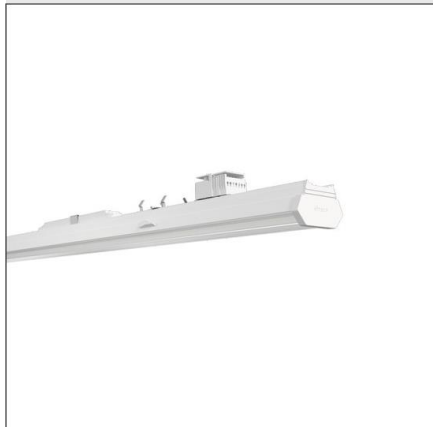


Lichttechnischer Prüfbefund

Familie

Licross® 21 Protected



Bestell-Nr.: 52TP12DN4E5M3S4

EAN: 4058352908426

LP-Nummer

58523_192

Seriendokumentation

17.08.2023

Ausführung	Prismenabdeckung, satiniert, breit strahlend
Bestückung	LED 4000 K CRI ≥ 80
Betriebsgerät	EVG-DALI
Einstellung	AC-Betrieb
Bemessungswerte	Nettolichtstrom = 14690 lm Systemleistung = 88.7 W Lichtausbeute = 165.6 lm/W

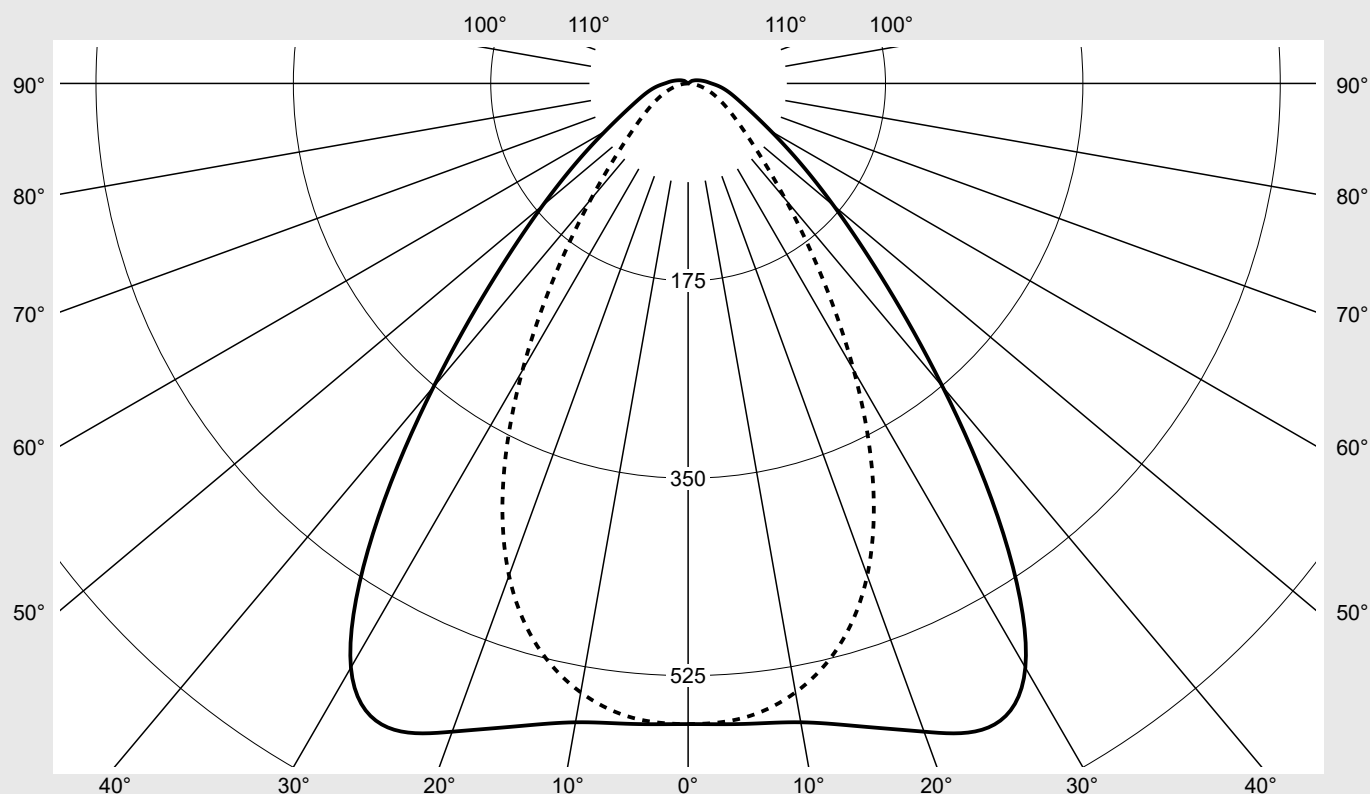
siteco

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® 21 Protected	Bestell-Nr.: 52TP12DN4E5M3S4 EAN: 4058352908426	LP-Nummer 58523_192
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® 21 Protected	Bestell-Nr.: 52TP12DN4E5M3S4 EAN: 4058352908426	LP-Nummer 58523_192
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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	23,3	24,8	23,7	25,1	25,4	19,1	20,6	19,5	20,9	21,2
	3H	23,9	25,2	24,3	25,5	25,9	19,6	20,9	19,9	21,2	21,6
