

Lichttechnischer Prüfbefund

Familie

Licross® 21 Recessed

Bestell-Nr.: 52TL12DV4L2MD

EAN: 4058352891063

LP-Nummer

59446_41



Ausführung

Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung

LED 4000 K | CRI ≥ 80

Betriebsgerät

EVG-DALI

Einstellung

AC-Betrieb

Bemessungswerte

Nettolichtstrom = 22710 lm

Systemleistung = 125.6 W

Lichtausbeute = 180.8 lm/W

Seriendokumentation

10.08.2023

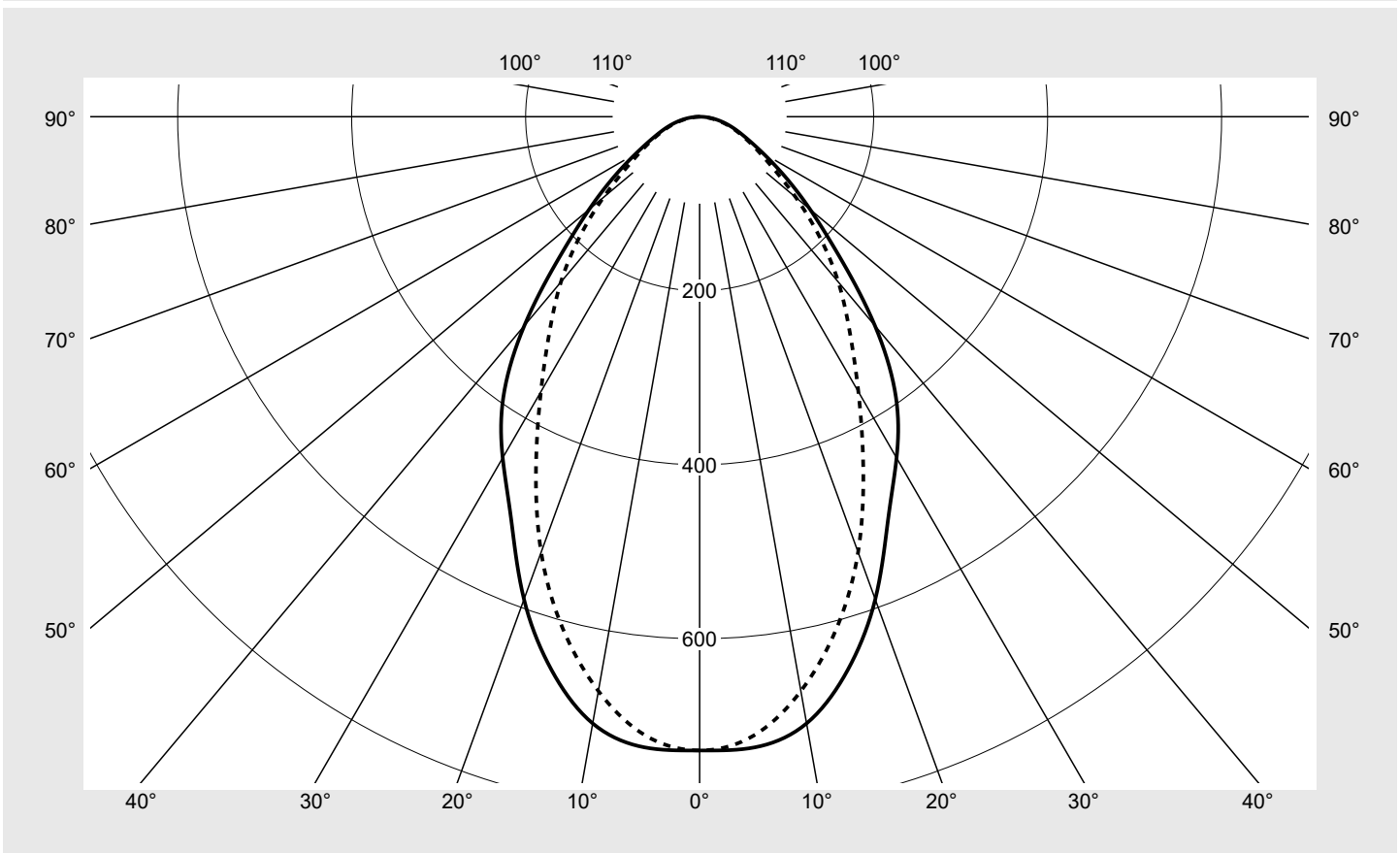
SITECO

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

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°	728.4	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									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	23,8	25,2	24,1	25,5	25,8	23,4	24,8	23,7	25,1	25,5
	3H	24,4	25,7	24,8	26,1	26,4	24,2	25,5	24,6	25,8	26,2
	4H	24,8	26,0	25,2	26,3	26,7	24,5	25,7	24,9	26,1	26,5
