

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL12DN5AXG
EAN: 4058352971338

LP-Nummer
59101_353



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 5000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 10170 lm
Systemleistung = 58.0 W
Lichtausbeute = 175.3 lm/W

Seriendokumentation
28.09.2023

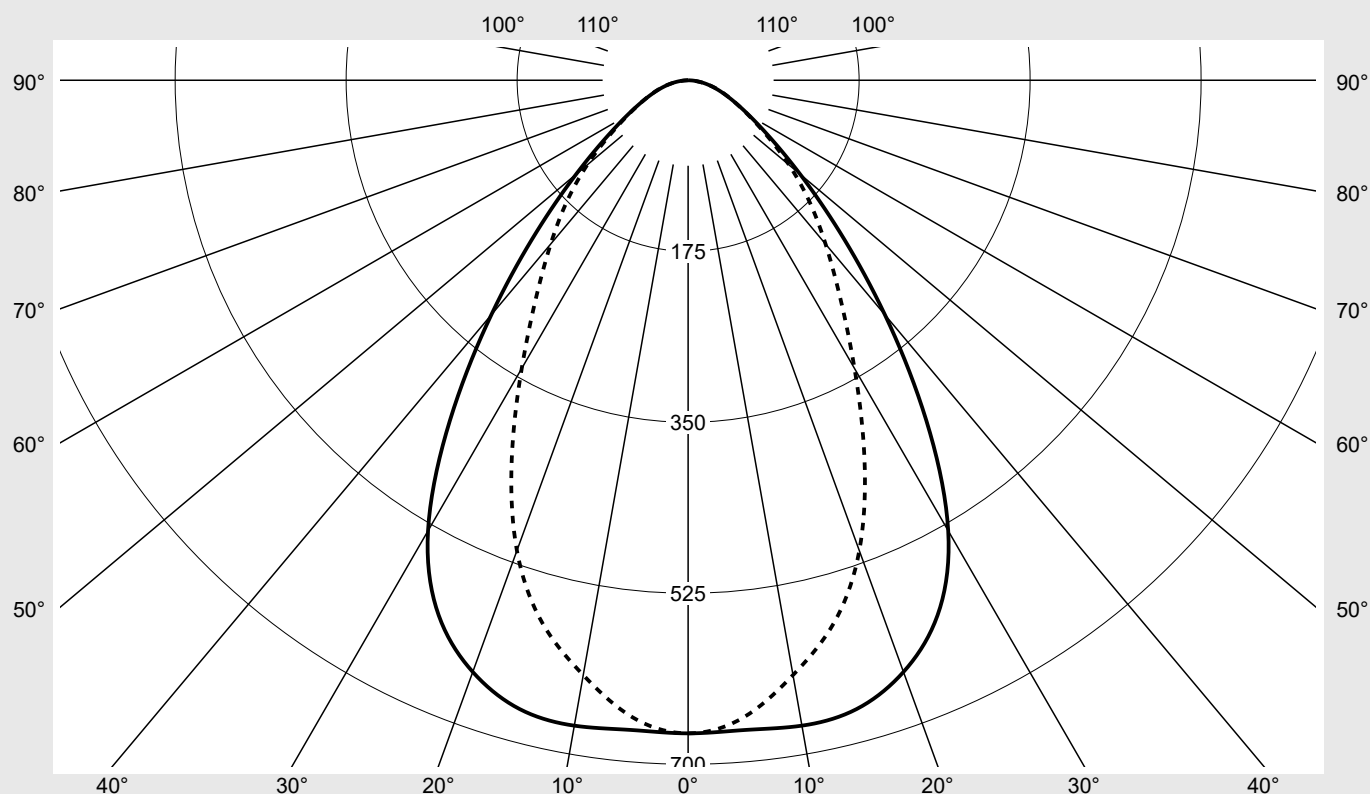
sitEco

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	21,8	23,2	22,2	23,5	23,9	21,7	23,2	22,1	23,5	23,8
	3H	22,4	23,7	22,8	24,0	24,3	22,5	23,8	22,9	24,1	24,5
	4H	22,7	23,8	23,1	24,2	24,6	22,9	24,0	23,3	24,4	24,8
	6H	22,9	24,0	23,3	24,4	24,8	23,1	24,2	23,5	24,6	25,0
	8H	23,1	24,0	23,5	24,4	24,8	23,3	24,2	23,7	24,6	25,0
	12H	23,2	24,0	23,6	24,4	24,9	23,3	24,2	23,7	24,6	25,0
4H	2H	22,0	23,2	22,4	23,5	23,9	21,9	23,1	22,3	23,5	23,8
	3H	22,6	23,6	23,1	24,0	24,4	22,9	23,9	23,3	24,3	24,7
	4H	23,0	23,9	23,4	24,3	24,7	23,3	24,2	23,8	24,6	25,1
	6H	23,3	24,1	23,8	24,5	24,9	23,7	24,5	24,2	24,9	25,4
	8H	23,4	24,1	23,9	24,6	25,0	23,8	24,5	24,3	25,0	25,4
	12H	23,6	24,1	24,1	24,6	25,1	23,9	24,5	24,4	25,0	25,5
8H	4H	23,1	23,7	23,5	24,2	24,7	23,4	24,1	23,9	24,5	25,0
	6H	23,4	24,0	23,9	24,4	24,9	23,8	24,4	24,3	24,9	25,4
	8H	23,6	24,1	24,1	24,5	25,1	24,0	24,5	24,5	25,0	25,5
	12H	23,7	24,1	24,2	24,6	25,2	24,1	24,5	24,6	25,0	25,6
12H	4H	23,1	23,7	23,6	24,1	24,6	23,4	24,0	23,9	24,4	24,9
	6H	23,4	23,9	23,9	24,4	24,9	23,8	24,3	24,4	24,8	25,3
	8H	23,6	24,0	24,1	24,5	25,0	24,0	24,4	24,5	24,9	25,5

