

Lichttechnischer Prüfbefund

Familie
Licross® 11 Protected

Bestell-Nr.: 51TD12VN465F
EAN: 4058352749999

LP-Nummer
58524_210



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI CLO
Bemessungswerte Nettolichtstrom = 6510 lm
 Systemleistung = 40.1 W
 Lichtausbeute = 162.3 lm/W

Seriendokumentation
08.11.2022

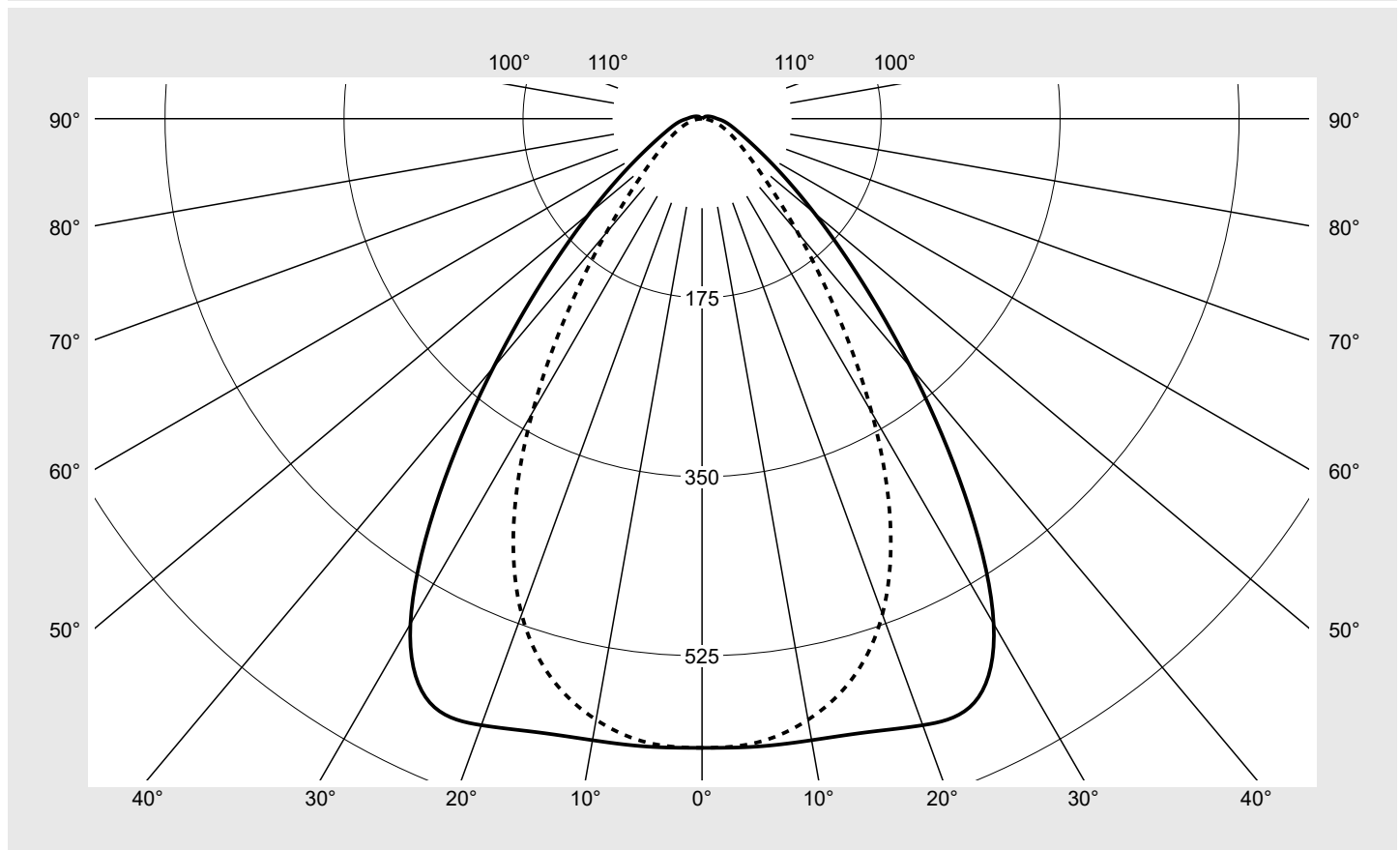
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 631 cd/klm



