

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL12DN6E5M
EAN: 4058352971406

LP-Nummer
59446_87



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 6500 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 14610 lm
Systemleistung = 84.6 W
Lichtausbeute = 172.7 lm/W

Seriendokumentation
28.09.2023

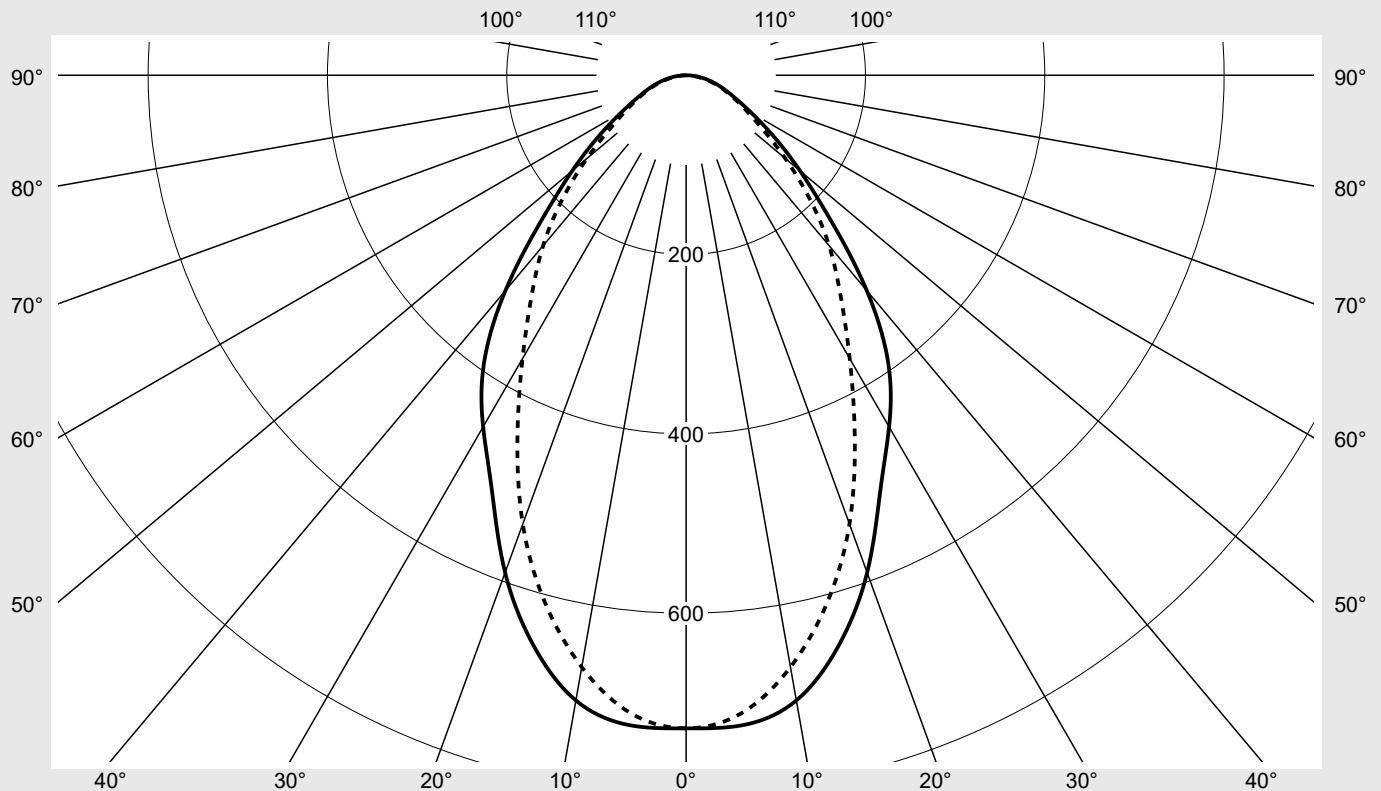
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 728 cd/klm