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°		36240.7	33120.9	29041.7	28291.5	30054.4	30534.0	29017.2
50°		27221.5	24109.6	20479.3	21151.3	24186.3	26481.9	24524.6
55°		20923.6	18164.1	15227.7	16614.6	19988.8	22000.1	19983.7
60°		16922.4	14526.3	11995.5	13640.4	16778.6	17887.7	16594.4
65°		14411.5	12265.9	9943.2	11513.2	14230.3	14979.3	14397.6
70°		12842.5	10828.7	8443.4	9930.2	12155.8	13124.8	13091.6
75°		11742.5	9618.9	7331.7	8571.5	10347.8	11679.8	12100.7
80°		10830.8	8443.7	6212.1	7031.4	8500.2	9996.1	10597.2
85°		9392.7	7234.6	5108.8	5508.5	6475.5	7583.4	7830.1

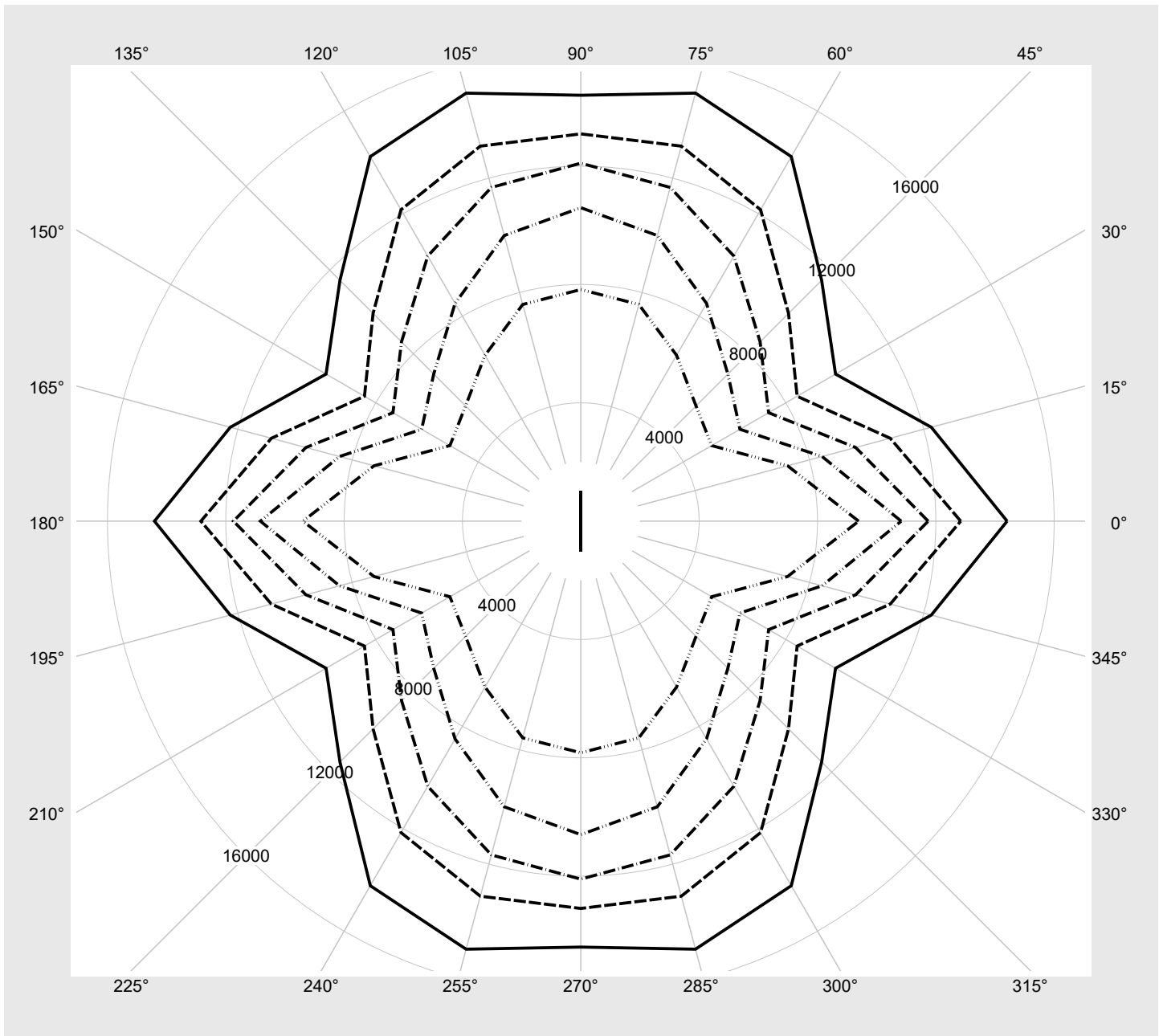
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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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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	10170	58.0
95	240	252	9657	54.8
90	226	250	9139	51.5
85	213	248	8650	48.7
80	199	245	8120	45.5
75	186	243	7621	42.6
70	173	240	7118	39.6
65	160	237	6612	36.8
60	147	234	6100	33.9
55	134	231	5583	31.0
50	122	227	5100	28.4
45	109	223	4574	25.5
40	97	219	4084	22.9
35	84	213	3549	20.1
30	72	208	3050	17.5
25	60	201	2547	15.0
20	48	193	2041	12.3
15	36	182	1531	9.7
10	24	168	1019	7.2
5	12	142	503	4.6
2	4	102	156	3.0