

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL1EDN4E5S
EAN: 4058352891858

LP-Nummer
59263_83



Ausführung Abdeckung satiniert, elliptisch eng strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 14620 lm
 Systemleistung = 84.6 W
 Lichtausbeute = 172.8 lm/W

Seriendokumentation
03.08.2023

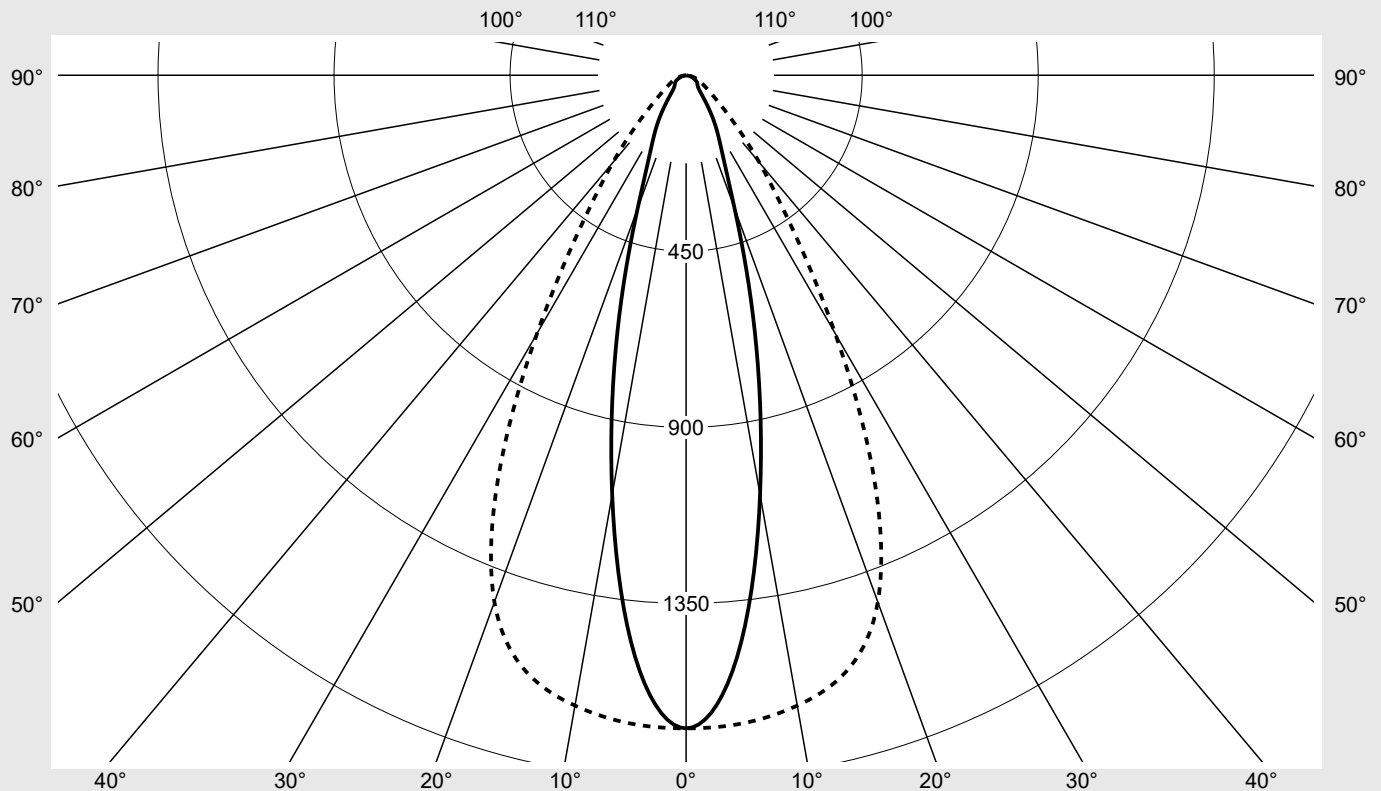
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Lichtstärke in cd/klm

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
		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	
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	16,5	17,7	16,8	18,0	18,3	21,5	22,7	21,8	23,0	23,3
	3H	17,6	18,7	18,0	19,1	19,4	22,1	23,1	22,4	23,4	23,8
	4H	18,0	19,0	18,4	19,4	19,8	22,3	23,3	22,7	23,7	24,0
	6H	18,2	19,2	18,6	19,6	20,0	22,6	23,4	23,0	23,8	24,2
	8H	18,4	19,2	18,8	19,6	20,0	22,7	23,4	23,1	23,8	24,2
	12H	18,4	19,2	18,9	19,6	20,0	22,7	23,4	23,2	23,8	24,2
4H	2H	17,3	18,3	17,7	18,6	19,0	21,5	22,5	21,9	22,8	23,2
	3H	18,7	19,5	19,1	19,9	20,3	22,2	23,0	22,6	23,4	23,8
	4H	19,2	20,0	19,7	20,4	20,8	22,6	23,3	23,0	23,7	24,2
	6H	19,5	20,2	20,0	20,6	21,1	22,8	23,5	23,3	23,9	24,4
	8H	19,6	20,2	20,1	20,7	21,1	23,0	23,5	23,5	24,0	24,5
	12H	19,7	20,2	20,2	20,7	21,2	23,0	23,5	23,5	24,0	24,5
8H	4H	19,7	20,2	20,2	20,7	21,2	22,6	23,2	23,1	23,7	24,2
	6H	20,2	20,6	20,7	21,1	21,6	23,1	23,5	23,6	24,0	24,5
	8H	20,3	20,7	20,8	21,2	21,7	23,2	23,6	23,7	24,1	24,6
	12H	20,4	20,8	20,9	21,3	21,8	23,3	23,6	23,8	24,1	24,7
12H	4H	19,8	20,2	20,2	20,7	21,2	22,6	23,1	23,1	23,6	24,1
	6H	20,3	20,6	20,8	21,1	21,7	23,0	23,5	23,6	23,9	24,5
	8H	20,5	20,8	21,0	21,3	21,8	23,2	23,6	23,7	24,1	24,6

