

Lichttechnischer Prüfbefund

Familie
Licross® Protected



Bestell-Nr.: 51TS11VN4DXRD
EAN: 4058352534786

LP-Nummer
58525_47

Ausführung Prismenabdeckung, satiniert, eng strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI CLO
Einstellung AC-Betrieb
Bemessungswerte Nettolichtstrom = 13190 lm
 Systemleistung = 77.9 W
 Lichtausbeute = 169.3 lm/W

Seriendokumentation
02.08.2021

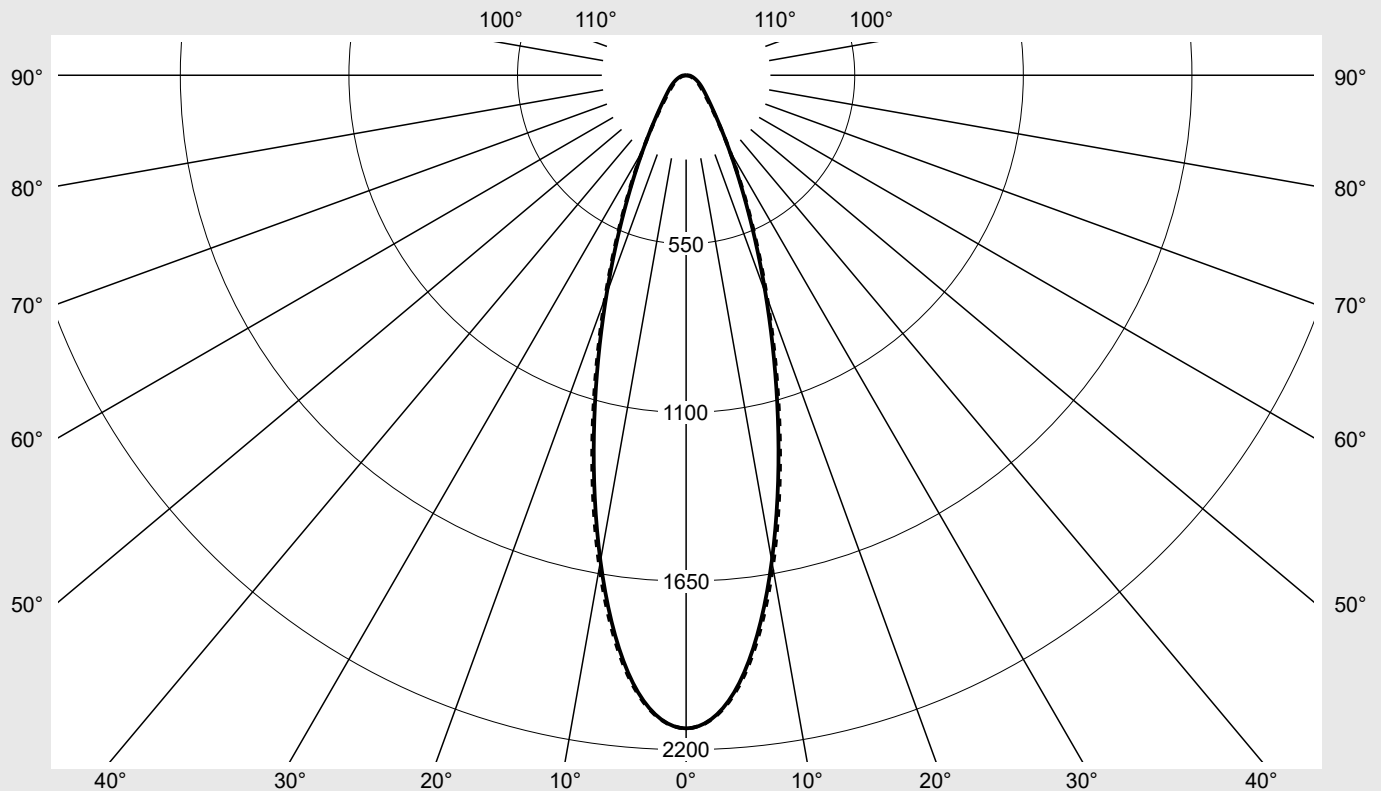
sitEco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 2130 cd/klm



Klassifizierungen

DIN 5040 A 7 1
 CIE N1=84 N2=94 N3=98
 N4=99 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 99,1%
 ϕ_o 0,9%

