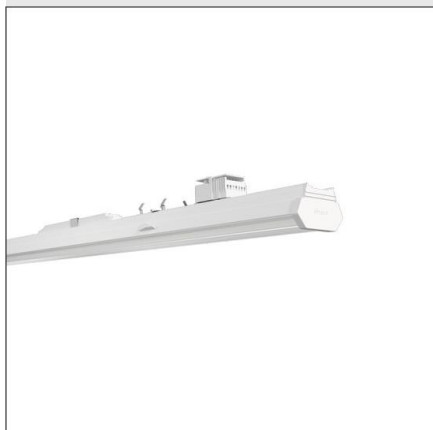


Lichttechnischer Prüfbefund

Familie
Licross® 21 Protected

Bestell-Nr.: 52TD1BVN455G
EAN: 4058352979525

LP-Nummer
58522_259



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI CLO
Bemessungswerte Nettolichtstrom = 5500 lm
Systemleistung = 32.3 W
Lichtausbeute = 170.3 lm/W

Seriendokumentation
07.11.2023

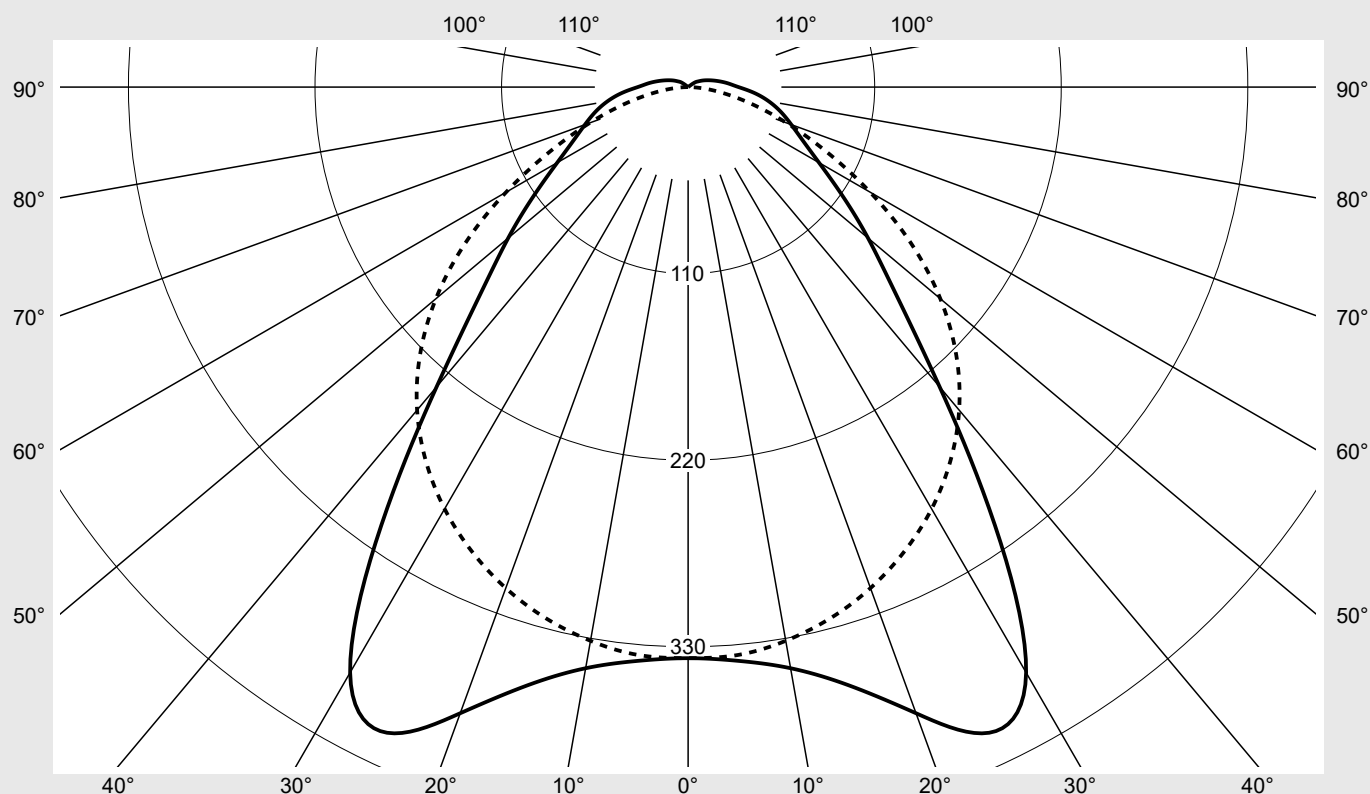
siteco

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

Lichttechnischer Prüfbefund

Familie Licross® 21 Protected	Bestell-Nr.: 52TD1BVN455G EAN: 4058352979525	LP-Nummer 58522_259
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

