

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL18DV4E5G
EAN: 4058352891407

LP-Nummer
59103_240



Ausführung Abdeckung satiniert, medium strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 14980 lm
Systemleistung = 85.3 W
Lichtausbeute = 175.6 lm/W

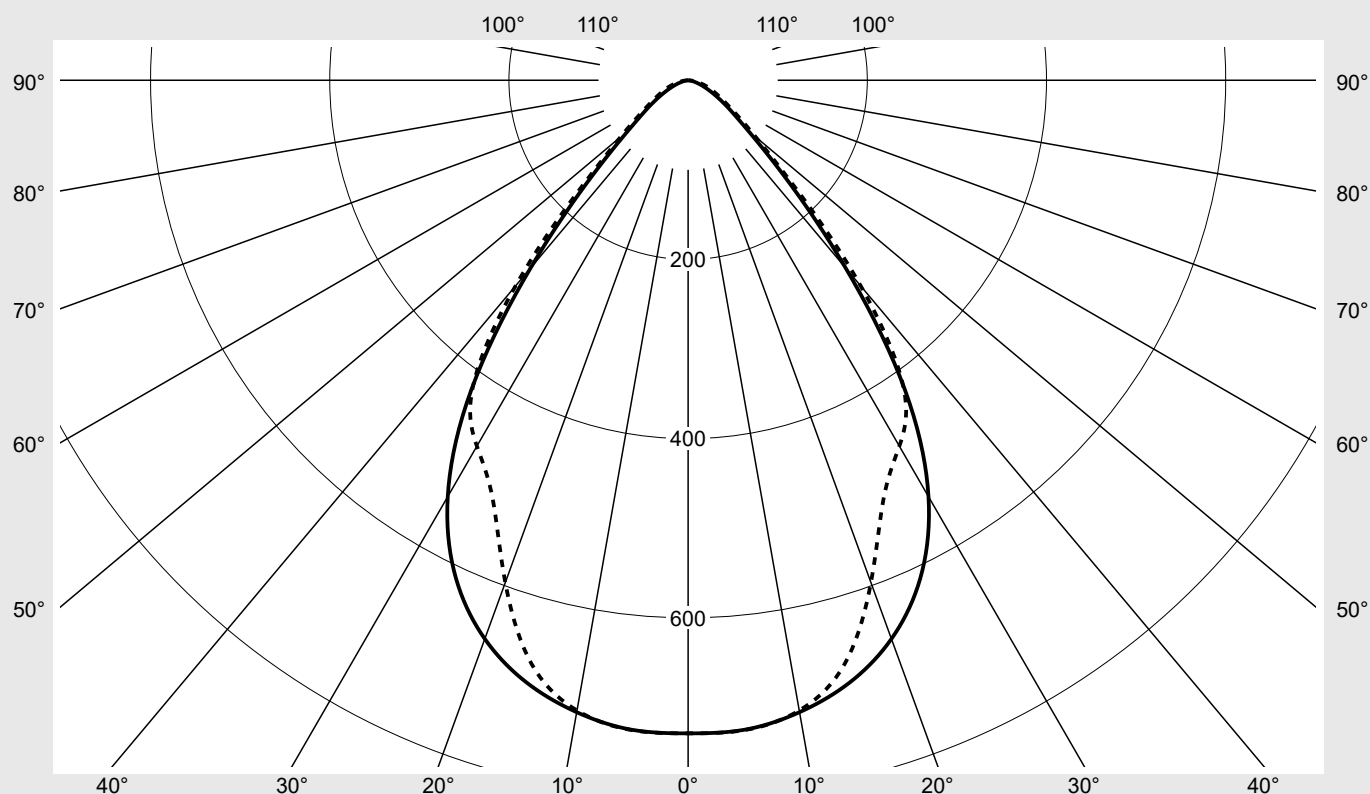
Seriendokumentation
02.08.2023

sitEco

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

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°	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	22,5	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	23,6
	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	23,1	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	22,3	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

