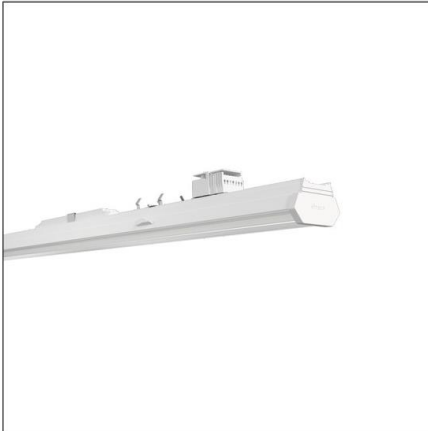


Lichttechnischer Prüfbefund

Familie
Licross® Protected



Bestell-Nr.: 51TP11DN4EXRD
EAN: 4058352418444

LP-Nummer
58525_15

Ausführung Prismenabdeckung, satiniert, eng strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Einstellung AC-Betrieb
Bemessungswerte Nettolichtstrom = 14140 lm
 Systemleistung = 84.2 W
 Lichtausbeute = 167.9 lm/W

Seriendokumentation
26.08.2020

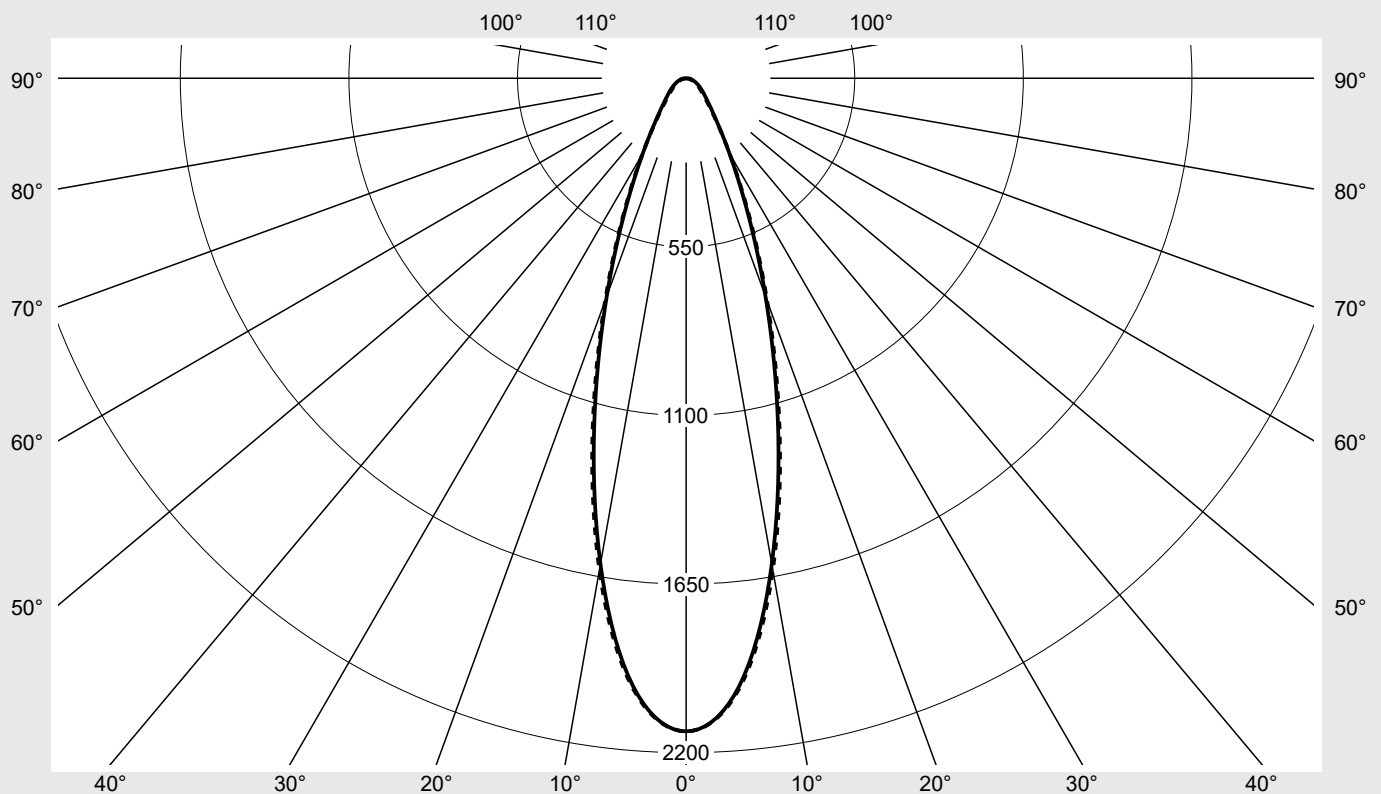
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Lichtstärke in cd/klm

