

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL12DV4L2M3S
EAN: 4058352908280

LP-Nummer
59446_56



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Einstellung AC-Betrieb

Bemessungswerte Nettolichtstrom = 22710 lm
Systemleistung = 129.4 W
Lichtausbeute = 175.5 lm/W

Seriendokumentation
17.08.2023

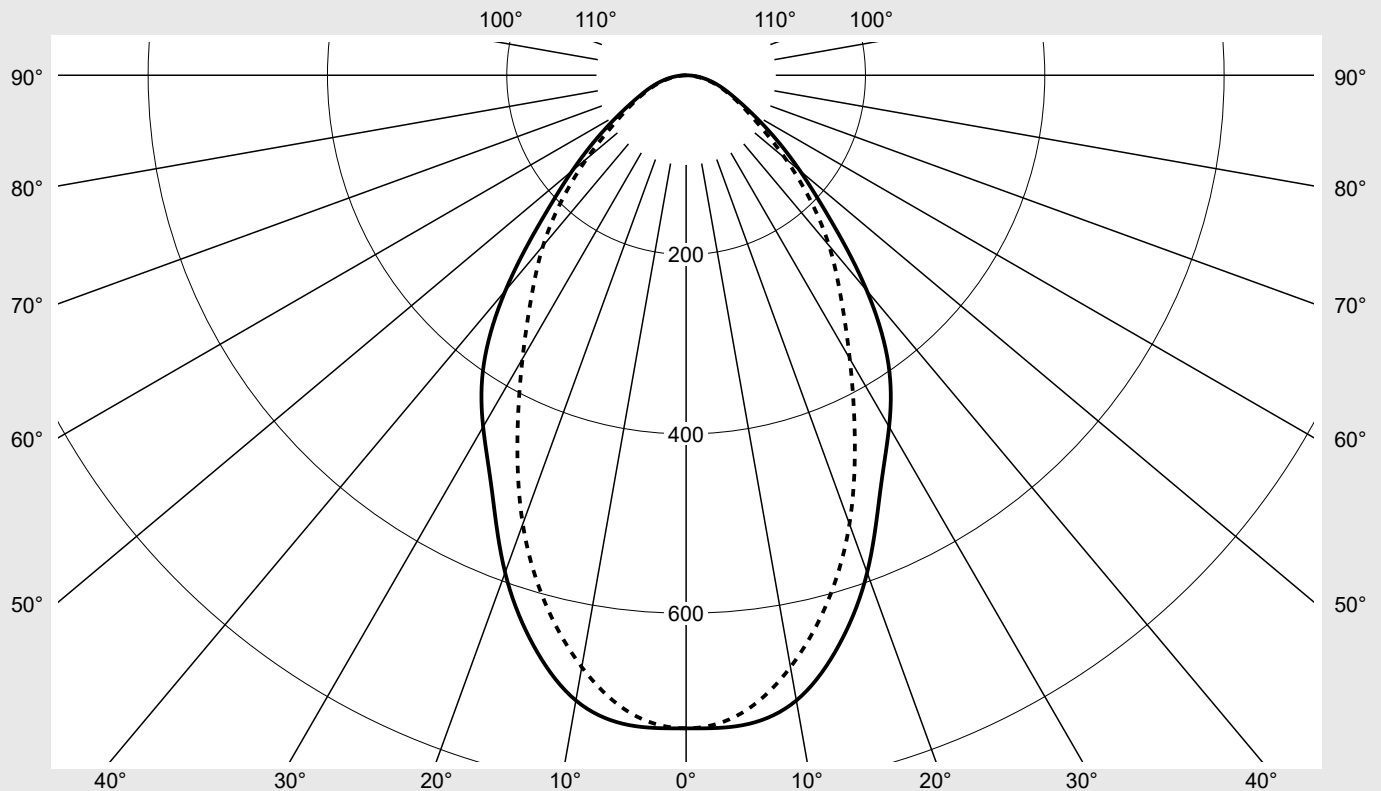
sITeco

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 $\gamma \geq 65^\circ$

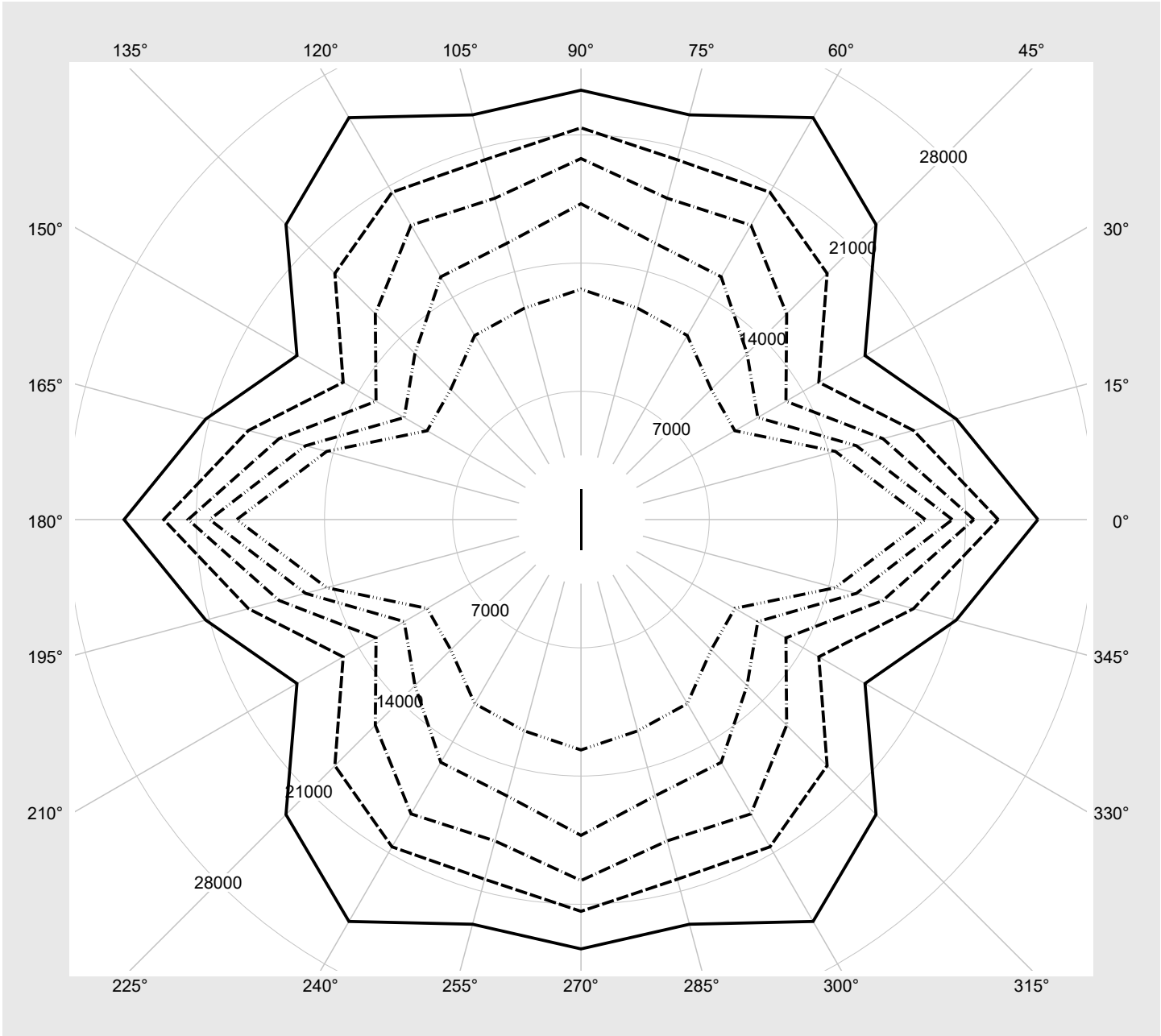
Lichttechnische Abmessungen in mm: L = 2250, B = 58

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	Umgebungstemperatur: 25°C	sITeco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	22710	129.4
95	240	252	21570	122.7
90	226	250	20420	116.0
85	213	248	19335	109.8
80	199	245	18156	102.9
75	186	243	17045	96.6
70	173	240	15923	90.2
65	160	237	14788	83.9
60	147	234	13642	77.6
55	134	231	12488	71.2
50	121	227	11315	65.0
45	109	223	10228	59.2
40	96	218	9040	52.9
35	84	213	7929	47.1
30	72	208	6813	41.4
25	60	201	5691	35.6
20	48	193	4555	29.8
15	36	182	3416	24.0
10	24	168	2271	17.8
5	12	142	1113	11.4
1	4	102	340	6.6