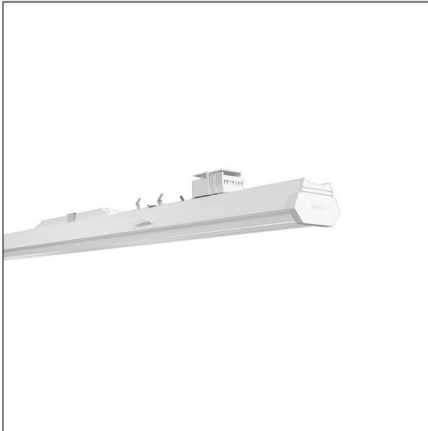


Lichttechnischer Prüfbefund

Familie
Licross® Protected



Bestell-Nr.: 51TP13DN4EXR
EAN: 4058352210611

LP-Nummer
58527_10

Ausführung Prismenabdeckung, satiniert, extrem eng strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 14170 lm
Systemleistung = 84.2 W
Lichtausbeute = 168.3 lm/W

Seriendokumentation
12.12.2019

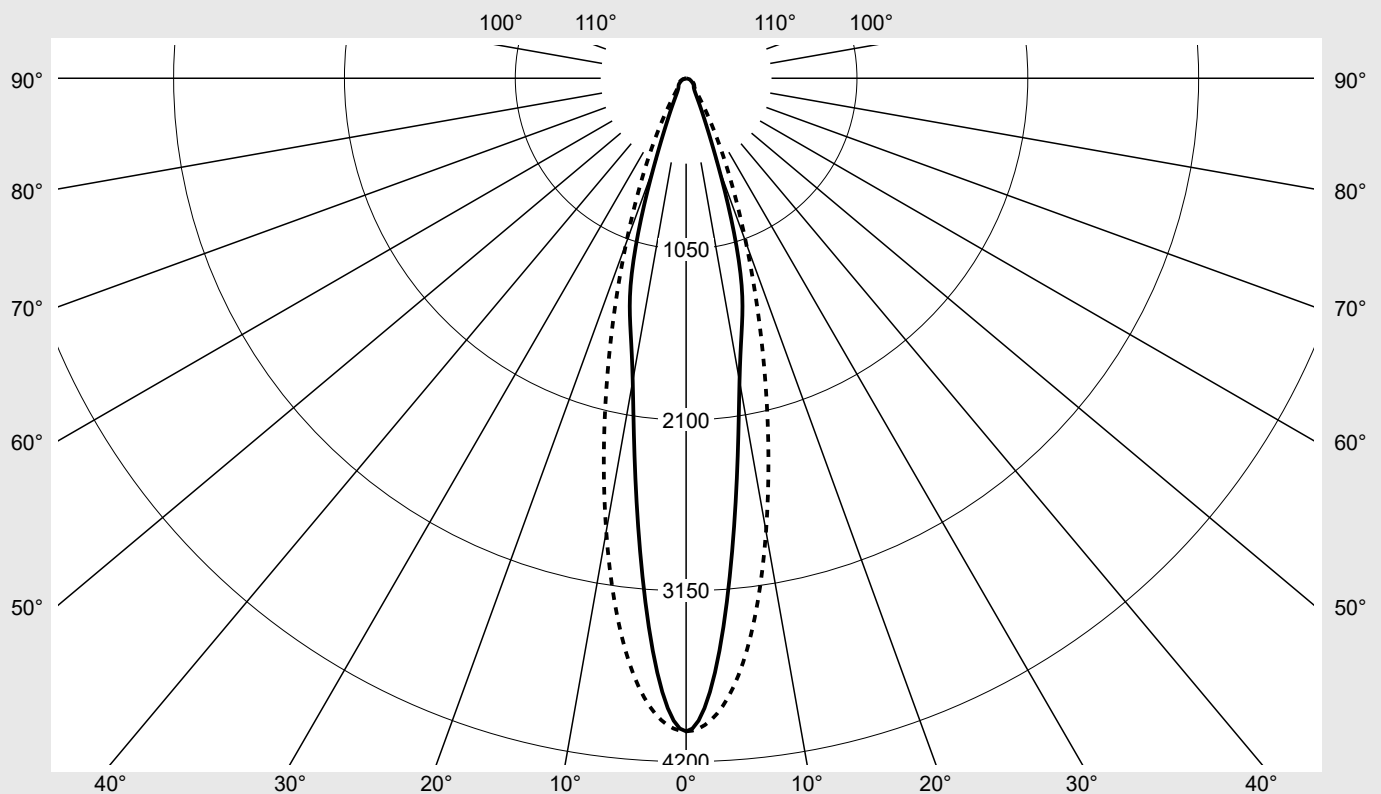
sitEco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 4014 cd/klm



