

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL12DN195G
EAN: 4058352971253

LP-Nummer
59101_352



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 3500 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 9950 lm
Systemleistung = 58.0 W
Lichtausbeute = 171.6 lm/W

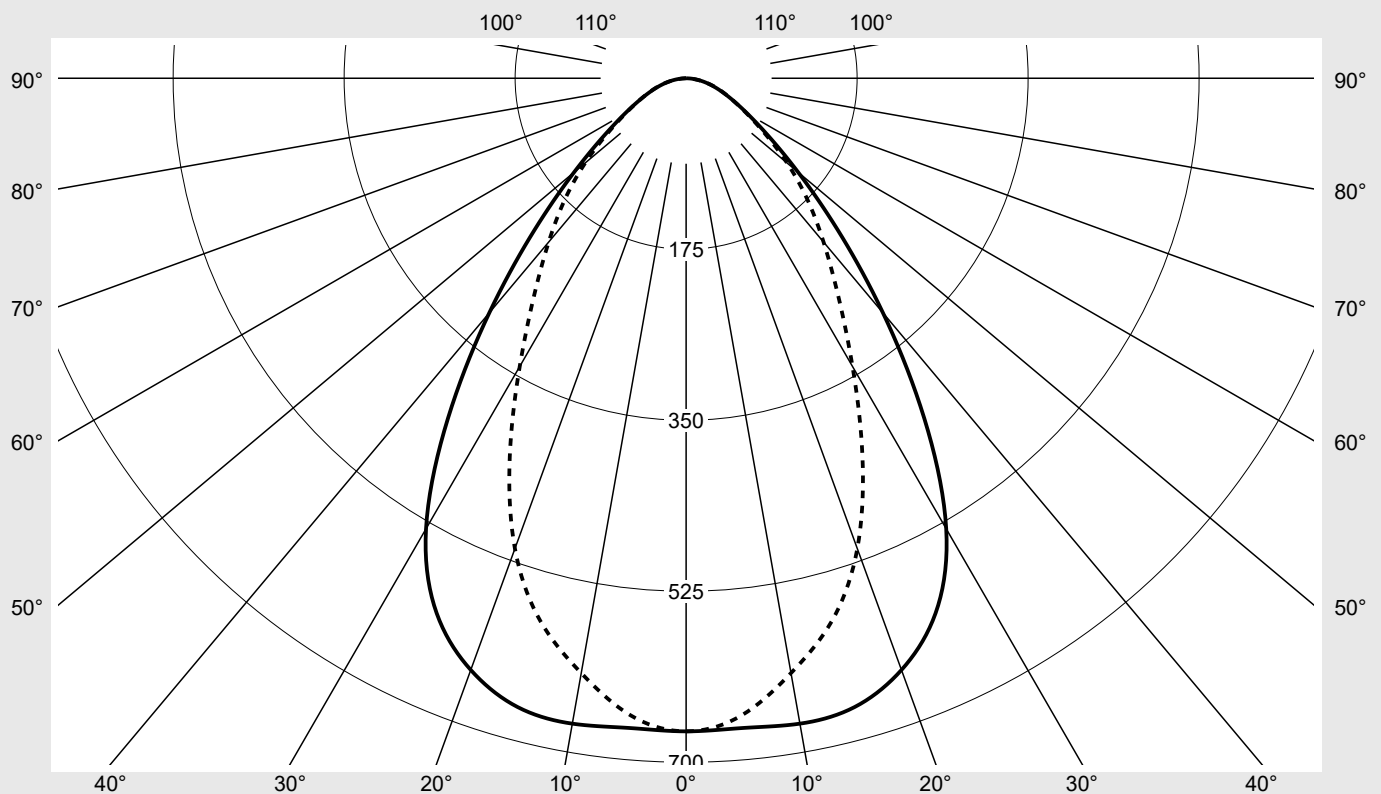
Seriendokumentation
28.09.2023

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

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

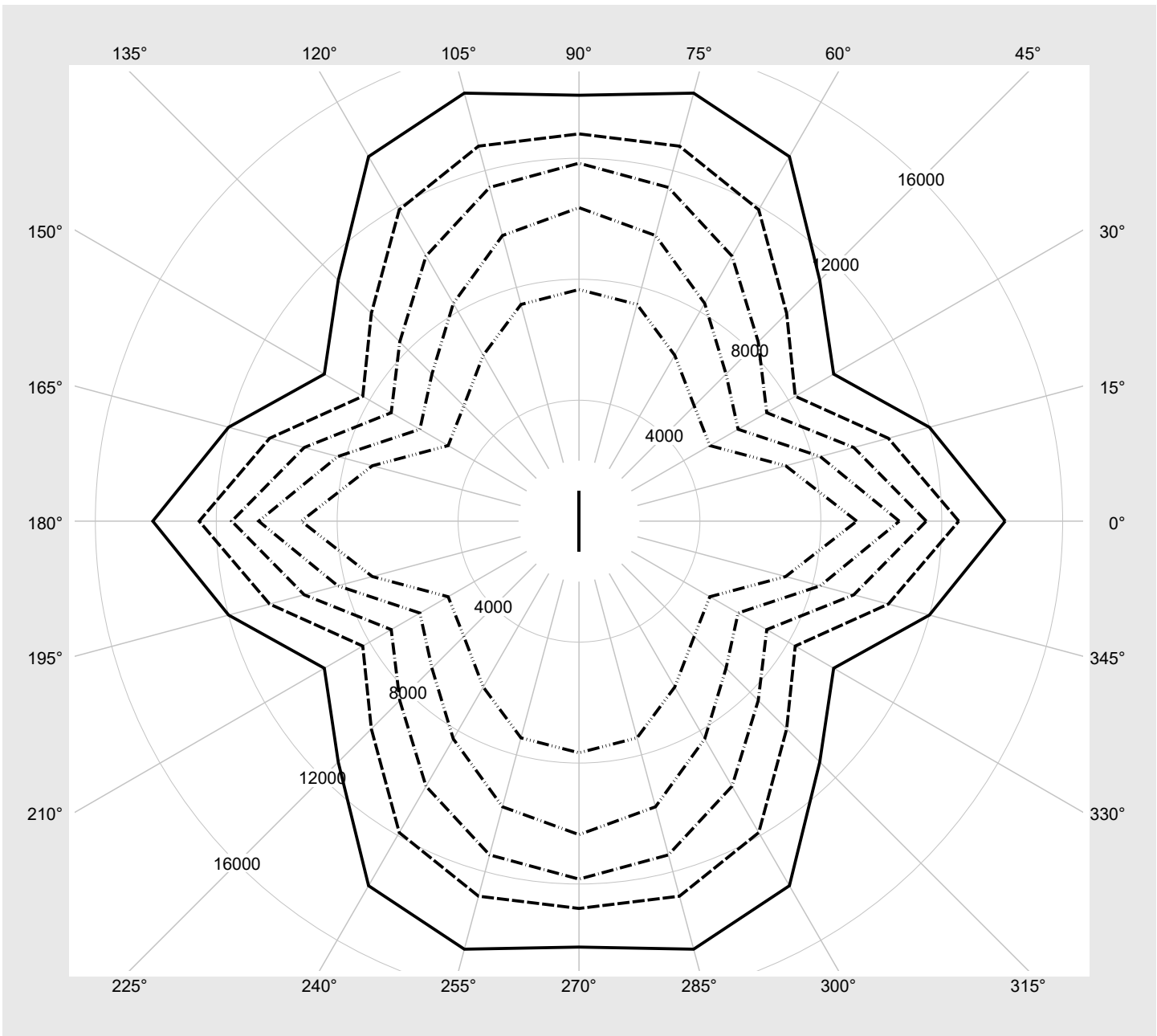
Lichttechnische Abmessungen in mm: L = 1500 B = 58

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°		35456.8	32404.4	28413.4	27679.5	29404.3	29873.5	28389.5
50°		26632.7	23588.0	20036.3	20693.7	23663.1	25909.0	23994.0
55°		20471.0	17771.2	14898.3	16255.2	19556.4	21524.2	19551.4
60°		16556.3	14212.0	11736.0	13345.4	16415.7	17500.8	16235.4
65°		14099.7	12000.5	9728.2	11264.2	13922.4	14655.3	14086.2
70°		12564.7	10594.5	8260.7	9715.3	11892.9	12840.9	12808.4
75°		11488.5	9410.8	7173.1	8386.1	10124.0	11427.1	11838.9
80°		10596.5	8261.0	6077.7	6879.3	8316.4	9779.8	10368.0
85°		9189.5	7078.1	4998.3	5389.3	6335.4	7419.3	7660.8

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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	9950	58.0
95	240	252	9450	54.8
90	226	250	8944	51.5
85	213	248	8467	48.7
80	199	245	7950	45.5
75	186	243	7462	42.6
70	173	240	6971	39.6
65	160	237	6477	36.8
60	147	234	5976	33.9
55	134	231	5471	31.0
50	121	227	4959	28.2
45	109	223	4483	25.5
40	96	218	3963	22.7
35	84	213	3480	20.1
30	72	208	2991	17.5
25	60	201	2499	15.0
20	48	193	2003	12.3
15	36	182	1503	9.7
10	24	168	1000	7.2
5	12	142	494	4.6
2	4	102	154	3.0