

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL12DN465G
EAN: 4058352890844

LP-Nummer
59101_281



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 6500 lm
Systemleistung = 35.1 W
Lichtausbeute = 185.2 lm/W

Seriendokumentation
03.08.2023

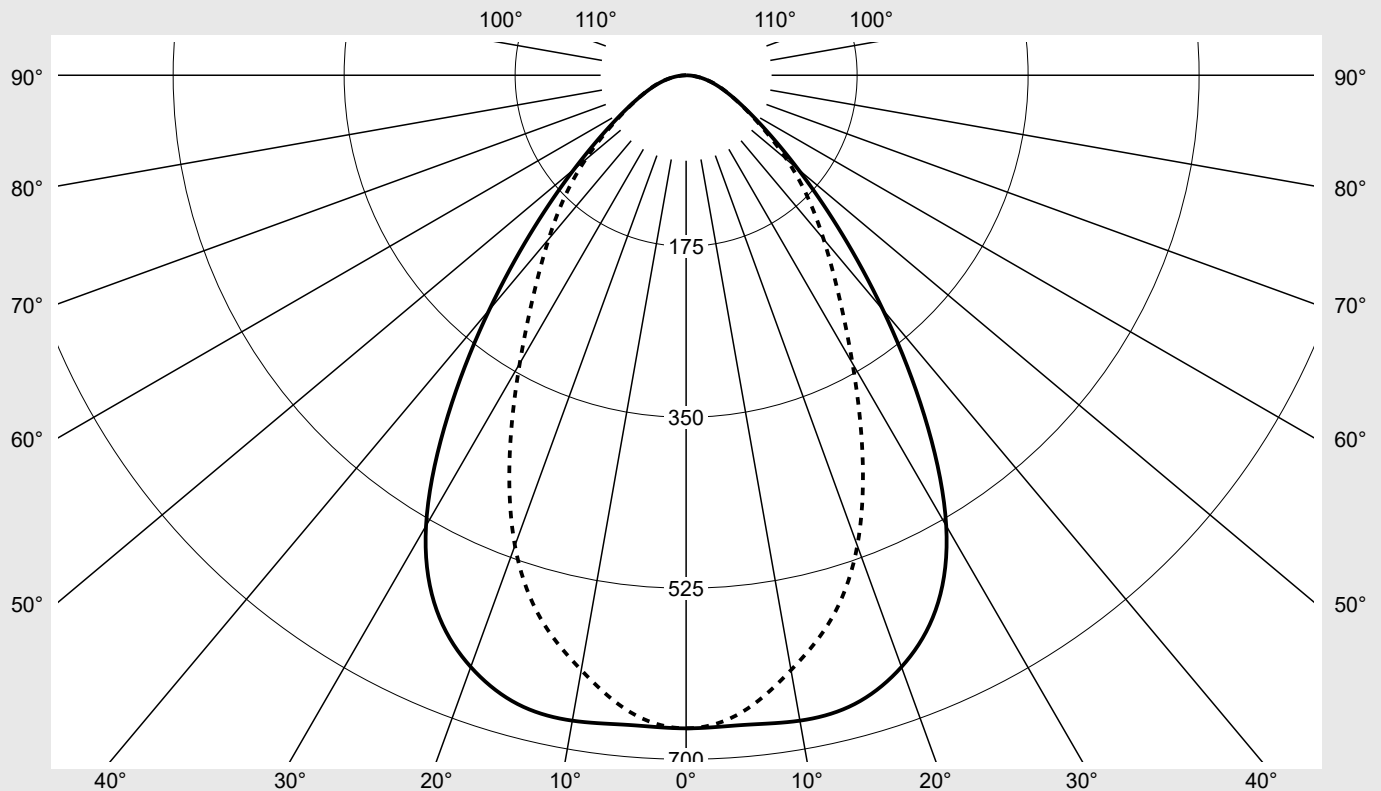
sitEco

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°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
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	20,2	21,7	20,6	22,0	22,3	20,2	21,6	20,6	21,9	22,3
	3H	20,8	22,1	21,2	22,4	22,8	21,0	22,2	21,4	22,6	22,9
	4H	21,1	22,3	21,5	22,6	23,0	21,3	22,5	21,7	22,8	23,2
	6H	21,4	22,4	21,8	22,8	23,2	21,6	22,6	22,0	23,0	23,4
	8H	21,5	22,5	22,0	22,9	23,3	21,7	22,7	22,1	23,1	23,5
	12H	21,6	22,5	22,0	22,9	23,3	21,8	22,7	22,2	23,0	23,5
4H	2H	20,4	21,6	20,8	22,0	22,3	20,4	21,6	20,8	21,9	22,3
	3H	21,1	22,1	21,5	22,5	22,9	21,3	22,3	21,8	22,7	23,1
	4H	21,4	22,3	21,9	22,7	23,1	21,8	22,7	22,2	23,1	23,5
	6H	21,7	22,5	22,2	22,9	23,4	22,1	22,9	22,6	23,3	23,8
	8H	21,9	22,6	22,4	23,0	23,5	22,3	23,0	22,7	23,4	23,9
	12H	22,0	22,6	22,5	23,1	23,5	22,4	22,9	22,9	23,4	23,9
8H	4H	21,5	22,2	22,0	22,6	23,1	21,8	22,5	22,3	23,0	23,4
	6H	21,9	22,4	22,4	22,9	23,4	22,3	22,8	22,8	23,3	23,8
	8H	22,0	22,5	22,5	23,0	23,5	22,4	22,9	22,9	23,4	23,9
	12H	22,2	22,6	22,7	23,1	23,6	22,6	23,0	23,1	23,5	24,0
12H	4H	21,5	22,1	22,0	22,6	23,1	21,9	22,4	22,3	22,9	23,4
	6H	21,9	22,3	22,4	22,8	23,4	22,3	22,7	22,8	23,2	23,8
	8H	22,0	22,4	22,6	22,9	23,5	22,5	22,9	23,0	23,4	23,9

