

Lichttechnischer Prüfbefund

Familie
Licross® Protected

Bestell-Nr.: 51TS12DN58XF
EAN: 4058352375600

LP-Nummer
58522_28



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 5000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 8480 lm
 Systemleistung = 56.2 W
 Lichtausbeute = 150.9 lm/W

Seriendokumentation
12.12.2019

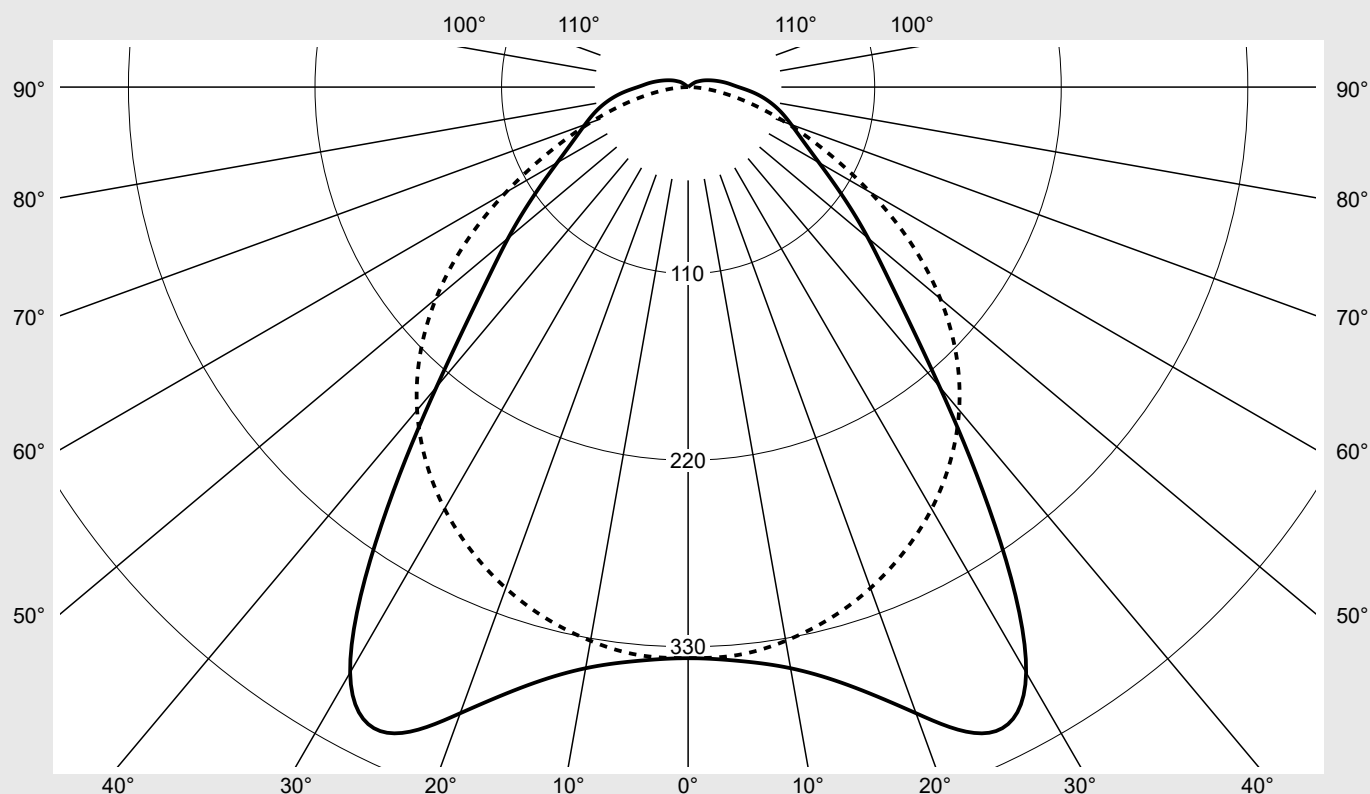
sITeco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 420 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°	336.7	336.7	336.7	336.7	336.7	336.7	336.7	2.0	2.0
5°	339.6	338.6	335.9	336.3	336.9	336.0	336.1	16.1	18.1
10°	347.9	347.0	341.3	338.0	335.2	332.1	331.5	32.3	50.4
15°	365.1	363.4	352.6	343.0	333.9	326.3	324.2	48.8	99.2
20°	392.9	389.6	370.2	350.5	332.5	318.7	314.4	66.1	165.3
25°	420.1	417.2	393.2	361.7	330.8	309.3	301.9	83.9	249.2
30°	398.6	403.0	395.6	369.9	329.0	297.6	287.2	97.7	346.8
35°	315.4	327.2	346.9	353.5	322.7	283.2	269.5	100.9	447.7
40°	230.7	242.3	270.7	302.4	300.6	265.5	248.6	95.2	542.9
45°	173.9	182.1	205.6	239.8	258.3	240.0	223.6	85.6	628.5
50°	138.5	144.5	161.6	188.3	208.7	204.6	194.1	75.2	703.7
55°	110.6	115.5	130.2	150.3	164.6	163.9	160.4	64.4	768.0
60°	89.1	92.4	103.6	120.9	128.5	124.9	123.9	53.5	821.6
65°	74.6	76.3	82.5	95.4	99.4	91.8	89.8	43.7	865.3
70°	64.8	65.1	66.4	73.4	75.2	65.0	61.7	35.1	900.3
75°	56.7	56.1	54.1	55.3	54.0	43.4	39.3	27.4	927.8
80°	48.3	47.2	43.9	40.6	36.4	26.8	21.9	20.7	948.5
85°	39.1	38.0	34.5	29.4	22.9	14.4	9.1	14.9	963.3
90°	29.8	28.8	25.7	20.2	13.1	5.8	0.8	9.9	973.3
95°	24.0	23.5	21.4	16.6	9.9	3.5	0.7	7.9	981.2
100°	19.2	18.8	17.3	13.3	7.4	1.9	0.6	6.2	987.4
105°	15.1	14.8	13.6	10.2	5.0	0.8	0.6	4.6	992.0
110°	11.8	11.3	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.0	8.5	7.3	4.7	1.4	0.7	0.7	2.3	997.6
120°	6.6	6.1	4.9	2.7	0.8	0.7	0.7	1.5	999.1
125°	4.4	4.0	2.9	1.3	0.7	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									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	20,6	22,2	21,0	22,5	22,9	22,5	24,1	22,8	24,4	24,7
	3H	21,8	23,2	22,1	23,6	23,9	23,5	25,0	23,9	25,3	25,7
	4H	22,5	23,8	22,8	24,2	24,6	23,9	25,2	24,2	25,6	26,0
	6H	23,2	24,5	23,6	24,9	25,3	24,1	25,4	24,5	25,7	26,1
	8H	23,6	24,8	24,1	25,2	25,6	24,2	25,4	24,6	25,8	26,2
	12H	24,0	25,1	24,4	25,5	26,0	24,3	25,4	24,7	25,8	26,2
4H	2H	21,4	22,8	21,8	23,2	23,5	22,9	24,3	23,3	24,7	25,0
	3H	22,8	24,0	23,2	24,4	24,8	24,2	25,4	24,6	25,8	26,2
	4H	23,6	24,7	24,0	25,1	25,5	24,7	25,8	25,1	26,2	26,6
	6H	24,5	25,4	25,0	25,9	26,3	25,1	26,0	25,5	26,4	26,9
	8H	25,0	25,8	25,4	26,3	26,7	25,2	26,0	25,6	26,5	26,9
	12H	25,5	26,2	25,9	26,7	27,2	25,3	26,0	25,8	26,5	27,0
8H	4H	24,0	24,9	24,5	25,3	25,8	25,0	25,8	25,4	26,3	26,7
	6H	25,1	25,8	25,6	26,3	26,8	25,5	26,2	26,0	26,7	27,2
	8H	25,7	26,3	26,2	26,8	27,3	25,7	26,3	26,2	26,8	27,3
	12H	26,3	26,9	26,8	27,4	27,9	25,9	26,4	26,4	26,9	27,4
12H	4H	24,1	24,8	24,6	25,3	25,8	25,0	25,8	25,5	26,2	26,7
	6H	25,2	25,8	25,7	26,3	26,8	25,6	26,2	26,1	26,7	27,2
	8H	25,9	26,4	26,4	26,9	27,5	25,9	26,4	26,4	26,9	27,5

