

Lichttechnischer Prüfbefund

Familie
Licross® 21 Protected

Bestell-Nr.: 52TD12CN49XG
EAN: 4058352902721

LP-Nummer
58524_246



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-Multilumen CLOi
Bemessungswerte Nettolichtstrom = 9110 lm
 Systemleistung = 50.4 W
 Lichtausbeute = 180.7 lm/W

Seriendokumentation
17.08.2023

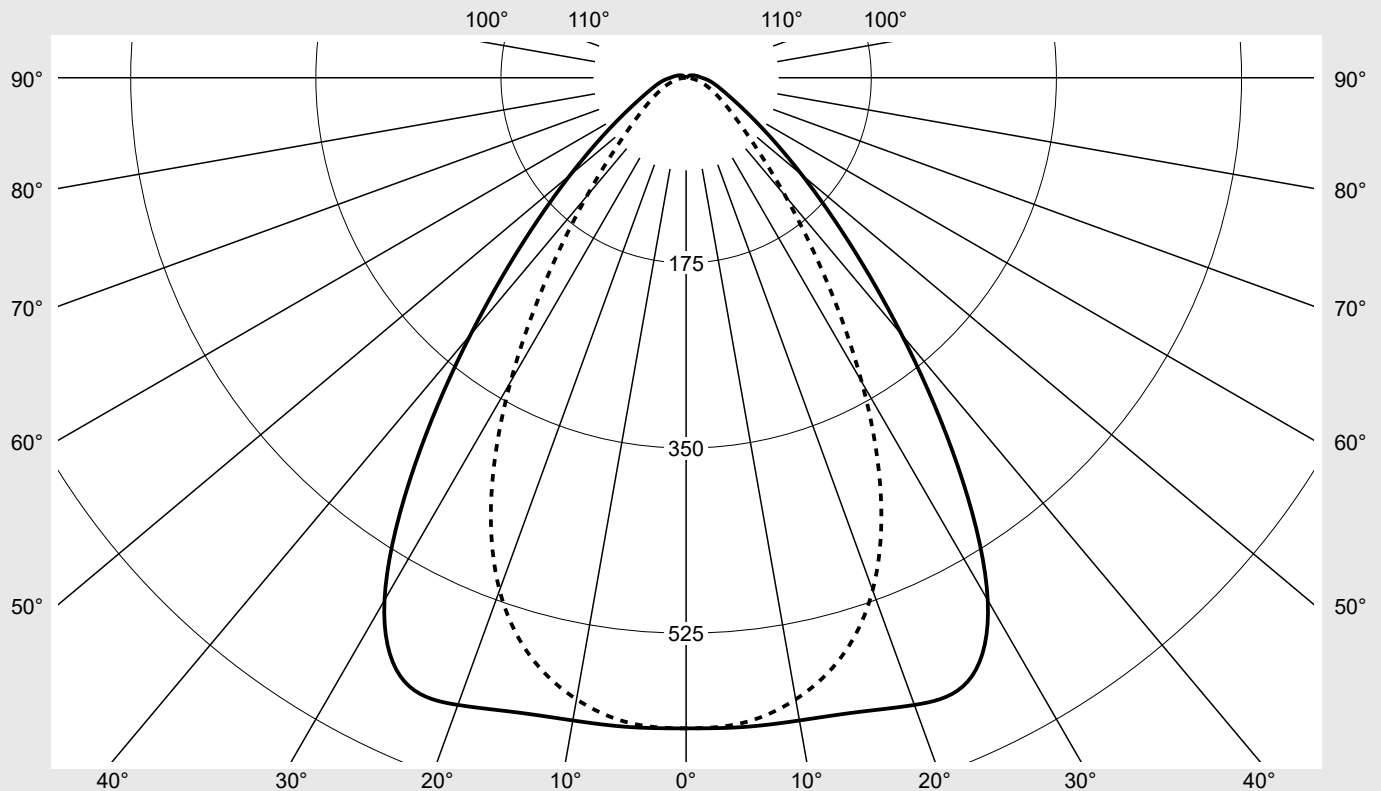
sITeco

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

η_{LB} 100,0%
 ϕ_u 98,6%
 ϕ_o 1,4%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
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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°			
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	20,9	22,4	21,3	22,7	23,0	17,7	19,1	18,0	19,4	19,7
	3H	21,4	22,6	21,7	23,0	23,3	18,0	19,3	18,4	19,7	20,0
	4H	21,6	22,8	22,0	23,1	23,5	18,2	19,4	18,6	19,7	20,1
	6H	21,9	22,9	22,3	23,3	23,7	18,3	19,4	18,7	19,8	20,2
	8H	22,1	23,0	22,6	23,4	23,8	18,4	19,4	18,8	19,8	20,2
	12H	22,3	23,1	22,7	23,5	23,9	18,4	19,4	18,9	19,8	20,2
4H	2H	21,0	22,2	21,4	22,5	22,9	18,2	19,4	18,6	19,7	20,1
	3H	21,6	22,5	22,0	22,9	23,3	18,7	19,7	19,1	20,1	20,5
	4H	21,9	22,8	22,3	23,2	23,6	18,9	19,8	19,4	20,2	20,6
	6H	22,3	23,0	22,8	23,5	23,9	19,1	19,9	19,6	20,3	20,8
	8H	22,5	23,2	23,0	23,7	24,1	19,2	19,9	19,6	20,3	20,8
	12H	22,8	23,4	23,3	23,9	24,3	19,2	19,9	19,7	20,3	20,8
8H	4H	21,9	22,6	22,4	23,0	23,5	19,1	19,8	19,6	20,3	20,7
	6H	22,4	23,0	22,9	23,4	23,9	19,4	20,0	19,9	20,5	21,0
	8H	22,7	23,2	23,2	23,7	24,2	19,5	20,0	20,0	20,5	21,1
	12H	23,1	23,5	23,6	24,0	24,6	19,7	20,1	20,2	20,6	21,1
12H	4H	21,9	22,5	22,4	23,0	23,5	19,2	19,8	19,7	20,2	20,7
	6H	22,4	22,9	22,9	23,4	23,9	19,5	20,0	20,0	20,5	21,0
	8H	22,8	23,2	23,3	23,7	24,2	19,7	20,1	20,2	20,6	21,1

