

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL18DN4E5M
EAN: 4058352891391

LP-Nummer
59104_149



Ausführung Abdeckung satiniert, medium strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 14850 lm
Systemleistung = 84.6 W
Lichtausbeute = 175.5 lm/W

Seriendokumentation
03.08.2023

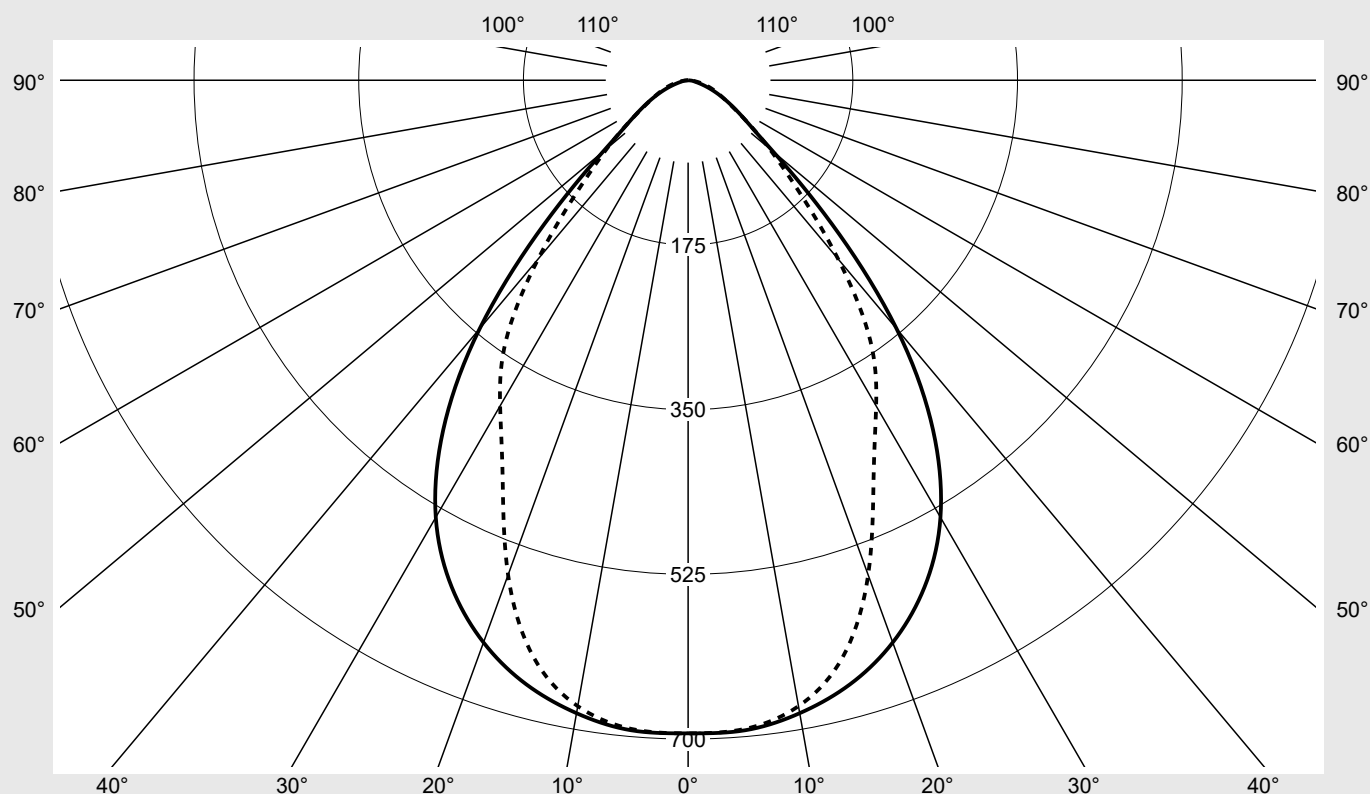
sITeco

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	23,9	24,2
	3H	23,1	24,4	23,5	24,7	25,1	22,8	24,0	23,1	24,3	24,7
	4H	23,2	24,3	23,6	24,7	25,1	23,0	24,1	23,4	24,5	24,9
	6H	23,2	24,2	23,6	24,6	25,0	23,1	24,2	23,6	24,6	25,0
	8H	23,3	24,2	23,7	24,6	25,0	23,2	24,2	23,7	24,6	25,0
	12H	23,3	24,1	23,7	24,5	24,9	23,3	24,1	23,7	24,5	24,9
4H	2H	23,0	24,2	23,4	24,5	24,9	22,5	23,6	22,9	24,0	24,4
	3H	23,4	24,4	23,9	24,8	25,2	23,2	24,2	23,7	24,6	25,0
	4H	23,5	24,4	24,0	24,8	25,2	23,6	24,4	24,0	24,8	25,3
	6H	23,6	24,3	24,0	24,7	25,2	23,8	24,6	24,3	25,0	25,5
	8H	23,6	24,2	24,0	24,7	25,1	23,9	24,6	24,4	25,0	25,5
	12H	23,6	24,2	24,1	24,6	25,1	24,0	24,5	24,5	25,0	25,5
8H	4H	23,6	24,3	24,1	24,7	25,2	23,7	24,3	24,1	24,8	25,2
	6H	23,7	24,2	24,2	24,7	25,2	24,0	24,5	24,5	25,0	25,5
	8H	23,7	24,2	24,2	24,6	25,2	24,1	24,6	24,6	25,1	25,6
	12H	23,7	24,1	24,2	24,6	25,2	24,2	24,6	24,7	25,1	25,7
12H	4H	23,6	24,2	24,1	24,7	25,1	23,7	24,2	24,2	24,7	25,2
	6H	23,7	24,1	24,2	24,6	25,2	24,0	24,5	24,5	25,0	25,5
	8H	23,7	24,1	24,2	24,6	25,2	24,2	24,5	24,7	25,0	25,6

