

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TE18CN49XG
EAN: 4058352889848

LP-Nummer
59103_255



Ausführung Abdeckung satiniert, medium strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-Multilumen CLOi

Bemessungswerte Nettolichtstrom = 9000 lm
Systemleistung = 49.9 W
Lichtausbeute = 180.4 lm/W

Seriendokumentation
17.08.2023

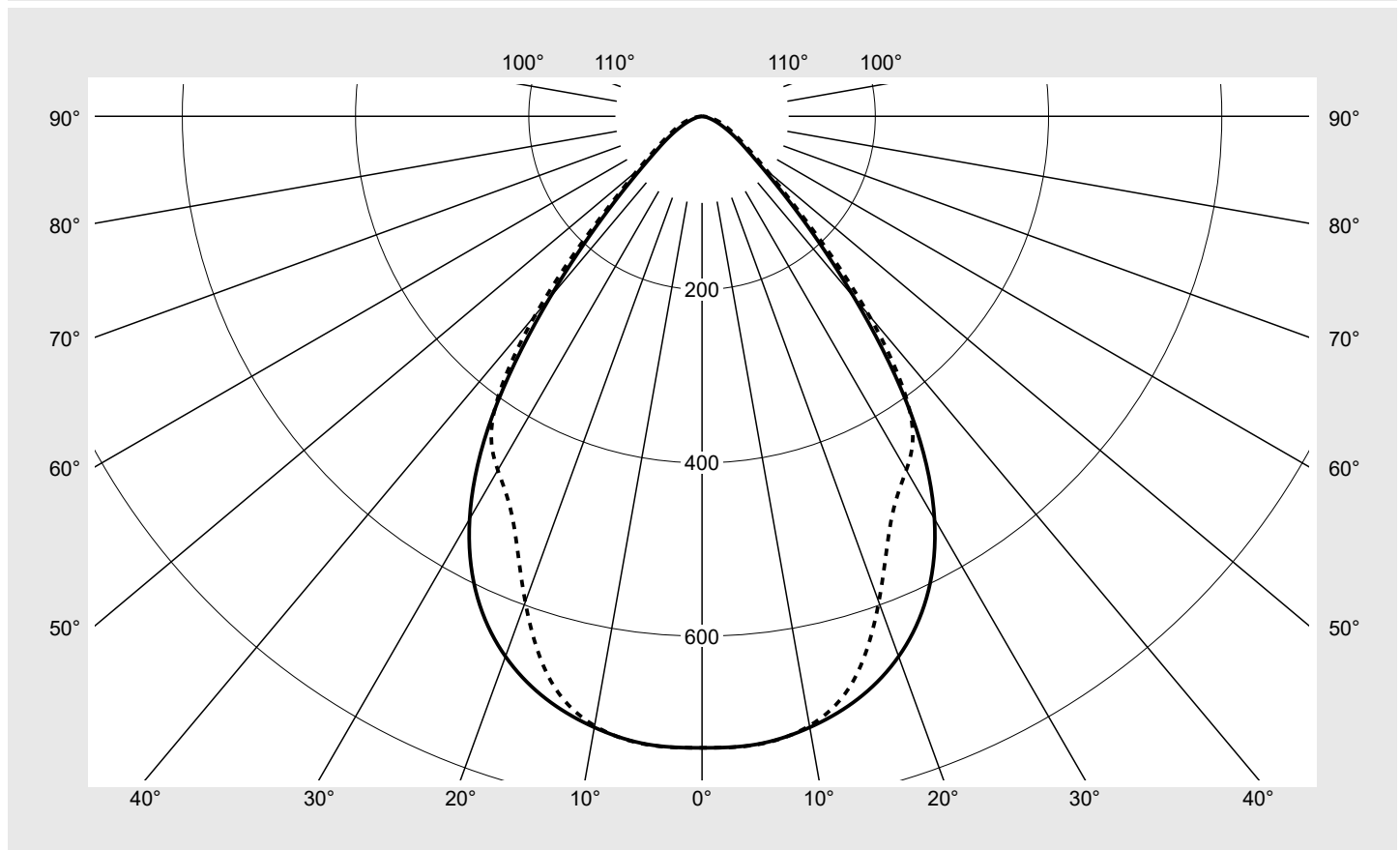
sITeco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 729 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=79 N2=95 N3=99
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

