

Lichttechnischer Prüfbefund

Familie
Licross® 11 Protected



Bestell-Nr.: 51TS12DN48XFE
EAN: 4058352447376

LP-Nummer
58522_42

Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 8470 lm
Systemleistung = 56.2 W
Lichtausbeute = 150.7 lm/W

Seriendokumentation
05.10.2020

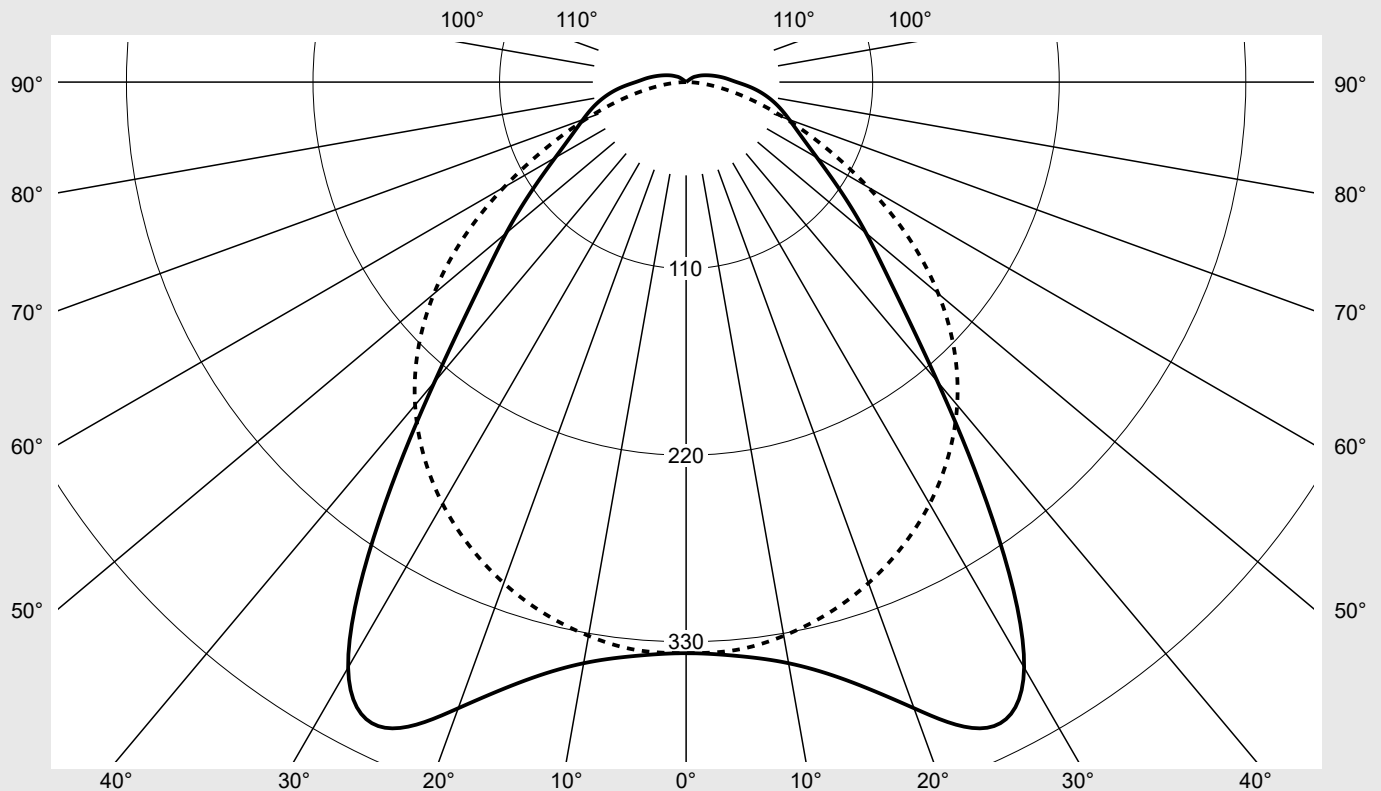
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Lichtstärke in cd/klm

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	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°	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									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
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	25,6
	4H	22,5	23,8	22,8	24,2	24,6	23,8	25,2	24,2	25,6	25,9
	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	24,0	25,2	25,6	24,2	25,4	24,6	25,8	26,2
	12H	24,0	25,1	24,4	25,5	25,9	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	25,0	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	27,4	25,9	26,4	26,4	26,9	27,4

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°	45°	15464.0	16276.2	18641.5	22258.6	24735.8	23871.1	23203.3	
50°	50°	13187.2	13835.8	15740.3	18848.1	21668.8	22217.1	22158.3	
55°	55°	11423.8	12011.5	13812.5	16457.0	18819.2	19749.1	20514.4	
60°	60°	10149.4	10603.7	12161.9	14730.2	16478.4	17051.8	18187.6	
65°	65°	9545.4	9850.7	10935.7	13226.4	14645.5	14593.0	15594.5	
70°	70°	9528.5	9689.4	10205.0	11898.2	13124.8	12471.2	13235.5	
75°	75°	9902.0	9943.2	9967.0	10878.9	11686.9	10592.4	11135.6	
80°	80°	10487.4	10432.9	10204.6	10275.5	10439.2	9102.8	9237.8	
85°	85°	11321.5	11260.2	10953.1	10549.9	9885.2	8096.2	7679.3	

