

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL12CN475G
EAN: 4058352890714

LP-Nummer
59101_307



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-Multilumen CLOi

Bemessungswerte Nettolichtstrom = 7990 lm
Systemleistung = 42.6 W
Lichtausbeute = 187.6 lm/W

Seriendokumentation
17.08.2023

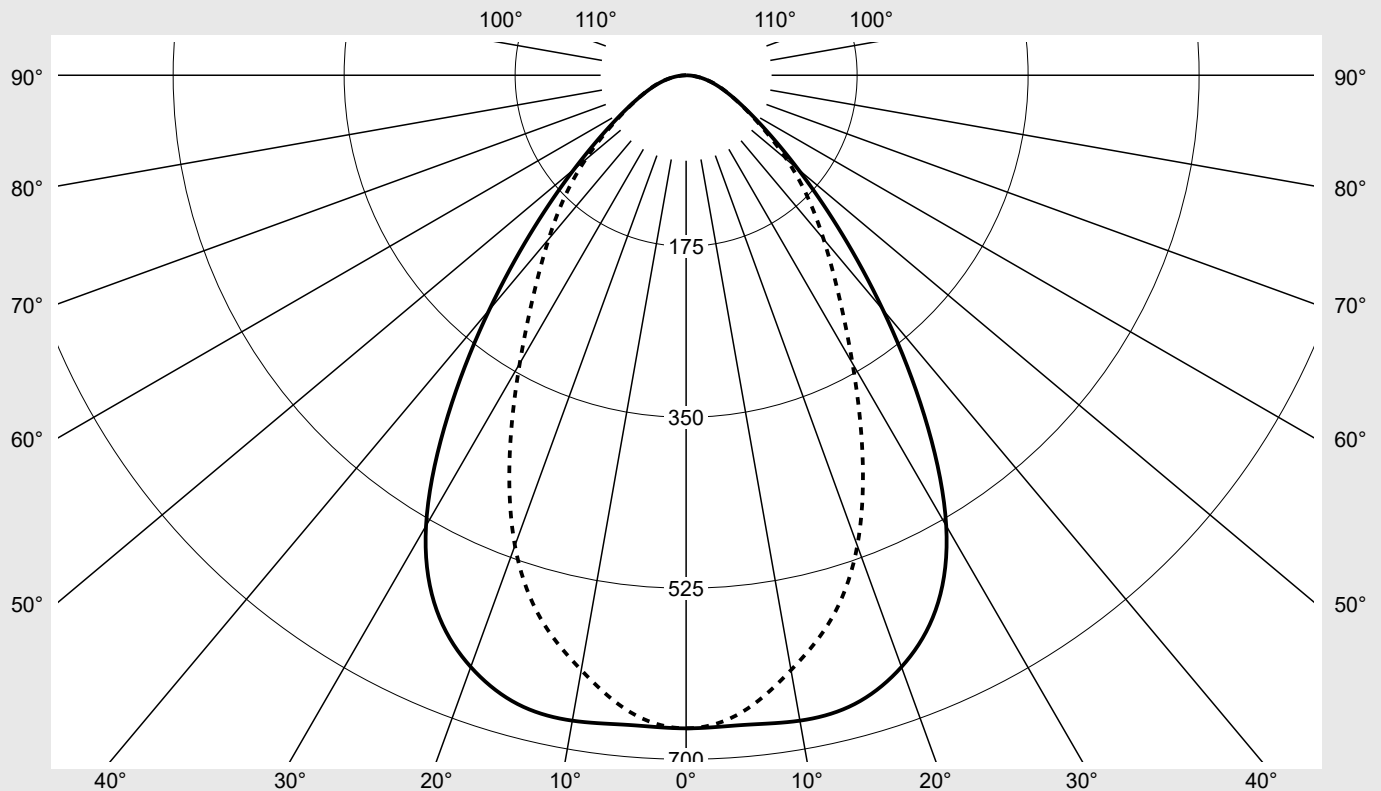
sitEco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 671 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=72 N2=92 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°			
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
γ									
0°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	4.0	4.0
5°	667.5	664.4	657.4	655.8	655.7	654.2	654.4	31.4	35.4
10°	670.7	665.0	649.1	636.1	625.3	618.7	618.1	60.9	96.3
15°	666.2	657.2	632.9	612.0	594.0	578.5	575.5	87.4	183.7
20°	644.4	632.9	606.9	585.4	554.6	522.7	512.3	108.8	292.5
25°	604.1	590.6	566.7	541.2	494.5	444.9	427.0	121.8	414.2
30°	532.4	517.7	496.3	466.1	413.9	359.9	340.6	122.9	537.1
35°	425.0	409.7	387.0	361.9	325.4	286.0	271.1	111.0	648.1
40°	313.4	295.8	270.7	255.1	246.8	229.4	218.8	91.8	739.9
45°	219.2	200.3	175.7	171.1	181.8	184.7	175.5	71.8	811.7
50°	149.7	132.6	112.6	116.3	133.0	145.6	134.9	54.8	866.5
55°	102.7	89.1	74.7	81.5	98.1	107.9	98.1	41.3	907.7
60°	72.4	62.1	51.3	58.3	71.8	76.5	71.0	31.0	938.7
