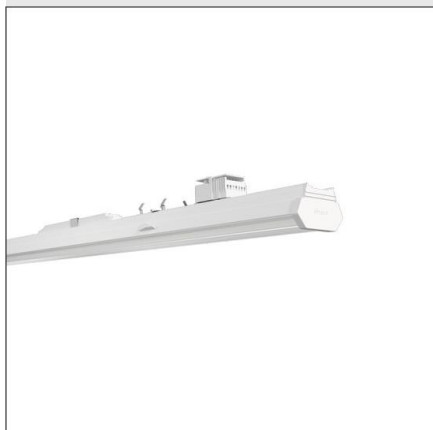


Lichttechnischer Prüfbefund

Familie
Licross® Protected

Bestell-Nr.: 51TP13DN4EXRD
EAN: 4058352418550

LP-Nummer
58527_15



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

Seriendokumentation
26.08.2020

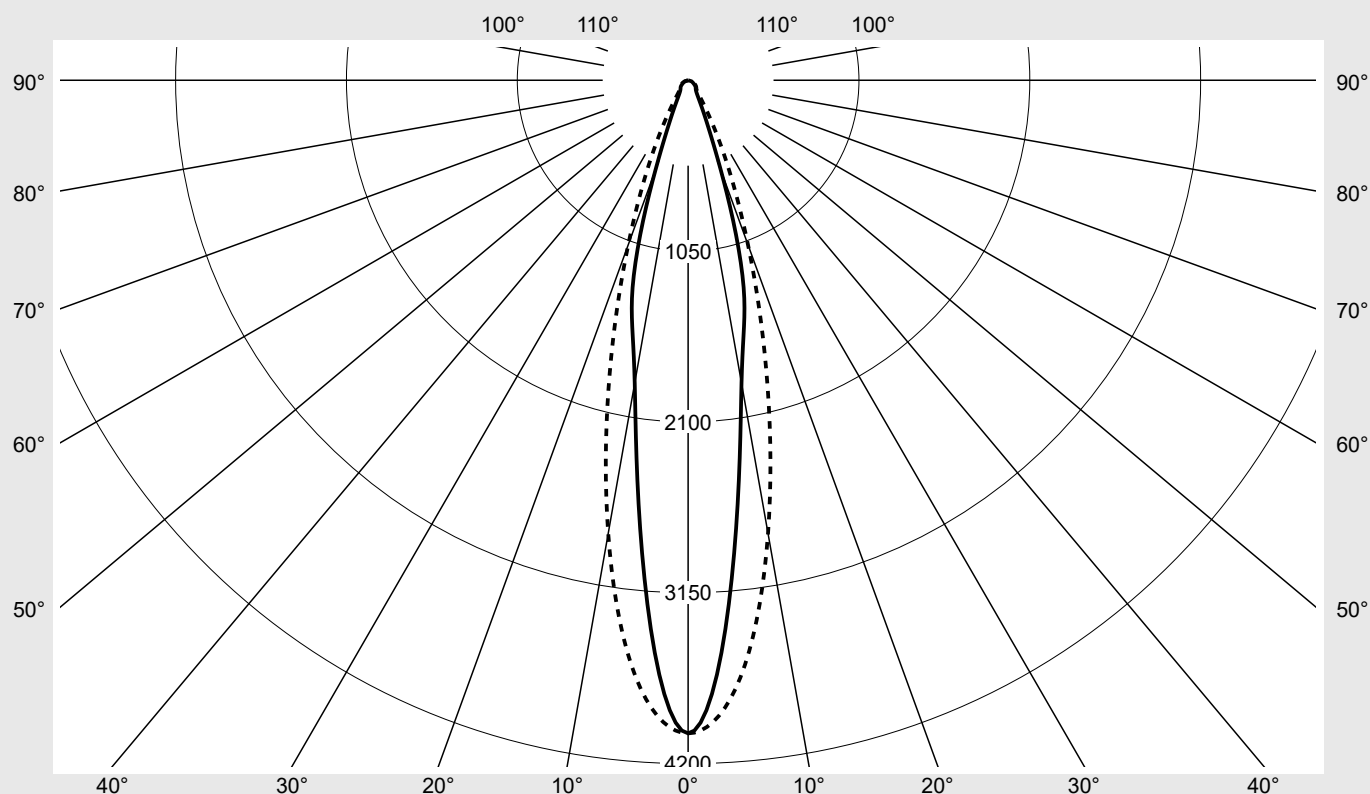
siteco

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.: 51TP13DN4EXRD EAN: 4058352418550	LP-Nummer 58527_15
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Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	sITeco
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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.: 51TP13DN4EXRD EAN: 4058352418550	LP-Nummer 58527_15
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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	