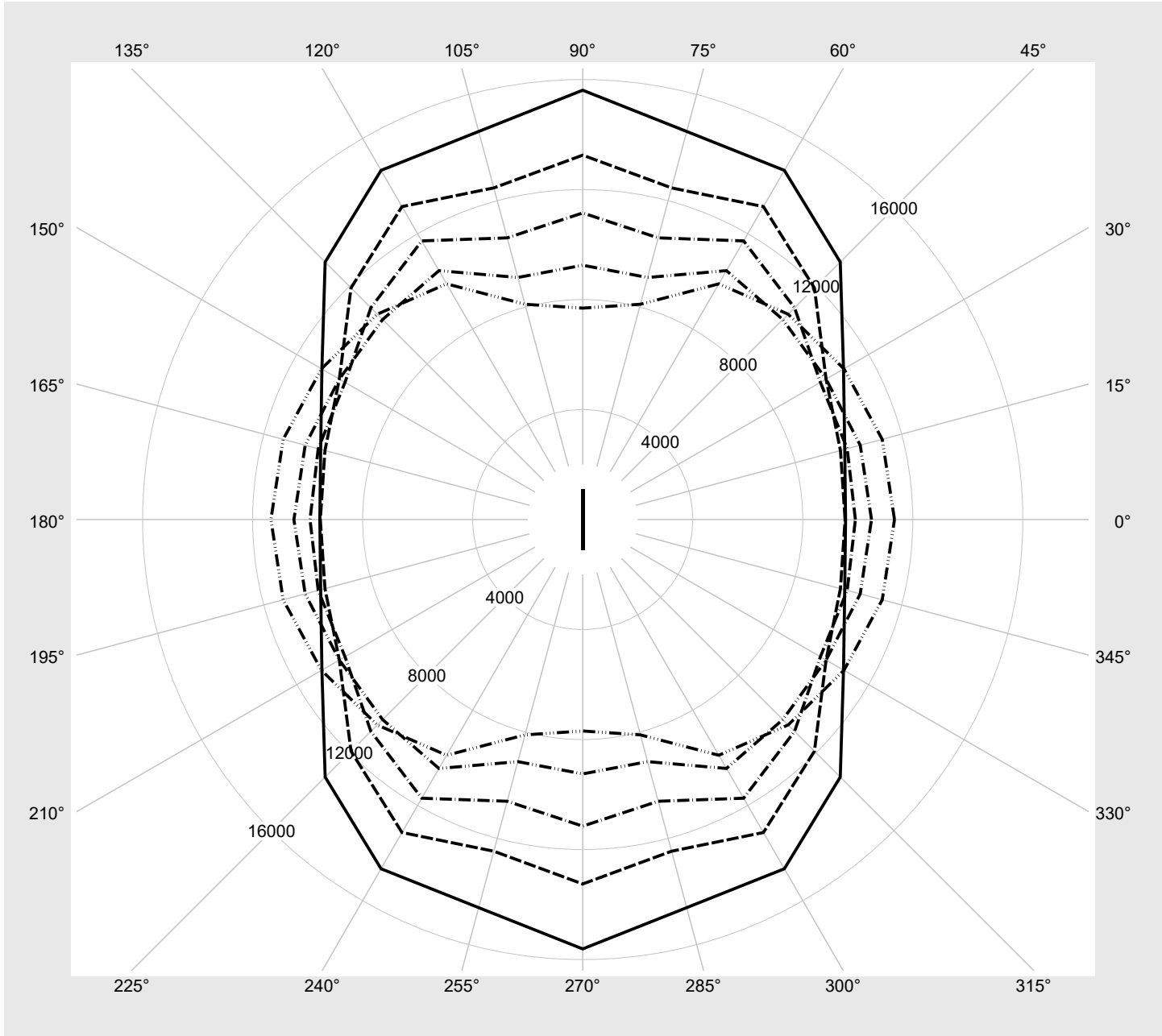
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13	H(C180) = 13
		H(C90) = 0	H(C270) = 0

