

Lichttechnischer Prüfbefund

Familie
Licross® Protected

Bestell-Nr.: 51TS12DN4DXLD
EAN: 4058352418635

LP-Nummer
58521_22



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Einstellung AC-Betrieb
Bemessungswerte Nettolichtstrom = 13360 lm
Systemleistung = 86.1 W
Lichtausbeute = 155.2 lm/W

Seriendokumentation
26.08.2020

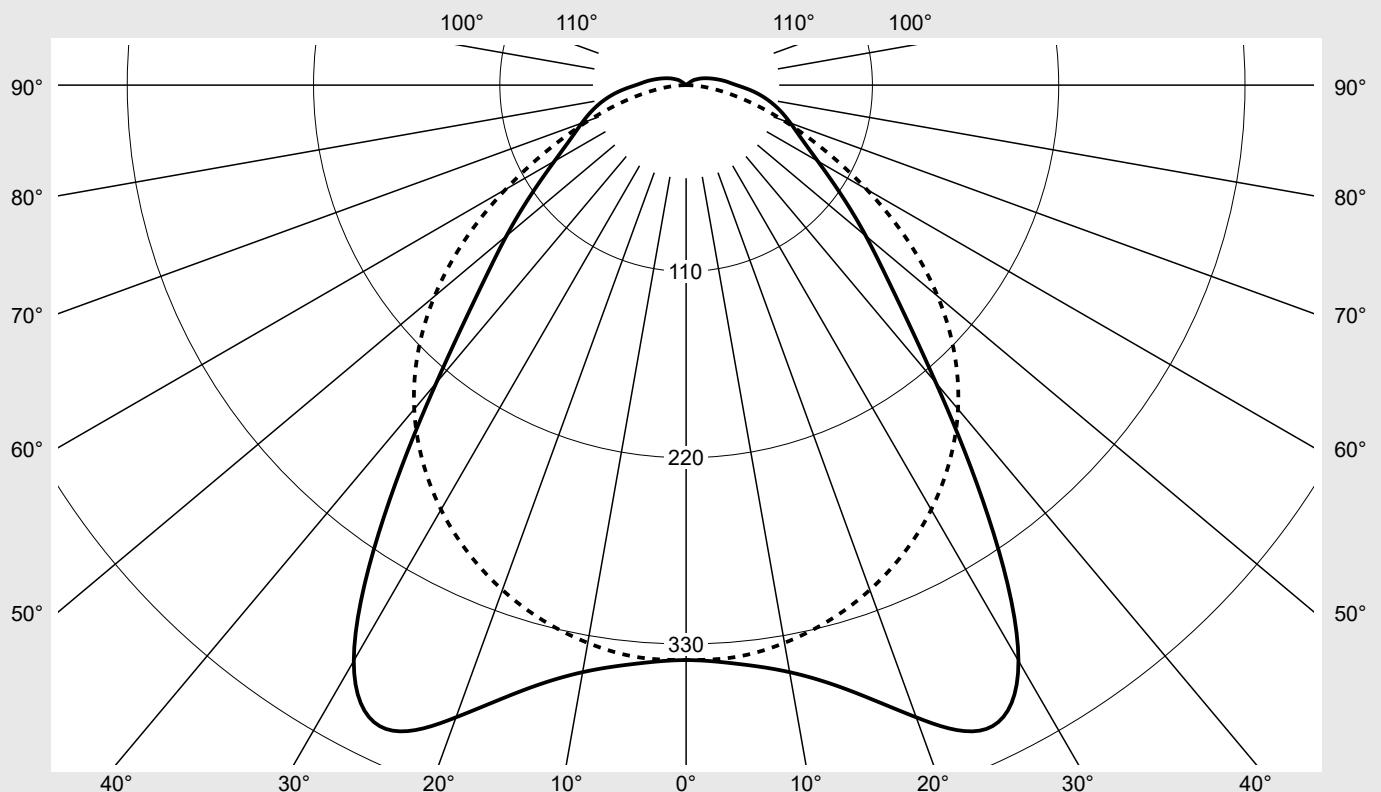
sITeco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 419 cd/klm



