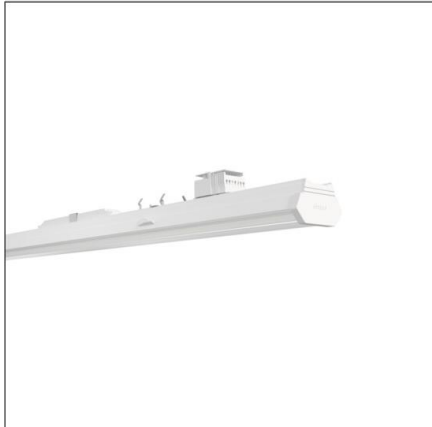


Lichttechnischer Prüfbefund

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

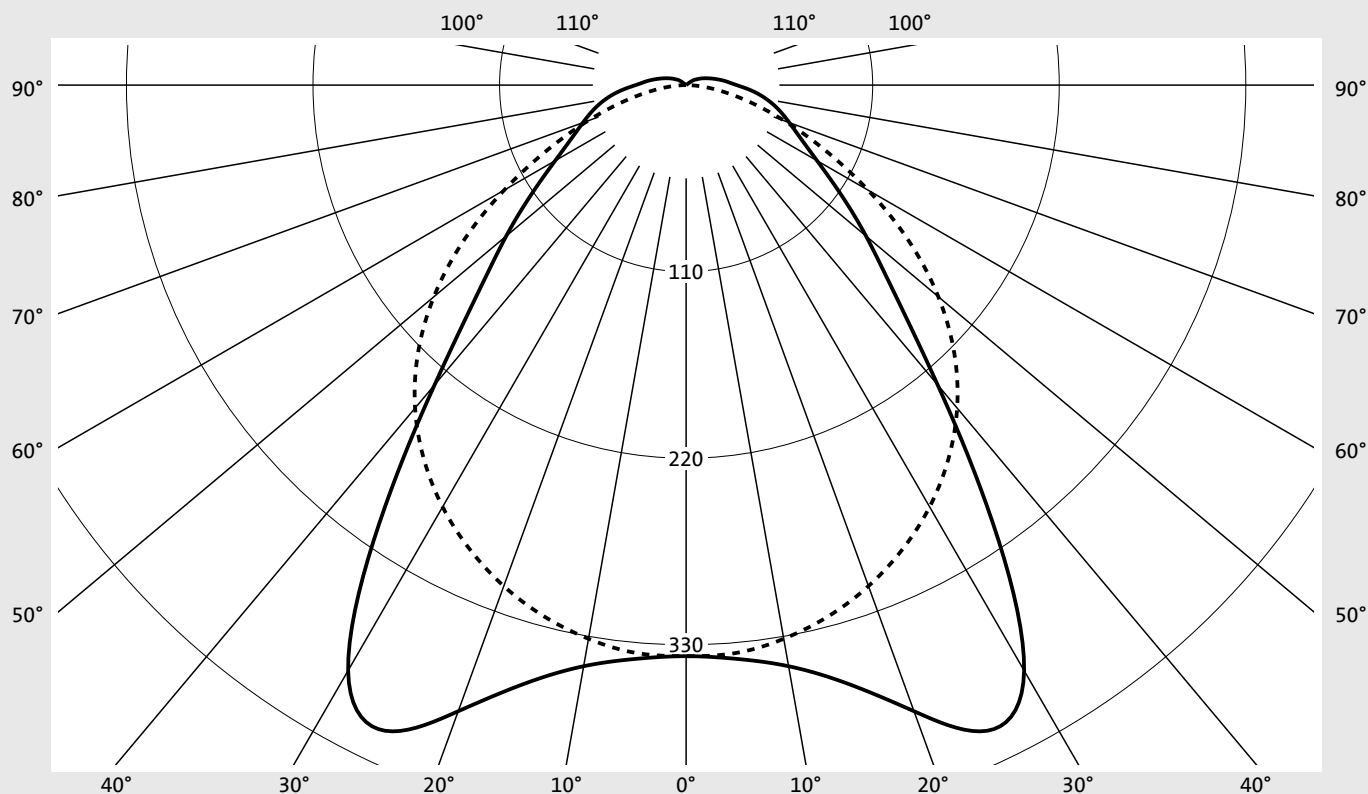
siteco

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® 11 Protected	Bestell-Nr.: 51TS12DN48XFE EAN: 4058352447376	LP-Nummer 58522_42
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								Lichtstrom in lm/klm	
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

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Familie Licross® 11 Protected	Bestell-Nr.: 51TS12DN48XFE EAN: 4058352447376	LP-Nummer 58522_42
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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	H(C0) = 13	H(C180) = 13
						B = 78	H(C90) = 0	H(C270) = 0
C-Ebenen	γ	0°	15°	30°	45°	60°	75°	90°
		180°	165°	150°	135°	120°	105°	270°
		195°	210°	225°	240°	255°	285°	
		345°	330°	315°	300°			
		Leuchtdichte in cd/m²						
45°		15464.0	16276.2	18641.5	22258.6	24735.8	23871.1	23203.3
50°		13187.2	13835.8	15740.3	18848.1	21668.8	22217.1	22158.3
55°		11423.8	12011.5	13812.5	16457.0	18819.2	19749.1	20514.4
60°		10149.4	10603.7	12161.9	14730.2	16478.4	17051.8	18187.6
65°		9545.4	9850.7	10935.7	13226.4	14645.5	14593.0	15594.5
70°		9528.5	9689.4	10205.0	11898.2	13124.8	12471.2	13235.5
75°		9902.0	9943.2	9967.0	10878.9	11686.9	10592.4	11135.6
80°		10487.4	10432.9	10204.6	10275.5	10439.2	9102.8	9237.8
85°		11321.5	11260.2	10953.1	10549.9	9885.2	8096.2	7679.3