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°		10335.3	10902.3	13820.0	20504.2	23654.5	34554.7	42050.3
50°		9866.2	10190.7	11188.6	15956.6	17858.8	23353.8	28531.8
55°		10125.9	10248.7	10758.2	12737.3	14800.4	17469.2	21598.1
60°		10135.2	10468.3	11028.9	11503.4	12970.8	14109.5	17978.2
65°		9514.5	10089.5	11577.8	11177.0	11980.6	12238.7	16427.7
70°		8341.4	9022.4	11044.7	11458.9	11495.2	11137.1	15146.8
75°		7049.2	7797.2	10514.4	11643.5	11307.2	10220.3	13432.9
80°		5955.5	6440.3	8715.5	10313.2	10616.1	8988.4	11245.1
85°		6025.3	6426.4	8177.1	9692.6	9285.8	7508.1	8046.0

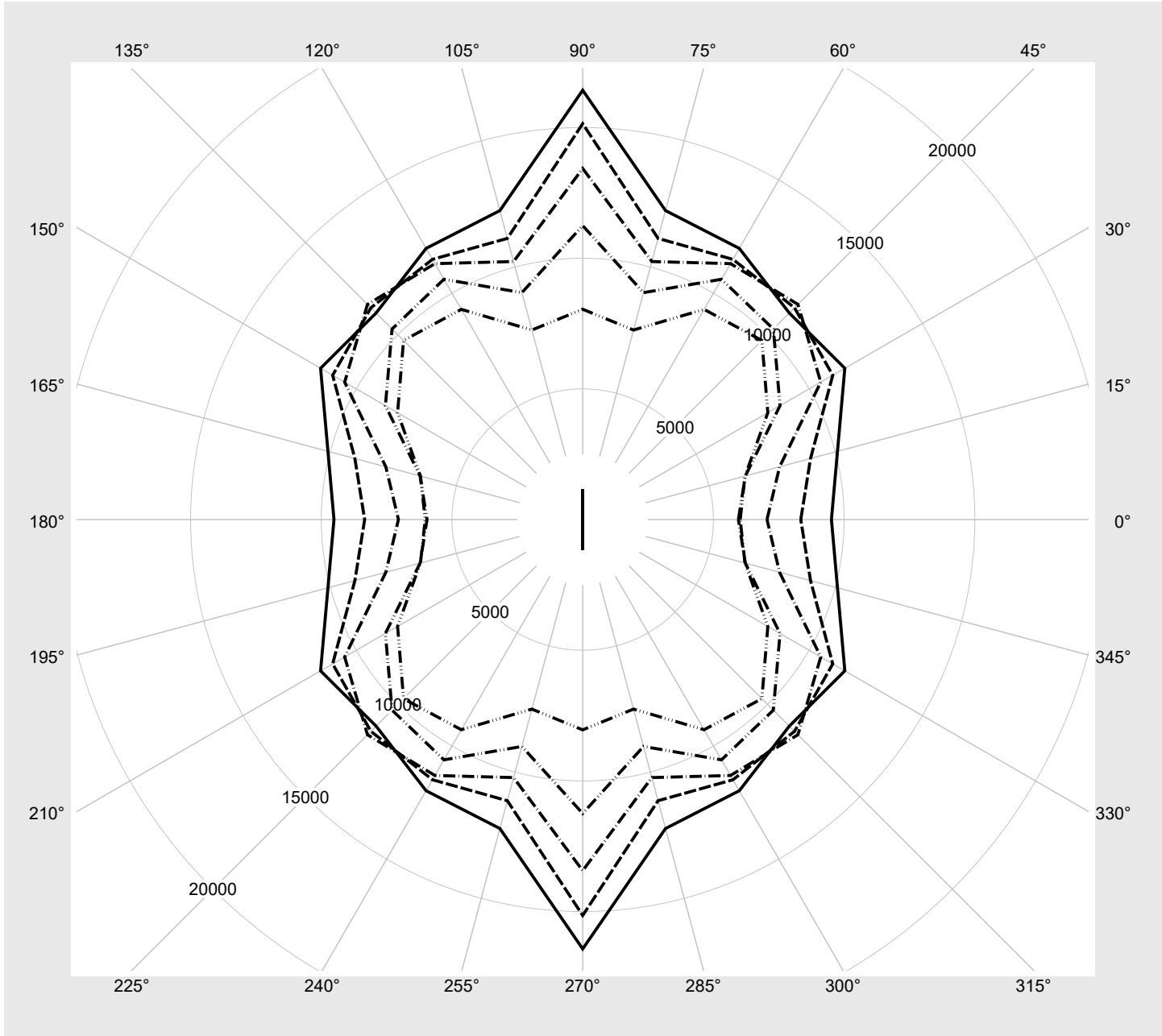
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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	14620	84.6
95	240	252	13886	80.0
90	226	250	13142	75.2
85	213	248	12446	71.0
80	199	245	11686	66.3
75	186	243	10968	62.0
70	173	240	10246	57.8
65	160	237	9514	53.6
60	147	234	8778	49.3
55	134	231	8034	45.1
50	122	227	7338	41.2
45	109	223	6580	37.1
40	97	219	5875	33.2
35	84	213	5100	29.1
30	72	208	4383	25.4
25	60	201	3660	21.6
20	48	193	2930	17.8
15	36	182	2197	14.0
10	24	168	1460	10.2
5	12	142	715	6.5
1	4	102	218	4.1