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°		15482.3	16295.4	18663.5	22284.9	24765.0	23899.3	23230.6	
50°		13202.8	13852.1	15758.9	18870.4	21694.4	22243.3	22184.5	
55°		11437.3	12025.7	13828.8	16476.5	18841.5	19772.4	20538.6	
60°		10161.4	10616.2	12176.3	14747.6	16497.9	17072.0	18209.1	
65°		9556.7	9862.4	10948.6	13242.0	14662.7	14610.2	15612.9	
70°		9539.7	9700.9	10217.0	11912.3	13140.3	12485.9	13251.1	
75°		9913.7	9954.9	9978.8	10891.7	11700.7	10604.9	11148.7	
80°		10499.7	10445.2	10216.7	10287.6	10451.6	9113.5	9248.7	
85°		11334.9	11273.4	10966.0	10562.4	9896.9	8105.7	7688.4	

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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	8480	56.2
95	240	252	8053	53.2
90	227	250	7629	50.2
85	213	248	7205	47.3
80	200	245	6782	44.3
75	187	243	6358	41.5
70	174	240	5934	38.6
65	161	238	5510	35.8
60	148	234	5086	33.0
55	135	231	4662	30.2
50	122	227	4239	27.5
45	109	224	3815	24.9
40	97	219	3391	22.2
35	84	214	2967	19.7
30	72	208	2543	17.0
25	60	201	2119	14.5
20	48	194	1695	12.0
15	36	183	1272	9.6
10	24	169	848	7.2
5	12	143	424	4.6