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

Lichttechnischer Prüfbefund

Familie Licross® Protected	Bestell-Nr.: 51TP11DN4EXRD EAN: 4058352418444	LP-Nummer 58525_15
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°	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									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	17,3	18,5	17,6	18,8	19,1	16,9	18,1	17,3	18,4	18,7
	3H	18,3	19,4	18,7	19,7	20,1	17,8	18,9	18,2	19,2	19,6
	4H	18,8	19,8	19,2	20,2	20,6	18,2	19,2	18,6	19,5	19,9
	6H	19,3	20,2	19,7	20,6	21,0	18,5	19,4	18,9	19,7	20,1
	8H	19,6	20,4	20,1	20,8	21,2	18,7	19,4	19,1	19,8	20,2
	12H	19,8	20,5	20,3	20,9	21,3	18,7	19,4	19,1	19,8	20,2
4H	2H	17,5	18,5	17,9	18,9	19,2	17,2	18,2	17,6	18,5	18,9
	3H	18,8	19,6	19,2	20,0	20,4	18,3	19,1	18,7	19,5	19,9
	4H	19,4	20,2	19,9	20,6	21,0	18,8	19,5	19,2	19,9	20,4
	6H	20,1	20,7	20,5	21,1	21,6	19,2	19,8	19,6	20,2	20,7
	8H	20,4	20,9	20,8	21,4	21,8	19,3	19,9	19,8	20,3	20,8
	12H	20,7	21,1	21,1	21,6	22,1	19,4	19,9	19,9	20,3	20,8
8H	4H	19,6	20,2	20,1	20,6	21,1	19,0	19,6	19,5	20,0	20,5
	6H	20,4	20,8	20,9	21,3	21,8	19,5	20,0	20,0	20,5	21,0
	8H	20,7	21,2	21,3	21,6	22,2	19,7	20,1	20,2	20,6	21,2
	12H	21,2	21,5	21,7	22,0	22,5	19,9	20,2	20,4	20,7	21,3
12H	4H	19,6	20,1	20,1	20,6	21,1	19,1	19,5	19,6	20,0	20,5
	6H	20,4	20,8	20,9	21,3	21,8	19,6	20,0	20,1	20,5	21,0
	8H	20,9	21,2	21,4	21,7	22,2	19,9	20,2	20,4	20,7	21,3

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°		13738.5	13108.3	11961.3	11484.7	11916.6	13088.9	14334.5	
50°		11590.7	10922.4	9778.0	9179.2	9474.0	10717.1	12130.3	
55°		10097.2	9469.0	8461.9	7844.6	8009.9	9219.9	10722.2	
60°		8867.7	8340.8	7564.7	7029.9	7052.5	8120.3	9578.6	
65°		7837.8	7433.9	6891.6	6487.3	6423.1	7231.3	8540.5	
70°		6995.8	6697.0	6310.1	6078.1	5958.5	6448.8	7583.4	
75°		6346.9	6111.7	5839.9	5740.2	5561.7	5692.6	6631.7	
80°		5883.9	5693.2	5541.6	5458.7	5205.3	5018.4	5681.1	
85°		5675.2	5525.4	5460.3	5468.2	5084.6	4465.5	4907.6	