65°	52.1	44.3	35.9	41.6	51.4	54.2	52.1	23.1	961.9
70°	37.6	31.7	24.7	29.1	35.6	38.4	38.3	16.9	978.8
75°	26.0	21.3	16.2	19.0	22.9	25.9	26.8	11.6	990.4
80°	16.1	12.5	9.2	10.4	12.6	14.8	15.7	6.8	997.3
85°	7.0	5.4	3.8	4.1	4.8	5.7	5.8	2.7	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	21,0	22,4	21,3	22,7	23,0	20,9	22,3	21,3	22,6	23,0
	3H	21,6	22,8	21,9	23,2	23,5	21,7	23,0	22,1	23,3	23,6
	4H	21,8	23,0	22,2	23,4	23,7	22,0	23,2	22,4	23,6	23,9
	6H	22,1	23,2	22,5	23,5	23,9	22,3	23,4	22,7	23,7	24,1
	8H	22,3	23,2	22,7	23,6	24,0	22,4	23,4	22,9	23,8	24,2
	12H	22,3	23,2	22,8	23,6	24,0	22,5	23,4	22,9	23,8	24,2
4H	2H	21,1	22,3	21,5	22,7	23,0	21,1	22,3	21,5	22,6	23,0
	3H	21,8	22,8	22,2	23,2	23,6	22,1	23,0	22,5	23,4	23,8
	4H	22,1	23,0	22,6	23,4	23,9	22,5	23,4	22,9	23,8	24,2
	6H	22,5	23,2	22,9	23,6	24,1	22,9	23,6	23,3	24,0	24,5
	8H	22,6	23,3	23,1	23,7	24,2	23,0	23,7	23,5	24,1	24,6
	12H	22,7	23,3	23,2	23,8	24,3	23,1	23,7	23,6	24,1	24,6
8H	4H	22,2	22,9	22,7	23,3	23,8	22,6	23,2	23,0	23,7	24,2
	6H	22,6	23,1	23,1	23,6	24,1	23,0	23,5	23,5	24,0	24,5
	8H	22,7	23,2	23,2	23,7	24,2	23,2	23,6	23,7	24,1	24,7
	12H	22,9	23,3	23,4	23,8	24,3	23,3	23,7	23,8	24,2	24,7
12H	4H	22,2	22,8	22,7	23,3	23,8	22,6	23,1	23,1	23,6	24,1
	6H	22,6	23,1	23,1	23,5	24,1	23,0	23,5	23,5	24,0	24,5
	8H	22,8	23,2	23,3	23,7	24,2	23,2	23,6	23,7	24,1	24,6

