

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL18VN555G
EAN: 4058352979648

LP-Nummer
59103_297



Ausführung Abdeckung satiniert, medium strahlend, hoher Sehkomfort

Bestückung LED 5000 K | CRI ≥ 80

Betriebsgerät EVG-DALI CLO

Bemessungswerte Nettolichtstrom = 5500 lm
Systemleistung = 30.9 W
Lichtausbeute = 178 lm/W

Seriendokumentation
07.11.2023

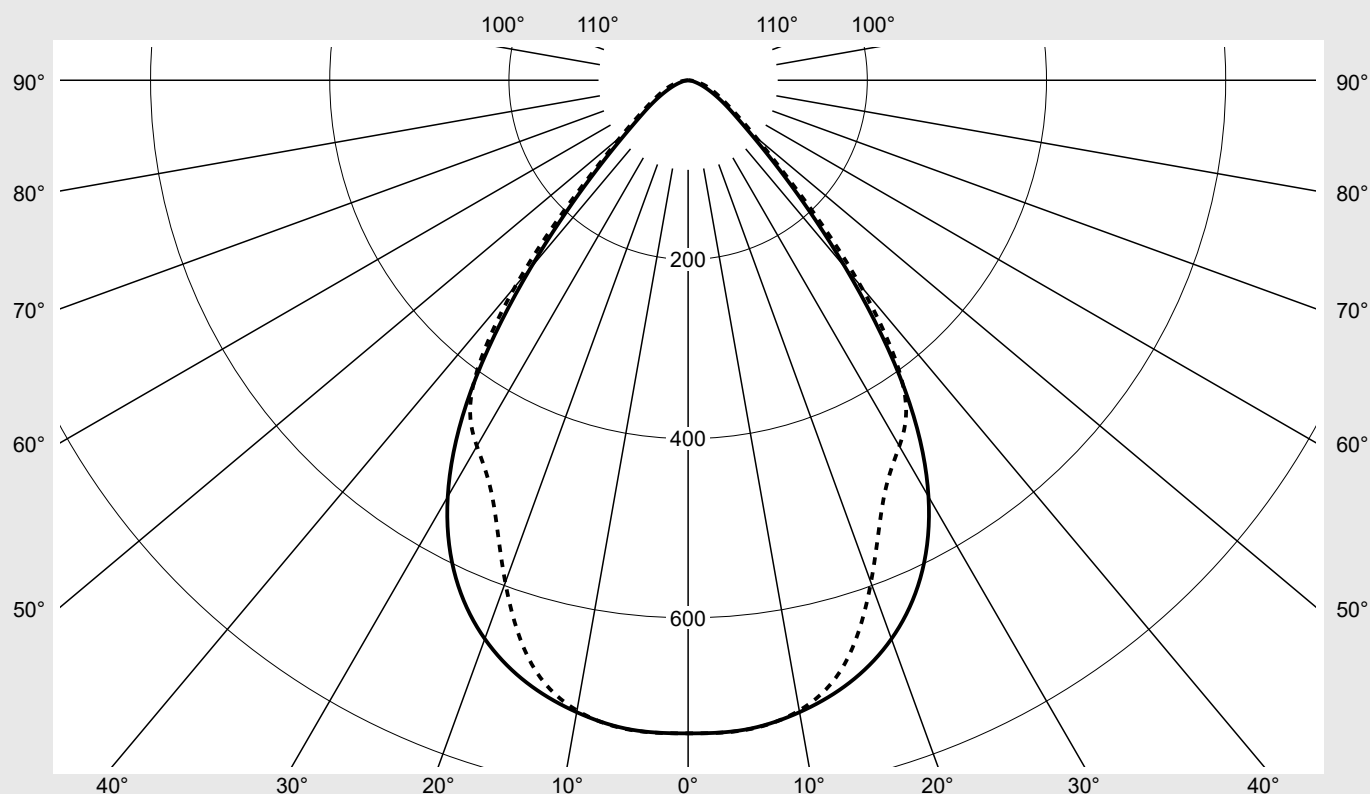
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Lichtstärke in cd/klm