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°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
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

Lichttechnischer Prüfbefund

Familie Licross® 21 Protected	Bestell-Nr.: 52TD1BVN455G EAN: 4058352979525	LP-Nummer 58522_259
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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	19,1	20,7	19,5	21,0	21,4	21,0	22,6	21,3	22,9	23,2
	3H	20,3	21,7	20,6	22,1	22,4	22,0	23,5	22,4	23,8	24,1
	4H	21,0	22,3	21,3	22,7	23,1	22,3	23,7	22,7	24,1	24,4
	6H	21,7	23,0	22,1	23,4	23,8	22,6	23,9	23,0	24,2	24,6
	8H	22,1	23,3	22,5	23,7	24,1	22,7	23,9	23,1	24,3	24,7
	12H	22,5	23,6	22,9	24,0	24,4	22,8	23,9	23,2	24,3	24,7
4H	2H	19,9	21,3	20,3	21,7	22,0	21,4	22,8	21,8	23,2	23,5
	3H	21,3	22,5	21,7	22,9	23,3	22,7	23,9	23,1	24,3	24,7
	4H	22,1	23,2	22,5	23,6	24,0	23,2	24,3	23,6	24,7	25,1
	6H	23,0	23,9	23,5	24,4	24,8	23,5	24,5	24,0	24,9	25,4
	8H	23,5	24,3	23,9	24,8	25,2	23,7	24,5	24,1	25,0	25,4
	12H	24,0	24,7	24,4	25,2	25,7	23,8	24,5	24,3	25,0	25,5
8H	4H	22,5	23,4	23,0	23,8	24,3	23,5	24,3	23,9	24,8	25,2
	6H	23,6	24,3	24,1	24,8	25,3	24,0	24,7	24,5	25,2	25,7
	8H	24,2	24,8	24,7	25,3	25,8	24,2	24,8	24,7	25,3	25,8
	12H	24,8	25,4	25,3	25,9	26,4	24,4	24,9	24,9	25,4	25,9
12H	4H	22,6	23,3	23,1	23,8	24,3	23,5	24,3	24,0	24,7	25,2
	6H	23,7	24,3	24,2	24,8	25,3	24,1	24,7	24,6	25,2	25,7
	8H	24,4	24,9	24,9	25,4	25,9	24,4	24,9	24,9	25,4	25,9

