

Lichttechnischer Prüfbefund

Familie

Licross® 21 Recessed

Bestell-Nr.: 52TL18DV4L2M

EAN: 4058352891421

LP-Nummer

59104_147



Ausführung

Abdeckung satiniert, medium strahlend, hoher Sehkomfort

Bestückung

LED 4000 K | CRI ≥ 80

Betriebsgerät

EVG-DALI

Bemessungswerte

Nettolichtstrom = 22480 lm

Systemleistung = 125.6 W

Lichtausbeute = 179 lm/W

Seriendokumentation

02.08.2023

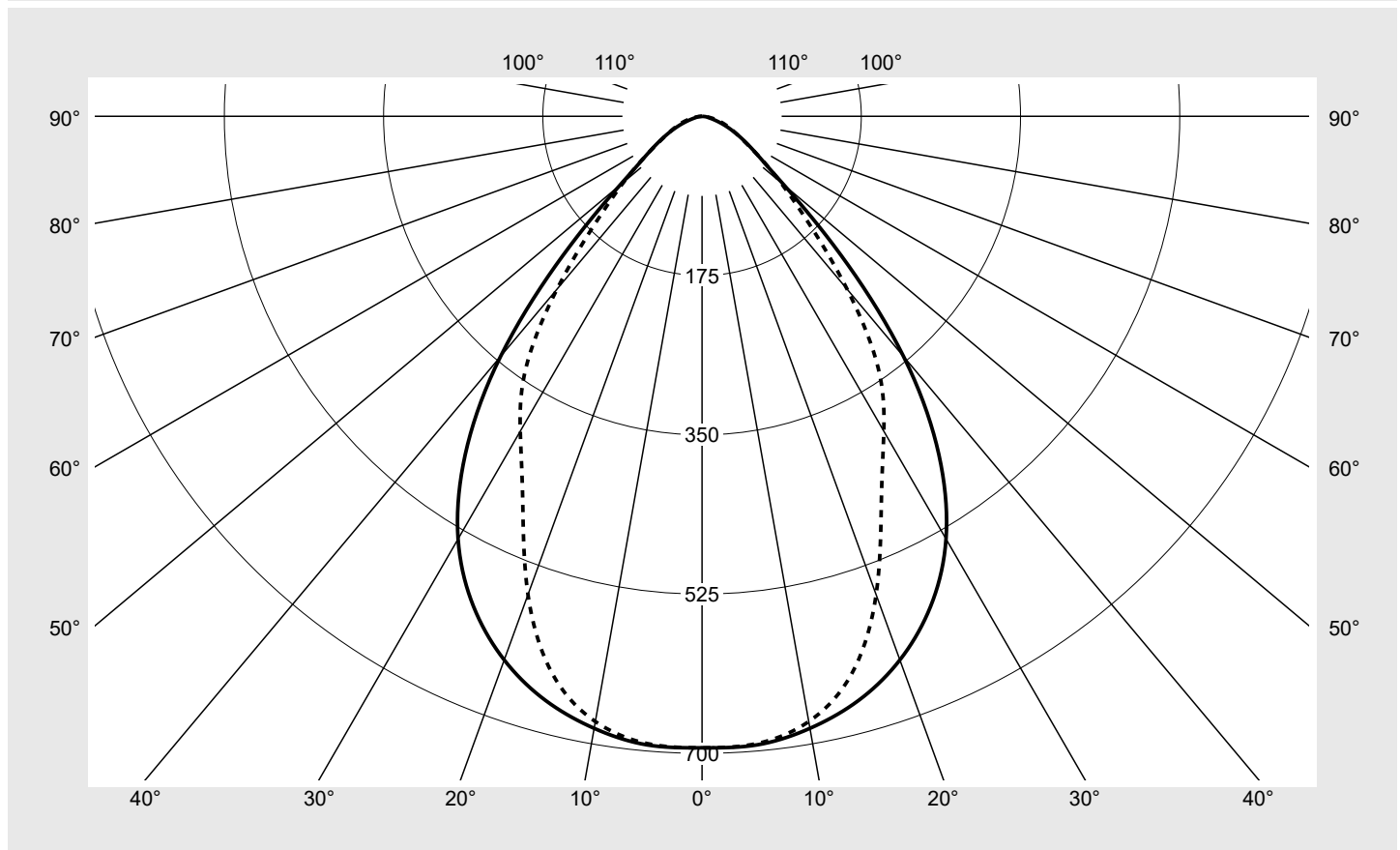
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 694 cd/klm



