

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL1ECN48XG
EAN: 4058352891643

LP-Nummer
59263_121



Ausführung Abdeckung satiniert, elliptisch eng strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-Multilumen CLOi
Bemessungswerte Nettolichtstrom = 8020 lm
Systemleistung = 44.4 W
Lichtausbeute = 180.6 lm/W

Seriendokumentation
17.08.2023

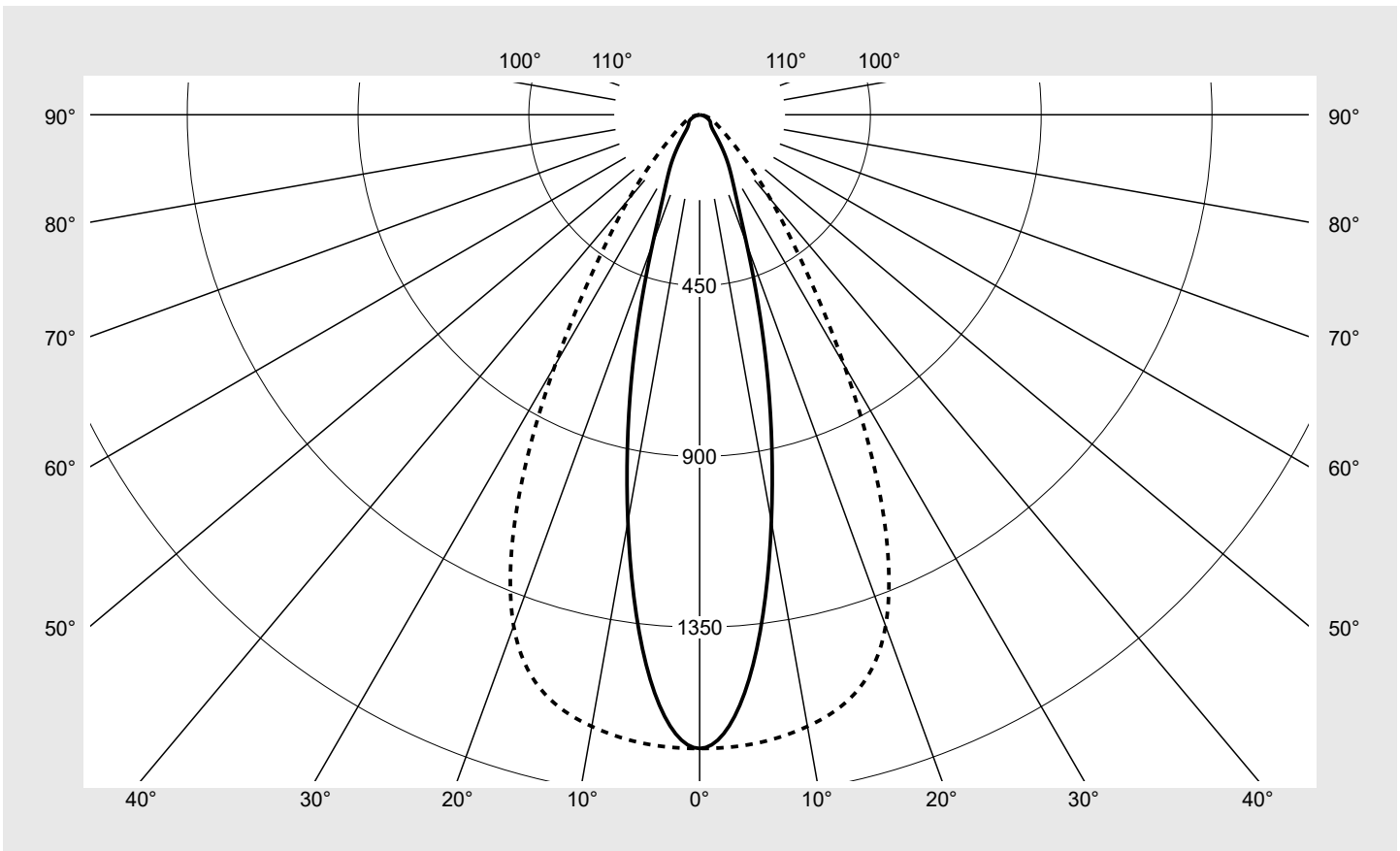
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 1670 cd/klm