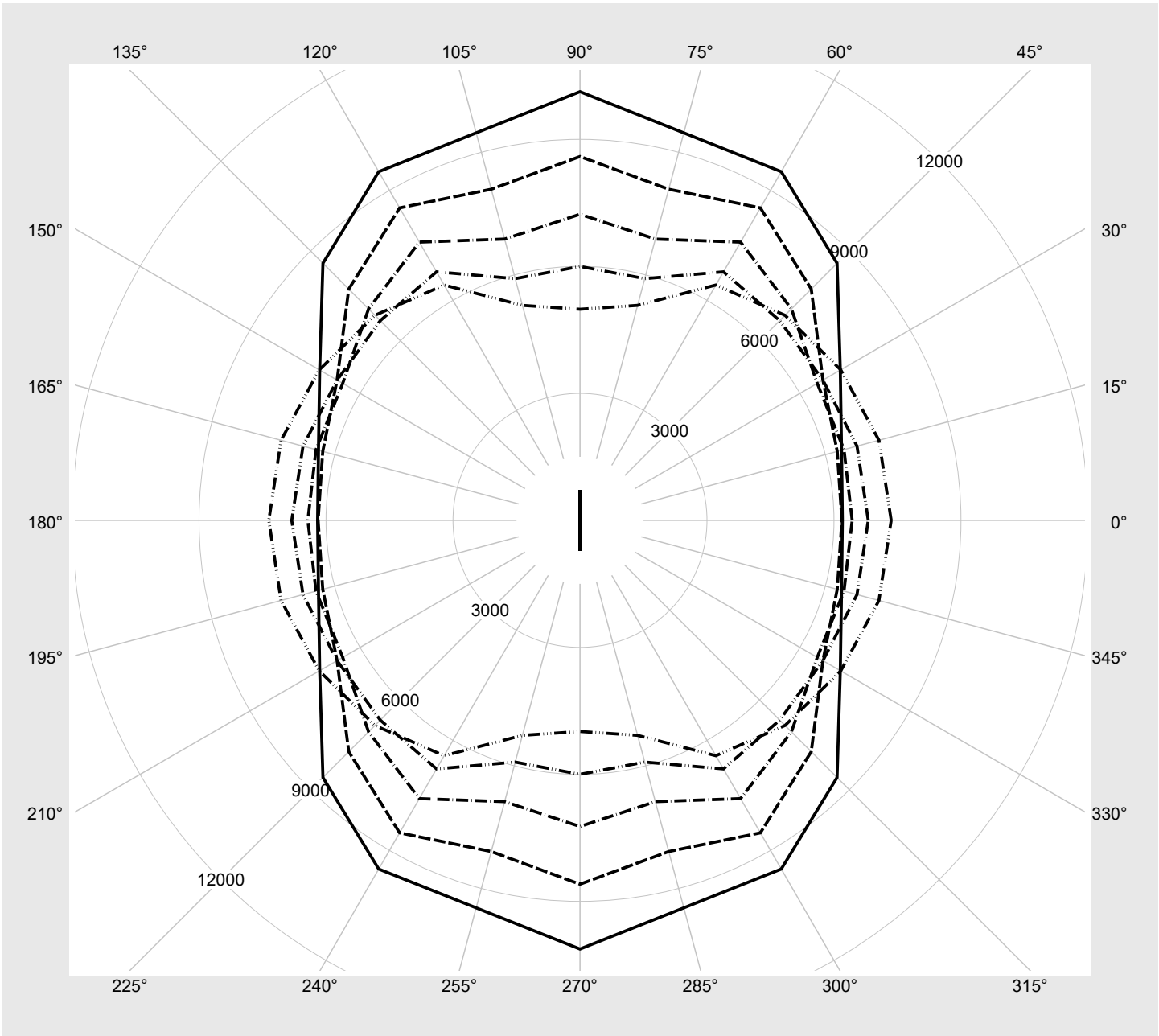
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480, B = 78	H(C0) = 13, H(C90) = 0	H(C180) = 13, H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		10041.6	10569.0	12104.9	14453.6	16062.2	15500.7	15067.0	
50°		8563.1	8984.3	10221.0	12239.1	14070.7	14426.7	14388.5	
55°		7418.1	7799.7	8969.1	10686.4	12220.3	12824.1	13321.0	
60°		6590.6	6885.5	7897.4	9565.0	10700.3	11072.6	11810.1	
65°		6198.3	6396.6	7101.1	8588.6	9510.0	9476.0	10126.3	
70°		6187.3	6291.8	6626.6	7726.1	8522.6	8098.2	8594.5	
75°		6429.9	6456.6	6472.1	7064.2	7588.9	6878.2	7230.9	
80°		6810.0	6774.6	6626.4	6672.4	6778.7	5910.9	5998.5	
85°		7351.6	7311.8	7112.4	6850.6	6419.0	5257.3	4986.6	

Lichttechnischer Prüfbefund

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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Lichttechnischer Prüfbefund

Familie Licross® 21 Protected	Bestell-Nr.: 52TD1BVN455G EAN: 4058352979525	LP-Nummer 58522_259
Dimmstufen-Tabelle		Umgebungstemperatur: 25°C
siteco		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	5500	32.3	38.3	35.3
95	241	252	5231	30.7	36.4	33.6
90	228	250	4957	29.0	34.5	31.8
85	215	248	4685	27.6	32.5	30.0
80	202	246	4410	26.1	30.7	28.4
75	189	243	4135	24.6	28.8	26.7
70	176	241	3856	23.1	27.0	25.0
65	163	238	3578	21.5	25.2	23.4
60	150	235	3297	20.0	23.4	21.7
55	137	231	3017	18.3	21.6	20.0
50	125	228	2755	16.8	19.8	18.3
45	112	224	2472	15.2	17.9	16.5
40	100	220	2211	13.6	16.1	14.8
35	87	215	1924	11.9	14.1	13.0
30	75	209	1660	10.5	12.2	11.4
25	62	202	1371	8.9	10.4	9.6
20	50	194	1105	7.4	8.6	8.0
15	37	183	814	5.7	6.6	6.2
14	35	181	770	5.5	6.3	5.9