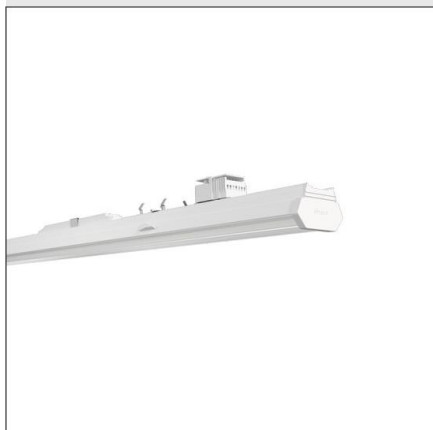


Lichttechnischer Prüfbefund

Familie
Licross® Protected

Bestell-Nr.: 51TP12DN4EXL
EAN: 4058352210352

LP-Nummer
58523_15



Ausführung Prismenabdeckung, satiniert, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 14070 lm
 Systemleistung = 86.1 W
 Lichtausbeute = 163.4 lm/W

Seriendokumentation
12.12.2019

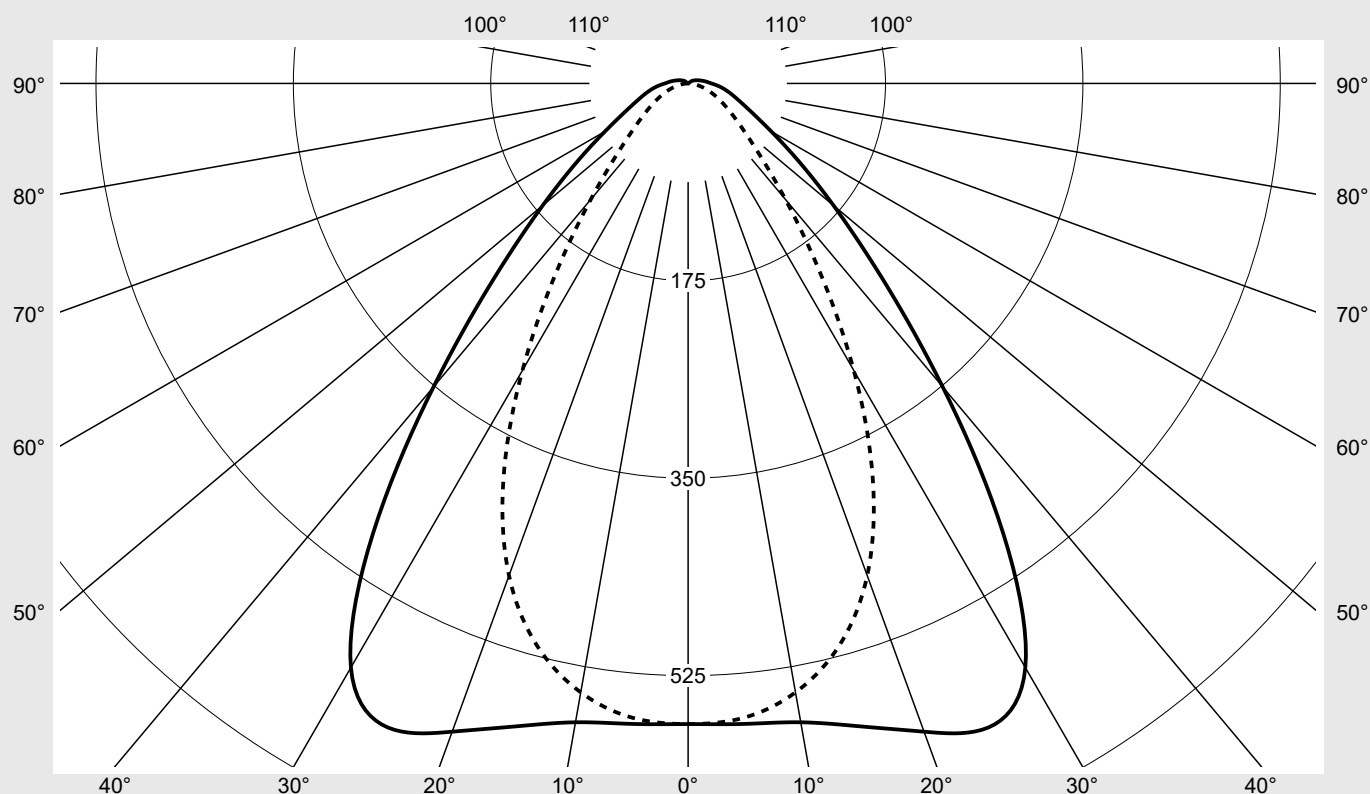
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 630 cd/klm



