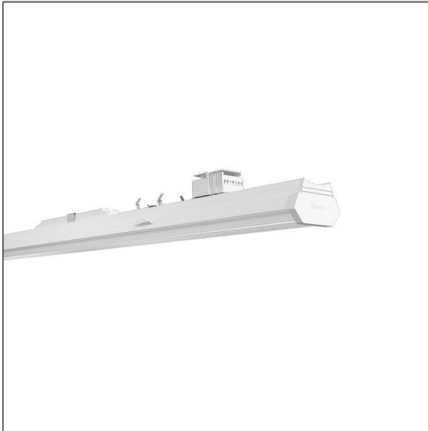


Lichttechnischer Prüfbefund

Familie

Licross® 11 Protected



Bestell-Nr.: 51TP13DN4F5S

EAN: 4058352930342

LP-Nummer

58527_76

Ausführung Prismenabdeckung, satiniert, extrem eng strahlend

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte
 Nettolichtstrom = 15550 lm
 Systemleistung = 87.3 W
 Lichtausbeute = 178.1 lm/W

Seriendokumentation
 14.09.2023

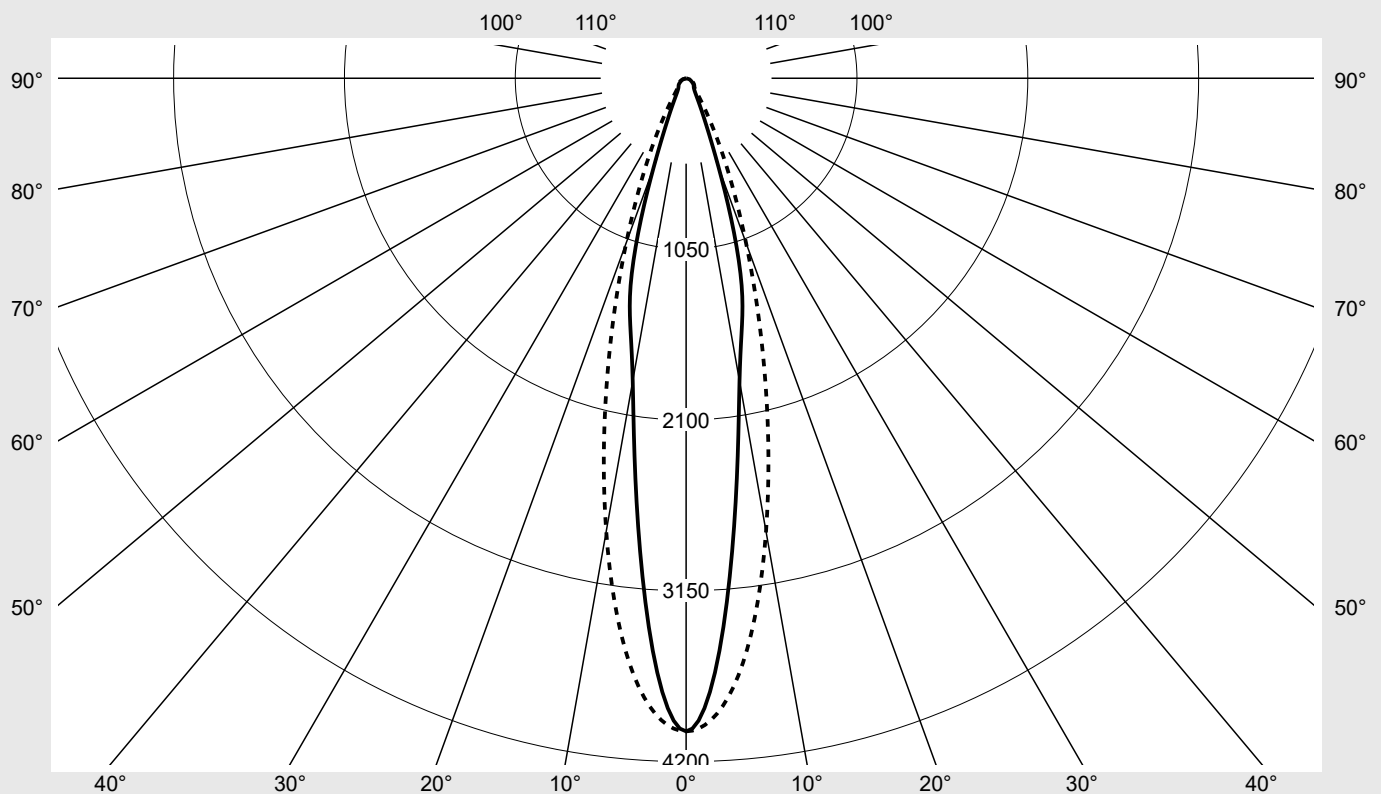
SITECO

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 4014 cd/klm



Klassifizierungen

DIN 5040 A 8 1
 CIE N1=89 N2=96 N3=99
 N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 99,7%
 ϕ_o 0,3%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

