

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL12DN455G
EAN: 4058352890837

LP-Nummer
59101_280



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 5500 lm
Systemleistung = 29.6 W
Lichtausbeute = 185.8 lm/W

Seriendokumentation
03.08.2023

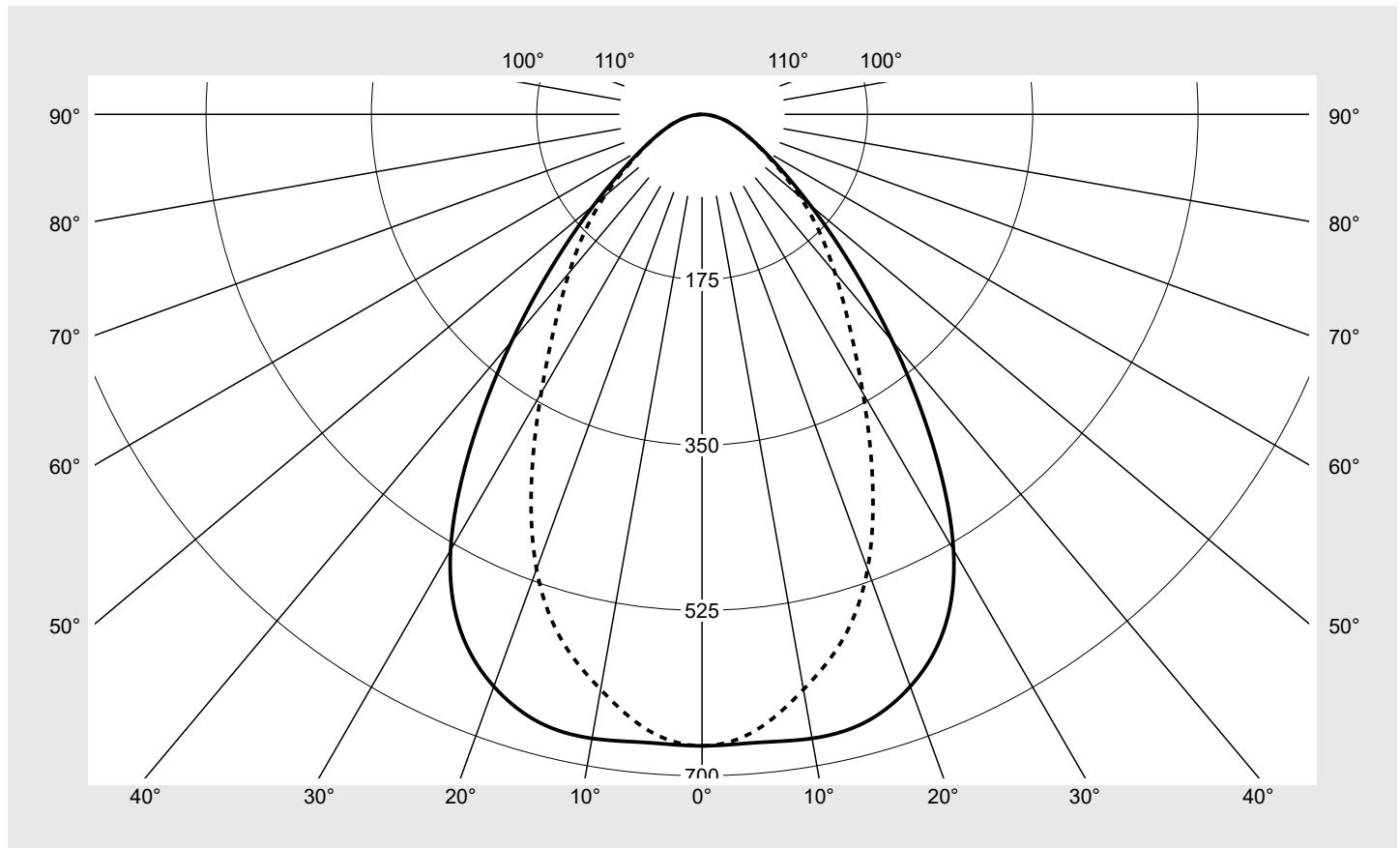
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Lichtstärke in cd/klm