Klassifizierungen

DIN 5040 A 5 1
 CIE N1=70 N2=91 N3=97
 N4=98 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 98,3%
 ϕ_o 1,7%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Licross® Protected	Bestell-Nr.: 51TP12DN4EXL EAN: 4058352210352	LP-Nummer 58523_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°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
0°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	3.4	3.4
5°	570.0	568.0	563.9	564.4	565.6	564.2	564.6	27.0	30.4
10°	575.1	572.9	563.4	557.9	553.3	549.0	548.2	53.3	83.7
15°	590.1	586.0	566.8	548.5	532.2	519.9	516.5	78.2	161.9
20°	611.6	603.6	568.7	531.0	496.5	471.9	464.3	100.3	262.2
25°	630.0	617.6	564.2	499.9	441.6	401.0	387.5	117.1	379.3
30°	598.0	589.4	536.5	452.4	368.0	311.9	293.8	123.5	502.8
35°	487.1	490.1	463.2	383.1	284.6	222.1	203.0	114.7	617.4
40°	351.1	360.8	359.1	297.2	205.7	150.3	134.3	94.9	712.3
45°	241.7	250.7	257.1	211.9	140.4	100.6	89.9	72.8	785.1
50°	168.3	174.0	178.9	144.5	94.4	69.8	63.7	54.4	839.5
55°	118.9	121.8	123.3	97.4	64.6	50.4	47.5	40.5	880.0
60°	85.1	85.8	84.4	66.1	45.7	37.4	36.1	30.1	910.0
65°	63.8	62.6	58.2	45.7	33.4	28.1	27.2	22.6	932.7
70°	50.4	47.7	40.8	32.1	24.8	20.7	19.9	17.3	949.9
75°	41.3	37.6	29.5	22.7	17.9	14.5	13.5	13.2	963.2
80°	34.0	30.0	21.9	15.9	12.4	9.4	8.0	10.0	973.1
85°	27.2	23.7	16.4	11.2	8.0	5.3	3.6	7.3	980.4
90°	20.7	17.9	12.0	7.4	4.6	2.2	0.4	5.0	985.4
95°	16.6	14.7	10.2	6.3	3.6	1.3	0.3	4.0	989.4
100°	13.2	11.9	8.5	5.2	2.7	0.8	0.3	3.2	992.6
105°	10.4	9.5	6.9	4.1	1.9	0.4	0.3	2.5	995.1
110°	8.2	7.4	5.5	3.1	1.2	0.3	0.3	1.9	997.0
115°	6.5	5.8	4.2	2.2	0.7	0.4	0.4	1.4	998.4
120°	4.9	4.3	3.0	1.4	0.6	0.5	0.5	1.0	999.4
125°	3.5	3.0	2.0	0.9	0.6	0.5	0.5	0.7	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® Protected	Bestell-Nr.: 51TP12DN4EXL EAN: 4058352210352	LP-Nummer 58523_15
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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	23,2	24,6	23,5	24,9	25,2	19,0	20,4	19,3	20,8	21,1
	3H	23,8	25,0	24,1	25,4	25,7	19,4	20,7	19,8	21,1	21,4
	4H	24,1	25,3	24,5	25,6	26,0	19,6	20,8	20,0	21,2	21,6
	6H	24,5	25,6	24,9	25,9	26,3	19,8	20,9	20,2	21,3	21,7
	8H	24,8	25,7	25,2	26,1	26,5	19,8	20,9	20,3	21,3	21,7
	12H	25,0	25,9	25,5	26,3	26,7	19,9	20,9	20,3	21,3	21,7
4H	2H	23,2	24,4	23,6	24,8	25,1	19,7	20,8	20,1	21,2	21,6
	3H	23,9	25,0	24,4	25,3	25,8	20,2	21,2	20,6	21,6	22,0
	4H	24,4	25,3	24,8	25,7	26,1	20,5	21,4	20,9	21,8	22,2
	6H	25,0	25,7	25,4	26,2	26,6	20,7	21,5	21,2	21,9	22,4
	8H	25,3	26,0	25,7	26,4	26,9	20,8	21,5	21,2	22,0	22,4
	12H	25,7	26,2	26,1	26,7	27,2	20,8	21,5	21,3	22,0	22,4
8H	4H	24,4	25,1	24,9	25,6	26,0	20,8	21,5	21,3	21,9	22,4
	6H	25,1	25,6	25,5	26,1	26,6	21,1	21,7	21,6	22,2	22,7
	8H	25,5	26,0	26,0	26,5	27,0	21,2	21,8	21,7	22,3	22,8
	12H	26,0	26,4	26,5	26,9	27,4	21,4	21,8	21,9	22,3	22,8
12H	4H	24,4	25,0	24,9	25,5	26,0	20,9	21,5	21,4	21,9	22,4
	6H	25,1	25,6	25,6	26,1	26,6	21,3	21,7	21,8	22,2	22,8
	8H	25,5	25,9	26,0	26,4	27,0	21,4	21,9	22,0	22,4	22,9