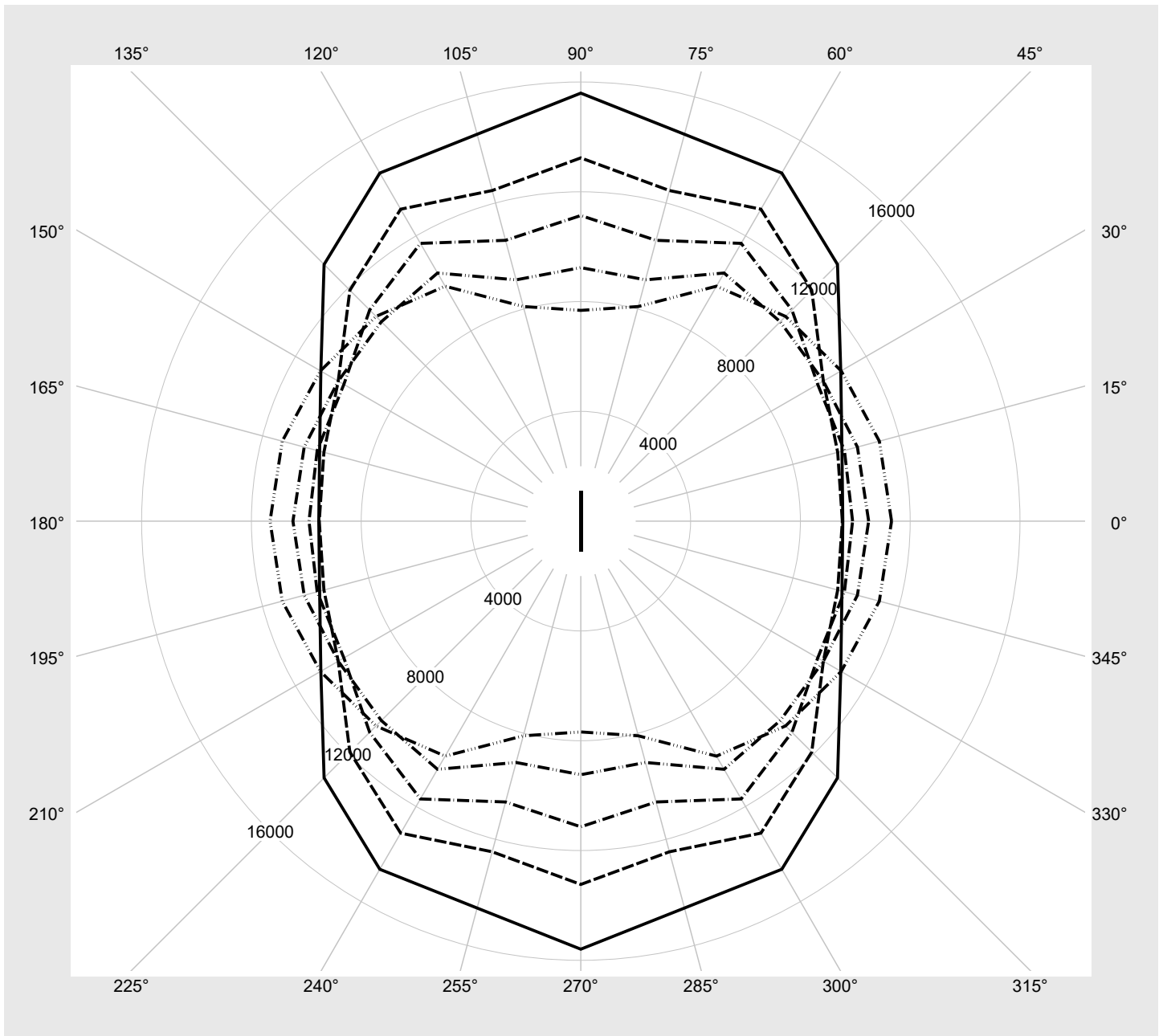
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Leuchtdichten in cd/m²

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	8470	56.2
95	241	252	8046	53.2
90	227	250	7614	50.1
85	214	248	7192	47.3
80	201	245	6791	44.4
75	187	243	6337	41.4
70	175	240	5926	38.6
65	162	238	5504	35.8
60	149	234	5082	33.0
55	136	231	4659	30.2
50	123	227	4238	27.5
45	111	224	3827	25.0
40	98	219	3404	22.3
35	85	214	2960	19.7
30	73	208	2548	17.1
25	60	201	2102	14.4
20	49	194	1703	12.1
15	36	182	1256	9.5
10	25	169	857	7.3
5	13	145	445	4.7