

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TE12DN455G
EAN: 4058352013328

LP-Nummer
59101_364



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 5510 lm
Systemleistung = 29.7 W
Lichtausbeute = 185.5 lm/W

Seriendokumentation
24.11.2023

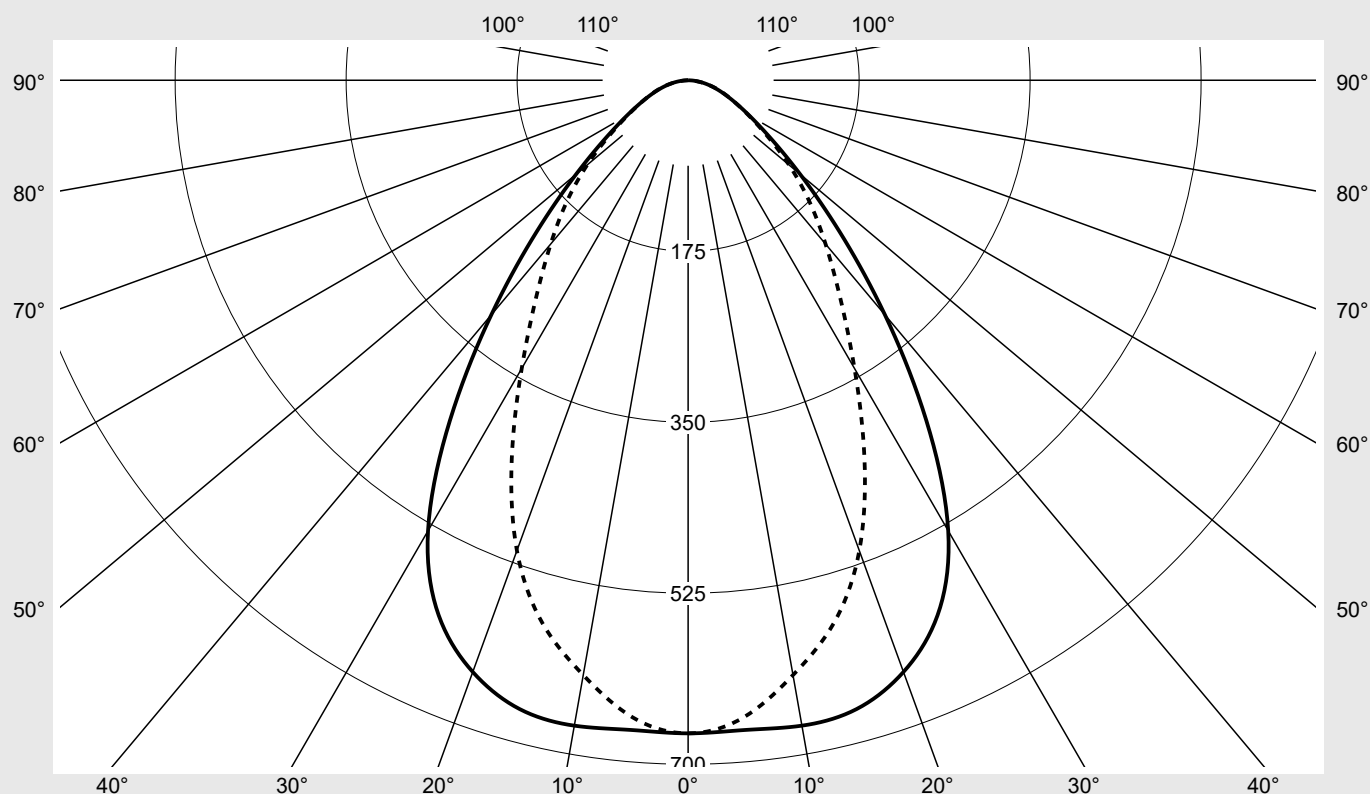
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Lichtstärke in cd/klm

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°			
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	19,7	21,1	20,0	21,4	21,7	19,6	21,0	20,0	21,4	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	21,7	22,5	22,9
	6H	21,2	21,9	21,6	22,4	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	22,1	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	22,3	22,2	22,7	23,2
	8H	21,4	21,9	21,9	22,4	22,9	21,9	22,4	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	21,9	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
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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°	19634.8	17944.5	15734.5	15328.0	16283.2	16543.0	15721.2	
50°	14748.3	13062.3	11095.5	11459.5	13103.9	14347.6	13287.2	
55°	11336.2	9841.1	8250.2	9001.6	10829.7	11919.4	10827.0	
60°	9168.4	7870.2	6499.0	7390.2	9090.5	9691.4	8990.7	
65°	7808.0	6645.5	5387.1	6237.7	7709.8	8115.6	7800.5	
70°	6957.9	5866.9	4574.5	5380.1	6585.9	7110.9	7092.9	
75°	6362.0	5211.4	3972.2	4643.9	5606.3	6328.0	6556.0	
80°	5868.0	4574.7	3365.7	3809.5	4605.3	5415.8	5741.5	
85°	5088.9	3919.6	2767.9	2984.4	3508.4	4108.6	4242.3	