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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									
γ	Lichtstärke in cd/klm							Lichtstrom in lm/klm	
0°	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	24.0	24.0
5°	3075.0	3073.4	3140.6	3286.7	3470.0	3619.0	3684.9	159.0	183.0
10°	1889.9	1876.2	1856.5	1927.7	2182.7	2591.5	2828.1	203.0	386.0
15°	1318.5	1331.1	1324.1	1227.2	1167.4	1498.4	1861.2	192.4	578.4
20°	585.4	606.8	689.8	798.0	693.5	737.0	1075.9	136.1	714.5
25°	239.7	246.3	276.4	361.8	426.5	351.4	567.8	79.8	794.2
30°	128.7	127.4	129.3	152.0	214.6	178.7	273.1	45.8	840.1
35°	88.6	83.8	76.3	80.1	101.4	103.4	134.8	29.2	869.2
40°	73.1	66.6	55.1	52.3	60.4	70.8	85.4	22.6	891.8
45°	65.6	58.2	44.9	39.5	42.7	55.1	71.6	20.0	911.8
50°	58.1	50.6	38.4	32.4	32.8	44.4	65.0	18.2	930.0
55°	47.1	41.7	33.1	27.2	26.3	35.1	57.2	16.1	946.1
60°	37.8	33.0	27.8	22.9	21.3	27.1	47.5	13.8	959.9
65°	30.0	25.5	22.6	19.4	17.3	20.3	35.6	11.4	971.3
70°	23.9	19.8	17.3	16.1	13.9	14.7	23.4	9.1	980.4
75°	19.2	15.7	12.9	12.9	10.8	10.0	13.4	6.9	987.3
80°	14.6	12.1	9.7	9.6	7.9	6.2	6.6	5.0	992.4
85°	10.5	9.0	7.3	6.7	5.6	3.2	2.3	3.5	995.8
90°	7.5	6.5	5.5	4.5	3.7	1.4	0.2	2.3	998.2
95°	6.1	5.4	4.5	3.6	2.8	0.8	0.2	1.8	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	15,0	16,1	15,4	16,4	16,7	15,6	16,7	15,9	17,0	17,3
	3H	16,6	17,4	17,0	17,7	18,1	17,1	17,8	17,5	18,2	18,5
	4H	17,0	17,9	17,4	18,3	18,7	17,3	18,1	17,6	18,5	18,9
	6H	17,5	18,5	17,9	18,8	19,2	17,3	18,3	17,7	18,7	19,0
	8H	18,1	18,8	18,5	19,1	19,6	17,4	18,3	17,9	18,7	19,1
	12H	18,1	18,9	18,5	19,3	19,8	17,4	18,3	17,9	18,7	19,1
4H	2H	15,3	16,2	15,7	16,5	16,9	15,7	16,6	16,1	17,0	17,3
	3H	16,8	17,5	17,2	17,9	18,3	17,0	17,8	17,5	18,2	18,6
	4H	17,5	18,2	18,0	18,6	19,1	17,5	18,2	18,0	18,6	19,1
	6H	18,1	18,9	18,5	19,3	19,8	17,6	18,4	18,1	18,9	19,3
	8H	18,7	19,2	19,2	19,7	20,2	18,0	18,5	18,5	19,0	19,5
	12H	18,9	19,5	19,3	20,0	20,5	17,8	18,5	18,3	18,9	19,4
8H	4H	17,7	18,2	18,2	18,7	19,1	17,7	18,2	18,2	18,7	19,2
	6H	18,9	19,1	19,5	19,5	20,1	18,2	18,6	18,7	19,1	19,6
	8H	19,1	19,4	19,6	19,9	20,5	18,3	18,7	18,8	19,2	19,7
	12H	19,3	19,8	19,8	20,3	20,9	18,1	18,7	18,7	19,2	19,7
12H	4H	17,5	18,1	17,9	18,6	19,1	17,5	18,1	18,0	18,6	19,1
	6H	18,4	19,0	18,9	19,4	20,0	18,0	18,5	18,5	19,0	19,5
	8H	18,9	19,4	19,4	19,9	20,4	18,2	18,7	18,7	19,2	19,7

