	4151.4	3549.8	3798.8	3480.6	3656.9	5694.1
80°		4733.0	4011.5	3378.8	3628.4	3399.8	3143.3	4144.4
85°		4568.7	3980.4	3484.4	3618.6	3583.6	2706.2	2897.4

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



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Multilumen-Tabelle	Umgebungstemperatur: 25°C	siteco
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DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
	1	2	3				
1	A	C	E	12680	68.9	83.2	76.1
2	A	C	F	12239	66.3	80.2	73.2
3	A	D	E	11210	60.3	72.4	66.4
4	A	D	F	10150	54.3	65.0	59.6
5	B	C	E	9164	48.8	58.1	53.4
6	B	C	F	8166	43.3	51.8	47.6
7	B	D	E	7159	37.9	45.0	41.4
8	B	D	F	6141	32.5	38.3	35.4