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°	728.9	728.9	728.9	728.9	728.9	728.9	728.9	4.4	4.4
5°	727.6	725.6	721.4	724.4	727.7	727.5	728.0	34.7	39.0
10°	716.2	715.8	711.3	714.1	716.0	714.5	714.3	68.0	107.0
15°	696.1	697.2	692.4	692.3	687.6	678.3	674.7	97.7	204.8
20°	663.5	665.6	659.3	649.0	628.4	605.3	596.6	119.9	324.7
25°	613.2	616.1	603.1	573.7	542.7	522.2	516.0	132.1	456.8
30°	536.6	538.7	513.6	472.5	462.2	468.1	471.5	135.2	592.0
35°	422.0	421.2	386.0	361.6	387.1	411.1	419.4	125.1	717.1
40°	273.6	269.8	241.4	246.2	279.1	295.4	299.7	95.1	812.2
45°	153.4	148.0	132.2	146.4	164.6	167.9	167.6	59.4	871.5
50°	87.1	86.0	88.4	95.4	105.5	102.0	98.3	39.9	911.4
55°	56.5	55.2	58.2	69.2	74.7	68.5	64.6	28.9	940.4
60°	37.8	37.4	39.6	46.2	52.4	47.5	45.7	20.9	961.3
65°	24.5	24.8	27.6	32.4	36.8	34.0	33.6	15.3	976.6
70°	15.3	15.7	18.0	22.8	25.8	24.5	24.5	10.9	987.5
75°	8.5	8.7	10.3	14.3	17.1	16.5	16.4	7.0	994.5
80°	4.5	4.6	5.3	7.4	9.6	9.5	9.0	3.9	998.3
85°	2.3	2.3	2.4	3.2	3.8	3.8	3.2	1.7	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	19,9	21,2	20,2	21,5	21,9	20,5	21,9	20,9	22,2	22,5
	3H	20,0	21,2	20,4	21,6	21,9	20,9	22,1	21,3	22,4	22,8
	4H	20,0	21,2	20,4	21,5	21,9	21,1	22,2	21,5	22,5	22,9
	6H	20,0	21,0	20,5	21,4	21,8	21,2	22,2	21,6	22,6	22,9
	8H	20,1	21,0	20,5	21,4	21,8	21,3	22,2	21,7	22,5	22,9
	12H	20,1	20,9	20,5	21,3	21,7	21,3	22,1	21,7	22,5	22,9
4H	2H	20,0	21,1	20,4	21,5	21,9	20,6	21,7	21,0	22,1	22,4
	3H	20,3	21,2	20,7	21,6	22,0	21,1	22,1	21,6	22,4	22,9
	4H	20,3	21,1	20,8	21,5	22,0	21,4	22,2	21,8	22,6	23,1
	6H	20,3	21,0	20,8	21,5	21,9	21,6	22,3	22,1	22,7	23,2
	8H	20,3	21,0	20,8	21,4	21,9	21,7	22,3	22,1	22,7	23,2
	12H	20,4	20,9	20,8	21,3	21,8	21,7	22,2	22,2	22,7	23,2
8H	4H	20,4	21,0	20,9	21,5	21,9	21,4	22,0	21,9	22,5	23,0
	6H	20,4	20,9	20,9	21,4	21,9	21,7	22,2	22,2	22,7	23,2
	8H	20,4	20,9	20,9	21,4	21,9	21,8	22,2	22,3	22,7	23,2
	12H	20,5	20,8	21,0	21,3	21,9	21,8	22,2	22,4	22,7	23,3
12H	4H	20,4	20,9	20,9	21,4	21,9	21,4	21,9	21,9	22,4	22,9
	6H	20,5	20,9	21,0	21,4	21,9	21,7	22,1	22,2	22,6	23,1
	8H	20,5	20,8	21,0	21,3	21,9	21,8	22,1	22,3	22,7	23,2