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	19,7	21,1	20,0	21,4	21,7	19,6	21,0	20,0	21,3	21,7
	3H	20,3	21,5	20,6	21,9	22,2	20,4	21,7	20,8	22,0	22,4
	4H	20,5	21,7	20,9	22,1	22,4	20,7	21,9	21,1	22,3	22,6
	6H	20,8	21,9	21,2	22,2	22,6	21,0	22,1	21,4	22,4	22,8
	8H	21,0	21,9	21,4	22,3	22,7	21,1	22,1	21,6	22,5	22,9
	12H	21,0	21,9	21,5	22,3	22,7	21,2	22,1	21,6	22,5	22,9
4H	2H	19,8	21,0	20,2	21,4	21,7	19,8	21,0	20,2	21,3	21,7
	3H	20,5	21,5	20,9	21,9	22,3	20,8	21,7	21,2	22,1	22,5
	4H	20,8	21,7	21,3	22,1	22,6	21,2	22,1	21,6	22,5	22,9
	6H	21,2	21,9	21,6	22,3	22,8	21,6	22,3	22,0	22,8	23,2
	8H	21,3	22,0	21,8	22,4	22,9	21,7	22,4	22,2	22,8	23,3
	12H	21,4	22,0	21,9	22,5	23,0	21,8	22,4	22,3	22,8	23,3
8H	4H	20,9	21,6	21,4	22,0	22,5	21,3	21,9	21,7	22,4	22,9
	6H	21,3	21,8	21,8	22,3	22,8	21,7	22,2	22,2	22,7	23,2
	8H	21,4	21,9	21,9	22,4	22,9	21,9	22,3	22,4	22,8	23,4
	12H	21,6	22,0	22,1	22,5	23,0	22,0	22,4	22,5	22,9	23,4
12H	4H	20,9	21,5	21,4	22,0	22,5	21,3	21,8	21,8	22,3	22,8
	6H	21,3	21,8	21,8	22,3	22,8	21,7	22,2	22,2	22,7	23,2
	8H	21,5	21,9	22,0	22,4	22,9	21,9	22,3	22,4	22,8	23,3