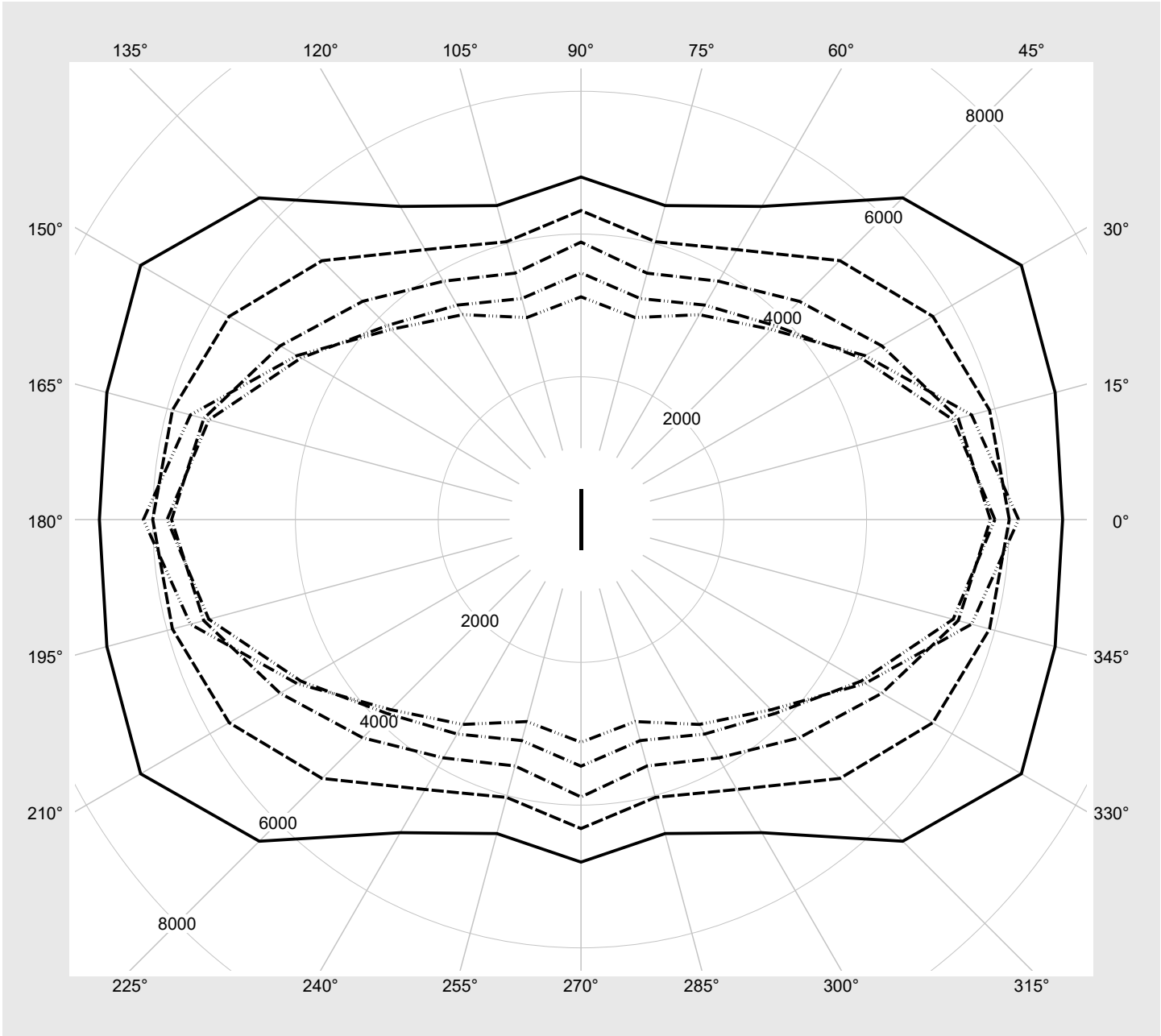
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		20464.8	21750.0	23805.6	21432.9	15213.5	11300.0	10494.7
50°		14653.3	15657.9	17487.6	15592.1	10911.8	8264.1	7864.6
55°		10730.9	11417.4	12761.0	11199.0	7967.9	6436.5	6371.1
60°		8210.9	8589.0	9371.7	8307.6	6172.5	5292.5	5439.0
65°		6746.3	6875.9	7123.1	6373.0	5065.0	4553.8	4798.8
70°		5999.3	5925.1	5691.2	5129.0	4366.4	4029.4	4328.8
75°		5735.3	5471.0	4866.4	4324.0	3855.4	3573.6	3886.6
80°		5797.9	5396.9	4528.6	3842.1	3469.0	3205.5	3455.2
85°		6129.9	5664.3	4593.6	3767.2	3314.3	2929.7	3120.2

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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	9110	50.4	60.5	55.4
2	A	C	F	8533	47.0	56.1	51.6
3	A	D	E	8018	43.9	52.6	48.2
4	A	D	F	7504	41.0	48.7	44.8
5	B	C	E	7053	38.4	45.6	42.0
6	B	C	F	6528	35.4	41.7	38.6
7	B	D	E	6066	32.8	38.8	35.8
8	B	D	F	5531	29.9	35.4	32.6