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

Lichttechnische Abmessungen in mm: **L = 1500**
B = 58

C-Ebenen	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Leuchtdichte in cd/m²						
45°	28472.3	26021.2	22816.4	22227.0	23612.1	23988.8	22797.2
50°	21386.4	18941.5	16089.4	16617.4	19001.8	20805.4	19267.6
55°	16438.5	14270.5	11963.6	13053.2	15704.1	17284.3	15700.1
60°	13295.0	11412.5	9424.2	10716.5	13182.0	14053.4	13037.3
65°	11322.3	9636.6	7811.9	9045.3	11179.9	11768.4	11311.4
70°	10089.6	8507.5	6633.5	7801.6	9550.2	10311.4	10285.4
75°	9225.5	7557.0	5760.1	6734.1	8129.7	9176.1	9506.8
80°	8509.2	6633.7	4880.5	5524.2	6678.2	7853.3	8325.6
85°	7379.3	5683.8	4013.7	4327.7	5087.4	5957.8	6151.7

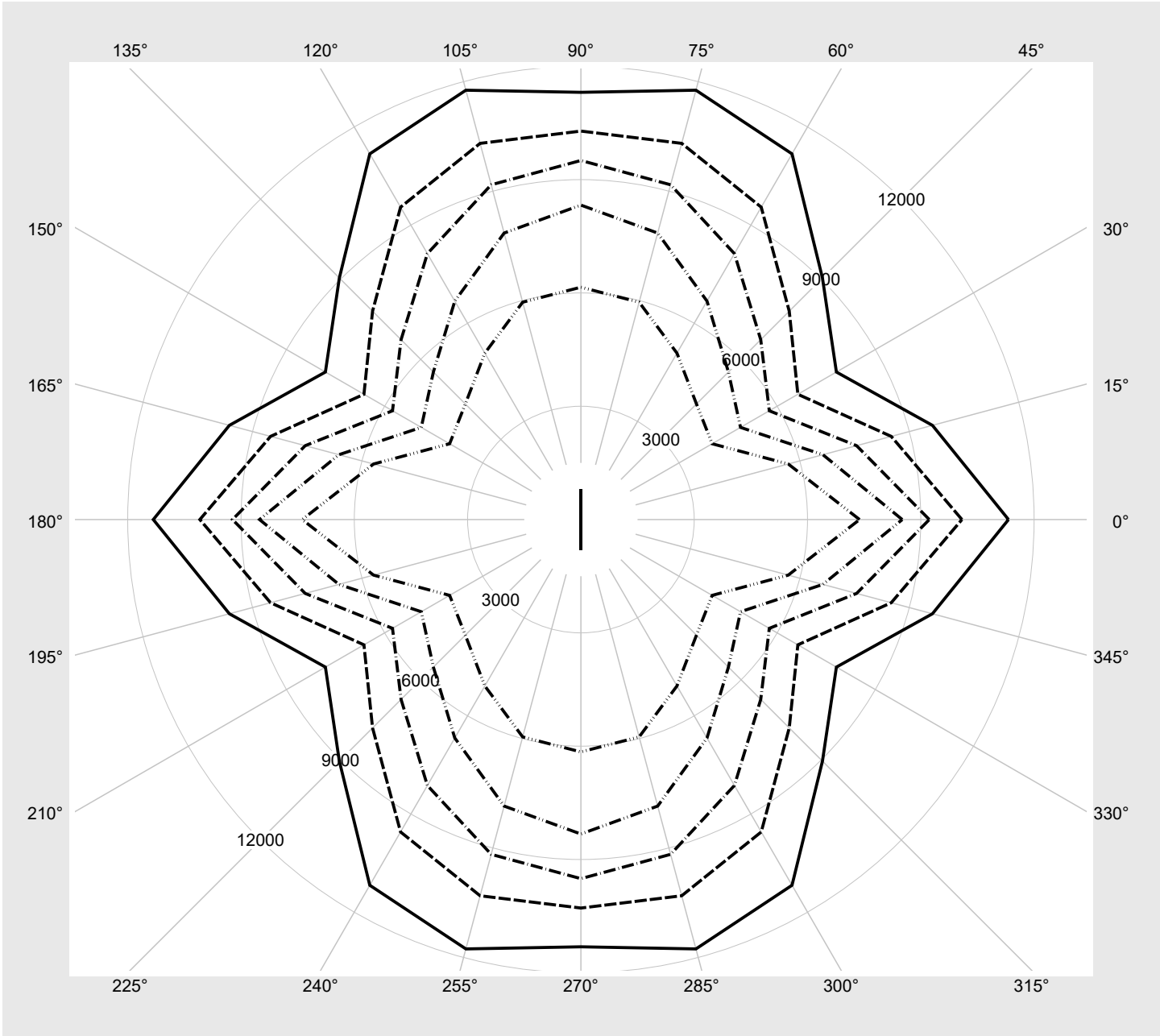
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Leuchtdichten in cd/m²

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	7990	42.6	50.8	46.7
2	A	C	F	7539	40.0	47.8	43.9
3	A	D	E	7003	37.0	43.9	40.4
4	A	D	F	6541	34.6	41.4	38.0
5	B	C	E	5995	31.6	37.5	34.6
6	B	C	F	5523	29.0	34.6	31.8
7	B	D	E	5040	26.5	31.6	29.0
8	B	D	F	4483	23.6	27.8	25.7