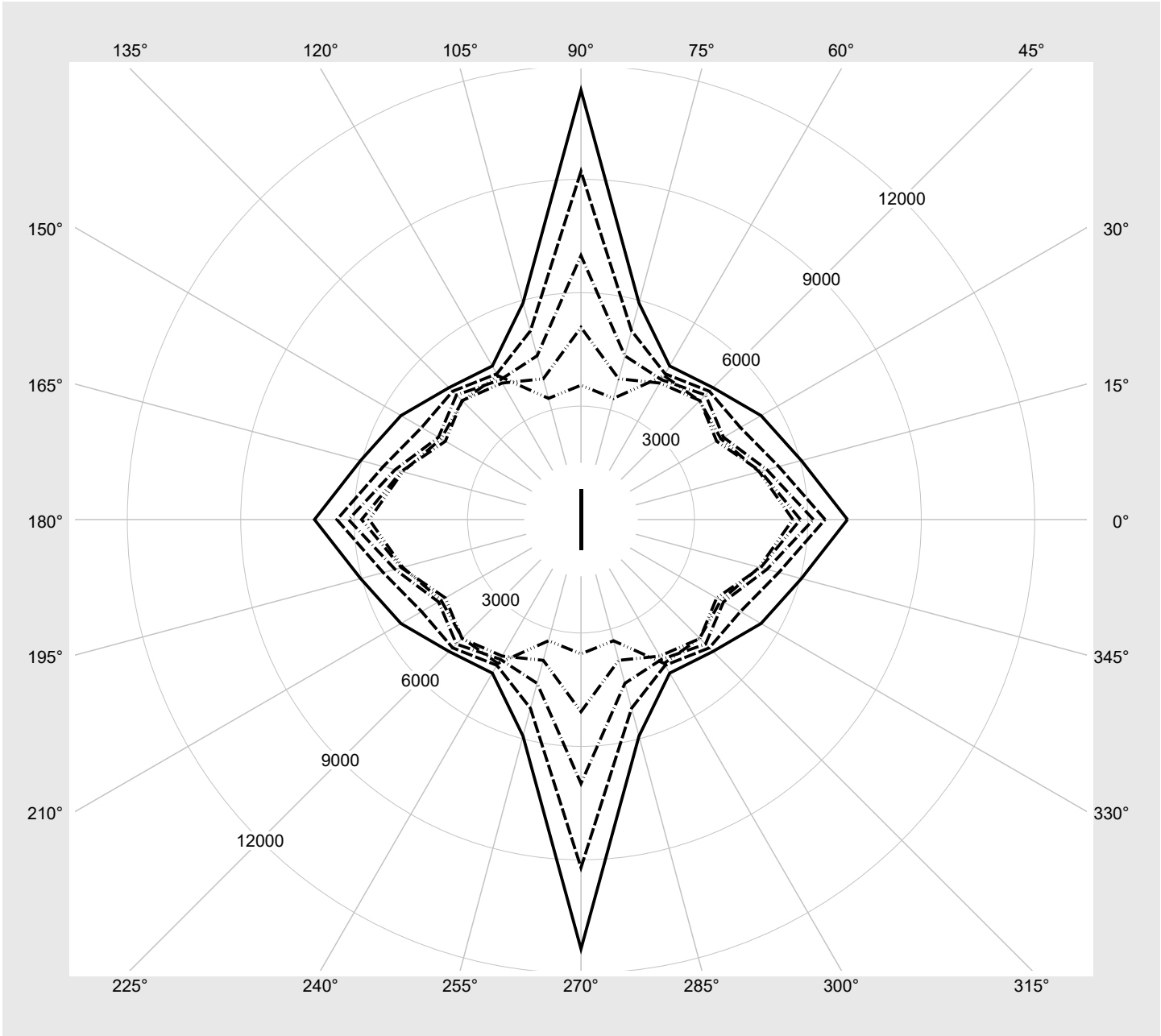
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13 H(C90) = 0	H(C180) = 13 H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		10719.4	9543.7	7478.3	6731.0	7516.4	10070.9	13642.9
50°		10149.0	8890.4	6863.0	5952.1	6246.7	8852.5	13620.5
55°		8943.7	7957.1	6445.9	5461.7	5516.6	7762.3	13425.9
60°		7904.6	6943.7	5995.9	5122.8	5020.2	6786.0	12785.1
65°		7048.9	6034.0	5499.5	4934.9	4690.2	5927.9	11357.1
70°		6455.8	5415.7	4868.3	4799.7	4451.6	5168.6	9208.0
75°		6148.8	5091.0	4353.2	4658.6	4268.4	4484.6	6982.9
80°		5804.3	4919.5	4143.5	4449.6	4169.3	3854.8	5082.5
85°		5602.7	4881.3	4273.0	4437.6	4394.8	3318.7	3553.2

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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	15550	87.3
95	240	252	14766	82.4
90	226	250	13970	77.5
85	213	248	13223	72.9
80	200	245	12467	68.3
75	186	243	11647	63.6
70	173	240	10878	59.1
65	160	237	10105	54.7
60	147	234	9324	50.2
55	134	231	8534	45.9
50	122	227	7801	41.9
45	109	223	7001	37.7
40	96	218	6192	33.4
35	84	213	5439	29.4
30	72	208	4678	25.7
25	60	201	3911	21.8
20	48	193	3136	17.9
15	36	182	2357	14.0
10	24	168	1572	10.1
5	12	142	779	6.4
2	4	102	248	4.0