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	sITeCO
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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									
γ								Lichtstrom in lm/klm	
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	18,2	19,5	18,5	19,8	20,1	18,8	20,2	19,2	20,5	20,8
	3H	18,3	19,5	18,7	19,8	20,2	19,2	20,4	19,6	20,7	21,1
	4H	18,3	19,4	18,7	19,8	20,2	19,3	20,5	19,7	20,8	21,2
	6H	18,3	19,3	18,7	19,7	20,1	19,5	20,5	19,9	20,8	21,2
	8H	18,4	19,3	18,8	19,7	20,1	19,6	20,4	20,0	20,8	21,2
	12H	18,4	19,2	18,8	19,6	20,0	19,6	20,4	20,0	20,8	21,2
4H	2H	18,3	19,4	18,7	19,8	20,1	18,9	20,0	19,3	20,4	20,7
	3H	18,5	19,5	19,0	19,9	20,3	19,4	20,3	19,9	20,7	21,2
	4H	18,6	19,4	19,0	19,8	20,3	19,7	20,5	20,1	20,9	21,4
	6H	18,6	19,3	19,1	19,7	20,2	19,9	20,6	20,3	21,0	21,5
	8H	18,6	19,2	19,1	19,7	20,2	19,9	20,6	20,4	21,0	21,5
	12H	18,6	19,2	19,1	19,6	20,1	20,0	20,5	20,5	21,0	21,5
8H	4H	18,7	19,3	19,2	19,7	20,2	19,7	20,3	20,2	20,8	21,3
	6H	18,7	19,2	19,2	19,7	20,2	20,0	20,5	20,5	21,0	21,5
	8H	18,7	19,2	19,2	19,7	20,2	20,1	20,5	20,6	21,0	21,5
	12H	18,7	19,1	19,3	19,6	20,2	20,1	20,5	20,7	21,0	21,5
12H	4H	18,7	19,2	19,2	19,7	20,2	19,7	20,2	20,2	20,7	21,2
	6H	18,7	19,2	19,3	19,6	20,2	20,0	20,4	20,5	20,9	21,4
	8H	18,8	19,1	19,3	19,6	20,2	20,1	20,4	20,6	20,9	21,5

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°		13714.3	13229.3	11817.6	13084.3	14715.9	15010.4	14987.8
50°		8570.3	8458.1	8695.0	9383.0	10377.6	10028.6	9672.2
55°		6224.2	6081.7	6411.4	7632.1	8232.8	7554.0	7118.1
60°		4775.0	4723.8	5002.6	5842.1	6621.0	6005.6	5774.9
65°		3670.1	3715.6	4128.9	4853.1	5505.3	5088.2	5027.5
70°		2820.3	2895.3	3326.3	4207.1	4764.6	4530.4	4535.0
75°		2067.9	2129.7	2513.6	3498.0	4172.6	4036.6	3999.5
80°		1642.6	1688.5	1919.3	2675.8	3479.0	3451.3	3266.7
85°		1691.5	1673.4	1764.8	2297.9	2739.6	2739.6	2316.8