	6H	25,1	26,2	25,5	26,6	27,0	24,8	25,9	25,2	26,3	26,7
	8H	25,3	26,3	25,7	26,7	27,1	25,0	26,0	25,4	26,3	26,7
	12H	25,4	26,3	25,9	26,7	27,1	25,0	25,9	25,4	26,3	26,7
4H	2H	24,0	25,2	24,4	25,6	26,0	23,8	24,9	24,2	25,3	25,7
	3H	24,8	25,8	25,2	26,2	26,6	24,7	25,7	25,2	26,1	26,5
	4H	25,2	26,1	25,6	26,5	26,9	25,2	26,1	25,6	26,5	26,9
	6H	25,6	26,4	26,1	26,8	27,3	25,6	26,3	26,0	26,8	27,2
	8H	25,8	26,5	26,3	26,9	27,4	25,7	26,4	26,2	26,8	27,3
	12H	26,0	26,5	26,4	27,0	27,5	25,8	26,4	26,3	26,8	27,3
8H	4H	25,3	26,0	25,8	26,4	26,9	25,3	26,0	25,8	26,4	26,9
	6H	25,7	26,3	26,2	26,8	27,3	25,8	26,3	26,3	26,8	27,3
	8H	25,9	26,4	26,4	26,9	27,4	25,9	26,4	26,4	26,9	27,4
	12H	26,1	26,6	26,7	27,1	27,6	26,0	26,4	26,6	27,0	27,5
12H	4H	25,3	25,9	25,8	26,4	26,9	25,3	25,9	25,8	26,4	26,9
	6H	25,8	26,2	26,3	26,7	27,3	25,8	26,3	26,3	26,7	27,3
	8H	26,0	26,4	26,5	26,9	27,4	26,0	26,4	26,5	26,9	27,4

