

Lichttechnischer Prüfbefund

Familie
Licross® Protected

Bestell-Nr.: 51TS12DN5DXL
EAN: 4058352391624

LP-Nummer
58521_14



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 5000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 13380 lm
 Systemleistung = 86.1 W
 Lichtausbeute = 155.4 lm/W

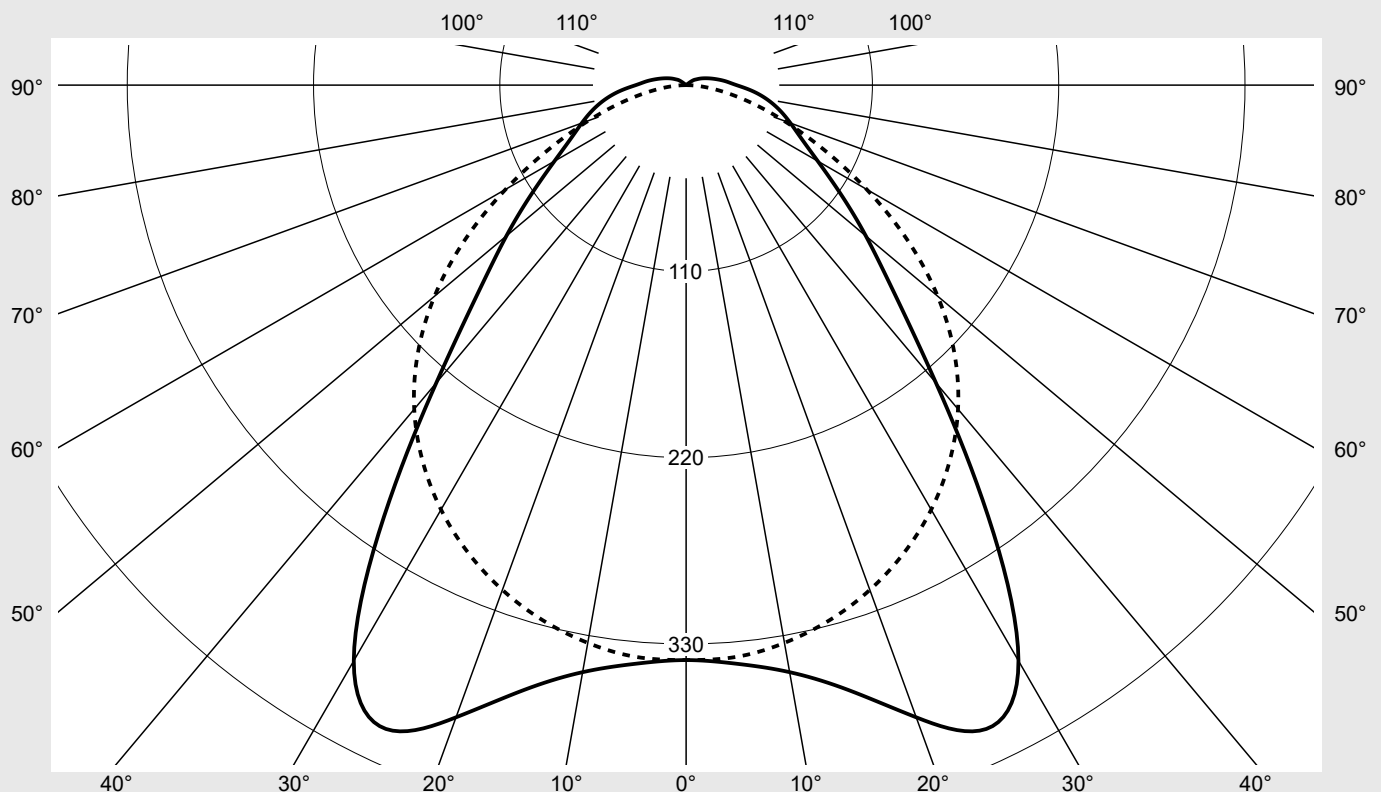
Seriendokumentation
12.12.2019

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	25,5	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	26,4	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	27,1	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	27,1	27,8	27,5	28,2	28,7
	8H	27,3	27,9	27,8	28,4	28,9	27,3	27,9	27,8	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	27,5	27,3	27,9	28,5	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

