

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TE18CN4C5M
EAN: 4058352889862

LP-Nummer
59104_160



Ausführung Abdeckung satiniert, medium strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-Multilumen CLOi

Bemessungswerte Nettolichtstrom = 12540 lm
Systemleistung = 68.4 W
Lichtausbeute = 183.3 lm/W

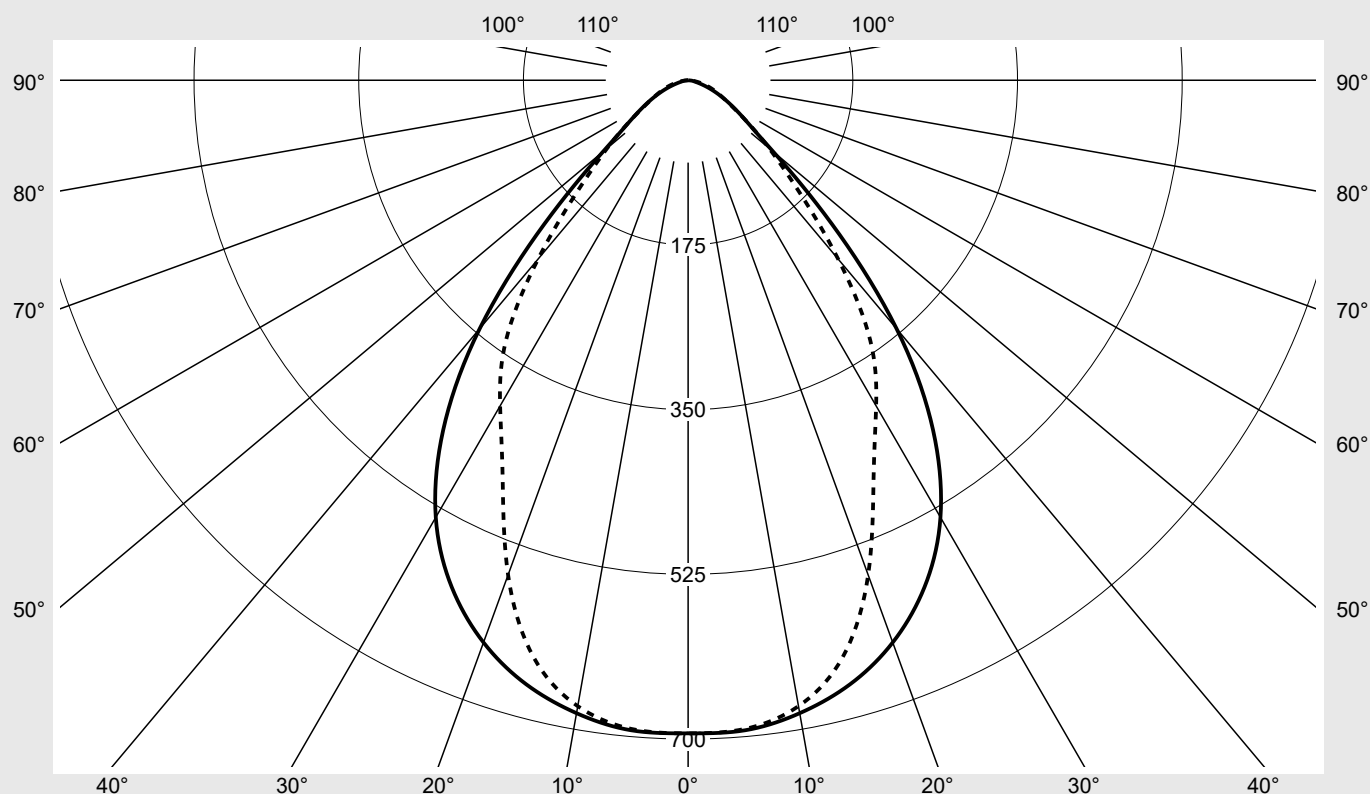
Seriendokumentation
17.08.2023

sITeco

Lichtstärke in cd/klm

C180-0 **C270-90**

Imax: 694 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=75 N2=94 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°	694.0	694.0	694.0	694.0	694.0	694.0	694.0	4.2	4.2
5°	693.3	691.2	687.0	689.0	691.7	691.4	691.9	33.0	37.1
10°	682.9	681.6	676.2	676.6	677.1	675.1	675.3	64.5	101.6
15°	664.5	663.4	655.7	650.8	644.2	637.0	634.6	92.2	193.9
20°	635.7	634.6	621.8	603.7	582.0	564.8	559.4	112.6	306.5
25°	594.3	592.8	570.2	532.2	493.8	471.5	466.3	123.2	429.7
30°	536.3	532.4	496.5	443.5	408.6	399.3	399.5	125.5	555.2
35°	453.8	445.6	398.8	354.7	341.6	338.2	337.4	119.2	674.4
40°	344.5	330.9	285.8	265.8	259.9	251.4	248.0	99.2	773.7
45°	216.1	203.7	174.1	171.5	169.1	165.7	165.2	69.4	843.1
50°	117.9	113.3	108.5	113.4	112.2	111.3	112.1	47.2	890.2
55°	75.1	72.3	72.7	81.4	80.0	76.7	75.3	34.3	924.5
60°	52.8	51.4	52.2	58.3	58.9	53.9	51.6	25.9	950.4
65°	36.0	35.7	38.4	42.9	44.1	39.6	37.5	19.7	970.1
70°	22.2	22.5	25.4	30.3	32.0	29.3	27.4	14.1	984.2
75°	11.8	12.0	13.9	18.9	21.4	20.1	18.3	8.9	993.1