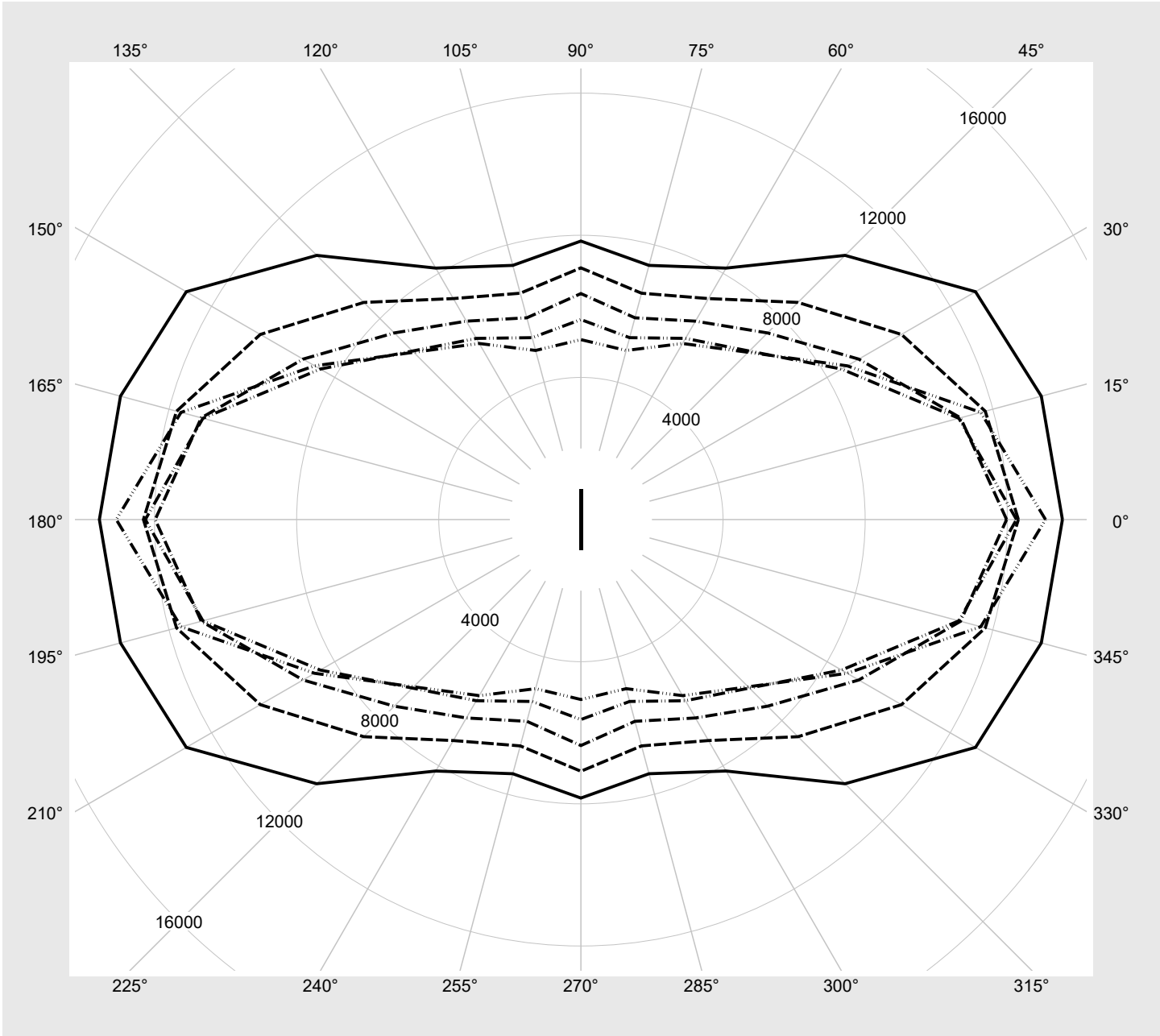
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		35710.9	37214.2	38731.4	32668.1	22337.1	16623.8	15501.6	
50°		26625.6	27685.2	28951.0	24024.6	16279.6	12579.3	12081.6	
55°		20404.2	21051.1	21730.4	17712.2	12264.7	10082.4	10098.6	
60°		16096.0	16362.8	16454.4	13385.5	9731.9	8478.4	8790.6	
65°		13551.9	13415.0	12823.7	10513.6	8171.0	7405.1	7837.2	
70°		12312.2	11781.5	10418.5	8641.7	7180.8	6594.0	7082.6	
75°		11981.2	11061.1	9030.1	7427.6	6446.9	5877.8	6359.2	
80°		12259.5	11013.0	8470.5	6706.0	5886.8	5299.2	5627.7	
85°		13076.4	11651.4	8653.0	6656.6	5721.2	4926.7	5063.7	

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



Lichttechnischer Prüfbefund

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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	14070	86.1
95	240	252	13370	81.3
90	226	250	12667	76.6
85	212	247	11963	71.9
80	199	245	11259	67.3
75	186	243	10556	62.9
70	172	240	9852	58.4
65	159	237	9148	54.1
60	146	234	8444	49.8
55	134	231	7741	45.6
50	121	227	7037	41.5
45	109	223	6333	37.4
40	96	219	5630	33.4
35	84	214	4926	29.5
30	72	208	4222	25.6
25	60	201	3519	21.7
20	48	193	2815	18.0
15	36	183	2111	14.1
10	24	169	1407	10.3
5	12	144	703	6.8