Klassifizierungen

DIN 5040 A 5 0
CIE N1=69 N2=91 N3=98
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									
Lichtstrom in lm/klm									
0°	728.4	728.4	728.4	728.4	728.4	728.4	728.4	4.4	4.4
5°	727.5	724.8	717.6	716.9	716.5	714.4	713.9	34.3	38.7
10°	708.0	704.6	693.5	687.1	680.0	672.5	670.2	65.5	104.1
15°	658.1	653.2	637.7	629.5	623.7	612.7	608.6	89.6	193.8
20°	590.3	582.5	562.9	551.9	546.6	538.5	532.6	104.5	298.2
25°	512.2	499.8	475.2	461.5	453.8	449.4	445.1	108.8	407.1
30°	452.8	433.7	396.2	371.8	363.4	365.0	364.9	106.8	513.9
35°	393.4	374.1	335.3	295.7	285.6	295.2	300.5	101.3	615.2
40°	313.5	300.8	276.8	238.3	224.4	239.2	248.1	91.6	706.8
45°	227.2	217.7	208.5	191.4	176.2	187.2	194.9	77.0	783.8
50°	165.8	151.3	143.3	147.8	138.9	142.4	144.5	61.5	845.3
55°	119.7	105.2	93.7	108.9	109.4	104.2	103.2	47.4	892.7
60°	84.3	73.0	63.0	78.5	83.8	75.4	76.1	35.9	928.6
65°	60.6	51.5	43.5	55.3	61.5	55.5	56.9	27.0	955.6
70°	44.8	36.9	29.5	37.3	40.5	40.0	42.0	19.5	975.1
75°	31.9	25.4	19.2	23.6	27.6	27.0	29.3	13.5	988.6
80°	20.2	15.5	11.1	12.8	15.3	15.6	17.2	8.0	996.7
85°	9.4	7.2	4.9	5.0	5.8	6.0	6.3	3.3	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									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	23,6	25,1	24,0	25,4	25,7	23,3	24,7	23,6	25,0	25,3
	3H	24,3	25,6	24,7	25,9	26,3	24,1	25,3	24,4	25,7	26,0
	4H	24,7	25,9	25,1	26,2	26,6	24,4	25,6	24,8	26,0	26,3
	6H	25,0	26,1	25,4	26,5	26,8	24,7	25,8	25,1	26,2	26,6
	8H	25,2	26,2	25,6	26,5	26,9	24,8	25,8	25,3	26,2	26,6
	12H	25,3	26,2	25,7	26,6	27,0	24,9	25,8	25,3	26,2	26,6
4H	2H	23,9	25,1	24,3	25,5	25,8	23,6	24,8	24,0	25,2	25,5
	3H	24,7	25,7	25,1	26,1	26,5	24,6	25,6	25,0	26,0	26,4
	4H	25,1	26,0	25,5	26,4	26,8	25,1	26,0	25,5	26,4	26,8
	6H	25,5	26,2	25,9	26,7	27,1	25,4	26,2	25,9	26,6	27,1
	8H	25,7	26,3	26,1	26,8	27,3	25,6	26,3	26,0	26,7	27,2
	12H	25,8	26,4	26,3	26,9	27,4	25,7	26,2	26,1	26,7	27,2
8H	4H	25,2	25,9	25,7	26,3	26,8	25,2	25,9	25,7	26,3	26,8
	6H	25,6	26,2	26,1	26,7	27,2	25,6	26,2	26,1	26,7	27,2
	8H	25,8	26,3	26,3	26,8	27,3	25,8	26,3	26,3	26,8	27,3
	12H	26,0	26,4	26,5	26,9	27,5	25,9	26,3	26,4	26,8	27,4
12H	4H	25,2	25,8	25,7	26,3	26,8	25,2	25,8	25,7	26,3	26,7
	6H	25,6	26,1	26,2	26,6	27,1	25,7	26,1	26,2	26,6	27,1
	8H	25,9	26,3	26,4	26,8	27,3	25,8	26,2	26,4	26,7	27,3