80°	6.2	6.2	6.9	9.4	11.9	11.6	10.1	4.9	998.0
85°	3.0	2.9	3.0	3.8	4.5	4.6	3.6	2.0	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										
Reflexionsgrad Decke	0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3	
Reflexionsgrad Wände	0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3	
Reflexionsgrad Boden	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	
2H	2H	22,3	23,7	22,6	24,0	24,3	21,6	23,0	22,0	23,3	23,7
	3H	22,5	23,8	22,9	24,1	24,5	22,2	23,4	22,5	23,7	24,1
	4H	22,6	23,7	23,0	24,1	24,5	22,4	23,5	22,8	23,9	24,3
	6H	22,6	23,6	23,0	24,0	24,4	22,6	23,6	23,0	24,0	24,4
	8H	22,7	23,6	23,1	24,0	24,4	22,7	23,6	23,1	24,0	24,4
	12H	22,7	23,5	23,1	23,9	24,3	22,7	23,5	23,1	23,9	24,4
4H	2H	22,4	23,6	22,8	23,9	24,3	21,9	23,0	22,3	23,4	23,8
	3H	22,8	23,8	23,3	24,2	24,6	22,6	23,6	23,1	24,0	24,4
	4H	22,9	23,8	23,4	24,2	24,6	23,0	23,8	23,4	24,2	24,7
	6H	23,0	23,7	23,4	24,1	24,6	23,2	24,0	23,7	24,4	24,9
	8H	23,0	23,6	23,5	24,1	24,6	23,3	24,0	23,8	24,4	24,9
	12H	23,0	23,6	23,5	24,0	24,5	23,4	23,9	23,9	24,4	24,9
8H	4H	23,0	23,7	23,5	24,1	24,6	23,1	23,7	23,6	24,2	24,7
	6H	23,1	23,6	23,6	24,1	24,6	23,4	24,0	23,9	24,4	24,9
	8H	23,1	23,6	23,6	24,1	24,6	23,5	24,0	24,0	24,5	25,0
	12H	23,1	23,5	23,7	24,0	24,6	23,6	24,0	24,2	24,5	25,1
12H	4H	23,0	23,6	23,5	24,1	24,6	23,1	23,6	23,6	24,1	24,6
	6H	23,1	23,6	23,6	24,0	24,6	23,4	23,9	24,0	24,4	24,9
	8H	23,1	23,5	23,7	24,0	24,6	23,6	24,0	24,1	24,5	25,0