Lichttechnischer Prüfbefund

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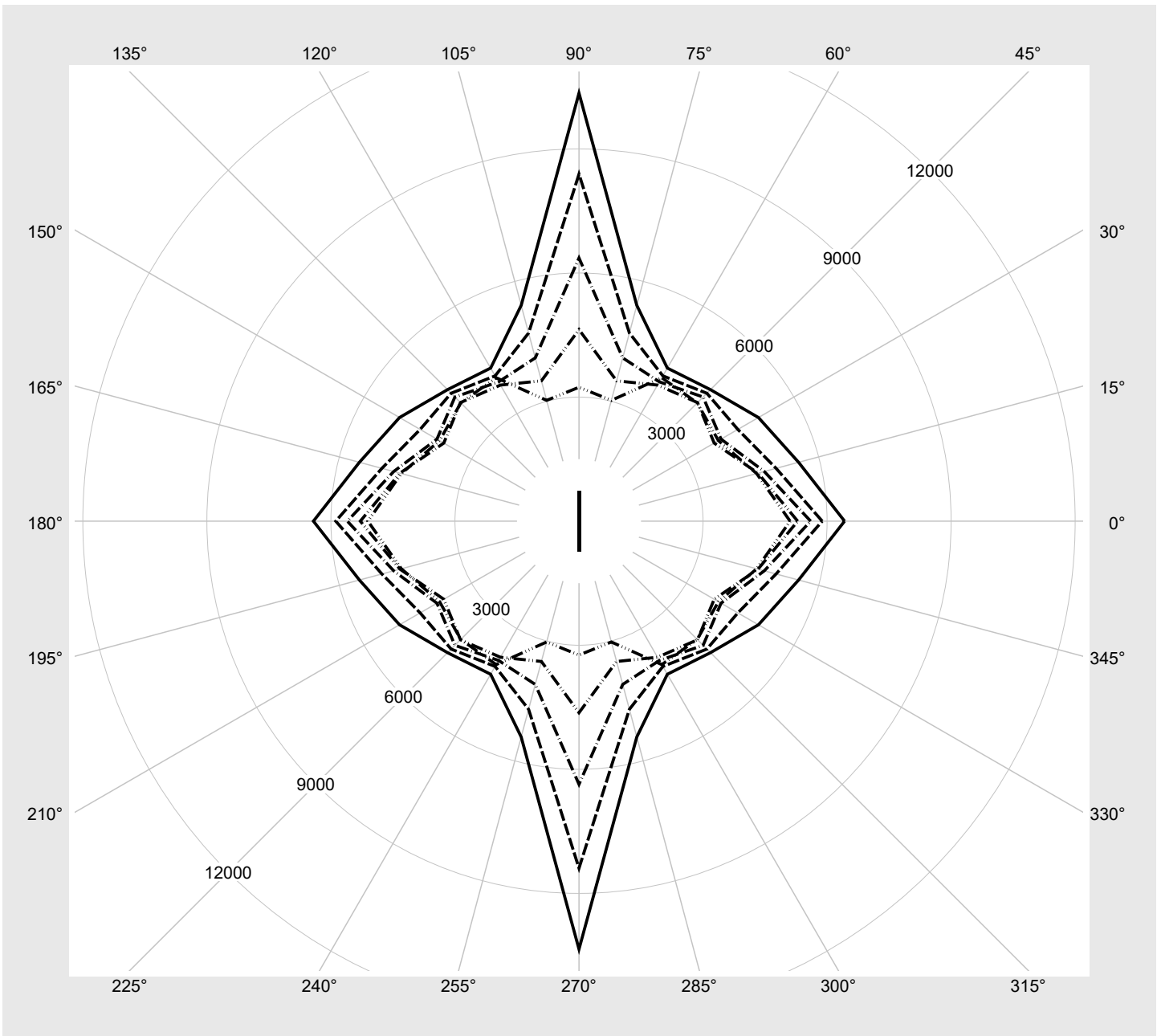
Bestell-Nr.: 51TP13DN4EXRD
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Leuchtdichten in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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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	241	252	13457	79.4
90	227	250	12743	74.9
85	214	248	12054	70.4
80	200	245	11311	65.7
75	187	243	10622	61.5
70	174	240	9905	57.2
65	161	237	9215	53.1
60	148	234	8497	48.9
55	135	231	7780	44.7
50	122	227	7061	40.7
45	110	223	6369	36.7
40	98	219	5678	32.8
35	85	214	4960	29.0
30	73	208	4268	25.1
25	60	201	3518	21.3
20	49	194	2855	17.6
15	36	182	2104	13.6
10	25	169	1441	10.5
5	13	145	748	6.8