

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL18DE445G
EAN: 4058352891322

LP-Nummer
59103_239



Ausführung Abdeckung satiniert, medium strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 4990 lm
Systemleistung = 29.9 W
Lichtausbeute = 166.9 lm/W

Seriendokumentation
02.08.2023

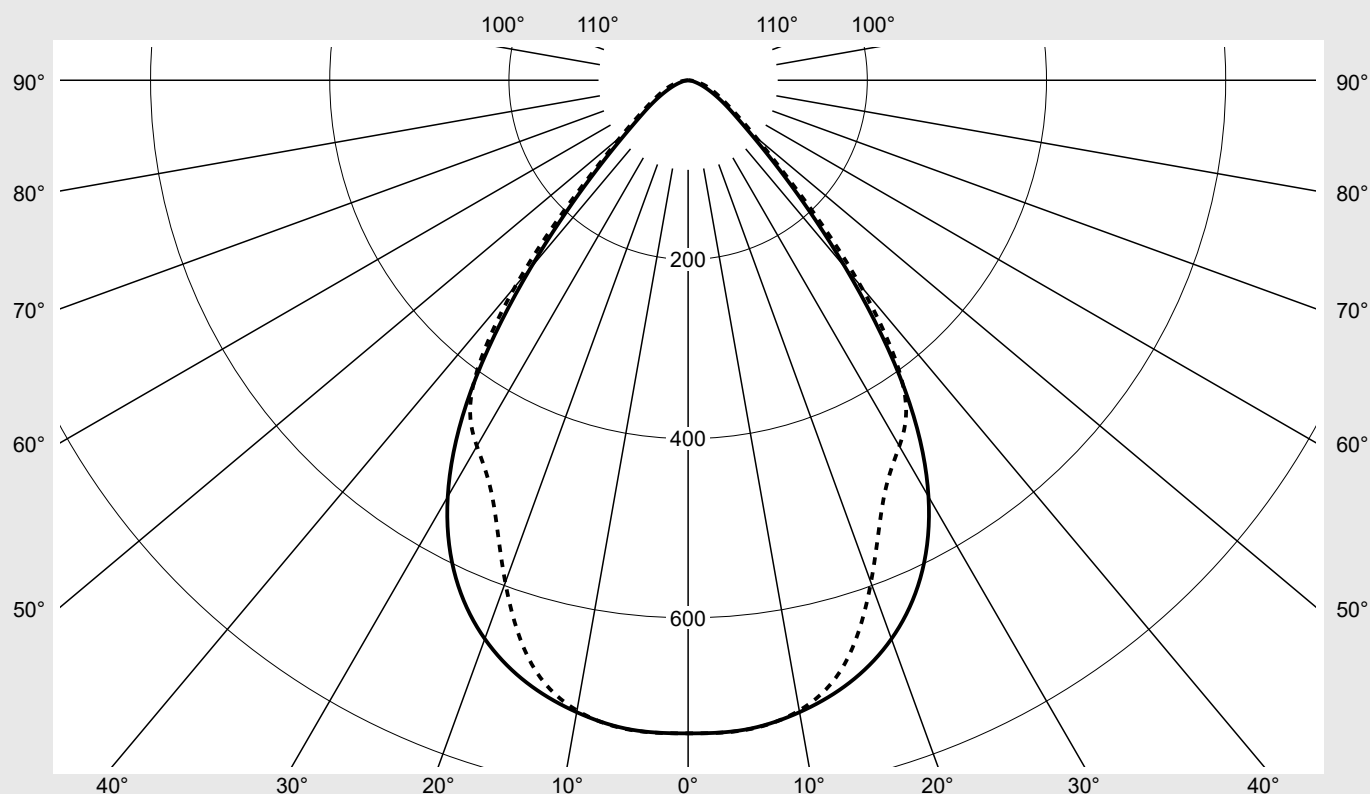
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 729 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=79 N2=95 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°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
0°	728.9	728.9	728.9	728.9	728.9	728.9	728.9	4.4	4.4
5°	727.6	725.6	721.4	724.4	727.7	727.5	728.0	34.7	39.0
10°	716.2	715.8	711.3	714.1	716.0	714.5	714.3	68.0	107.0
15°	696.1	697.2	692.4	692.3	687.6	678.3	674.7	97.7	204.8
20°	663.5	665.6	659.3	649.0	628.4	605.3	596.6	119.9	324.7
25°	613.2	616.1	603.1	573.7	542.7	522.2	516.0	132.1	456.8
30°	536.6	538.7	513.6	472.5	462.2	468.1	471.5	135.2	592.0
35°	422.0	421.2	386.0	361.6	387.1	411.1	419.4	125.1	717.1
40°	273.6	269.8	241.4	246.2	279.1	295.4	299.7	95.1	812.2
45°	153.4	148.0	132.2	146.4	164.6	167.9	167.6	59.4	871.5
50°	87.1	86.0	88.4	95.4	105.5	102.0	98.3	39.9	911.4
55°	56.5	55.2	58.2	69.2	74.7	68.5	64.6	28.9	940.4
60°	37.8	37.4	39.6	46.2	52.4	47.5	45.7	20.9	961.3