Klassifizierungen

DIN 5040

A 6 0

CIE

N1=75 N2=94 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	
γ									
0°	694.0	694.0	694.0	694.0	694.0	694.0	694.0	4.2	4.2
5°	693.3	691.2	687.0	689.0	691.7	691.4	691.9	33.0	37.1
10°	682.9	681.6	676.2	676.6	677.1	675.1	675.3	64.5	101.6
15°	664.5	663.4	655.7	650.8	644.2	637.0	634.6	92.2	193.9
20°	635.7	634.6	621.8	603.7	582.0	564.8	559.4	112.6	306.5
25°	594.3	592.8	570.2	532.2	493.8	471.5	466.3	123.2	429.7
30°	536.3	532.4	496.5	443.5	408.6	399.3	399.5	125.5	555.2
35°	453.8	445.6	398.8	354.7	341.6	338.2	337.4	119.2	674.4
40°	344.5	330.9	285.8	265.8	259.9	251.4	248.0	99.2	773.7
45°	216.1	203.7	174.1	171.5	169.1	165.7	165.2	69.4	843.1
50°	117.9	113.3	108.5	113.4	112.2	111.3	112.1	47.2	890.2
55°	75.1	72.3	72.7	81.4	80.0	76.7	75.3	34.3	924.5
60°	52.8	51.4	52.2	58.3	58.9	53.9	51.6	25.9	950.4
65°	36.0	35.7	38.4	42.9	44.1	39.6	37.5	19.7	970.1
70°	22.2	22.5	25.4	30.3	32.0	29.3	27.4	14.1	984.2
75°	11.8	12.0	13.9	18.9	21.4	20.1	18.3	8.9	993.1
80°	6.2	6.2	6.9	9.4	11.9	11.6	10.1	4.9	998.0
85°	3.0	2.9	3.0	3.8	4.5	4.6	3.6	2.0	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	22,9	24,3	23,2	24,6	24,9	22,2	23,6	22,6	24,0	24,3
	3H	23,2	24,4	23,6	24,7	25,1	22,8	24,0	23,2	24,4	24,7
	4H	23,2	24,4	23,6	24,7	25,1	23,0	24,2	23,4	24,5	24,9
	6H	23,2	24,3	23,7	24,6	25,0	23,2	24,2	23,6	24,6	25,0
	8H	23,3	24,2	23,7	24,6	25,0	23,3	24,2	23,7	24,6	25,0
	12H	23,3	24,1	23,7	24,5	25,0	23,3	24,2	23,7	24,6	25,0
4H	2H	23,1	24,2	23,5	24,6	24,9	22,5	23,7	22,9	24,0	24,4
	3H	23,5	24,4	23,9	24,8	25,2	23,3	24,2	23,7	24,6	25,0
	4H	23,6	24,4	24,0	24,8	25,2	23,6	24,5	24,0	24,9	25,3
	6H	23,6	24,3	24,1	24,7	25,2	23,9	24,6	24,3	25,0	25,5
	8H	23,6	24,3	24,1	24,7	25,2	23,9	24,6	24,4	25,0	25,5
	12H	23,6	24,2	24,1	24,6	25,1	24,0	24,6	24,5	25,0	25,5
8H	4H	23,6	24,3	24,1	24,7	25,2	23,7	24,4	24,2	24,8	25,3
	6H	23,7	24,2	24,2	24,7	25,2	24,0	24,6	24,5	25,1	25,6
	8H	23,7	24,2	24,2	24,7	25,2	24,2	24,6	24,7	25,1	25,6
	12H	23,8	24,1	24,3	24,6	25,2	24,3	24,6	24,8	25,1	25,7
12H	4H	23,7	24,2	24,2	24,7	25,2	23,7	24,3	24,2	24,7	25,2
	6H	23,7	24,2	24,2	24,7	25,2	24,1	24,5	24,6	25,0	25,5
	8H	23,8	24,1	24,3	24,6	25,2	24,2	24,6	24,7	25,1	25,6

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°		52646.0	49627.7	42402.1	41774.5	41186.7	40366.2	40256.6	
50°		31601.6	30361.4	29082.5	30395.1	30081.6	29825.7	30047.6	
55°		22564.2	21704.3	21839.5	24446.6	24035.5	23045.6	22607.7	
60°		18203.8	17699.4	17974.0	20088.7	20296.4	18585.9	17760.8	
65°		14676.6	14541.2	15666.6	17476.0	17977.3	16129.3	15301.8	
70°		11190.7	11339.8	12774.7	15255.2	16139.7	14766.2	13788.6	
75°		7831.7	7980.1	9260.7	12589.8	14215.1	13403.8	12170.5	
80°		6109.8	6145.5	6826.0	9304.1	11793.0	11532.1	10015.3	
85°		5965.0	5804.9	6000.6	7520.5	8923.8	9155.0	7176.6	

