

Lichttechnischer Prüfbefund

Familie
Licross® 21 Protected

Bestell-Nr.: 52TD12DN4C5L3C
EAN: 4058352508220

LP-Nummer
58523_55



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Einstellung AC-Betrieb
Bemessungswerte Nettolichtstrom = 12810 lm
 Systemleistung = 83.0 W
 Lichtausbeute = 154.3 lm/W

Seriendokumentation
12.07.2021

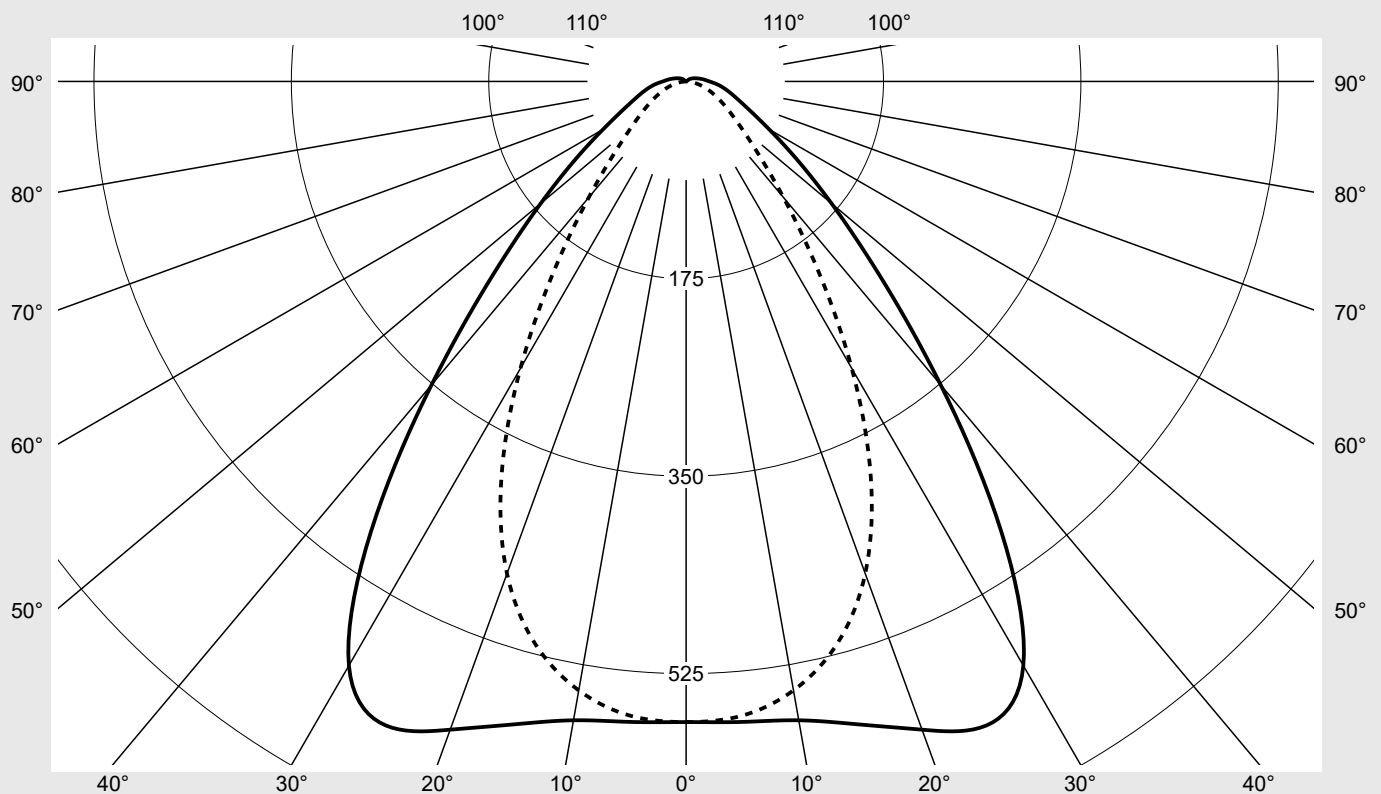
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 630 cd/klm