Klassifizierungen

DIN 5040 A 5 1
 CIE N1=73 N2=92 N3=98
 N4=99 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 98,6%
 ϕ_o 1,4%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Licross® 11 Protected	Bestell-Nr.: 51TD12VN465F EAN: 4058352749999	LP-Nummer 58524_210
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°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
0°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	3.7	3.7
5°	616.1	614.1	609.7	611.1	612.9	611.9	612.2	29.3	32.9
10°	616.9	615.1	606.4	602.8	600.3	597.0	596.6	57.6	90.5
15°	620.9	617.8	600.9	587.5	576.7	568.6	566.8	83.8	174.3
20°	630.8	623.5	591.7	561.2	536.7	520.1	515.5	106.4	280.7
25°	629.8	620.7	576.3	523.2	476.9	445.6	435.5	122.6	403.3
30°	570.2	568.9	534.3	469.6	398.0	348.4	331.9	126.5	529.9
35°	447.2	456.9	450.2	394.1	307.5	246.5	227.0	114.9	644.8
40°	317.0	331.0	344.1	303.2	220.2	163.1	146.0	93.6	738.3
45°	213.9	226.3	244.1	214.7	147.7	105.6	94.0	70.6	808.9
50°	143.1	152.0	166.9	144.8	97.7	70.8	64.1	51.5	860.4
55°	96.6	102.1	111.9	95.1	64.8	49.7	46.3	37.0	897.4
60°	67.0	69.6	74.2	63.4	44.8	36.0	34.5	26.8	924.2
65°	49.0	49.5	50.0	42.8	32.0	26.6	25.7	19.7	943.9
70°	37.9	37.0	34.4	29.4	23.3	19.5	18.8	14.8	958.7
75°	30.5	28.7	24.6	20.4	16.6	13.6	12.7	11.1	969.8
80°	24.8	22.7	18.1	14.1	11.2	8.8	7.6	8.2	978.0
85°	19.7	17.8	13.4	9.8	7.1	4.8	3.4	5.9	983.8
90°	14.9	13.4	9.7	6.4	4.0	1.9	0.4	3.9	987.8
95°	12.2	11.1	8.2	5.4	3.1	1.2	0.3	3.2	991.0
100°	10.0	9.2	6.9	4.5	2.4	0.7	0.3	2.6	993.6
105°	8.2	7.6	5.7	3.6	1.7	0.4	0.3	2.1	995.6
110°	6.8	6.2	4.6	2.7	1.1	0.3	0.3	1.6	997.2
115°	5.5	5.0	3.7	2.0	0.7	0.4	0.4	1.2	998.4
120°	4.3	3.8	2.7	1.4	0.6	0.5	0.5	0.9	999.3
125°	3.1	2.7	1.8	0.9	0.6	0.6	0.6	0.6	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® 11 Protected	Bestell-Nr.: 51TD12VN465F EAN: 4058352749999	LP-Nummer 58524_210
---	---	-------------------------------

UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	19,8	21,2	20,1	21,5	21,8	16,5	18,0	16,9	18,3	18,6
	3H	20,2	21,5	20,6	21,8	22,1	16,9	18,2	17,3	18,5	18,8
	4H	20,4	21,6	20,8	21,9	22,3	17,0	18,2	17,4	18,6	18,9
	6H	20,7	21,8	21,1	22,1	22,5	17,1	18,3	17,6	18,6	19,0
	8H	21,0	21,9	21,4	22,3	22,7	17,2	18,2	17,7	18,6	19,0
	12H	21,1	22,0	21,6	22,4	22,8	17,3	18,2	17,7	18,6	19,0
4H	2H	19,8	21,0	20,2	21,4	21,8	17,1	18,2	17,4	18,6	18,9
	3H	20,4	21,4	20,8	21,8	22,2	17,5	18,5	18,0	18,9	19,3
	4H	20,7	21,6	21,2	22,0	22,4	17,7	18,6	18,2	19,0	19,5
	6H	21,1	21,9	21,6	22,3	22,8	17,9	18,7	18,4	19,1	19,6
	8H	21,4	22,0	21,8	22,5	23,0	18,0	18,7	18,5	19,2	19,6
	12H	21,7	22,2	22,2	22,7	23,2	18,1	18,7	18,6	19,1	19,6
8H	4H	20,7	21,4	21,2	21,9	22,4	18,0	18,6	18,4	19,1	19,6
	6H	21,2	21,8	21,7	22,3	22,8	18,3	18,8	18,8	19,3	19,8
	8H	21,5	22,0	22,0	22,5	23,1	18,4	18,9	18,9	19,4	19,9
	12H	21,9	22,3	22,5	22,8	23,4	18,5	18,9	19,0	19,4	19,9
12H	4H	20,7	21,3	21,2	21,8	22,3	18,1	18,6	18,5	19,1	19,6
	6H	21,2	21,7	21,8	22,2	22,7	18,4	18,8	18,9	19,3	19,8
	8H	21,6	22,0	22,1	22,5	23,0	18,5	18,9	19,0	19,4	20,0

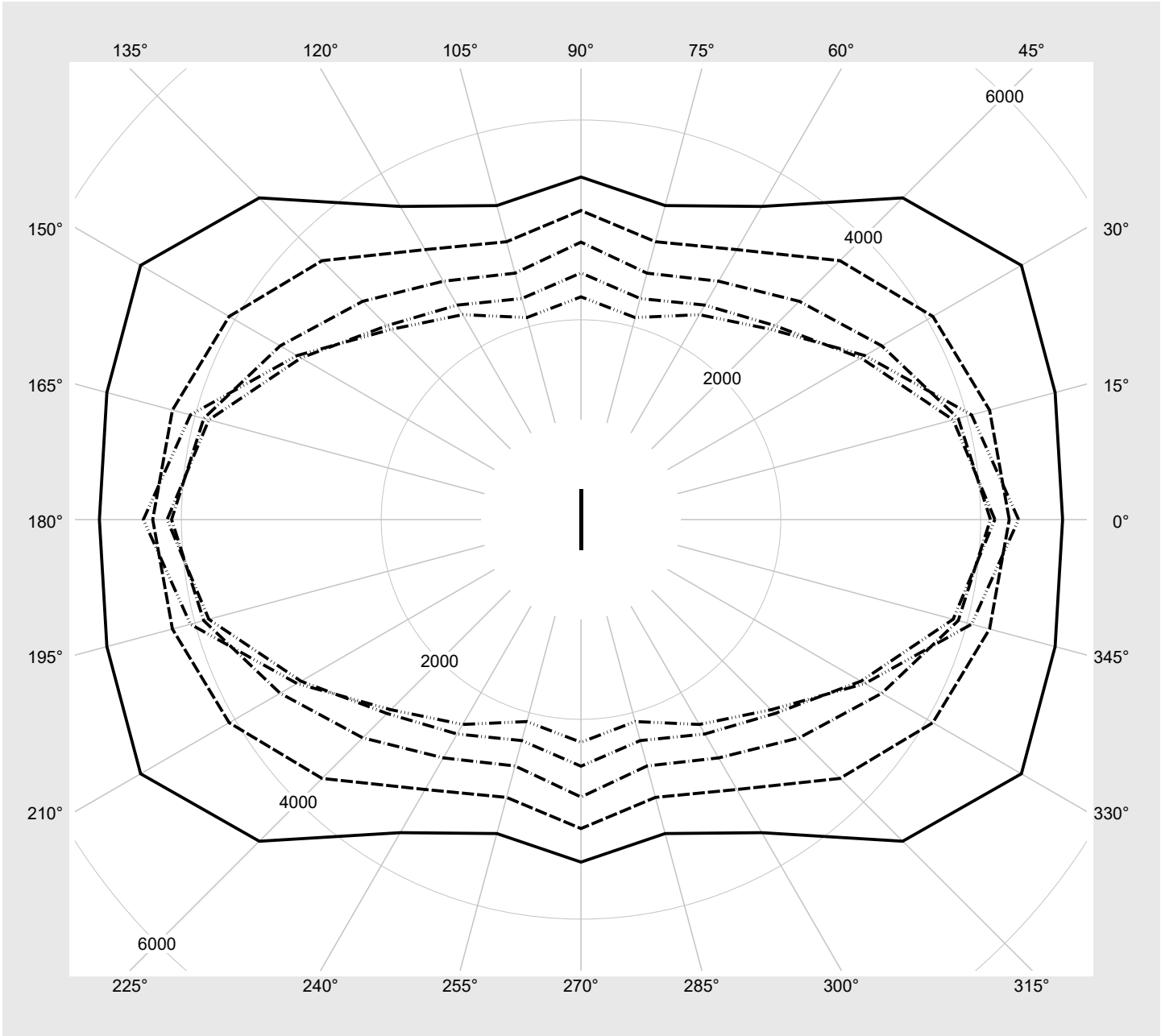
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480, B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
--	--	------------	--------------	------------	-------------

