

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL1EDN455G
EAN: 4058352887110

LP-Nummer
59263_80



Ausführung Abdeckung satiniert, elliptisch eng strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 5800 lm
 Systemleistung = 32.4 W
 Lichtausbeute = 179 lm/W

Seriendokumentation
03.08.2023

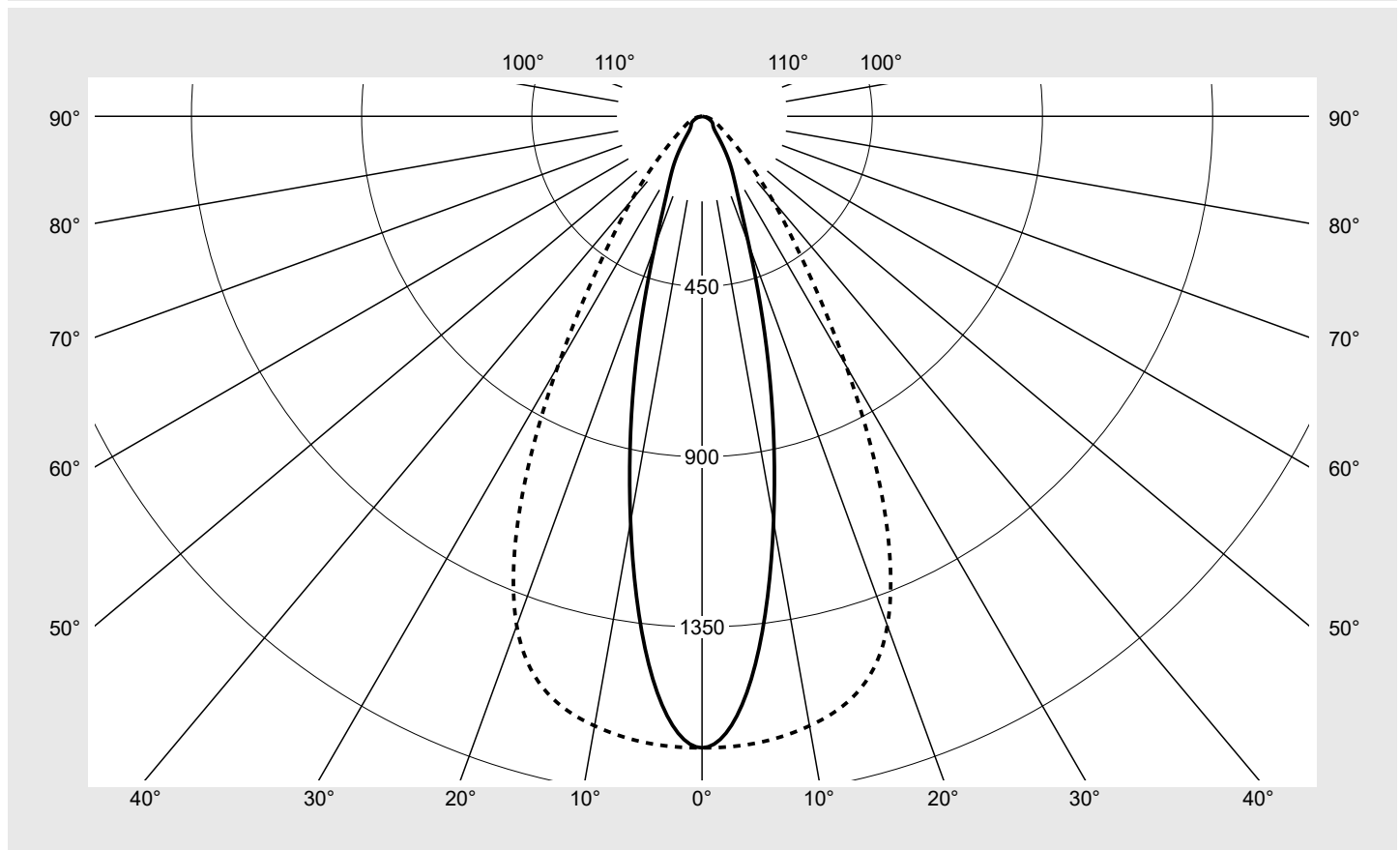
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 1670 cd/klm



