

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL12DE45XG
EAN: 4058352890783

LP-Nummer
59101_273



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 5140 lm
Systemleistung = 29.9 W
Lichtausbeute = 171.9 lm/W

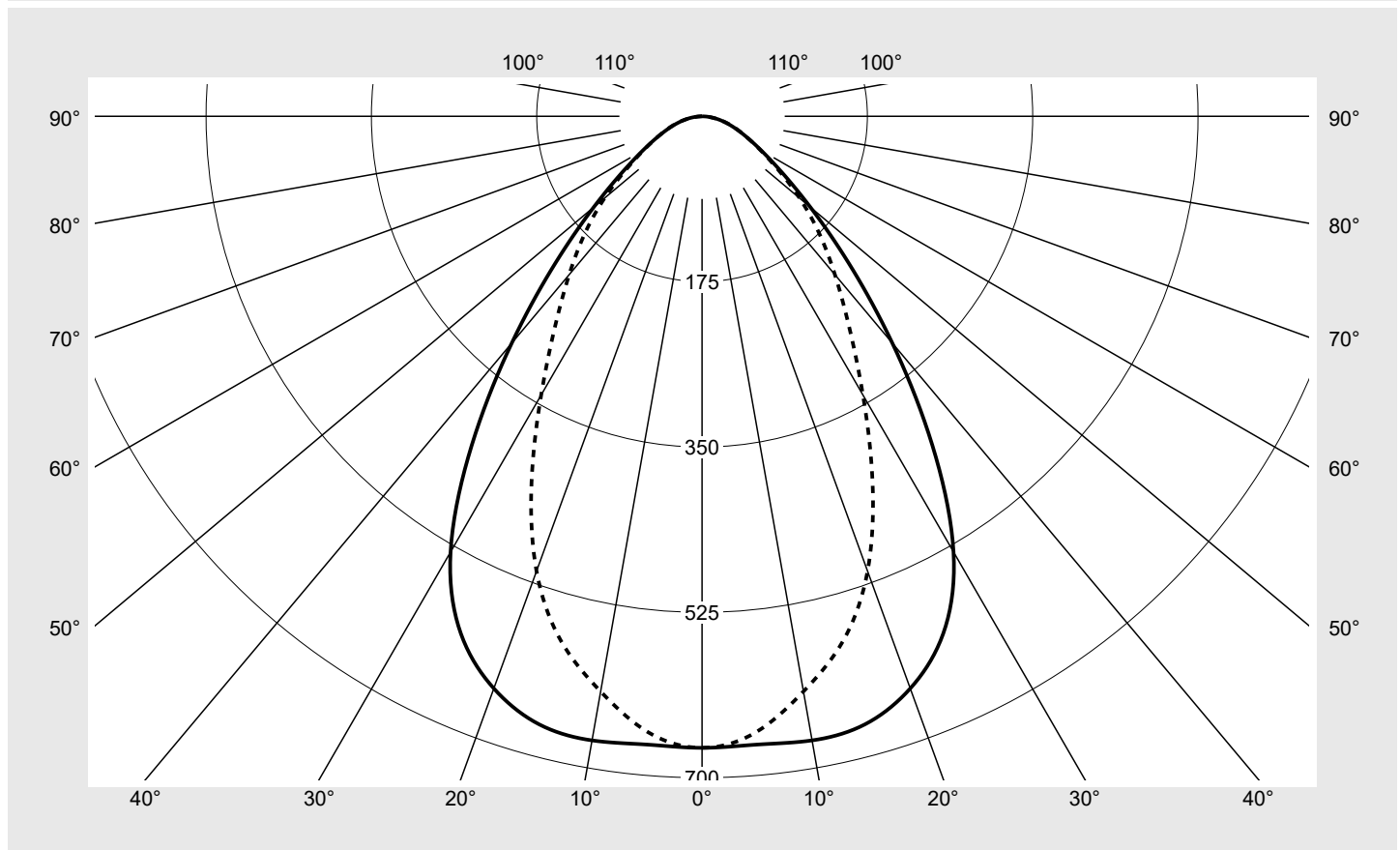
Seriendokumentation
02.08.2023

sitEco

Lichtstärke in cd/klm

C180-0 **C270-90**

Imax: 671 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=72 N2=92 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°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
0°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	4.0	4.0
5°	667.5	664.4	657.4	655.8	655.7	654.2	654.4	31.4	35.4
10°	670.7	665.0	649.1	636.1	625.3	618.7	618.1	60.9	96.3
15°	666.2	657.2	632.9	612.0	594.0	578.5	575.5	87.4	183.7
20°	644.4	632.9	606.9	585.4	554.6	522.7	512.3	108.8	292.5
25°	604.1	590.6	566.7	541.2	494.5	444.9	427.0	121.8	414.2
30°	532.4	517.7	496.3	466.1	413.9	359.9	340.6	122.9	537.1
35°	425.0	409.7	387.0	361.9	325.4	286.0	271.1	111.0	648.1
40°	313.4	295.8	270.7	255.1	246.8	229.4	218.8	91.8	739.9
45°	219.2	200.3	175.7	171.1	181.8	184.7	175.5	71.8	811.7
50°	149.7	132.6	112.6	116.3	133.0	145.6	134.9	54.8	866.5
55°	102.7	89.1	74.7	81.5	98.1	107.9	98.1	41.3	907.7
60°	72.4	62.1	51.3	58.3	71.8	76.5	71.0	31.0	938.7
65°	52.1	44.3	35.9	41.6	51.4	54.2	52.1	23.1	961.9