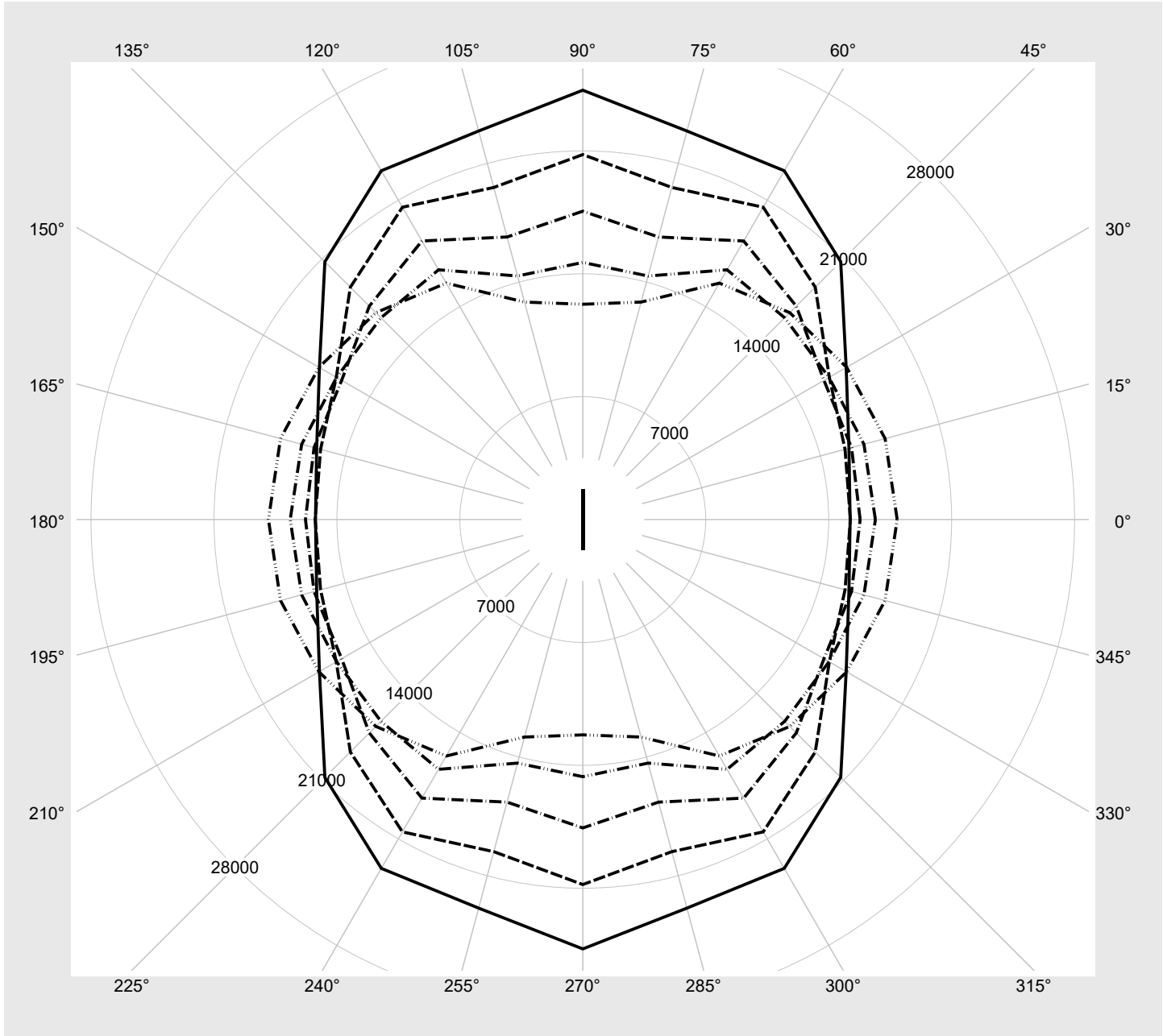
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		24445.8	25689.5	29297.9	34811.6	38783.0	37693.8	36728.1	
50°		20841.6	21849.2	24806.1	29574.7	33955.4	34953.7	34962.9	
55°		18095.3	18990.9	21765.0	25854.2	29502.3	31012.8	32243.0	
60°		16147.8	16838.4	19196.7	23133.1	25829.9	26777.0	28527.5	
65°		15220.7	15688.4	17315.9	20768.4	22942.7	22913.1	24456.2	
70°		15236.9	15458.3	16208.5	18718.5	20542.6	19584.0	20789.4	
75°		15791.0	15841.7	15855.1	17190.3	18322.0	16662.9	17564.4	
80°		16660.1	16571.8	16190.6	16253.7	16427.3	14362.5	14645.6	
85°		17899.2	17819.4	17347.2	16665.1	15551.6	12825.1	12263.9	

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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	13380	86.1
95	240	252	12711	81.3
90	226	250	12042	76.6
85	212	247	11373	71.9
80	199	245	10704	67.3
75	186	243	10035	62.9
70	172	240	9366	58.4
65	159	237	8697	54.1
60	146	234	8028	49.8
55	134	231	7359	45.6
50	121	227	6690	41.5
45	109	223	6021	37.4
40	96	219	5352	33.4
35	84	214	4683	29.5
30	72	208	4014	25.6
25	60	201	3345	21.7
20	48	193	2676	18.0
15	36	183	2007	14.1
10	24	169	1338	10.3
5	12	144	669	6.8