

Lichttechnischer Prüfbefund

Familie
Licross® 21 Protected

Bestell-Nr.: 52TP11DN4DXS
EAN: 4058352903759

LP-Nummer
58525_151

Ausführung Prismenabdeckung, satiniert, eng strahlend

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte
Nettolichtstrom = 13000 lm
Systemleistung = 73.1 W
Lichtausbeute = 177.8 lm/W

Seriendokumentation
03.08.2023

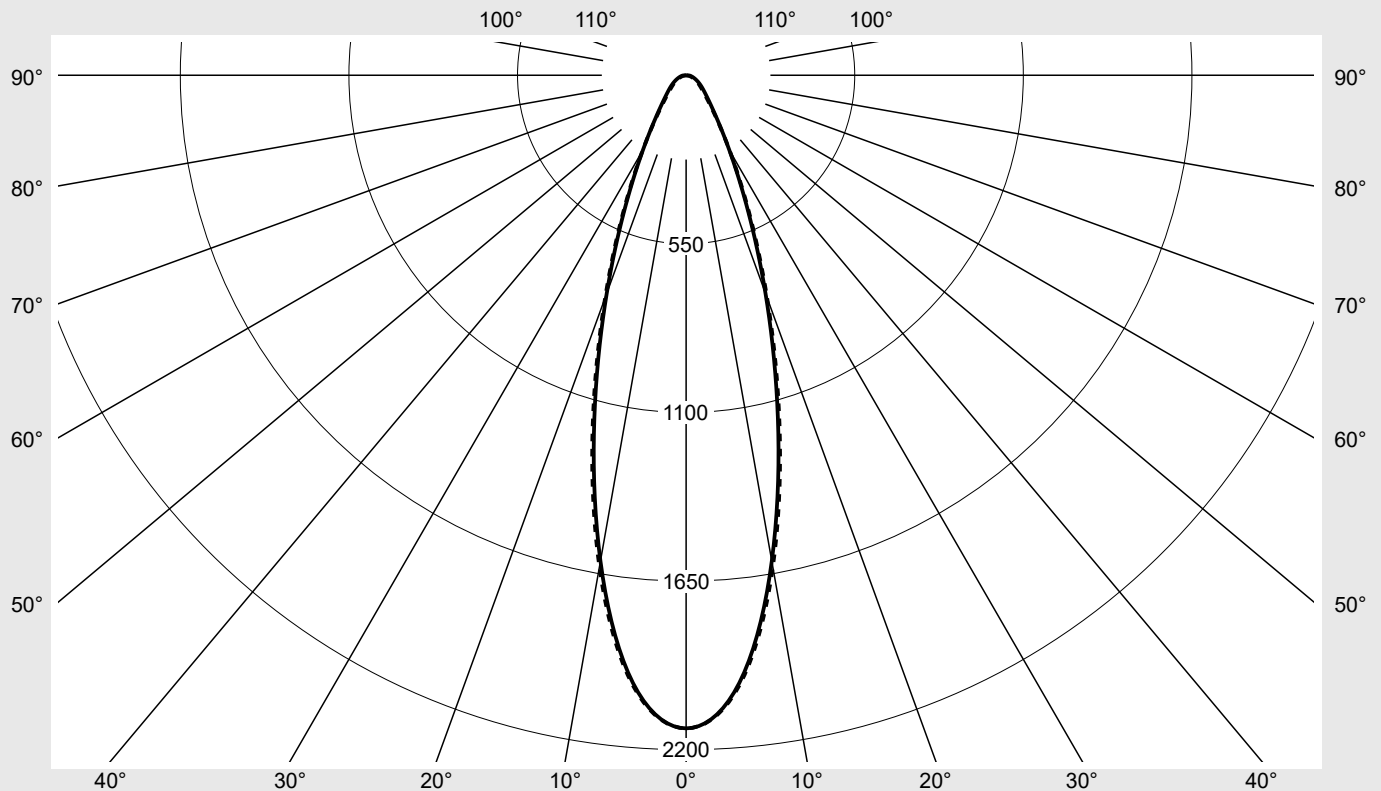
siteco

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

Lichttechnischer Prüfbefund

Familie Licross® 21 Protected	Bestell-Nr.: 52TP11DN4DXS EAN: 4058352903759	LP-Nummer 58525_151
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

Lichttechnischer Prüfbefund

Familie Licross® 21 Protected	Bestell-Nr.: 52TP11DN4DXS EAN: 4058352903759	LP-Nummer 58525_151
---	---	-------------------------------

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

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
--	--	------------------------	---------------------------

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°		12630.9	12051.5	10997.0	10558.7	10955.9	12033.6	13178.8	
50°		10656.3	10041.8	8989.6	8439.2	8710.2	9853.1	11152.3	
55°		9283.2	8705.6	7779.7	7212.2	7364.1	8476.6	9857.7	
60°		8152.8	7668.3	6954.8	6463.1	6483.9	7465.6	8806.3	
65°		7205.9	6834.5	6336.0	5964.3	5905.3	6648.3	7851.9	
70°		6431.7	6157.1	5801.4	5588.0	5478.1	5928.9	6972.0	
75°		5835.2	5618.9	5369.1	5277.5	5113.3	5233.6	6097.1	
80°		5409.5	5234.2	5094.8	5018.6	4785.6	4613.8	5223.1	
85°		5217.7	5079.9	5020.0	5027.3	4674.7	4105.4	4512.0	