65°	24.5	24.8	27.6	32.4	36.8	34.0	33.6	15.3	976.6
70°	15.3	15.7	18.0	22.8	25.8	24.5	24.5	10.9	987.5
75°	8.5	8.7	10.3	14.3	17.1	16.5	16.4	7.0	994.5
80°	4.5	4.6	5.3	7.4	9.6	9.5	9.0	3.9	998.3
85°	2.3	2.3	2.4	3.2	3.8	3.8	3.2	1.7	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	21,6	20,6	21,9	22,2	20,9	22,2	21,2	22,5	22,9
	3H	20,4	21,6	20,8	21,9	22,3	21,3	22,4	21,6	22,8	23,1
	4H	20,4	21,5	20,8	21,9	22,2	21,4	22,5	21,8	22,9	23,3
	6H	20,4	21,4	20,8	21,8	22,2	21,5	22,5	22,0	22,9	23,3
	8H	20,5	21,3	20,9	21,7	22,1	21,6	22,5	22,1	22,9	23,3
	12H	20,4	21,3	20,9	21,7	22,1	21,6	22,5	22,1	22,9	23,3
4H	2H	20,4	21,5	20,8	21,8	22,2	21,0	22,1	21,4	22,4	22,8
	3H	20,6	21,5	21,0	21,9	22,3	21,5	22,4	21,9	22,8	23,2
	4H	20,7	21,5	21,1	21,9	22,3	21,8	22,6	22,2	23,0	23,4
	6H	20,7	21,4	21,2	21,8	22,3	22,0	22,6	22,4	23,1	23,5
	8H	20,7	21,3	21,2	21,8	22,2	22,0	22,6	22,5	23,1	23,6
	12H	20,7	21,2	21,2	21,7	22,2	22,1	22,6	22,6	23,0	23,5
8H	4H	20,7	21,4	21,2	21,8	22,3	21,8	22,4	22,3	22,9	23,3
	6H	20,8	21,3	21,3	21,8	22,3	22,0	22,6	22,5	23,0	23,5
	8H	20,8	21,2	21,3	21,7	22,3	22,1	22,6	22,6	23,1	23,6
	12H	20,8	21,2	21,3	21,7	22,2	22,2	22,6	22,7	23,1	23,6
12H	4H	20,8	21,3	21,3	21,8	22,3	21,8	22,3	22,3	22,8	23,3
	6H	20,8	21,2	21,3	21,7	22,2	22,0	22,5	22,6	23,0	23,5
	8H	20,8	21,2	21,3	21,7	22,2	22,1	22,5	22,7	23,0	23,6