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

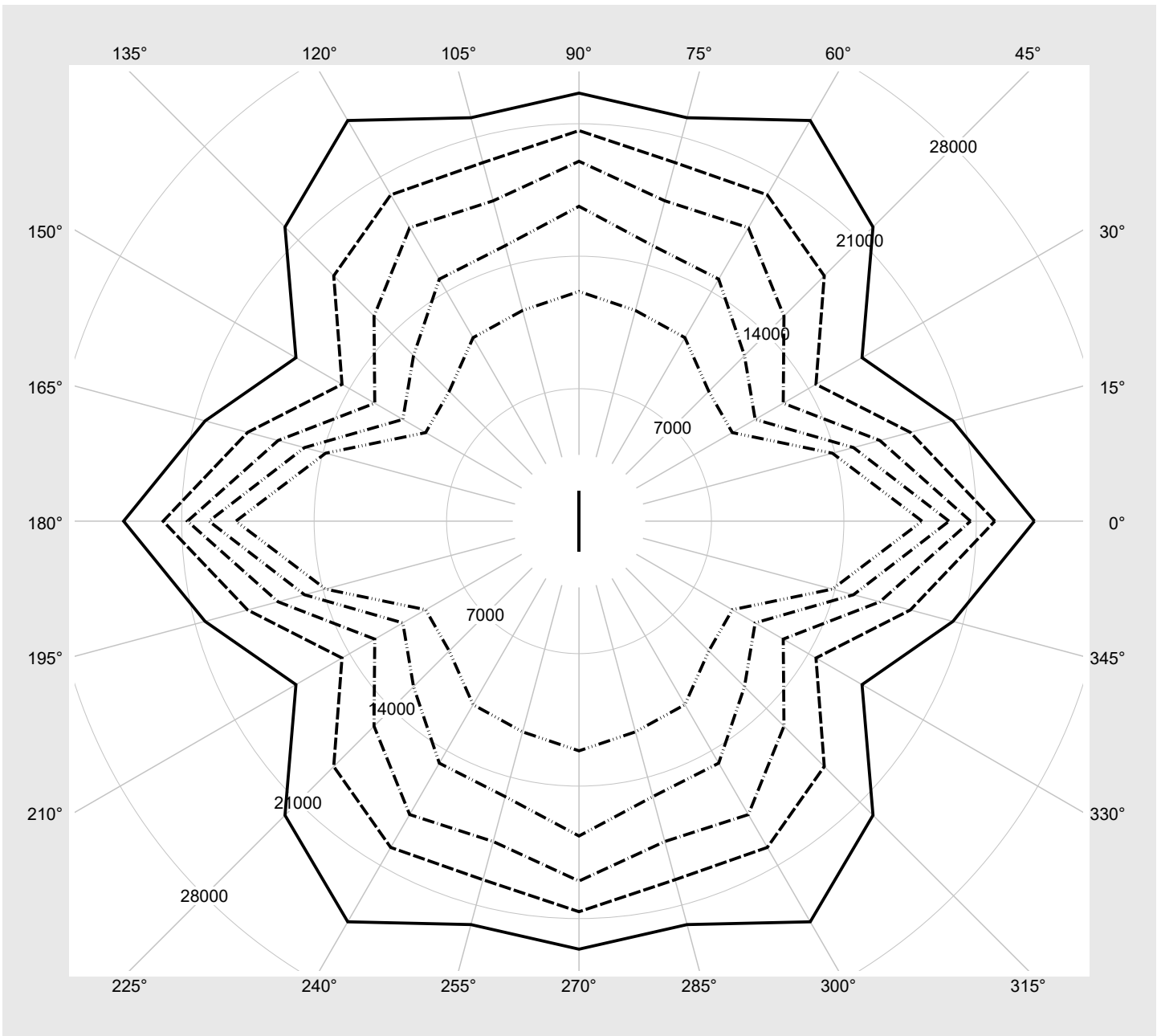
Lichttechnische Abmessungen in mm: **L = 1500**
B = 58

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°		53969.2	51699.0	49517.2	45462.5	41849.4	44447.0	46279.3
50°		43325.1	39524.4	37435.9	38601.4	36298.4	37196.9	37739.2
55°		35053.8	30812.6	27438.1	31887.7	32042.0	30504.3	30218.6
60°		28327.6	24508.2	21151.9	26360.5	28134.8	25325.0	25569.5
65°		24070.8	20463.2	17274.8	21977.5	24446.3	22070.1	22617.7
70°		21981.0	18132.5	14464.3	18334.8	19908.0	19615.8	20637.6
75°		20695.3	16465.5	12466.1	15321.6	17903.3	17525.1	19016.7
80°		19561.1	15021.6	10752.0	12369.9	14767.3	15069.9	16636.6
85°		18136.9	13869.1	9358.4	9701.4	11196.6	11526.1	12136.9

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



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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	14610	84.6
95	240	252	13874	80.0
90	226	250	13128	75.2
85	213	248	12431	71.0
80	199	245	11670	66.3
75	186	243	10951	62.0
70	173	240	10229	57.8
65	160	237	9496	53.6
60	147	234	8761	49.3
55	134	231	8017	45.1
50	122	227	7320	41.2
45	109	223	6563	37.1
40	97	219	5859	33.2
35	84	213	5086	29.1
30	72	208	4370	25.4
25	60	201	3649	21.6
20	48	193	2920	17.8
15	36	182	2190	14.0
10	24	168	1455	10.2
5	12	142	712	6.5
1	4	102	218	4.1