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°		14624.2	15542.5	17011.5	15315.9	10871.5	8075.0	7499.5	
50°		10471.2	11189.1	12496.6	11142.1	7797.5	5905.5	5620.0	
55°		7668.3	8158.9	9119.0	8002.8	5693.9	4599.5	4552.8	
60°		5867.5	6137.7	6697.0	5936.6	4410.9	3782.0	3886.7	
65°		4820.9	4913.5	5090.1	4554.1	3619.4	3254.1	3429.2	
70°		4287.1	4234.1	4066.9	3665.2	3120.3	2879.4	3093.3	
75°		4098.4	3909.6	3477.6	3090.0	2755.1	2553.7	2777.4	
80°		4143.2	3856.6	3236.1	2745.6	2479.0	2290.6	2469.1	
85°		4380.5	4047.7	3282.6	2692.0	2368.4	2093.6	2229.7	

Lichttechnischer Prüfbefund

Familie Licross® 11 Protected	Bestell-Nr.: 51TD12VN465F EAN: 4058352749999	LP-Nummer 58524_210
--	---	--------------------------------------

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



Lichttechnischer Prüfbefund

Familie Licross® 11 Protected	Bestell-Nr.: 51TD12VN465F EAN: 4058352749999	LP-Nummer 58524_210
--	---	--------------------------------------

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	6510	40.1	46.9	43.5
95	242	252	6195	38.2	44.7	41.4
90	228	250	5849	36.1	42.1	39.1
85	215	248	5534	34.1	39.8	37.0
80	202	246	5212	32.1	37.3	34.7
75	189	243	4892	30.1	35.0	32.6
70	176	241	4566	28.1	32.7	30.4
65	163	238	4239	26.2	30.4	28.3
60	150	235	3909	24.2	28.1	26.2
55	137	231	3580	22.4	25.8	24.1
50	124	228	3247	20.4	23.6	22.0
45	112	224	2941	18.7	21.4	20.0
40	99	219	2603	16.5	19.2	17.8
35	86	214	2266	14.6	16.8	15.7
30	74	209	1950	12.9	14.7	13.8
25	62	202	1634	11.2	12.7	12.0
20	49	194	1291	9.3	10.5	9.9
15	37	183	970	7.5	8.5	8.0
10	25	169	647	5.8	6.5	6.2
5	13	145	329	4.1	4.4	4.2
2	6	117	146	3.0	3.2	3.1