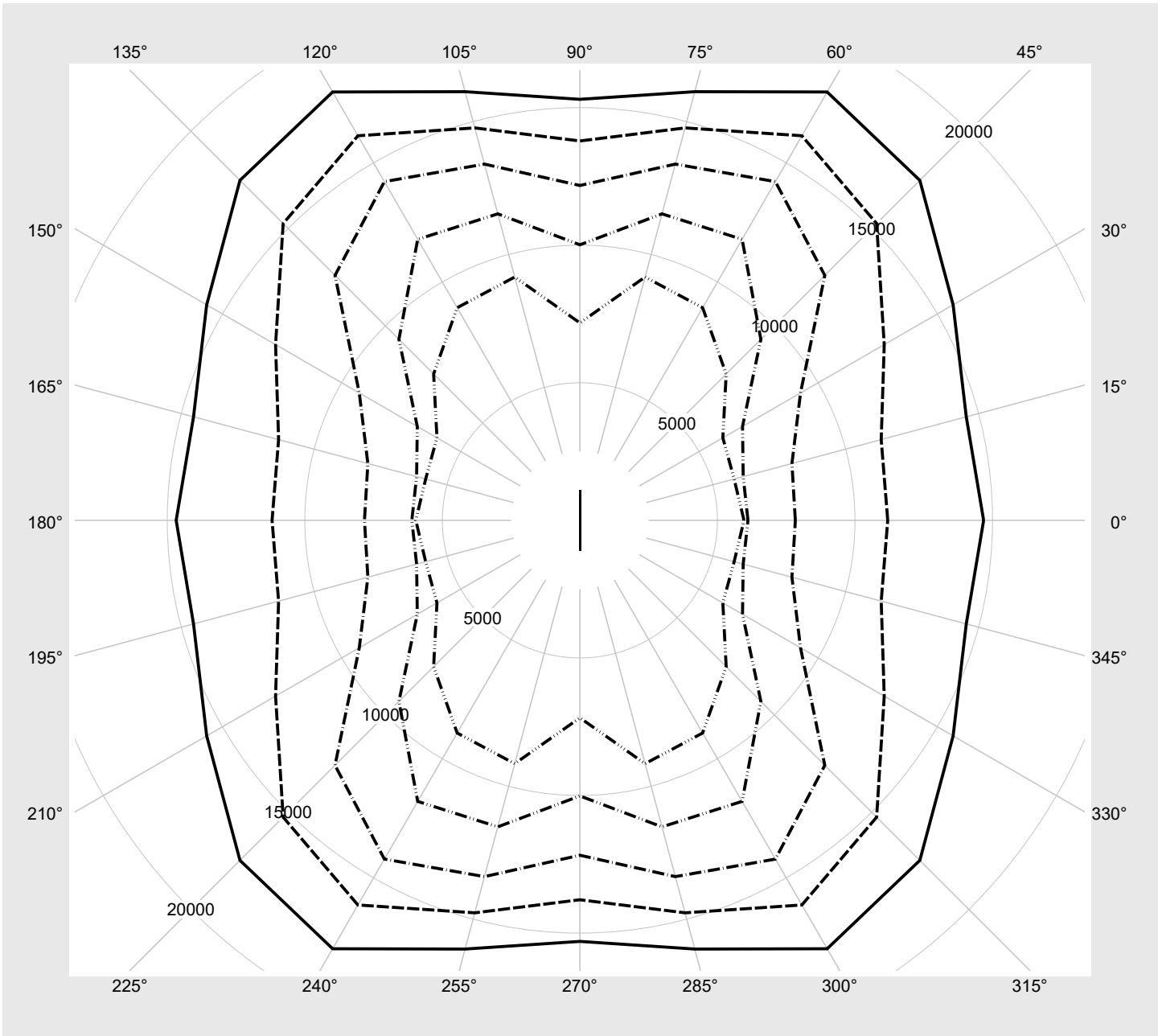
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Leuchtdichten in cd/m²

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	22480	125.6
95	240	252	21351	118.9
90	226	250	20213	112.2
85	213	248	19139	106.0
80	199	245	17972	99.1
75	186	243	16872	92.8
70	173	240	15761	86.4
65	160	237	14638	80.1
60	147	234	13504	73.8
55	134	231	12361	67.4
50	121	227	11201	61.2
45	109	223	10124	55.4
40	96	218	8949	49.1
35	84	213	7848	43.3
30	72	208	6744	37.6
25	60	201	5633	31.8
20	48	193	4509	26.0
15	36	182	3382	20.2
10	24	168	2248	14.0
5	12	142	1101	7.6
1	4	102	337	2.8