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

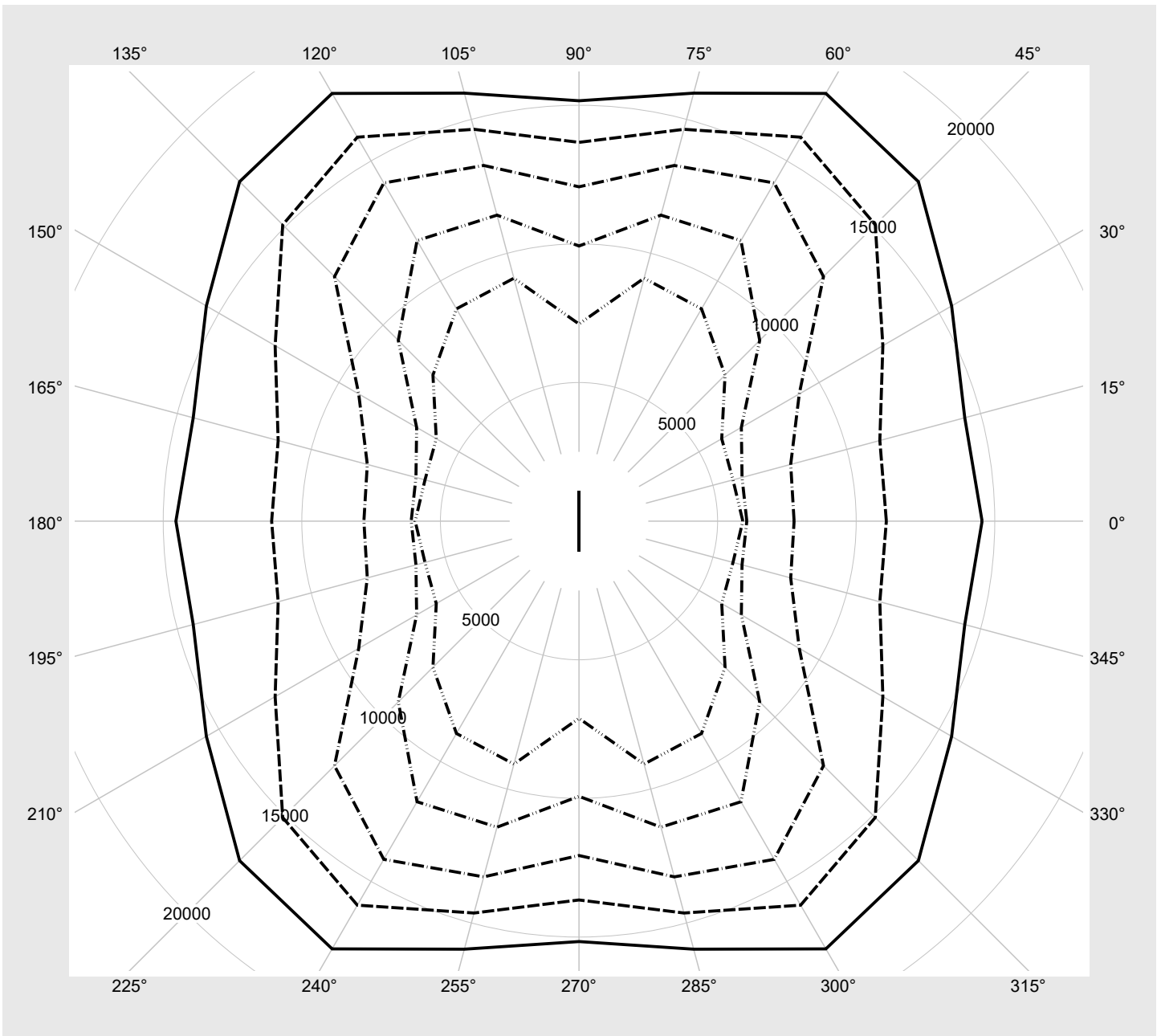
Lichttechnische Abmessungen in mm: L = 1500, B = 58

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°		52165.9	49175.1	42015.4	41393.6	40811.1	39998.1	39889.5
50°		31313.4	30084.5	28817.3	30118.0	29807.3	29553.7	29773.5
55°		22358.4	21506.4	21640.3	24223.7	23816.3	22835.4	22401.6
60°		18037.8	17538.0	17810.1	19905.5	20111.3	18416.4	17598.8
65°		14542.7	14408.6	15523.8	17316.6	17813.4	15982.2	15162.3
70°		11088.7	11236.4	12658.2	15116.1	15992.5	14631.5	13662.9
75°		7760.3	7907.3	9176.2	12475.0	14085.5	13281.6	12059.5
80°		6054.1	6089.5	6763.8	9219.2	11685.5	11426.9	9924.0
85°		5910.6	5752.0	5945.8	7451.9	8842.4	9071.5	7111.1

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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	14850	84.6
95	240	252	14104	80.0
90	226	250	13348	75.2
85	213	248	12642	71.0
80	199	245	11870	66.3
75	186	243	11140	62.0
70	173	240	10407	57.8
65	160	237	9663	53.6
60	147	234	8916	49.3
55	134	231	8161	45.1
50	122	227	7453	41.2
45	109	223	6683	37.1
40	97	219	5967	33.2
35	84	213	5180	29.1
30	72	208	4452	25.4
25	60	201	3718	21.6
20	48	193	2976	17.8
15	36	182	2232	14.0
10	24	168	1483	10.2
5	12	142	726	6.5
1	4	102	222	4.1