Klassifizierungen

DIN 5040 A 4 1
CIE N1=54 N2=82 N3=95
N4=97 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 96,8%
 ϕ_o 3,2%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
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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°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	2.0	2.0
5°	343.0	342.0	339.2	339.3	339.7	338.8	338.9	16.2	18.3
10°	352.0	350.9	345.1	341.6	338.4	335.1	334.4	32.6	50.9
15°	369.7	367.9	356.8	346.8	337.2	329.4	327.1	49.3	100.2
20°	397.2	393.9	374.9	354.6	335.9	321.8	317.2	66.8	167.0
25°	419.5	416.9	395.3	365.3	334.4	312.1	304.6	84.4	251.4
30°	392.5	397.1	392.3	370.7	332.1	300.1	289.4	97.4	348.9
35°	311.0	322.2	341.8	350.7	323.8	285.3	271.2	100.3	449.2
40°	229.5	240.6	267.7	298.9	299.5	266.8	249.8	94.7	543.9
45°	174.0	182.0	204.5	237.4	256.3	239.9	224.1	85.2	629.1
50°	138.5	144.4	161.2	187.1	207.0	203.8	193.9	74.9	704.0
55°	110.9	115.6	129.9	149.5	163.4	162.9	159.6	64.1	768.1
60°	89.8	92.9	103.5	120.2	127.5	124.1	123.1	53.4	821.5
65°	75.3	77.0	82.7	94.9	98.6	91.3	89.2	43.6	865.1
70°	65.6	65.8	66.8	73.1	74.5	64.6	61.3	35.1	900.1
75°	57.2	56.6	54.5	55.3	53.6	43.2	39.2	27.5	927.6
80°	48.6	47.5	44.1	40.6	36.2	26.8	21.9	20.7	948.4
85°	39.1	38.1	34.6	29.4	22.8	14.4	9.2	14.9	963.2
90°	29.7	28.9	25.8	20.2	13.1	5.9	0.8	10.0	973.2
95°	24.0	23.5	21.5	16.6	10.0	3.6	0.7	8.0	981.2
100°	19.1	18.8	17.3	13.3	7.4	1.9	0.7	6.2	987.3
105°	15.1	14.8	13.5	10.2	5.0	0.8	0.6	4.6	991.9
110°	11.8	11.4	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.1	8.6	7.4	4.7	1.4	0.7	0.7	2.3	997.5
120°	6.7	6.2	4.9	2.7	0.8	0.7	0.8	1.5	999.1
125°	4.5	4.0	2.9	1.3	0.8	0.8	0.8	0.9	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	22,2	23,8	22,5	24,1	24,4	24,0	25,7	24,4	26,0	26,3
	3H	23,4	24,8	23,7	25,2	25,5	25,0	26,5	25,4	26,8	27,2
	4H	24,1	25,4	24,5	25,8	26,2	25,4	26,8	25,8	27,1	27,5
	6H	24,8	26,1	25,2	26,5	26,9	25,6	26,9	26,1	27,3	27,7
	8H	25,2	26,4	25,7	26,8	27,2	25,8	26,9	26,2	27,3	27,7
	12H	25,6	26,8	26,1	27,1	27,6	25,8	26,9	26,2	27,3	27,7
4H	2H	23,0	24,4	23,4	24,7	25,1	24,5	25,9	24,9	26,2	26,6
	3H	24,4	25,6	24,8	25,9	26,3	25,7	26,9	26,2	27,3	27,7
	4H	25,2	26,3	25,6	26,7	27,1	26,2	27,3	26,7	27,7	28,1
	6H	26,1	27,0	26,6	27,5	27,9	26,6	27,5	27,1	28,0	28,4
	8H	26,6	27,4	27,0	27,9	28,4	26,7	27,6	27,2	28,0	28,5
	12H	27,1	27,8	27,6	28,3	28,8	26,8	27,6	27,3	28,0	28,5
8H	4H	25,6	26,5	26,1	26,9	27,4	26,5	27,4	27,0	27,8	28,3
	6H	26,7	27,4	27,2	27,9	28,4	27,0	27,8	27,5	28,2	28,7
	8H	27,3	27,9	27,8	28,4	28,9	27,2	27,9	27,7	28,4	28,9
	12H	27,9	28,5	28,4	29,0	29,5	27,4	28,0	27,9	28,5	29,0
12H	4H	25,7	26,4	26,2	26,9	27,4	26,6	27,3	27,1	27,8	28,3
	6H	26,8	27,4	27,3	27,9	28,4	27,2	27,8	27,7	28,3	28,8
	8H	27,5	28,0	28,0	28,5	29,1	27,4	28,0	27,9	28,5	29,0

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	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°		24409.3	25651.1	29254.1	34759.6	38725.1	37637.4	36673.2	
50°		20810.4	21816.5	24769.0	29530.5	33904.6	34901.4	34910.7	
55°		18068.3	18962.6	21732.5	25815.5	29458.2	30966.5	32194.8	
60°		16123.6	16813.3	19168.0	23098.5	25791.3	26737.0	28484.9	
65°		15198.0	15664.9	17290.1	20737.4	22908.4	22878.9	24419.7	
70°		15214.1	15435.2	16184.3	18690.5	20511.9	19554.7	20758.3	
75°		15767.4	15818.0	15831.4	17164.6	18294.6	16638.0	17538.1	
80°		16635.2	16547.0	16166.4	16229.4	16402.8	14341.0	14623.7	
85°		17872.4	17792.8	17321.3	16640.2	15528.3	12805.9	12245.6	