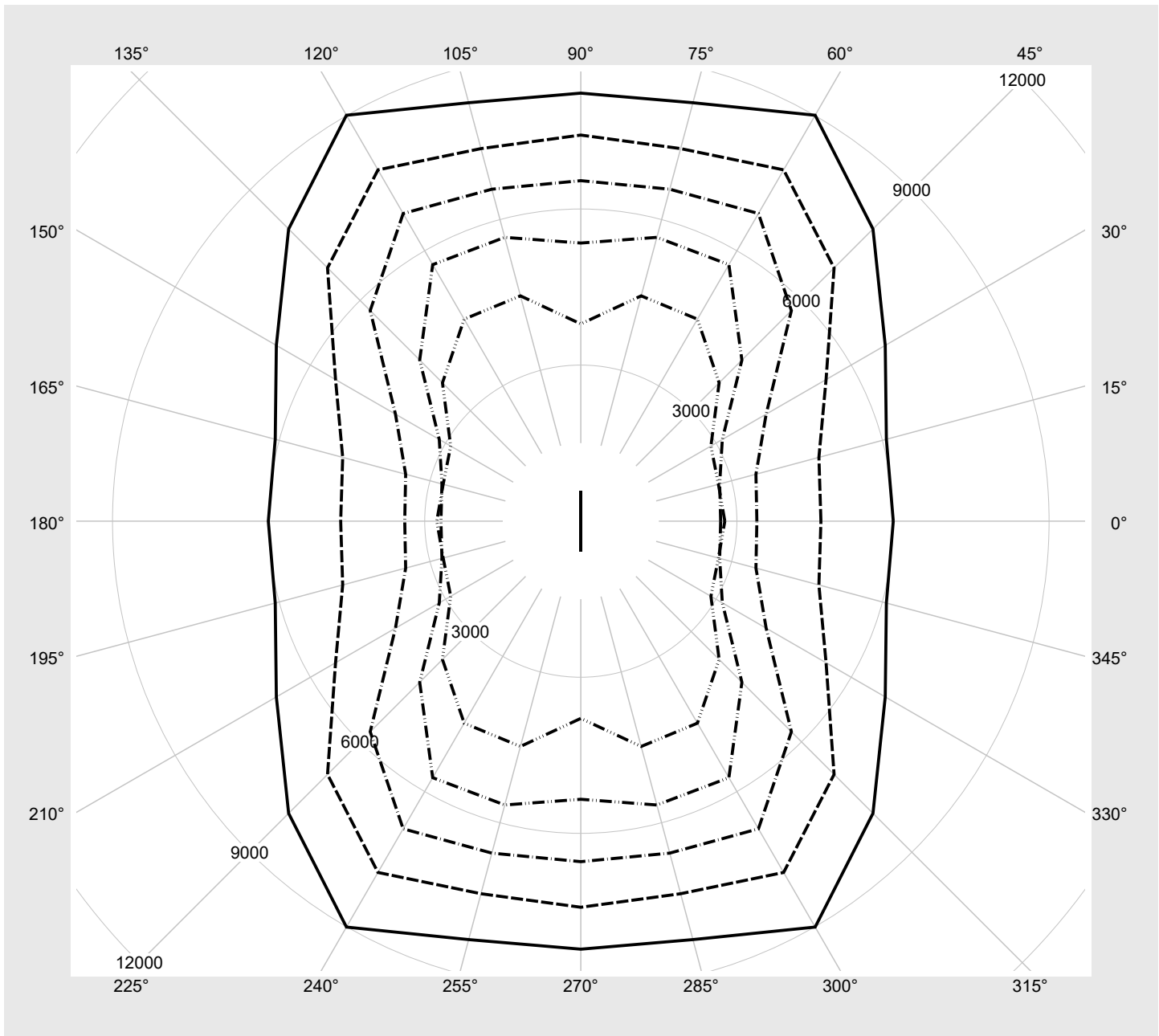
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1500 B = 58
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C-Ebenen	γ	Leuchtdichte in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		22441.5	21648.0	19337.8	21410.7	24080.5	24562.5	24525.5
50°		14024.2	13840.6	14228.1	15354.0	16981.6	16410.4	15827.2
55°		10185.1	9951.9	10491.3	12489.0	13471.9	12361.1	11647.8
60°		7813.7	7729.9	8186.1	9559.9	10834.3	9827.4	9449.8
65°		6005.7	6080.1	6756.4	7941.4	9008.6	8326.2	8226.8
70°		4615.0	4737.8	5443.1	6884.3	7796.6	7413.4	7420.9
75°		3383.8	3484.9	4113.2	5724.0	6828.0	6605.3	6544.6
80°		2688.0	2763.0	3140.7	4378.7	5692.8	5647.6	5345.5
85°		2767.9	2738.3	2887.8	3760.2	4483.1	4483.1	3791.1

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



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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	9000	49.9	60.5	55.2
2	A	C	F	8569	47.3	56.9	52.1
3	A	D	E	8065	44.4	53.4	48.9
4	A	D	F	7551	41.4	49.5	45.4
5	B	C	E	7026	38.4	45.6	42.0
6	B	C	F	6501	35.3	42.2	38.8
7	B	D	E	6049	32.8	39.2	36.0
8	B	D	F	5513	29.9	35.3	32.6