	4H	24,3	25,4	24,6	25,8	26,2	19,8	21,0	20,1	21,3	21,7
	6H	24,7	25,7	25,1	26,1	26,5	19,9	21,0	20,3	21,4	21,8
	8H	25,0	25,9	25,4	26,3	26,7	20,0	21,0	20,4	21,4	21,8
	12H	25,2	26,1	25,6	26,4	26,9	20,0	21,0	20,5	21,4	21,8
4H	2H	23,3	24,6	23,7	24,9	25,3	19,8	21,0	20,2	21,3	21,7
	3H	24,1	25,1	24,5	25,5	25,9	20,4	21,4	20,8	21,8	22,2
	4H	24,5	25,4	25,0	25,9	26,3	20,6	21,5	21,1	21,9	22,4
	6H	25,1	25,9	25,6	26,3	26,8	20,8	21,6	21,3	22,1	22,5
	8H	25,4	26,1	25,9	26,6	27,0	20,9	21,7	21,4	22,1	22,6
	12H	25,8	26,4	26,3	26,8	27,3	21,0	21,6	21,5	22,1	22,6
8H	4H	24,5	25,3	25,0	25,7	26,2	20,9	21,6	21,4	22,1	22,6
	6H	25,2	25,8	25,7	26,3	26,8	21,3	21,8	21,8	22,3	22,8
	8H	25,6	26,1	26,1	26,6	27,1	21,4	21,9	21,9	22,4	22,9
	12H	26,1	26,5	26,6	27,0	27,6	21,5	22,0	22,0	22,5	23,0
12H	4H	24,5	25,2	25,0	25,6	26,1	21,1	21,6	21,5	22,1	22,6
	6H	25,2	25,7	25,7	26,2	26,7	21,4	21,9	21,9	22,4	22,9
	8H	25,6	26,1	26,2	26,6	27,1	21,6	22,0	22,1	22,5	23,0