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°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
0°	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	12.7	12.7
5°	1990.0	1982.4	1972.8	1980.9	1991.5	1994.0	1997.3	94.9	107.6
10°	1609.4	1602.7	1594.9	1604.0	1616.7	1623.6	1628.9	153.3	260.9
15°	1156.5	1152.7	1146.1	1151.7	1161.7	1170.4	1176.7	164.3	425.2
20°	757.1	754.5	751.0	754.8	760.5	766.7	772.3	142.2	567.4
25°	464.1	463.3	461.4	464.7	468.5	471.4	475.4	108.1	675.5
30°	281.8	280.0	276.3	277.8	280.6	282.2	284.6	76.7	752.2
35°	178.8	175.8	169.5	168.1	169.9	172.0	174.0	54.1	806.3
40°	123.8	119.7	111.6	107.8	108.9	112.2	115.0	39.9	846.2
45°	92.5	87.9	79.0	74.1	74.5	78.8	82.8	31.1	877.3
50°	72.9	68.3	60.1	54.9	54.7	59.1	63.7	25.6	902.9
55°	58.5	54.5	47.8	42.9	42.0	45.8	50.2	21.5	924.4
60°	46.6	43.5	38.6	34.6	32.9	35.6	39.1	18.0	942.5
65°	36.7	34.5	31.1	28.0	26.1	27.3	29.5	14.9	957.4
70°	28.5	27.0	24.6	22.5	20.4	20.1	21.2	12.0	969.4
75°	21.8	20.7	19.0	17.5	15.4	14.0	14.0	9.2	978.6
80°	16.2	15.4	14.3	12.9	10.9	8.9	8.1	6.7	985.3
85°	11.7	11.2	10.3	9.1	7.1	4.7	3.5	4.6	989.8
90°	8.1	7.7	6.9	5.8	3.9	1.7	0.3	2.8	992.6
95°	6.9	6.6	5.8	4.7	3.0	1.1	0.2	2.3	994.8
100°	6.0	5.6	4.9	3.8	2.2	0.6	0.2	1.8	996.7
105°	5.1	4.8	4.0	2.9	1.5	0.3	0.2	1.4	998.1
110°	4.3	4.0	3.2	2.2	0.9	0.2	0.2	1.1	999.2
115°	3.6	3.2	2.5	1.6	0.5	0.3	0.3	0.8	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	17,0	18,2	17,4	18,5	18,9	16,7	17,9	17,0	18,2	18,5
	3H	18,1	19,2	18,5	19,5	19,9	17,6	18,6	18,0	19,0	19,3
	4H	18,6	19,6	19,0	19,9	20,3	18,0	18,9	18,4	19,3	19,7
	6H	19,1	20,0	19,5	20,3	20,7	18,2	19,1	18,7	19,5	19,9
	8H	19,4	20,1	19,8	20,5	20,9	18,4	19,2	18,8	19,6	20,0
	12H	19,6	20,3	20,0	20,7	21,1	18,5	19,2	18,9	19,6	20,0
4H	2H	17,3	18,3	17,7	18,6	19,0	17,0	17,9	17,4	18,3	18,7
	3H	18,6	19,4	19,0	19,8	20,2	18,0	18,9	18,5	19,3	19,7
	4H	19,2	19,9	19,6	20,3	20,8	18,5	19,3	19,0	19,7	20,1
	6H	19,8	20,4	20,3	20,9	21,3	18,9	19,5	19,4	20,0	20,4
	8H	20,1	20,7	20,6	21,1	21,6	19,1	19,6	19,5	20,1	20,5
	12H	20,4	20,9	20,9	21,3	21,8	19,2	19,6	19,7	20,1	20,6
8H	4H	19,4	19,9	19,9	20,4	20,9	18,8	19,3	19,3	19,8	20,3
	6H	20,1	20,6	20,6	21,1	21,6	19,3	19,7	19,8	20,2	20,7
	8H	20,5	20,9	21,0	21,4	21,9	19,5	19,9	20,0	20,4	20,9
	12H	20,9	21,2	21,4	21,8	22,3	19,7	20,0	20,2	20,5	21,0
12H	4H	19,4	19,9	19,9	20,3	20,8	18,8	19,3	19,3	19,8	20,3
	6H	20,2	20,6	20,7	21,1	21,6	19,4	19,8	19,9	20,3	20,8
	8H	20,6	20,9	21,1	21,5	22,0	19,6	20,0	20,2	20,5	21,0