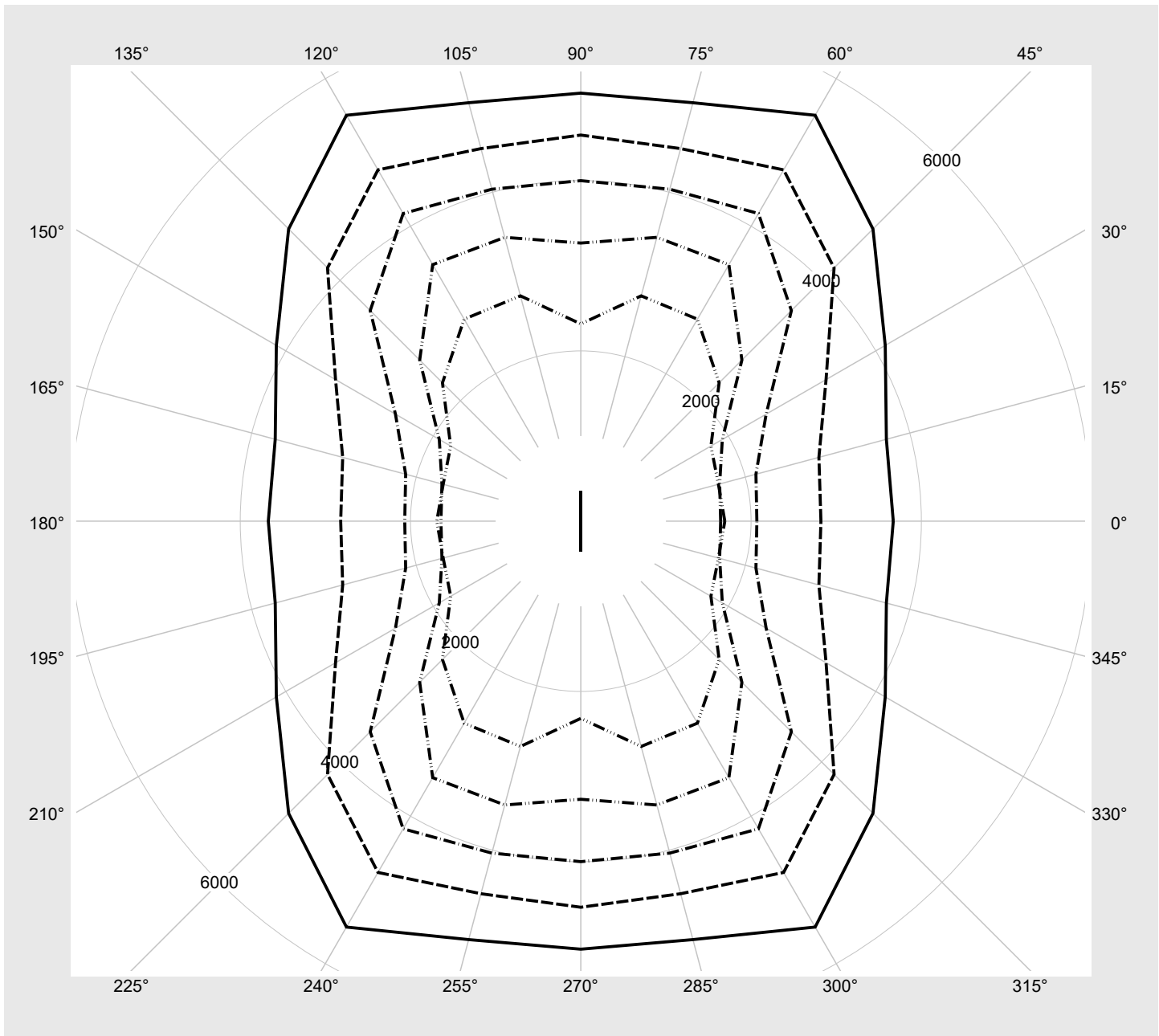
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Leuchtdichten in cd/m²

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] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	5500	30.9	36.5	33.7
95	241	252	5228	29.3	34.7	32.0
90	228	250	4956	27.9	32.9	30.4
85	215	248	4684	26.4	31.1	28.8
80	202	246	4408	25.0	29.2	27.1
75	189	243	4133	23.6	27.5	25.6
70	176	241	3854	22.1	25.8	24.0
65	163	238	3577	20.6	24.1	22.4
60	150	235	3296	19.1	22.4	20.8
55	137	231	3016	17.5	20.5	19.0
50	125	228	2754	16.1	18.9	17.5
45	112	224	2472	14.5	17.0	15.8
40	100	220	2208	13.0	15.3	14.2
35	87	215	1924	11.7	13.5	12.6
30	75	209	1658	10.7	11.8	11.2
25	62	202	1371	9.2	10.5	9.8
20	50	194	1104	7.8	8.9	8.4
15	37	183	816	6.3	7.0	6.6