Klassifizierungen

DIN 5040 A 7 0
 CIE N1=85 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°	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	10.0	10.0
5°	1493.3	1495.6	1516.6	1565.9	1616.3	1649.8	1662.9	75.0	85.0
10°	1088.5	1106.7	1175.0	1303.4	1460.6	1586.1	1636.2	126.8	211.8
15°	678.3	712.7	825.0	1006.5	1239.9	1474.8	1578.7	151.0	362.9
20°	362.1	388.9	492.0	707.6	980.6	1275.8	1432.9	148.2	511.0
25°	217.8	231.1	285.8	436.7	705.9	972.9	1137.5	127.8	638.8
30°	151.3	158.5	185.3	264.1	455.8	646.3	761.7	99.0	737.8
35°	95.4	107.0	131.3	171.8	268.4	391.1	463.8	70.7	808.5
40°	57.7	64.5	93.9	120.6	157.9	239.7	291.4	50.0	858.5
45°	43.5	45.9	58.2	86.3	99.5	145.4	176.9	35.2	893.7
50°	37.7	39.0	42.8	61.0	68.3	89.3	109.1	26.2	919.9
55°	34.6	35.0	36.7	43.5	50.5	59.6	73.7	20.9	940.8
60°	30.2	31.1	32.8	34.2	38.6	42.0	53.5	17.5	958.3
65°	23.9	25.4	29.1	28.1	30.1	30.8	41.3	14.6	972.8
70°	17.0	18.4	22.5	23.3	23.4	22.7	30.8	11.5	984.3
75°	10.9	12.0	16.2	17.9	17.4	15.7	20.7	8.4	992.7
80°	6.2	6.7	9.0	10.7	11.0	9.3	11.6	5.0	997.7
85°	3.1	3.3	4.2	5.0	4.8	3.9	4.2	2.3	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	13,3	14,5	13,6	14,8	15,1	18,3	19,5	18,6	19,8	20,1
	3H	14,4	15,5	14,8	15,9	16,2	18,8	19,9	19,2	20,2	20,6
	4H	14,8	15,8	15,2	16,2	16,6	19,1	20,1	19,5	20,4	20,8
	6H	15,0	16,0	15,4	16,3	16,7	19,3	20,2	19,8	20,6	21,0
	8H	15,2	16,0	15,6	16,4	16,8	19,5	20,2	19,9	20,6	21,0
	12H	15,2	16,0	15,7	16,4	16,8	19,5	20,2	20,0	20,6	21,0
4H	2H	14,1	15,0	14,5	15,4	15,8	18,2	19,3	18,6	19,6	20,0
	3H	15,5	16,3	15,9	16,7	17,1	19,0	19,8	19,4	20,2	20,6
	4H	16,0	16,8	16,5	17,2	17,6	19,3	20,1	19,8	20,5	20,9
	6H	16,3	17,0	16,8	17,4	17,9	19,6	20,3	20,1	20,7	21,2
	8H	16,4	17,0	16,9	17,4	17,9	19,8	20,3	20,2	20,8	21,2
	12H	16,5	17,0	17,0	17,5	18,0	19,8	20,3	20,3	20,7	21,2
8H	4H	16,5	17,0	17,0	17,5	18,0	19,4	20,0	19,9	20,5	20,9
	6H	17,0	17,4	17,5	17,9	18,4	19,8	20,3	20,3	20,8	21,3
	8H	17,1	17,5	17,6	18,0	18,5	20,0	20,4	20,5	20,9	21,4
	12H	17,2	17,6	17,7	18,1	18,6	20,1	20,4	20,6	20,9	21,4
12H	4H	16,5	17,0	17,0	17,5	18,0	19,4	19,9	19,9	20,4	20,9
	6H	17,0	17,4	17,6	17,9	18,4	19,8	20,2	20,3	20,7	21,3
	8H	17,2	17,6	17,8	18,1	18,6	20,0	20,4	20,5	20,9	21,4

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°		4100.2	4325.1	5482.6	8134.4	9384.2	13708.4	16682.1	
50°		3914.1	4042.8	4438.7	6330.2	7084.9	9264.9	11319.0	
55°		4017.1	4065.8	4268.0	5053.1	5871.6	6930.3	8568.3	
60°		4020.8	4152.9	4375.3	4563.6	5145.7	5597.5	7132.3	
65°		3774.6	4002.7	4593.1	4434.1	4752.9	4855.3	6517.2	
70°		3309.2	3579.3	4381.6	4545.9	4560.4	4418.3	6009.0	
75°		2796.5	3093.3	4171.3	4619.2	4485.8	4054.6	5329.1	
80°		2362.6	2555.0	3457.6	4091.4	4211.6	3565.8	4461.1	
85°		2390.4	2549.5	3244.0	3845.2	3683.8	2978.6	3192.0	