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

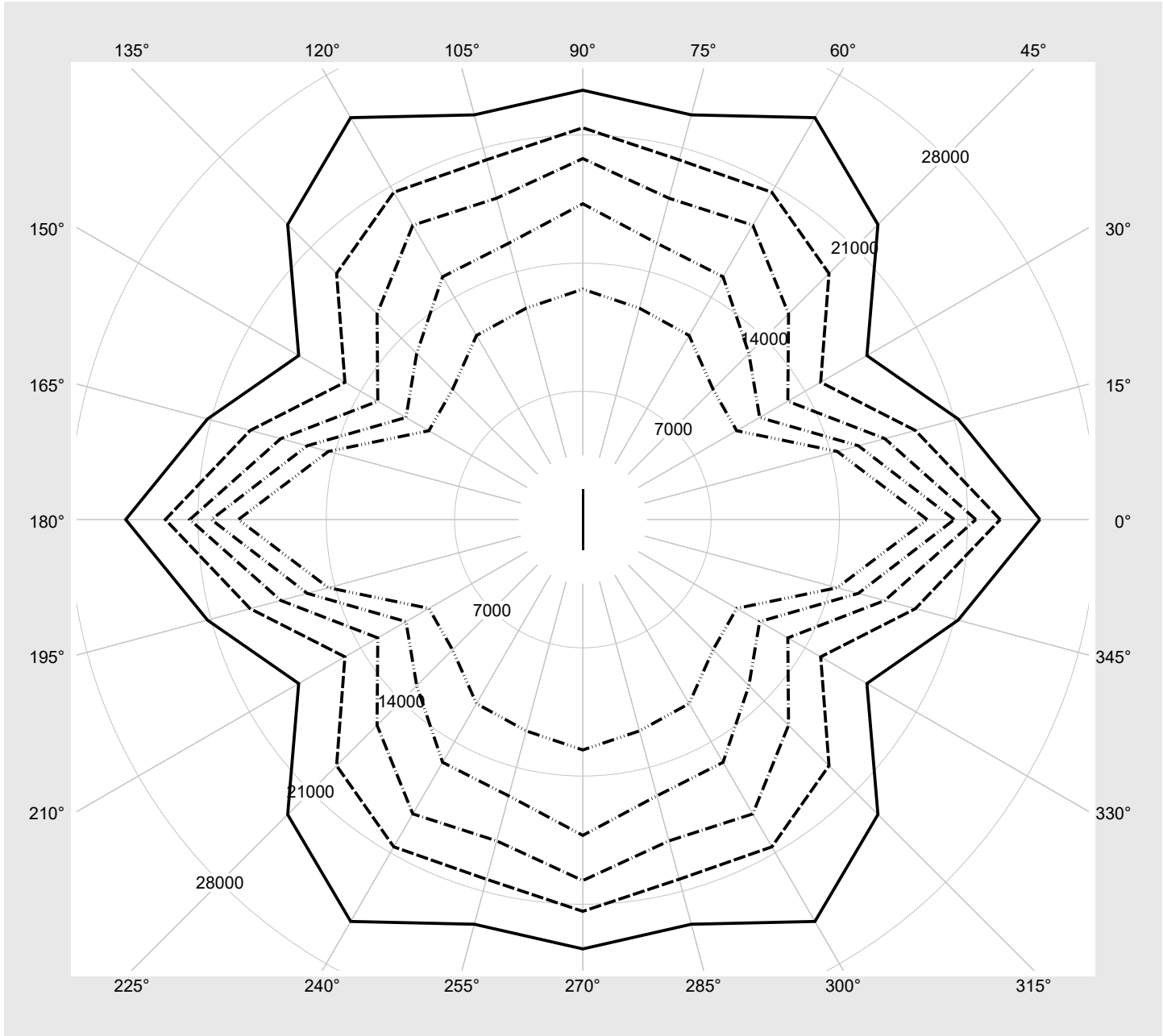
Lichttechnische Abmessungen in mm: L = 2250, B = 58

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°		55927.0	53574.5	51313.5	47111.8	43367.5	46059.4	47958.1
50°		44896.8	40958.2	38794.0	40001.7	37615.2	38546.2	39108.3
55°		36325.5	31930.4	28433.4	33044.5	33204.4	31610.9	31314.8
60°		29355.2	25397.3	21919.2	27316.7	29155.5	26243.7	26497.1
65°		24944.0	21205.5	17901.4	22774.8	25333.1	22870.7	23438.1
70°		22778.4	18790.3	14989.0	19000.0	20630.2	20327.4	21386.3
75°		21446.0	17062.8	12918.3	15877.4	18552.8	18160.8	19706.6
80°		20270.7	15566.5	11142.0	12818.6	15303.0	15616.6	17240.1
85°		18794.8	14372.2	9697.9	10053.3	11602.8	11944.2	12577.1

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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		sITeco
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	22710	125.6
95	240	252	21570	118.9
90	226	250	20420	112.2
85	213	248	19335	106.0
80	199	245	18156	99.1
75	186	243	17045	92.8
70	173	240	15923	86.4
65	160	237	14788	80.1
60	147	234	13642	73.8
55	134	231	12488	67.4
50	121	227	11315	61.2
45	109	223	10228	55.4
40	96	218	9040	49.1
35	84	213	7929	43.3
30	72	208	6813	37.6
25	60	201	5691	31.8
20	48	193	4555	26.0
15	36	182	3416	20.2
10	24	168	2271	14.0
5	12	142	1113	7.6
1	4	102	340	2.8