70°	37.6	31.7	24.7	29.1	35.6	38.4	38.3	16.9	978.8
75°	26.0	21.3	16.2	19.0	22.9	25.9	26.8	11.6	990.4
80°	16.1	12.5	9.2	10.4	12.6	14.8	15.7	6.8	997.3
85°	7.0	5.4	3.8	4.1	4.8	5.7	5.8	2.7	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	21,8	23,3	22,2	23,6	23,9	21,8	23,2	22,1	23,5	23,8
	3H	22,4	23,7	22,8	24,0	24,4	22,6	23,8	22,9	24,2	24,5
	4H	22,7	23,9	23,1	24,2	24,6	22,9	24,1	23,3	24,4	24,8
	6H	23,0	24,0	23,4	24,4	24,8	23,2	24,2	23,6	24,6	25,0
	8H	23,1	24,1	23,6	24,5	24,9	23,3	24,3	23,7	24,7	25,1
	12H	23,2	24,1	23,6	24,5	24,9	23,3	24,2	23,8	24,6	25,1
4H	2H	22,0	23,2	22,4	23,5	23,9	22,0	23,2	22,4	23,5	23,9
	3H	22,7	23,7	23,1	24,0	24,5	22,9	23,9	23,4	24,3	24,7
	4H	23,0	23,9	23,5	24,3	24,7	23,4	24,3	23,8	24,7	25,1
	6H	23,3	24,1	23,8	24,5	25,0	23,7	24,5	24,2	24,9	25,4
	8H	23,5	24,2	24,0	24,6	25,1	23,9	24,5	24,3	25,0	25,5
	12H	23,6	24,2	24,1	24,6	25,1	24,0	24,5	24,4	25,0	25,5
8H	4H	23,1	23,8	23,6	24,2	24,7	23,4	24,1	23,9	24,6	25,0
	6H	23,5	24,0	23,9	24,5	25,0	23,9	24,4	24,4	24,9	25,4
	8H	23,6	24,1	24,1	24,6	25,1	24,0	24,5	24,5	25,0	25,5
	12H	23,8	24,2	24,3	24,7	25,2	24,2	24,6	24,7	25,1	25,6
12H	4H	23,1	23,7	23,6	24,2	24,7	23,5	24,0	23,9	24,5	25,0
	6H	23,5	23,9	24,0	24,4	25,0	23,9	24,3	24,4	24,8	25,4
	8H	23,6	24,0	24,2	24,5	25,1	24,1	24,5	24,6	25,0	25,5