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

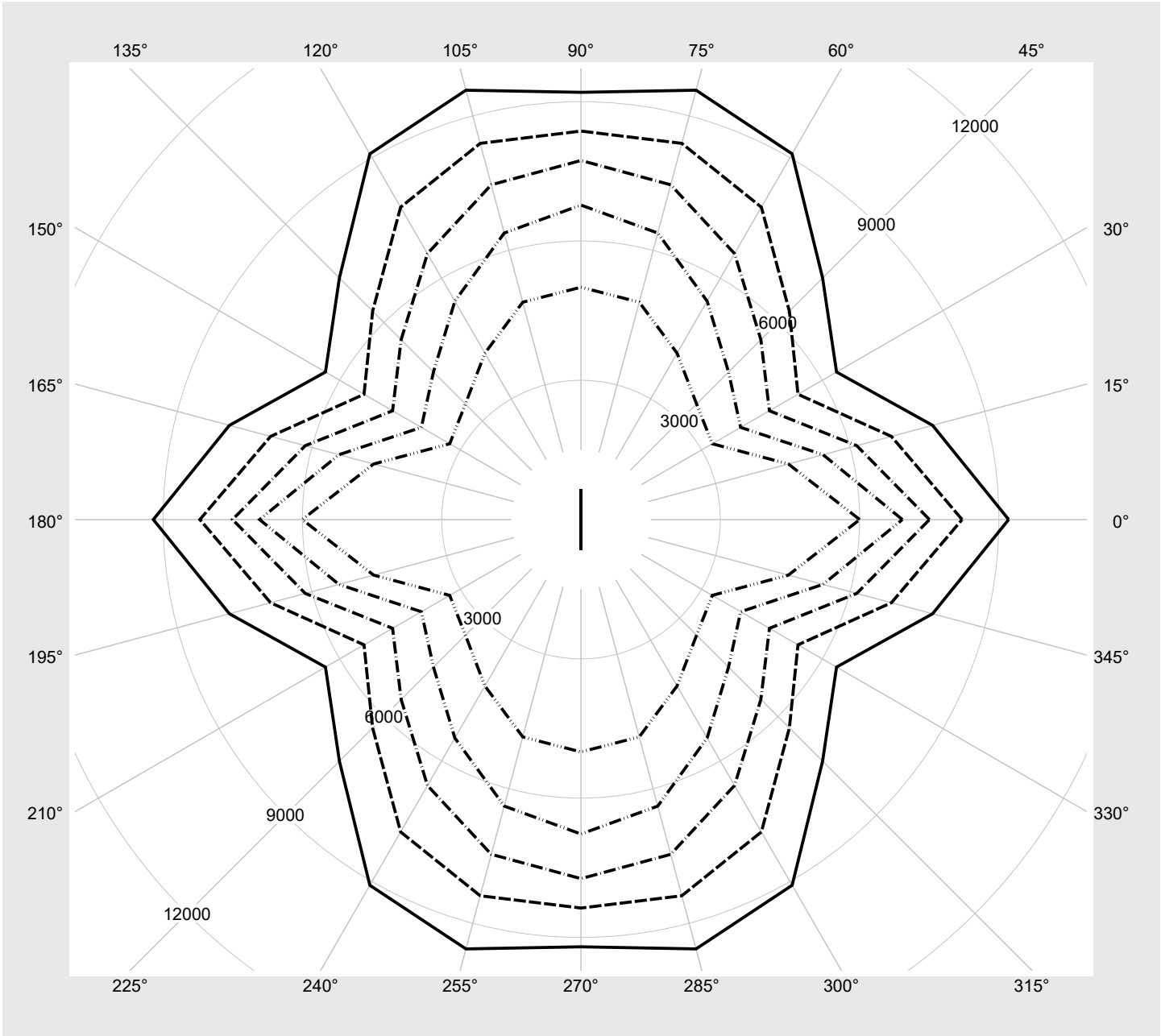
Lichttechnische Abmessungen in mm: **L = 1500** **B = 58**

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°		23162.7	21168.7	18561.5	18082.1	19208.8	19515.3	18545.9
50°		17398.2	15409.3	13089.0	13518.5	15458.3	16925.5	15674.5
55°		13373.0	11609.3	9732.6	10619.0	12775.5	14061.0	12772.3
60°		10815.7	9284.2	7666.7	8718.1	10723.8	11432.7	10606.1
65°		9210.9	7839.5	6355.1	7358.5	9095.1	9573.8	9202.0
70°		8208.1	6921.0	5396.5	6346.7	7769.2	8388.5	8367.3
75°		7505.1	6147.8	4685.9	5478.3	6613.7	7464.9	7734.0
80°		6922.3	5396.7	3970.4	4494.0	5432.8	6388.8	6773.0
85°		6003.2	4623.9	3265.2	3520.6	4138.7	4846.8	5004.5

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



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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	6500	35.1
95	241	252	6183	33.4
90	227	250	5840	31.5
85	214	248	5518	29.7
80	201	245	5195	28.0
75	188	243	4871	26.4
70	175	240	4543	24.8
65	162	238	4217	23.1
60	150	235	3910	21.5
55	137	231	3580	19.9
50	124	228	3245	18.1
45	112	224	2935	16.4
40	99	219	2599	14.6
35	87	215	2286	12.9
30	74	209	1947	11.6
25	62	202	1632	10.2
20	49	194	1287	8.5
15	37	183	972	6.8
13	32	178	840	6.2