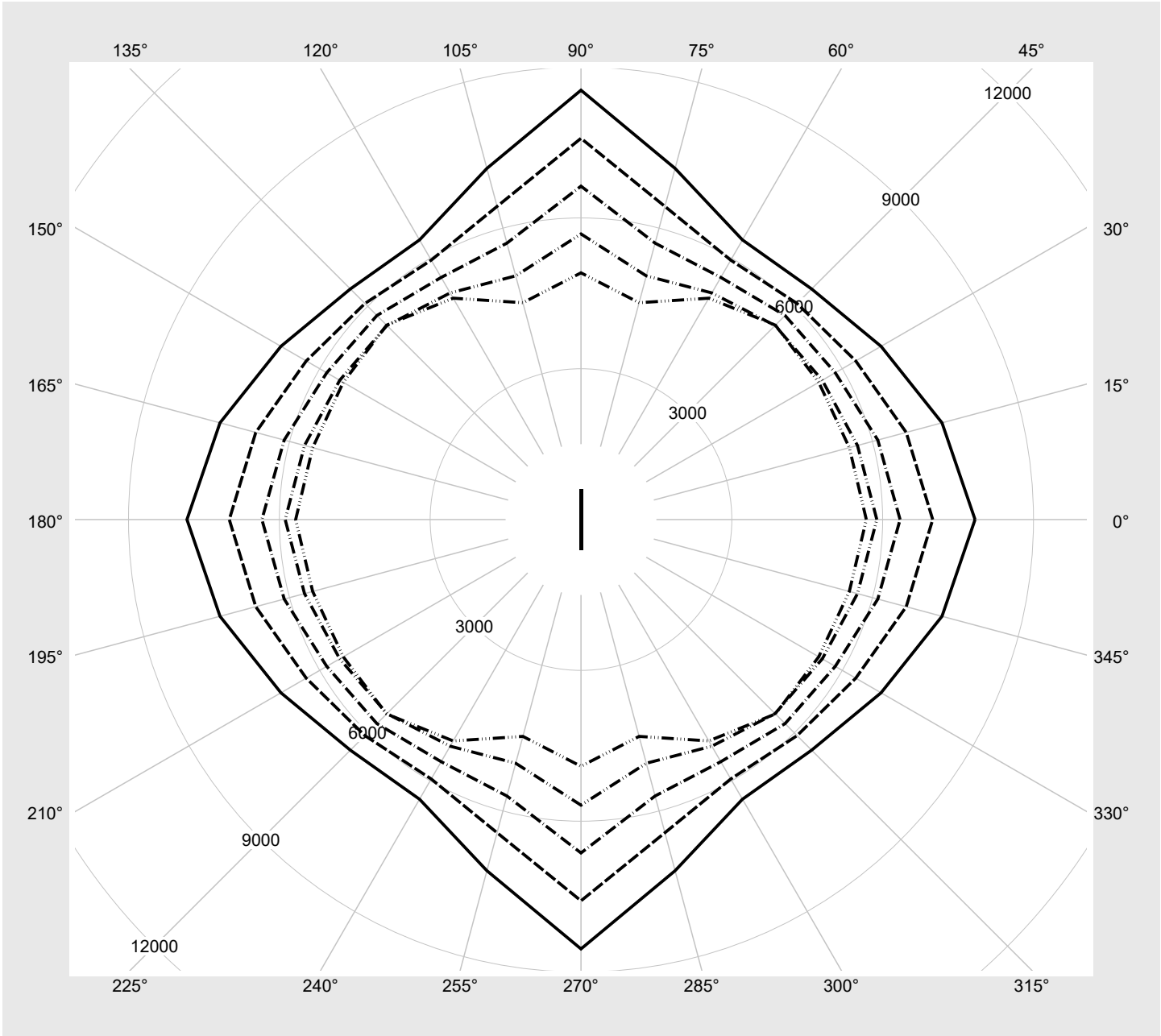
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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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Lichttechnischer Prüfbefund

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Dimmstufen-Tabelle		Umgebungstemperatur: 25°C



Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	14140	84.2
95	241	252	13427	79.4
90	227	250	12714	74.9
85	214	248	12027	70.4
80	200	245	11286	65.7
75	187	243	10598	61.5
70	174	240	9882	57.2
65	161	237	9194	53.1
60	148	234	8478	48.9
55	135	231	7762	44.7
50	122	227	7045	40.7
45	110	223	6355	36.7
40	98	219	5665	32.8
35	85	214	4949	29.0
30	73	208	4259	25.1
25	60	201	3510	21.3
20	49	194	2848	17.6
15	36	182	2099	13.6
10	25	169	1438	10.5
5	13	145	747	6.8