Klassifizierungen

DIN 5040 A 8 1
CIE N1=89 N2=96 N3=99
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 99,7%
 ϕ_o 0,3%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Licross® Protected	Bestell-Nr.: 51TP13DN4EXR EAN: 4058352210611	LP-Nummer 58527_10
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°	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	24.0	24.0
5°	3075.0	3073.4	3140.6	3286.7	3470.0	3619.0	3684.9	159.0	183.0
10°	1889.9	1876.2	1856.5	1927.7	2182.7	2591.5	2828.1	203.0	386.0
15°	1318.5	1331.1	1324.1	1227.2	1167.4	1498.4	1861.2	192.4	578.4
20°	585.4	606.8	689.8	798.0	693.5	737.0	1075.9	136.1	714.5
25°	239.7	246.3	276.4	361.8	426.5	351.4	567.8	79.8	794.2
30°	128.7	127.4	129.3	152.0	214.6	178.7	273.1	45.8	840.1
35°	88.6	83.8	76.3	80.1	101.4	103.4	134.8	29.2	869.2
40°	73.1	66.6	55.1	52.3	60.4	70.8	85.4	22.6	891.8
45°	65.6	58.2	44.9	39.5	42.7	55.1	71.6	20.0	911.8
50°	58.1	50.6	38.4	32.4	32.8	44.4	65.0	18.2	930.0
55°	47.1	41.7	33.1	27.2	26.3	35.1	57.2	16.1	946.1
60°	37.8	33.0	27.8	22.9	21.3	27.1	47.5	13.8	959.9
65°	30.0	25.5	22.6	19.4	17.3	20.3	35.6	11.4	971.3
70°	23.9	19.8	17.3	16.1	13.9	14.7	23.4	9.1	980.4
75°	19.2	15.7	12.9	12.9	10.8	10.0	13.4	6.9	987.3
80°	14.6	12.1	9.7	9.6	7.9	6.2	6.6	5.0	992.4
85°	10.5	9.0	7.3	6.7	5.6	3.2	2.3	3.5	995.8
90°	7.5	6.5	5.5	4.5	3.7	1.4	0.2	2.3	998.2
95°	6.1	5.4	4.5	3.6	2.8	0.8	0.2	1.8	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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® Protected	Bestell-Nr.: 51TP13DN4EXR EAN: 4058352210611	LP-Nummer 58527_10
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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	14,7	15,8	15,1	16,1	16,4	15,2	16,3	15,6	16,6	17,0
	3H	16,3	17,1	16,7	17,4	17,8	16,8	17,5	17,2	17,8	18,2
	4H	16,7	17,6	17,1	18,0	18,3	16,9	17,8	17,3	18,2	18,5
	6H	17,1	18,1	17,6	18,5	18,9	17,0	18,0	17,4	18,3	18,7
	8H	17,8	18,4	18,2	18,8	19,2	17,1	18,0	17,5	18,4	18,8
	12H	17,8	18,6	18,2	19,0	19,4	17,1	17,9	17,5	18,3	18,8
4H	2H	14,9	15,8	15,3	16,2	16,6	15,4	16,3	15,8	16,6	17,0
	3H	16,4	17,2	16,9	17,6	18,0	16,7	17,5	17,2	17,9	18,3
	4H	17,2	17,9	17,7	18,3	18,7	17,2	17,9	17,7	18,3	18,8
	6H	17,8	18,5	18,2	19,0	19,4	17,3	18,1	17,8	18,5	19,0
	8H	18,4	18,9	18,9	19,4	19,9	17,7	18,2	18,2	18,6	19,1
	12H	18,5	19,2	19,0	19,7	20,1	17,5	18,1	18,0	18,6	19,1
8H	4H	17,4	17,9	17,9	18,3	18,8	17,4	17,9	17,9	18,3	18,8
	6H	18,6	18,7	19,1	19,2	19,8	17,9	18,3	18,4	18,7	19,3
	8H	18,7	19,1	19,3	19,6	20,1	18,0	18,4	18,5	18,9	19,4
	12H	19,0	19,5	19,5	20,0	20,5	17,8	18,4	18,3	18,9	19,4
12H	4H	17,1	17,8	17,6	18,2	18,7	17,2	17,8	17,6	18,3	18,8
	6H	18,0	18,6	18,5	19,1	19,6	17,6	18,2	18,1	18,7	19,2
	8H	18,5	19,1	19,0	19,6	20,1	17,8	18,4	18,3	18,9	19,4