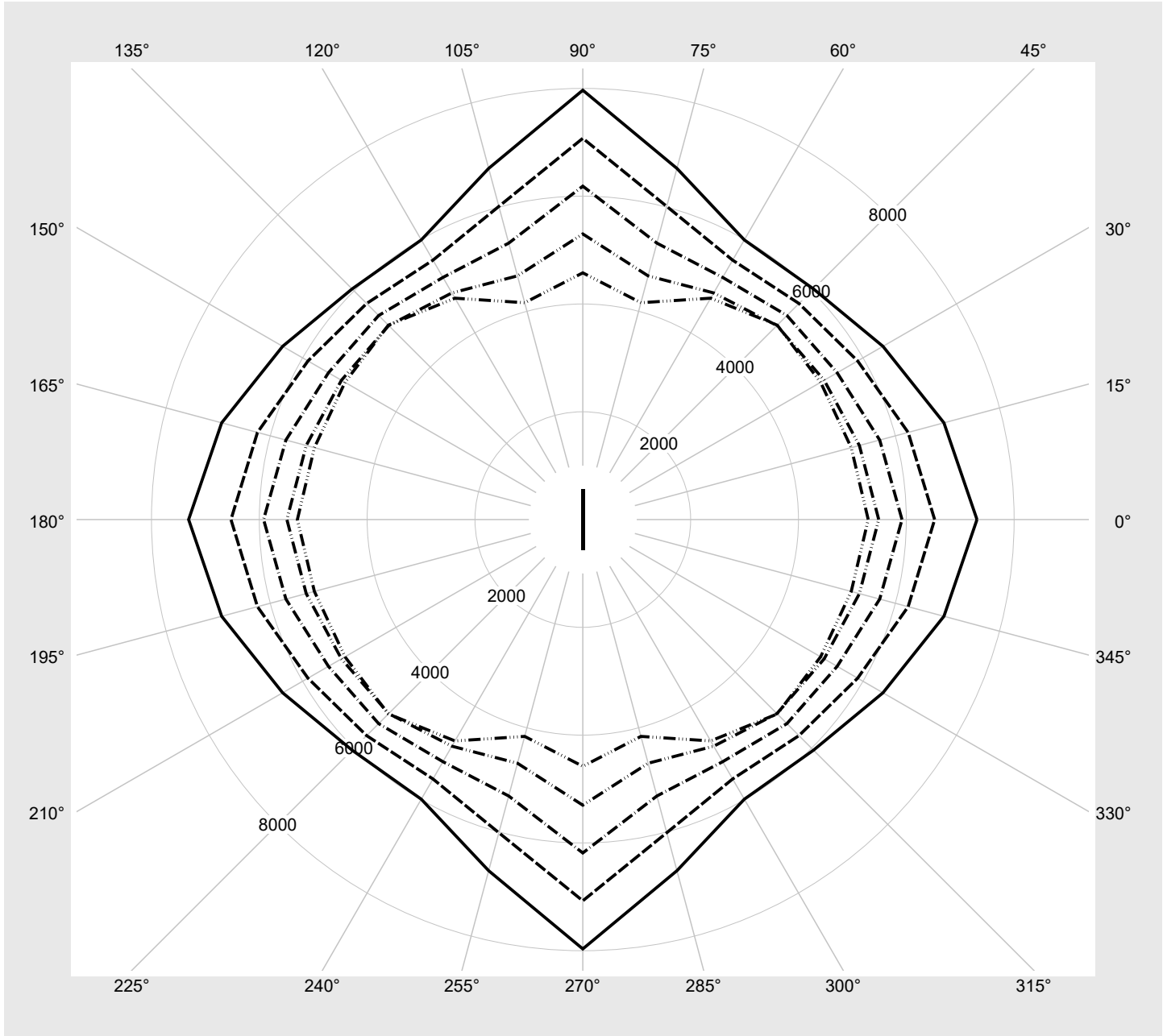
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		12815.5	12227.6	11157.7	10713.1	11116.0	12209.5	13371.4
50°		10812.0	10188.6	9121.0	8562.5	8837.5	9997.1	11315.3
55°		9418.9	8832.8	7893.4	7317.6	7471.7	8600.5	10001.8
60°		8272.0	7780.4	7056.4	6557.6	6578.7	7574.7	8935.0
65°		7311.2	6934.4	6428.6	6051.5	5991.6	6745.4	7966.7
70°		6525.7	6247.1	5886.2	5669.7	5558.1	6015.6	7073.9
75°		5920.5	5701.1	5447.6	5354.6	5188.1	5310.1	6186.2
80°		5488.6	5310.7	5169.2	5092.0	4855.6	4681.3	5299.4
85°		5294.0	5154.1	5093.4	5100.8	4743.0	4165.5	4577.9

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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] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	13190	77.9	84.2	81.1
95	240	252	12518	73.5	79.5	76.5
90	227	250	11887	69.5	75.2	72.4
85	213	248	11198	65.3	70.4	67.8
80	200	245	10556	61.3	66.2	63.8
75	187	243	9906	57.3	61.9	59.6
70	174	240	9251	53.4	57.6	55.5
65	161	237	8590	49.5	53.4	51.4
60	148	234	7920	45.6	49.1	47.4
55	135	231	7247	41.8	45.0	43.4
50	122	227	6572	38.0	40.8	39.4
45	110	223	5937	34.4	37.0	35.7
40	97	219	5250	30.6	32.8	31.7
35	85	214	4610	27.1	29.1	28.1
30	73	208	3962	23.6	25.3	24.5
25	61	202	3313	20.2	21.6	20.9
20	49	194	2656	16.7	17.8	17.2
15	37	183	1995	13.2	14.1	13.6
10	25	169	1333	10.0	10.5	10.2
5	13	145	673	6.5	6.8	6.6
2	6	117	294	4.5	4.6	4.6