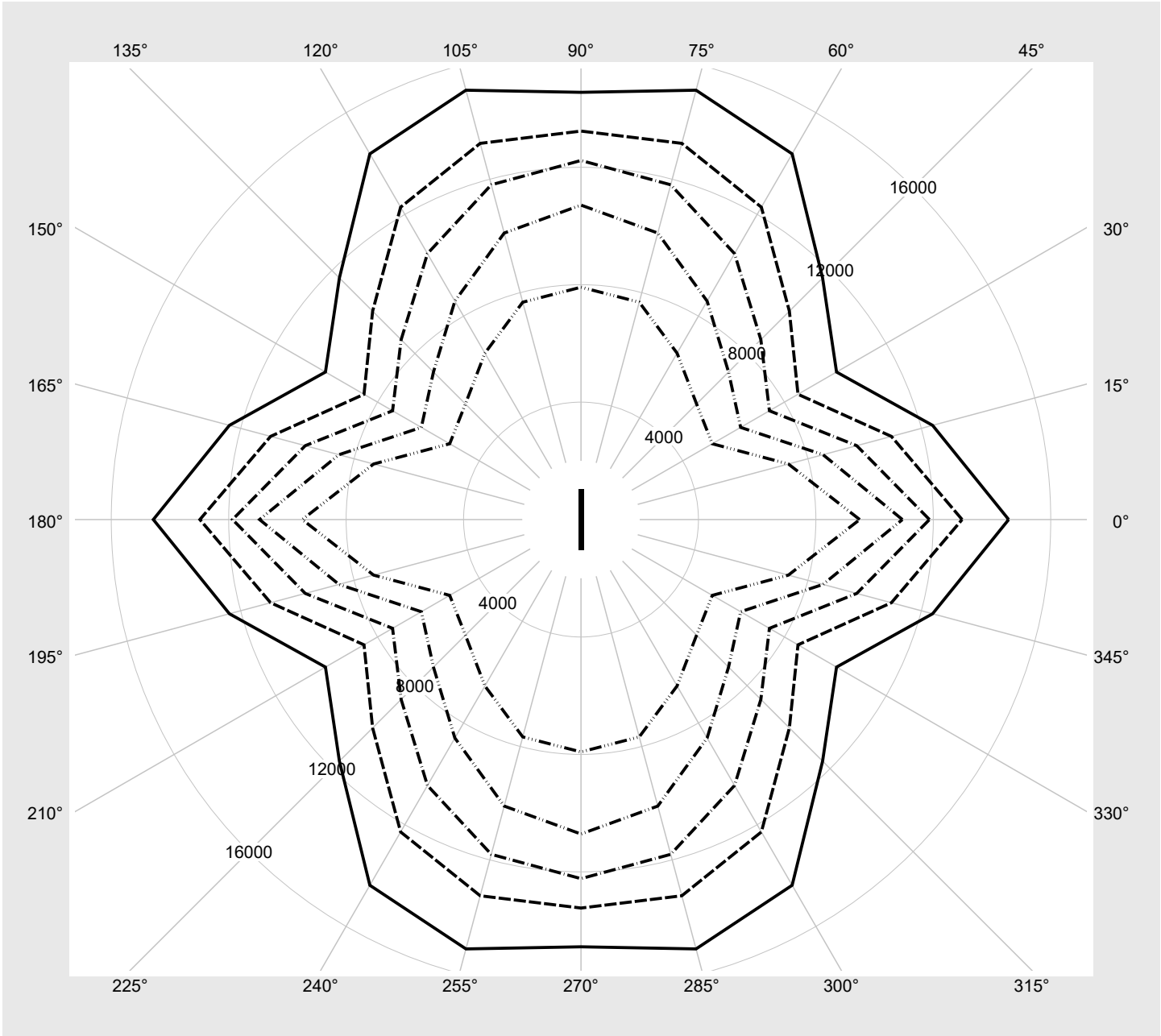
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 750 B = 58
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C-Ebenen	γ	Leuchtdichte in cd/m^2						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		36632.7	33479.1	29355.8	28597.5	30379.5	30864.3	29331.1
50°		27516.0	24370.3	20700.8	21380.0	24447.9	26768.3	24789.8
55°		21149.9	18360.6	15392.5	16794.3	20205.0	22238.1	20199.8
60°		17105.4	14683.4	12125.2	13788.0	16960.1	18081.2	16773.9
65°		14567.3	12398.5	10050.8	11637.8	14384.2	15141.3	14553.4
70°		12981.4	10945.8	8534.7	10037.6	12287.3	13266.8	13233.2
75°		11869.6	9722.9	7411.0	8664.2	10459.8	11806.1	12231.6
80°		10947.9	8535.0	6279.3	7107.4	8592.2	10104.2	10711.8
85°		9494.3	7312.9	5164.0	5568.0	6545.5	7665.4	7914.8

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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

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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	5140	29.9
95	240	252	4881	28.3
90	226	250	4619	26.7
85	213	248	4372	25.2
80	199	245	4105	23.6
75	186	243	3853	22.1
70	173	240	3599	20.6
65	160	237	3343	19.1
60	147	234	3085	17.6
55	134	231	2823	16.0
50	122	227	2579	14.8
45	109	223	2313	13.4
40	97	219	2066	12.2
35	84	213	1795	10.8
30	72	208	1542	9.4
25	60	201	1288	8.0
20	48	193	1033	6.6
17	40	186	861	5.6