Klassifizierungen

DIN 5040 A 5 1
 CIE N1=70 N2=91 N3=97
 N4=98 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 98,3%
 ϕ_o 1,7%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	sITeco
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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°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	3.4	3.4
5°	570.0	568.0	563.9	564.4	565.6	564.2	564.6	27.0	30.4
10°	575.1	572.9	563.4	557.9	553.3	549.0	548.2	53.3	83.7
15°	590.1	586.0	566.8	548.5	532.2	519.9	516.5	78.2	161.9
20°	611.6	603.6	568.7	531.0	496.5	471.9	464.3	100.3	262.2
25°	630.0	617.6	564.2	499.9	441.6	401.0	387.5	117.1	379.3
30°	598.0	589.4	536.5	452.4	368.0	311.9	293.8	123.5	502.8
35°	487.1	490.1	463.2	383.1	284.6	222.1	203.0	114.7	617.4
40°	351.1	360.8	359.1	297.2	205.7	150.3	134.3	94.9	712.3
45°	241.7	250.7	257.1	211.9	140.4	100.6	89.9	72.8	785.1
50°	168.3	174.0	178.9	144.5	94.4	69.8	63.7	54.4	839.5
55°	118.9	121.8	123.3	97.4	64.6	50.4	47.5	40.5	880.0
60°	85.1	85.8	84.4	66.1	45.7	37.4	36.1	30.1	910.0
65°	63.8	62.6	58.2	45.7	33.4	28.1	27.2	22.6	932.7
70°	50.4	47.7	40.8	32.1	24.8	20.7	19.9	17.3	949.9
75°	41.3	37.6	29.5	22.7	17.9	14.5	13.5	13.2	963.2
80°	34.0	30.0	21.9	15.9	12.4	9.4	8.0	10.0	973.1
85°	27.2	23.7	16.4	11.2	8.0	5.3	3.6	7.3	980.4
90°	20.7	17.9	12.0	7.4	4.6	2.2	0.4	5.0	985.4
95°	16.6	14.7	10.2	6.3	3.6	1.3	0.3	4.0	989.4
100°	13.2	11.9	8.5	5.2	2.7	0.8	0.3	3.2	992.6
105°	10.4	9.5	6.9	4.1	1.9	0.4	0.3	2.5	995.1
110°	8.2	7.4	5.5	3.1	1.2	0.3	0.3	1.9	997.0
115°	6.5	5.8	4.2	2.2	0.7	0.4	0.4	1.4	998.4
120°	4.9	4.3	3.0	1.4	0.6	0.5	0.5	1.0	999.4
125°	3.5	3.0	2.0	0.9	0.6	0.5	0.5	0.7	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	22,8	24,3	23,2	24,6	24,9	18,7	20,1	19,0	20,4	20,7
	3H	23,4	24,7	23,8	25,0	25,4	19,1	20,4	19,5	20,7	21,1
	4H	23,8	25,0	24,2	25,3	25,7	19,3	20,5	19,7	20,9	21,2
	6H	24,2	25,2	24,6	25,6	26,0	19,4	20,6	19,8	20,9	21,3
	8H	24,5	25,4	24,9	25,8	26,2	19,5	20,6	19,9	21,0	21,4
	12H	24,7	25,6	25,1	26,0	26,4	19,5	20,5	20,0	20,9	21,3
4H	2H	22,9	24,1	23,3	24,4	24,8	19,3	20,5	19,7	20,9	21,2
	3H	23,6	24,6	24,0	25,0	25,4	19,9	20,9	20,3	21,3	21,7
	4H	24,1	25,0	24,5	25,4	25,8	20,2	21,1	20,6	21,5	21,9
	6H	24,6	25,4	25,1	25,8	26,3	20,4	21,2	20,8	21,6	22,1
	8H	24,9	25,6	25,4	26,1	26,6	20,4	21,2	20,9	21,6	22,1
	12H	25,3	25,9	25,8	26,4	26,9	20,5	21,2	21,0	21,6	22,1
8H	4H	24,1	24,8	24,5	25,2	25,7	20,5	21,2	20,9	21,6	22,1
	6H	24,7	25,3	25,2	25,8	26,3	20,8	21,4	21,3	21,8	22,3
	8H	25,1	25,7	25,6	26,1	26,7	20,9	21,4	21,4	21,9	22,5
	12H	25,6	26,1	26,2	26,6	27,1	21,0	21,5	21,6	22,0	22,5
12H	4H	24,1	24,7	24,5	25,2	25,7	20,6	21,1	21,1	21,6	22,1
	6H	24,7	25,2	25,2	25,7	26,3	20,9	21,4	21,4	21,9	22,4
	8H	25,2	25,6	25,7	26,1	26,6	21,1	21,5	21,6	22,0	22,6