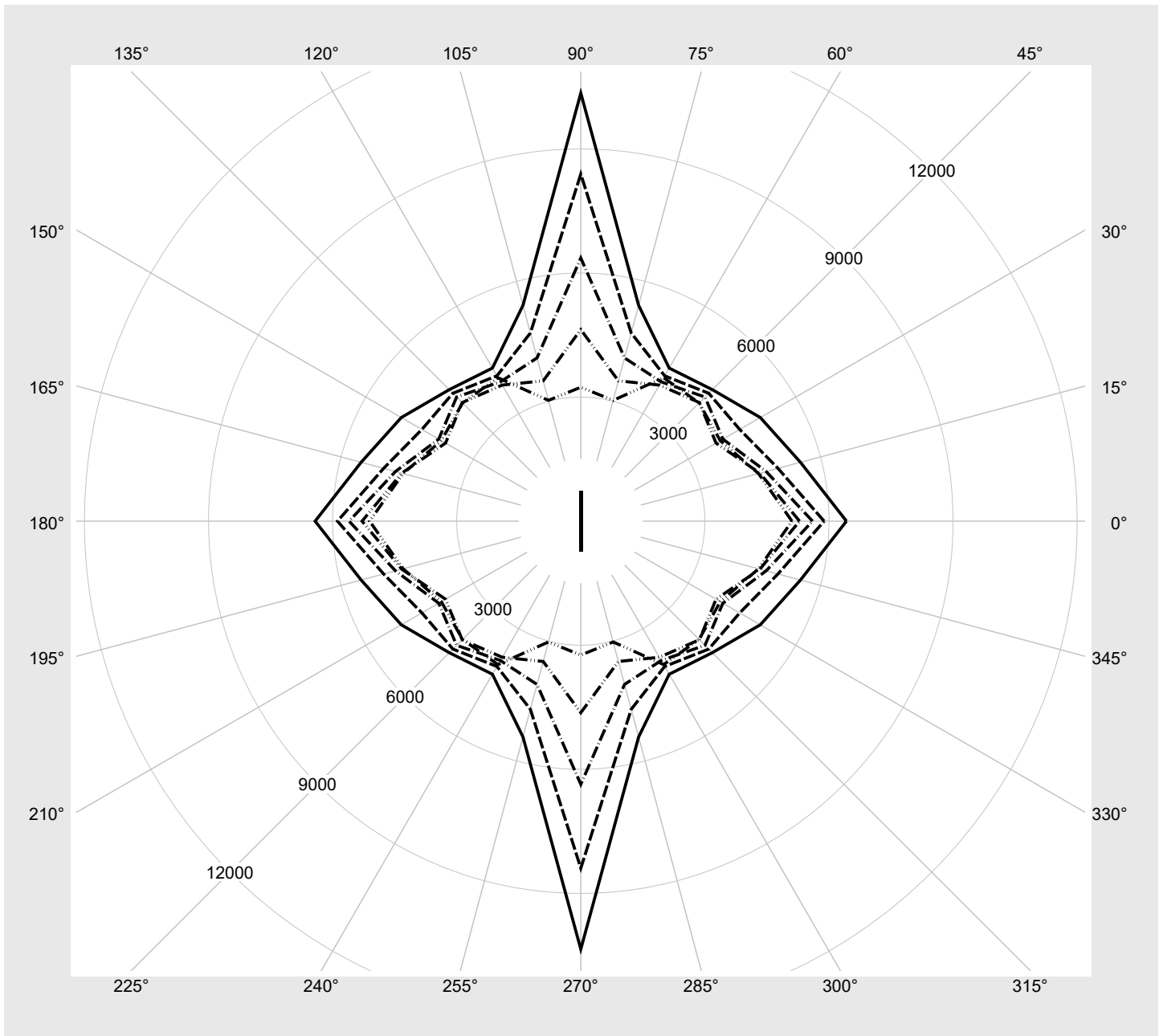
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		9768.1	8696.7	6814.6	6133.7	6849.4	9177.2	12432.1	
50°		9248.4	8101.5	6253.9	5423.9	5692.3	8066.9	12411.7	
55°		8150.0	7250.9	5873.8	4977.0	5027.0	7073.4	12234.4	
60°		7203.1	6327.4	5463.7	4668.2	4574.7	6183.8	11650.5	
65°		6423.4	5498.5	5011.4	4497.0	4274.0	5401.9	10349.2	
70°		5882.9	4935.1	4436.3	4373.8	4056.6	4709.9	8390.9	
75°		5603.1	4639.2	3966.9	4245.1	3889.6	4086.6	6363.2	
80°		5289.2	4482.9	3775.8	4054.7	3799.3	3512.7	4631.5	
85°		5105.5	4448.1	3893.8	4043.8	4004.7	3024.2	3237.8	

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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	14170	84.2
95	240	252	13465	79.5
90	226	250	12757	75.0
85	213	248	12048	70.4
80	199	245	11339	65.9
75	186	243	10631	61.6
70	173	240	9922	57.3
65	160	237	9213	53.1
60	147	234	8504	48.9
55	134	231	7796	44.8
50	122	227	7087	40.8
45	109	223	6378	36.8
40	97	219	5670	32.8
35	84	214	4961	29.0
30	72	208	4252	25.0
25	60	201	3544	21.4
20	48	193	2835	17.5
15	36	183	2126	13.7
10	24	168	1417	10.4
5	12	143	708	6.6