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

Lichttechnische Abmessungen in mm: L = 750 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°		24885.2	24005.2	21443.5	23742.1	26702.6	27237.1	27196.1
50°		15551.3	15347.7	15777.4	17025.9	18830.7	18197.3	17550.6
55°		11294.1	11035.5	11633.7	13848.9	14938.9	13707.1	12916.1
60°		8664.5	8571.6	9077.4	10600.8	12014.1	10897.5	10478.8
65°		6659.6	6742.1	7492.1	8806.1	9989.6	9232.8	9122.6
70°		5117.5	5253.7	6035.8	7634.0	8645.5	8220.6	8229.0
75°		3752.3	3864.4	4561.1	6347.3	7571.5	7324.6	7257.2
80°		2980.6	3063.9	3482.7	4855.4	6312.7	6262.5	5927.6
85°		3069.3	3036.4	3202.3	4169.7	4971.2	4971.2	4203.9

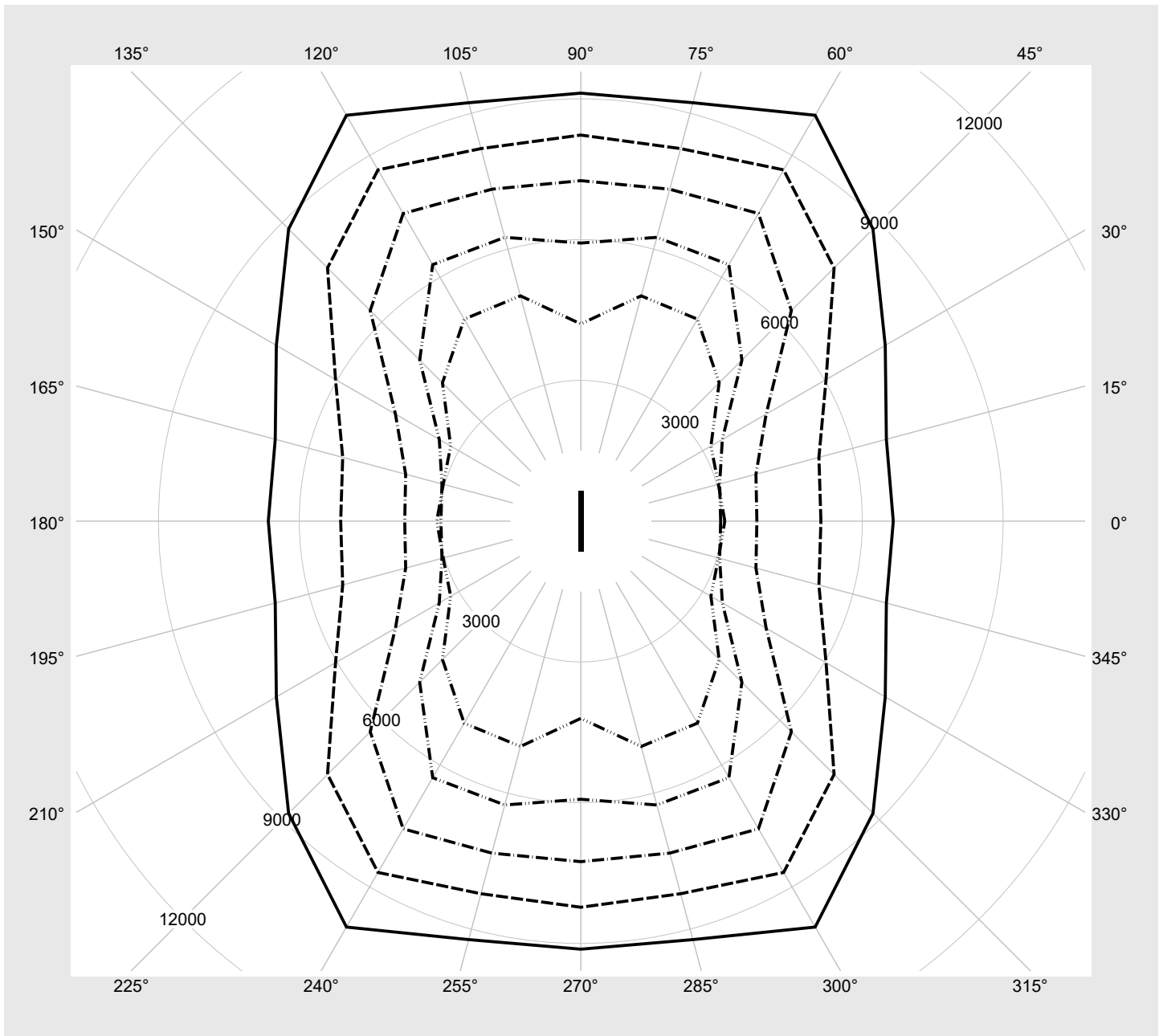
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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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Dimmstufen-Tabelle

Umgebungstemperatur: 25°C

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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	4990	29.9
95	240	252	4738	28.3
90	226	250	4484	26.7
85	213	248	4245	25.2
80	199	245	3985	23.6
75	186	243	3740	22.1
70	173	240	3494	20.6
65	160	237	3246	19.1
60	147	234	2995	17.6
55	134	231	2741	16.0
50	122	227	2504	14.8
45	109	223	2245	13.4
40	97	219	2005	12.2
35	84	213	1743	10.8
30	72	208	1497	9.4
25	60	201	1250	8.0
20	48	193	1003	6.6
17	40	186	836	5.6