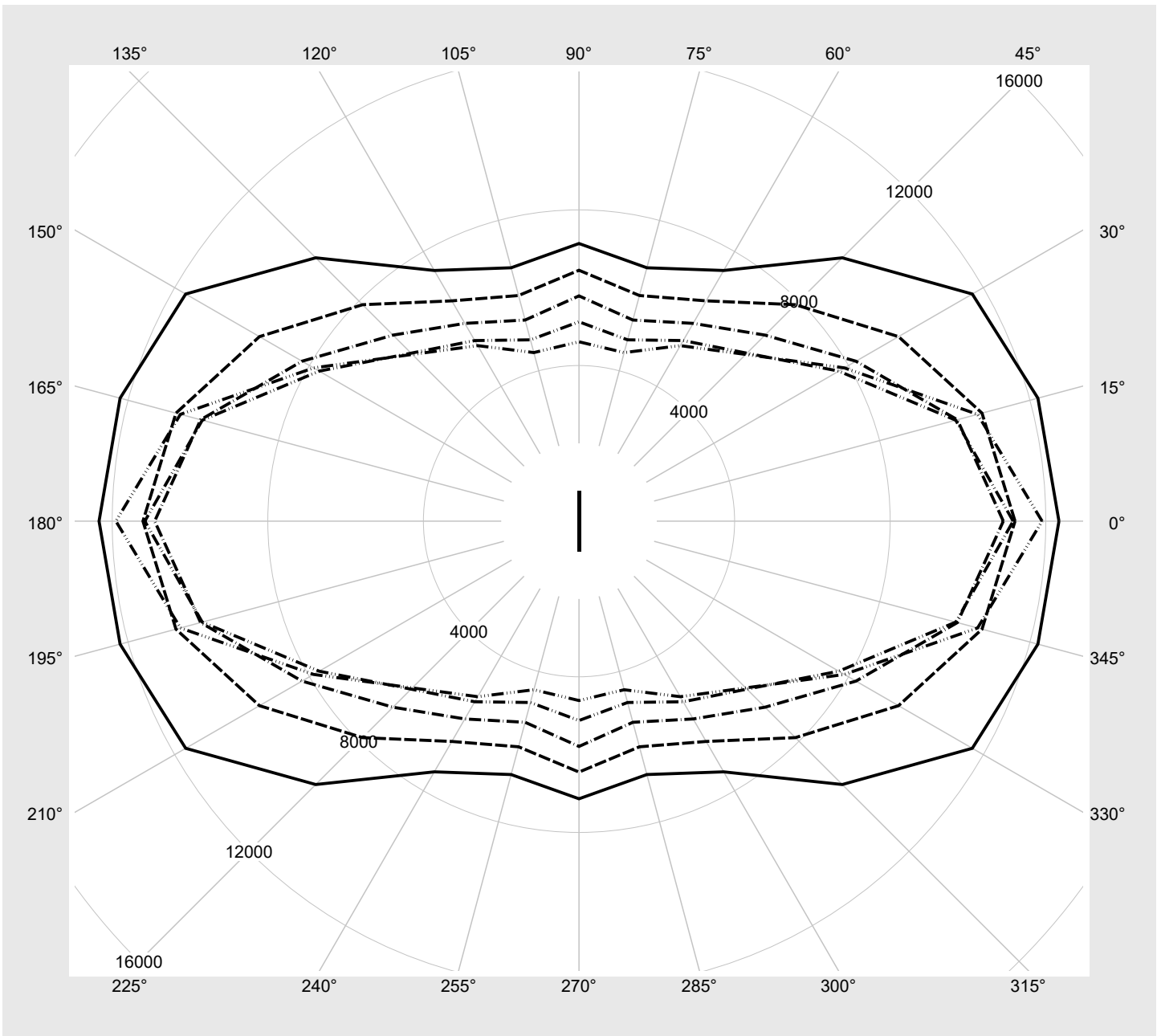
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480, B = 78	H(C0) = 13, H(C90) = 0	H(C180) = 13, H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		32512.9	33881.6	35262.9	29742.6	20336.8	15135.1	14113.4	
50°		24241.2	25205.9	26358.4	21873.1	14821.7	11452.8	10999.7	
55°		18576.9	19166.0	19784.4	16126.0	11166.4	9179.5	9194.2	
60°		14654.6	14897.4	14980.9	12186.8	8860.4	7719.1	8003.4	
65°		12338.3	12213.7	11675.3	9572.1	7439.3	6741.9	7135.3	
70°		11209.6	10726.4	9485.5	7867.8	6537.7	6003.5	6448.3	
75°		10908.3	10070.6	8221.4	6762.4	5869.6	5351.4	5789.7	
80°		11161.6	10026.7	7712.0	6105.5	5359.7	4824.7	5123.8	
85°		11905.4	10608.0	7878.1	6060.5	5208.9	4485.5	4610.3	

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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	12810	83.0
95	240	252	12170	78.3
90	226	250	11527	73.8
85	212	247	10872	69.4
80	199	245	10255	65.4
75	186	243	9631	61.3
70	172	240	8946	56.9
65	159	237	8302	52.9
60	147	234	7704	49.3
55	134	231	7053	45.2
50	121	227	6391	41.3
45	109	223	5775	37.7
40	96	218	5102	33.8
35	84	213	4477	30.3
30	72	208	3844	26.8
25	60	201	3205	23.3
20	48	193	2560	19.8
15	36	182	1912	16.2
10	24	168	1261	12.8
5	13	145	658	9.6
2	5	110	217	7.4