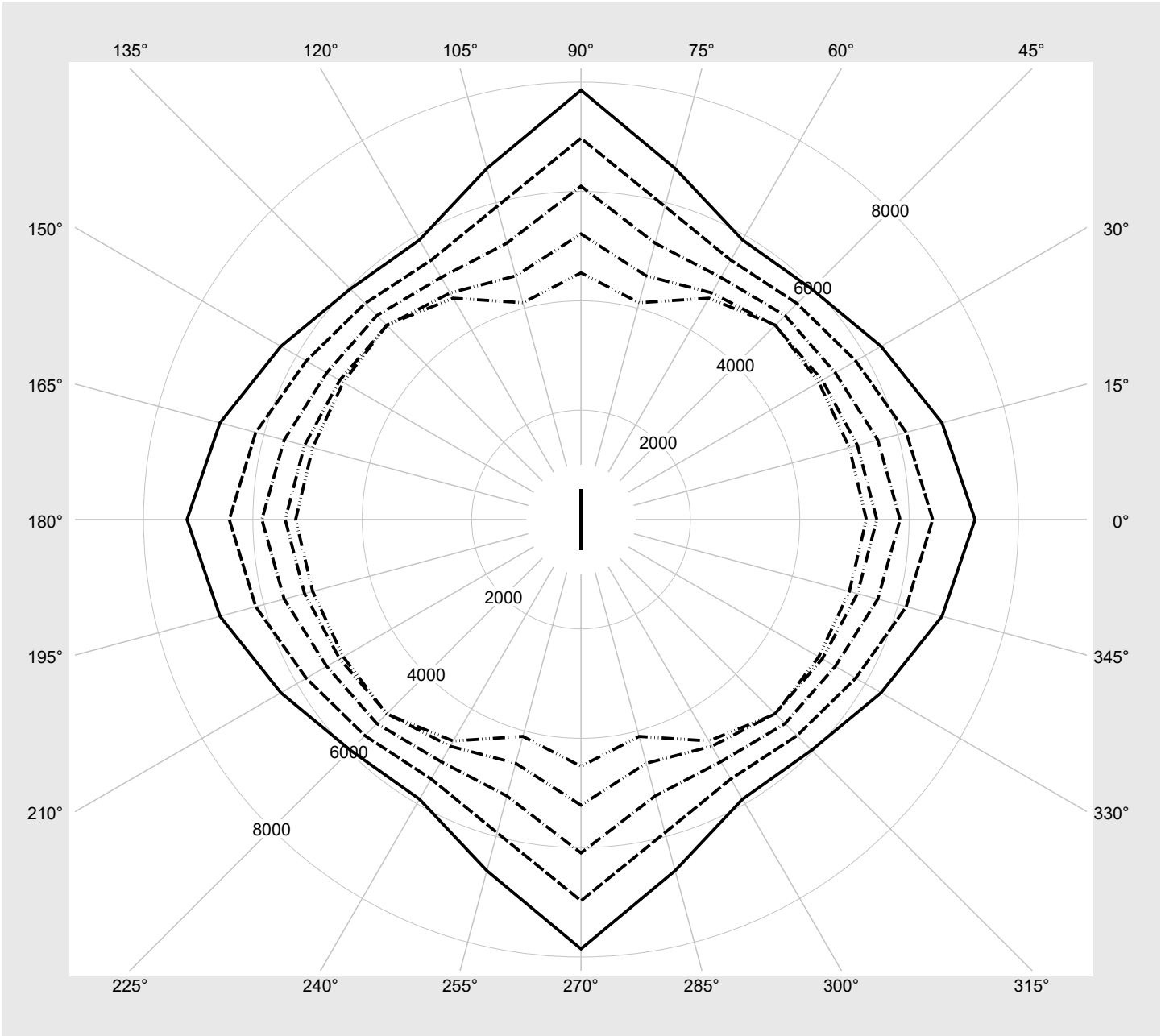
Lichttechnischer Prüfbefund

Familie Licross® 21 Protected	Bestell-Nr.: 52TP11DN4DXS EAN: 4058352903759	LP-Nummer 58525_151
--	---	--------------------------------------

Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
--------------	--------------	--------------	--------------	--------------

siteco



Lichttechnischer Prüfbefund

Familie Licross® 21 Protected	Bestell-Nr.: 52TP11DN4DXS EAN: 4058352903759	LP-Nummer 58525_151
---	---	--------------------------------------

Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
---------------------------	---------------------------	---------------

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	13000	73.1
95	240	252	12331	69.1
90	227	250	11701	65.3
85	214	248	11070	61.7
80	200	245	10383	57.8
75	187	243	9738	54.1
70	174	240	9088	50.5
65	161	237	8437	46.8
60	148	234	7778	43.1
55	136	231	7165	39.7
50	123	227	6500	36.2
45	110	223	5826	32.6
40	98	219	5200	29.3
35	86	214	4574	26.2
30	73	208	3888	22.6
25	61	202	3251	19.3
20	49	194	2613	16.2
15	37	183	1970	12.9
10	25	169	1324	9.5
5	13	145	676	6.3
2	5	110	240	4.4