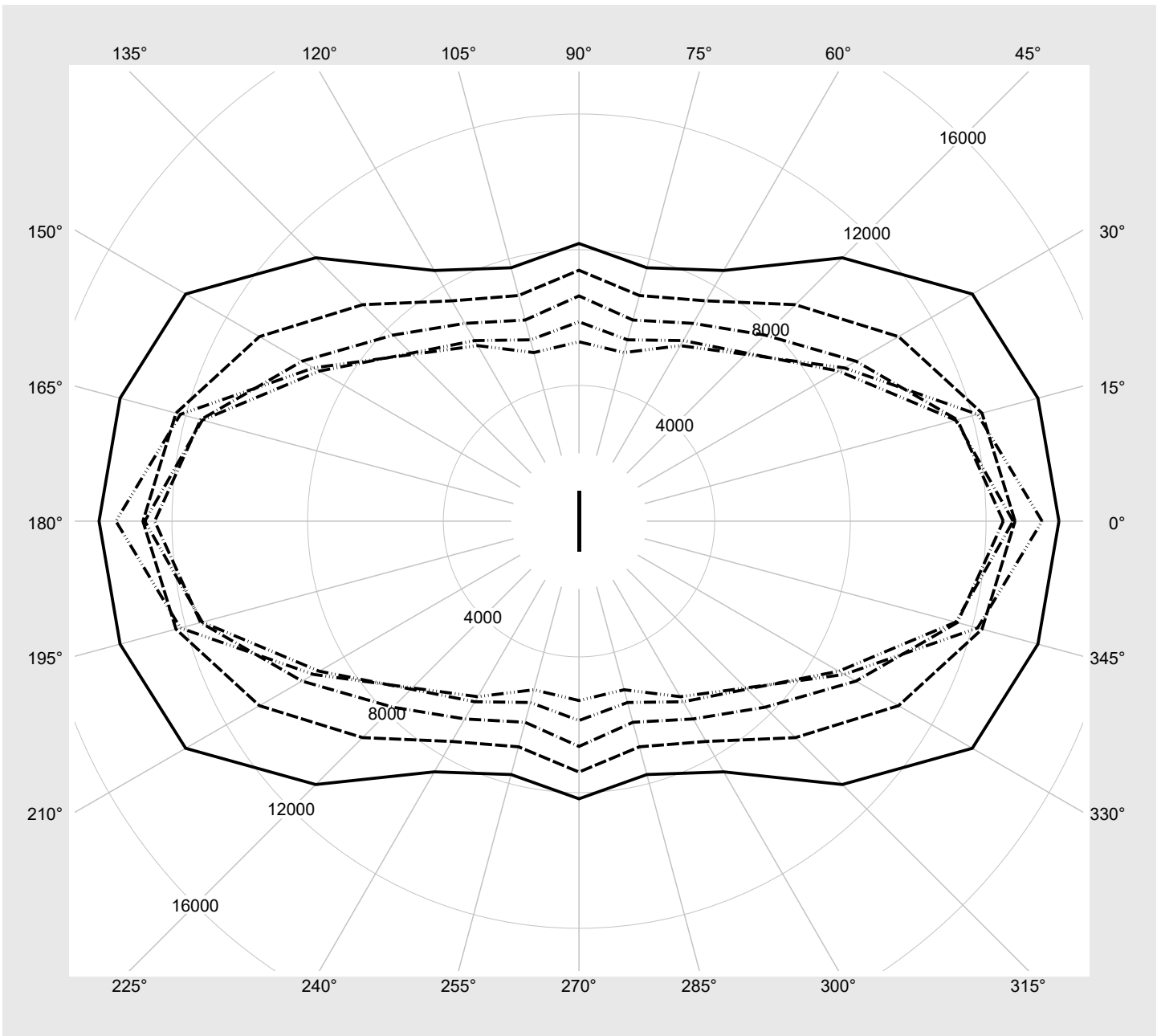
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13 H(C90) = 0	H(C180) = 13 H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		37284.5	38854.0	40438.1	34107.6	23321.4	17356.4	16184.7
50°		27798.9	28905.2	30226.8	25083.2	16996.9	13133.6	12614.0
55°		21303.3	21978.8	22688.0	18492.7	12805.1	10526.7	10543.6
60°		16805.3	17083.8	17179.5	13975.4	10160.7	8852.0	9177.9
65°		14149.1	14006.1	13388.8	10976.9	8531.1	7731.4	8182.5
70°		12854.7	12300.6	10877.6	9022.5	7497.2	6884.6	7394.7
75°		12509.2	11548.6	9428.0	7754.9	6731.0	6136.8	6639.4
80°		12799.7	11498.2	8843.8	7001.5	6146.3	5532.7	5875.7
85°		13652.6	12164.8	9034.3	6949.9	5973.3	5143.8	5286.9

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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]
100	254	254	14690	88.7
95	240	252	13945	83.9
90	227	250	13245	79.6
85	213	248	12484	74.9
80	200	245	11771	70.6
75	186	243	10993	66.0
70	173	240	10264	61.8
65	160	237	9527	57.5
60	148	234	8841	53.6
55	135	231	8094	49.3
50	122	227	7340	45.2
45	110	223	6637	41.3
40	97	219	5869	37.1
35	85	214	5155	33.3
30	72	208	4378	29.3
25	60	201	3654	25.4
20	48	193	2925	21.7
15	36	182	2191	17.9
10	24	168	1457	14.1
5	12	142	715	10.4
1	4	102	217	8.1