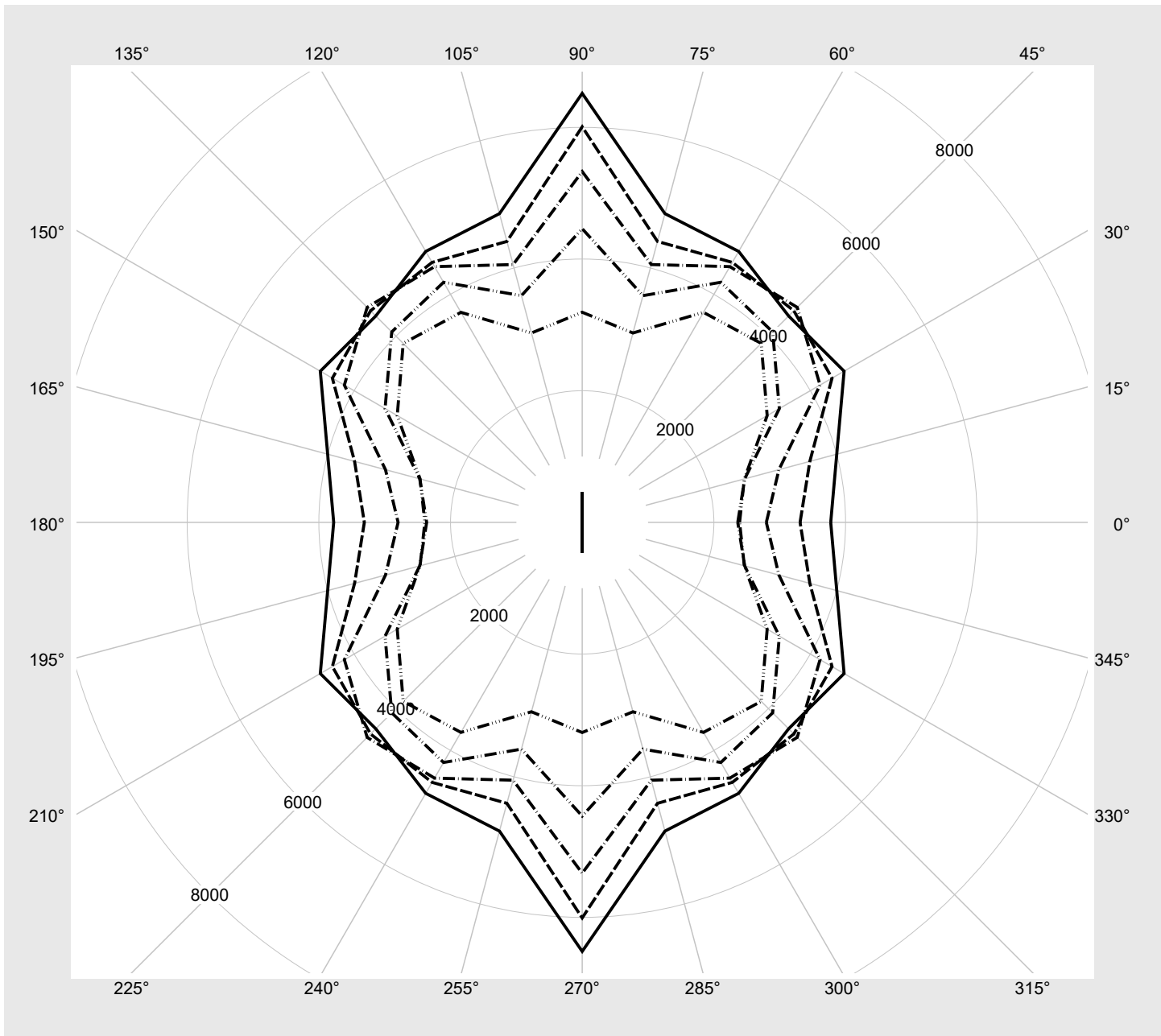
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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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Dimmstufen-Tabelle		Umgebungstemperatur: 25°C

sITeco

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	5800	32.4
95	241	252	5516	30.8
90	228	250	5230	29.1
85	215	248	4941	27.6
80	201	245	4631	26.0
75	188	243	4339	24.5
70	175	240	4049	23.0
65	163	238	3776	21.5
60	150	235	3483	20.0
55	137	231	3185	18.3
50	125	228	2912	16.8
45	112	224	2612	15.2
40	99	219	2310	13.5
35	87	215	2033	11.9
30	74	209	1730	11.0
25	62	202	1451	9.5
20	50	194	1167	8.1
15	37	183	863	6.5
14	35	181	816	6.3