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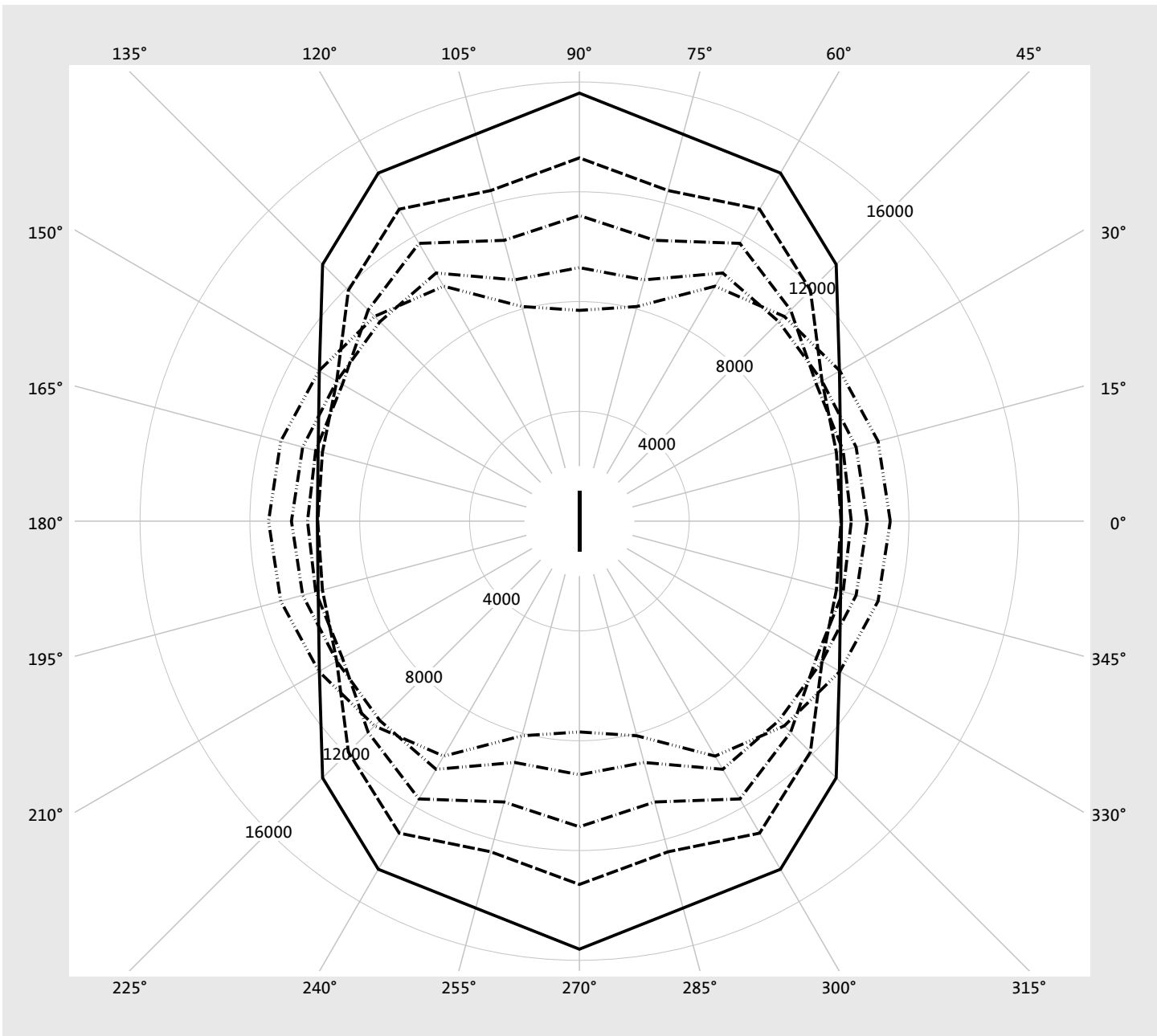
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Leuchtdichten in cd/m²

$\gamma 65^\circ$
 $\gamma 70^\circ$
 $\gamma 75^\circ$
 $\gamma 80^\circ$
 $\gamma 85^\circ$



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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	237	5504	35.8
60	149	235	5082	33.0
55	136	231	4659	30.2
50	123	228	4238	27.5
45	111	224	3827	25.0
40	98	220	3404	22.3
35	85	216	2960	19.7
30	73	210	2548	17.1
25	60	204	2102	14.4
20	49	198	1703	12.1
15	36	189	1256	9.5
10	25	179	857	7.3