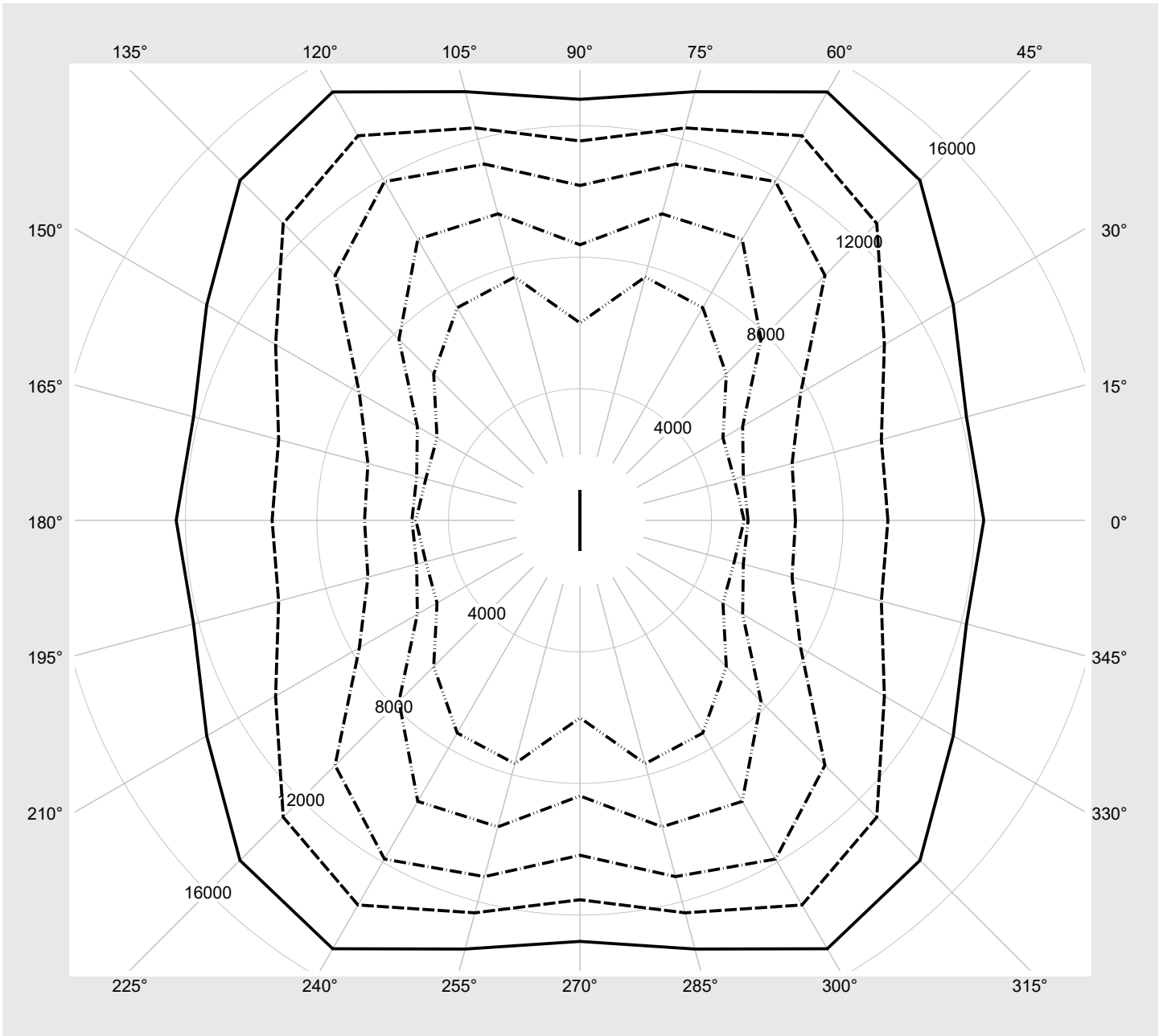
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

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°	44051.2	41525.6	35479.7	34954.6	34462.7	33776.2	33684.5
	50°	26442.5	25404.7	24334.6	25432.9	25170.6	24956.4	25142.1
	55°	18880.4	18161.0	18274.1	20455.6	20111.5	19283.3	18916.9
	60°	15231.9	14809.9	15039.6	16809.1	16982.9	15551.6	14861.2
	65°	12280.5	12167.3	13109.0	14622.9	15042.4	13496.1	12803.7
	70°	9363.8	9488.5	10689.2	12764.7	13504.8	12355.5	11537.5
	75°	6553.1	6677.3	7748.8	10534.4	11894.4	11215.5	10183.6
	80°	5112.3	5142.2	5711.6	7785.1	9867.7	9649.4	8380.3
	85°	4991.2	4857.2	5020.9	6292.7	7466.9	7660.4	6004.9

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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	12540	68.4	83.1	75.8
2	A	C	F	12036	65.4	79.7	72.6
3	A	D	E	11007	59.4	71.9	65.6
4	A	D	F	10040	53.9	64.9	59.4
5	B	C	E	8990	47.9	57.7	52.8
6	B	C	F	7992	42.4	50.9	46.6
7	B	D	E	6995	37.1	44.2	40.7
8	B	D	F	5965	31.6	37.5	34.6