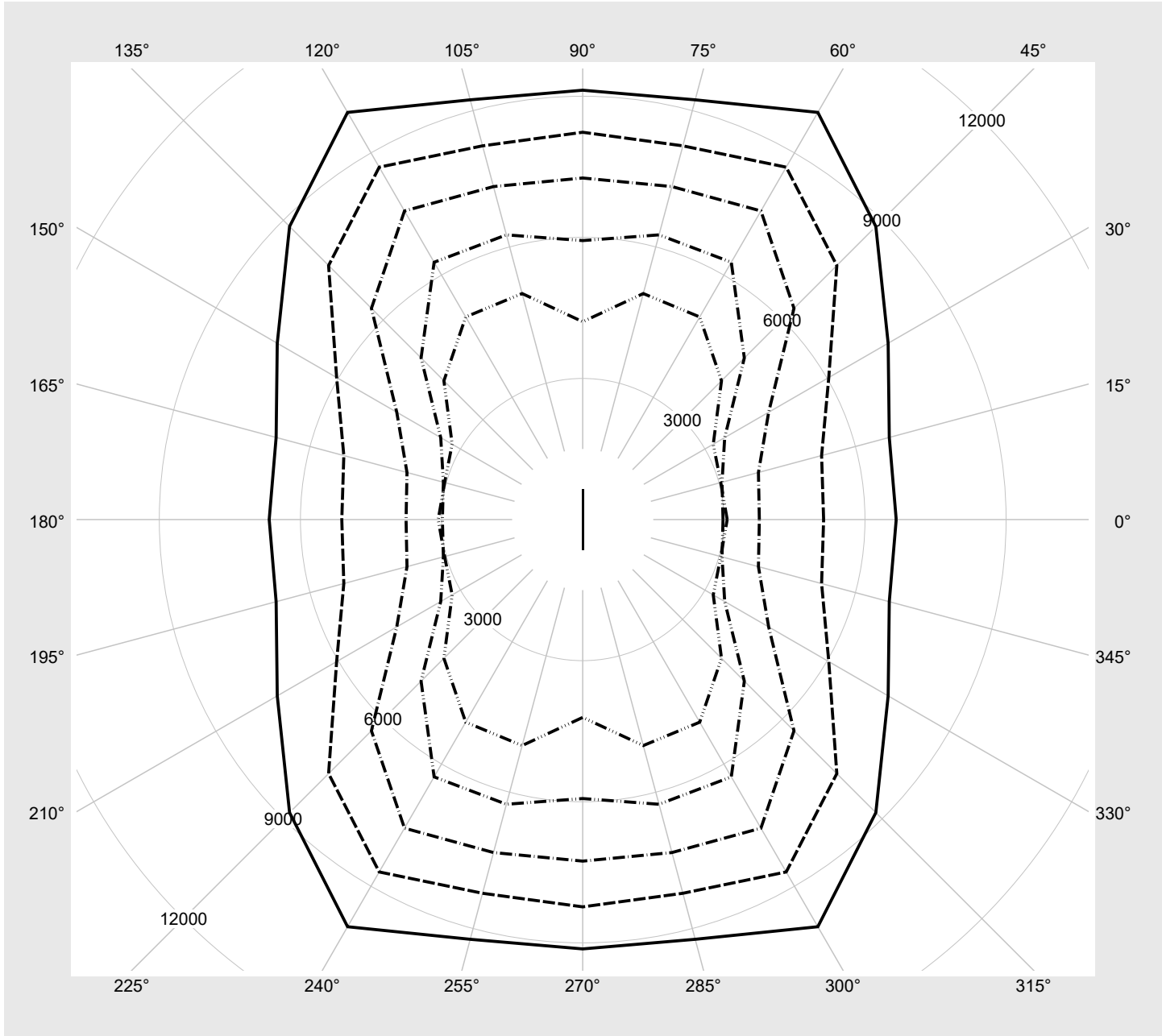
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 2250 B = 58
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C- Ebenen	γ	Leuchtdichte in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		24901.8	24021.3	21457.8	23758.0	26720.4	27255.3	27214.3
50°		15561.7	15357.9	15787.9	17037.3	18843.3	18209.5	17562.3
55°		11301.7	11042.9	11641.5	13858.1	14948.8	13716.2	12924.7
60°		8670.3	8577.3	9083.5	10607.9	12022.1	10904.8	10485.8
65°		6664.1	6746.6	7497.1	8812.0	9996.2	9239.0	9128.7
70°		5120.9	5257.2	6039.8	7639.1	8651.3	8226.1	8234.5
75°		3754.8	3867.0	4564.2	6351.5	7576.5	7329.5	7262.1
80°		2982.6	3065.9	3485.0	4858.7	6316.9	6266.7	5931.6
85°		3071.4	3038.5	3204.4	4172.4	4974.5	4974.5	4206.7

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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°



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Dimmstufen-Tabelle		sITeco
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	14980	85.3
95	240	252	14226	80.7
90	226	250	13463	76.1
85	213	248	12744	71.7
80	199	245	11965	67.0
75	186	243	11228	62.7
70	173	240	10489	58.3
65	160	237	9744	54.0
60	147	234	8991	49.7
55	134	231	8229	45.4
50	122	227	7518	41.4
45	109	223	6742	37.3
40	97	219	6021	33.4
35	84	213	5232	29.2
30	72	208	4496	25.3
25	60	201	3755	21.5
20	48	193	3010	17.4
15	36	182	2259	13.3
10	24	168	1503	9.0
5	12	142	742	4.4
2	4	102	229	1.4