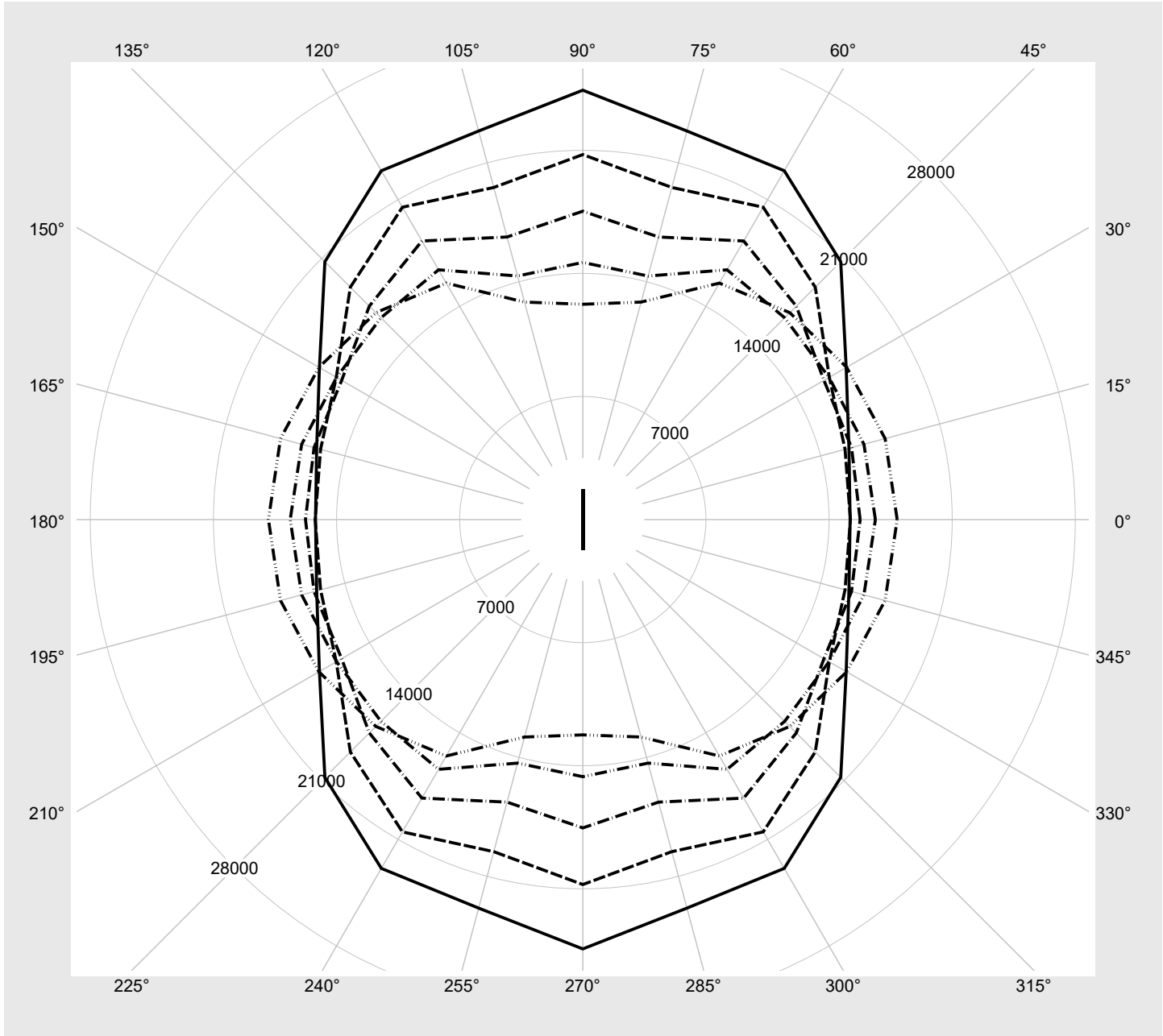
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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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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	13360	86.1
95	240	252	12671	81.2
90	226	250	12009	76.5
85	213	248	11346	71.9
80	200	245	10709	67.5
75	186	243	10022	62.9
70	173	240	9359	58.5
65	160	237	8696	54.2
60	147	234	8005	49.7
55	135	231	7368	45.7
50	122	227	6704	41.7
45	109	223	6015	37.4
40	97	219	5349	33.4
35	84	213	4657	29.4
30	72	208	3992	25.5
25	60	201	3326	21.6
20	48	193	2661	17.9
15	36	182	1996	14.1
10	25	169	1358	10.4
5	13	145	692	6.9