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

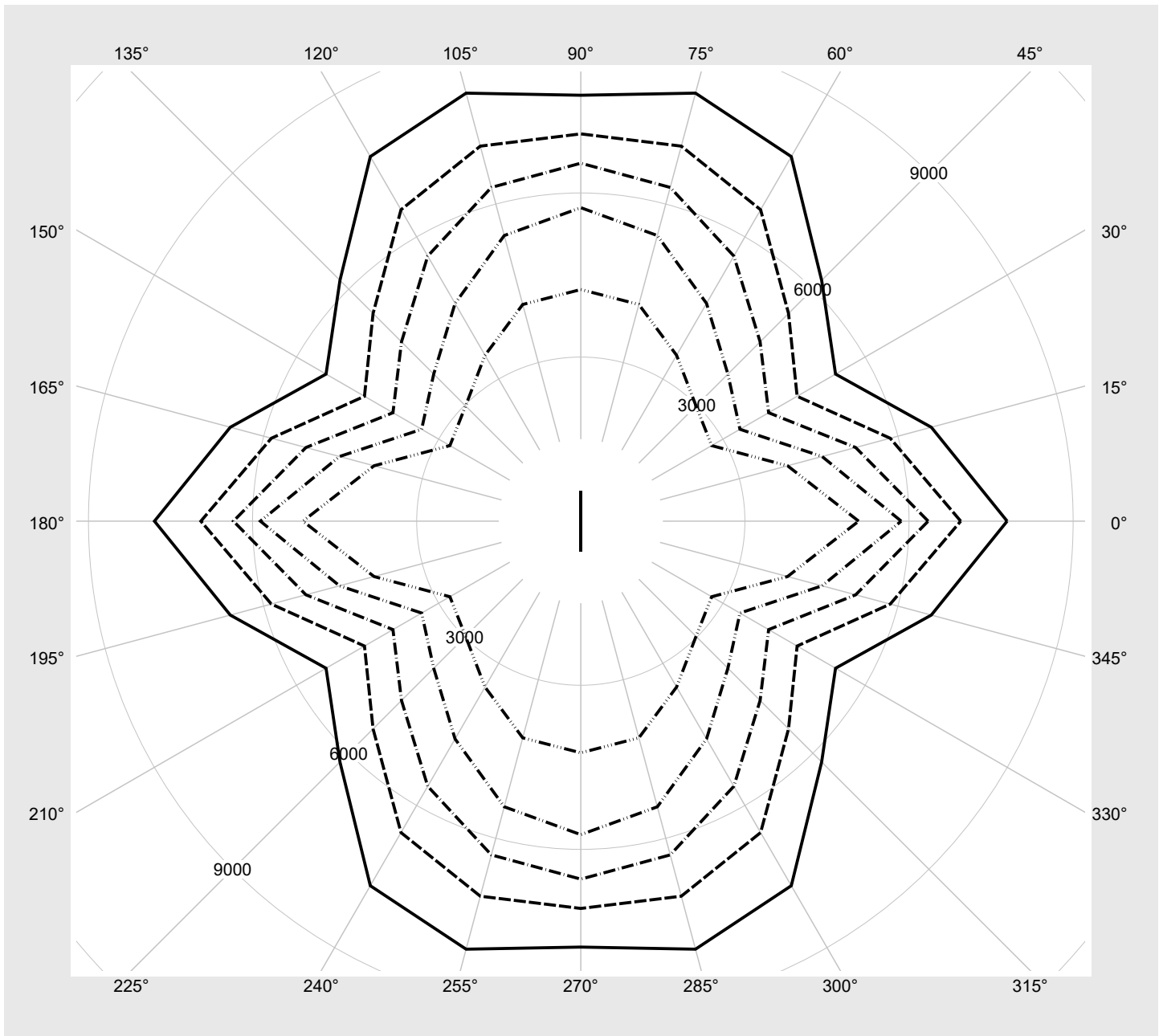
Lichttechnische Abmessungen in mm: L = 1500 B = 58

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°	45°	19599.2	17912.0	15705.9	15300.2	16253.6	16513.0	15692.7
50°	50°	14721.6	13038.6	11075.3	11438.7	13080.1	14321.6	13263.0
55°	55°	11315.6	9823.3	8235.3	8985.3	10810.1	11897.8	10807.3
60°	60°	9151.7	7855.9	6487.2	7376.8	9074.0	9673.8	8974.4
65°	65°	7793.8	6633.5	5377.4	6226.4	7695.8	8100.9	7786.3
70°	70°	6945.3	5856.2	4566.2	5370.3	6574.0	7098.0	7080.0
75°	75°	6350.4	5201.9	3965.0	4635.5	5596.2	6316.5	6544.1
80°	80°	5857.4	4566.4	3359.5	3802.6	4597.0	5405.9	5731.0
85°	85°	5079.6	3912.5	2762.9	2979.0	3502.0	4101.1	4234.6

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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		sITeco
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	5500	29.6
95	241	252	5229	28.2
90	228	250	4957	26.8
85	215	248	4684	25.4
80	202	246	4408	24.1
75	189	243	4133	22.7
70	176	241	3854	21.2
65	163	238	3576	19.8
60	150	235	3295	18.3
55	137	231	3015	16.8
50	125	228	2753	15.4
45	112	224	2468	13.9
40	100	220	2207	12.5
35	87	215	1921	11.5
30	75	209	1657	10.3
25	62	202	1370	8.9
20	50	194	1103	7.5
15	38	184	837	6.2