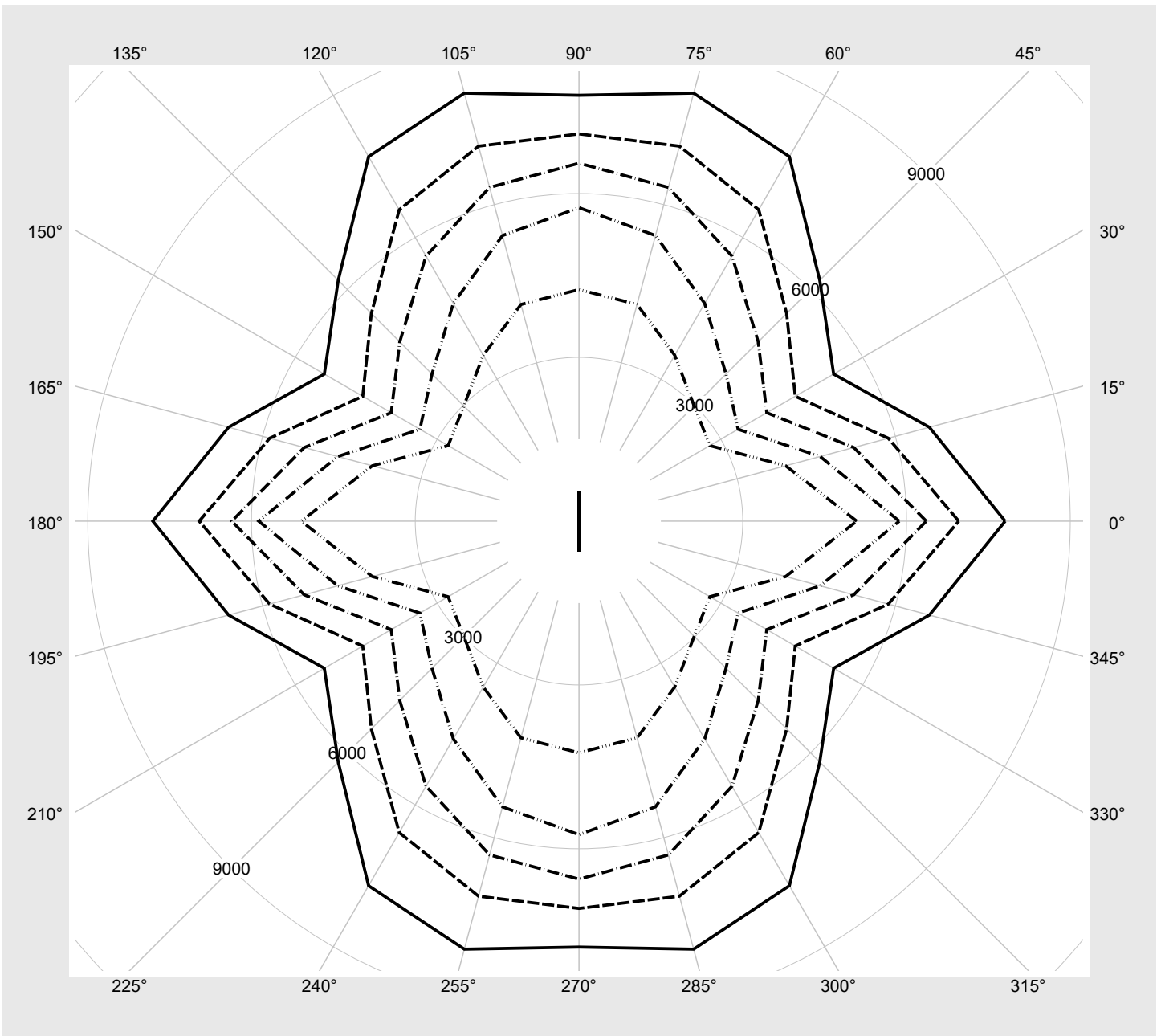
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Leuchtdichten in cd/m²

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	5510	29.7
95	241	252	5239	28.3
90	228	250	4966	26.9
85	215	248	4693	25.5
80	202	246	4416	24.2
75	189	243	4140	22.8
70	176	241	3861	21.3
65	163	238	3583	19.9
60	150	235	3301	18.4
55	137	231	3021	16.9
50	125	228	2758	15.5
45	112	224	2473	14.0
40	100	220	2212	12.5
35	87	215	1925	11.5
30	75	209	1660	10.3
25	62	202	1372	8.9
20	50	194	1105	7.5
15	38	184	839	6.2