Klassifizierungen

DIN 5040 A 7 0
CIE N1=85 N2=95 N3=99
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Licross® 21 Recessed	Bestell-Nr.: 52TL1ECN48XG EAN: 4058352891643	LP-Nummer 59263_121
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	
0°	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	10.0	10.0
5°	1493.3	1495.6	1516.6	1565.9	1616.3	1649.8	1662.9	75.0	85.0
10°	1088.5	1106.7	1175.0	1303.4	1460.6	1586.1	1636.2	126.8	211.8
15°	678.3	712.7	825.0	1006.5	1239.9	1474.8	1578.7	151.0	362.9
20°	362.1	388.9	492.0	707.6	980.6	1275.8	1432.9	148.2	511.0
25°	217.8	231.1	285.8	436.7	705.9	972.9	1137.5	127.8	638.8
30°	151.3	158.5	185.3	264.1	455.8	646.3	761.7	99.0	737.8
35°	95.4	107.0	131.3	171.8	268.4	391.1	463.8	70.7	808.5
40°	57.7	64.5	93.9	120.6	157.9	239.7	291.4	50.0	858.5
45°	43.5	45.9	58.2	86.3	99.5	145.4	176.9	35.2	893.7
50°	37.7	39.0	42.8	61.0	68.3	89.3	109.1	26.2	919.9
55°	34.6	35.0	36.7	43.5	50.5	59.6	73.7	20.9	940.8
60°	30.2	31.1	32.8	34.2	38.6	42.0	53.5	17.5	958.3
65°	23.9	25.4	29.1	28.1	30.1	30.8	41.3	14.6	972.8
70°	17.0	18.4	22.5	23.3	23.4	22.7	30.8	11.5	984.3
75°	10.9	12.0	16.2	17.9	17.4	15.7	20.7	8.4	992.7
80°	6.2	6.7	9.0	10.7	11.0	9.3	11.6	5.0	997.7
85°	3.1	3.3	4.2	5.0	4.8	3.9	4.2	2.3	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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® 21 Recessed	Bestell-Nr.: 52TL1ECN48XG EAN: 4058352891643	LP-Nummer 59263_121
--	---	-------------------------------

UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	14,4	15,6	14,7	15,9	16,2	19,4	20,6	19,7	20,9	21,3
	3H	15,6	16,6	15,9	17,0	17,3	20,0	21,0	20,4	21,4	21,7
	4H	15,9	17,0	16,3	17,3	17,7	20,2	21,2	20,6	21,6	21,9
	6H	16,1	17,1	16,5	17,5	17,9	20,5	21,3	20,9	21,7	22,1
	8H	16,3	17,1	16,8	17,5	17,9	20,6	21,4	21,0	21,7	22,1
	12H	16,4	17,1	16,8	17,5	18,0	20,6	21,3	21,1	21,7	22,1
4H	2H	15,2	16,2	15,6	16,5	16,9	19,4	20,4	19,8	20,8	21,1
	3H	16,6	17,5	17,1	17,8	18,3	20,1	20,9	20,5	21,3	21,7
	4H	17,1	17,9	17,6	18,3	18,7	20,5	21,2	20,9	21,6	22,1
	6H	17,4	18,1	17,9	18,5	19,0	20,8	21,4	21,2	21,8	22,3
	8H	17,5	18,1	18,0	18,6	19,1	20,9	21,4	21,4	21,9	22,4
	12H	17,6	18,1	18,1	18,6	19,1	21,0	21,4	21,4	21,9	22,4
8H	4H	17,6	18,2	18,1	18,6	19,1	20,6	21,1	21,0	21,6	22,1
	6H	18,1	18,5	18,6	19,0	19,5	21,0	21,4	21,5	21,9	22,4
	8H	18,2	18,6	18,7	19,1	19,6	21,1	21,5	21,6	22,0	22,5
	12H	18,3	18,7	18,9	19,2	19,7	21,2	21,5	21,7	22,0	22,6
12H	4H	17,7	18,1	18,2	18,6	19,1	20,5	21,1	21,0	21,5	22,0
	6H	18,2	18,5	18,7	19,0	19,6	21,0	21,4	21,5	21,9	22,4
	8H	18,4	18,7	18,9	19,2	19,8	21,1	21,5	21,6	22,0	22,5

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

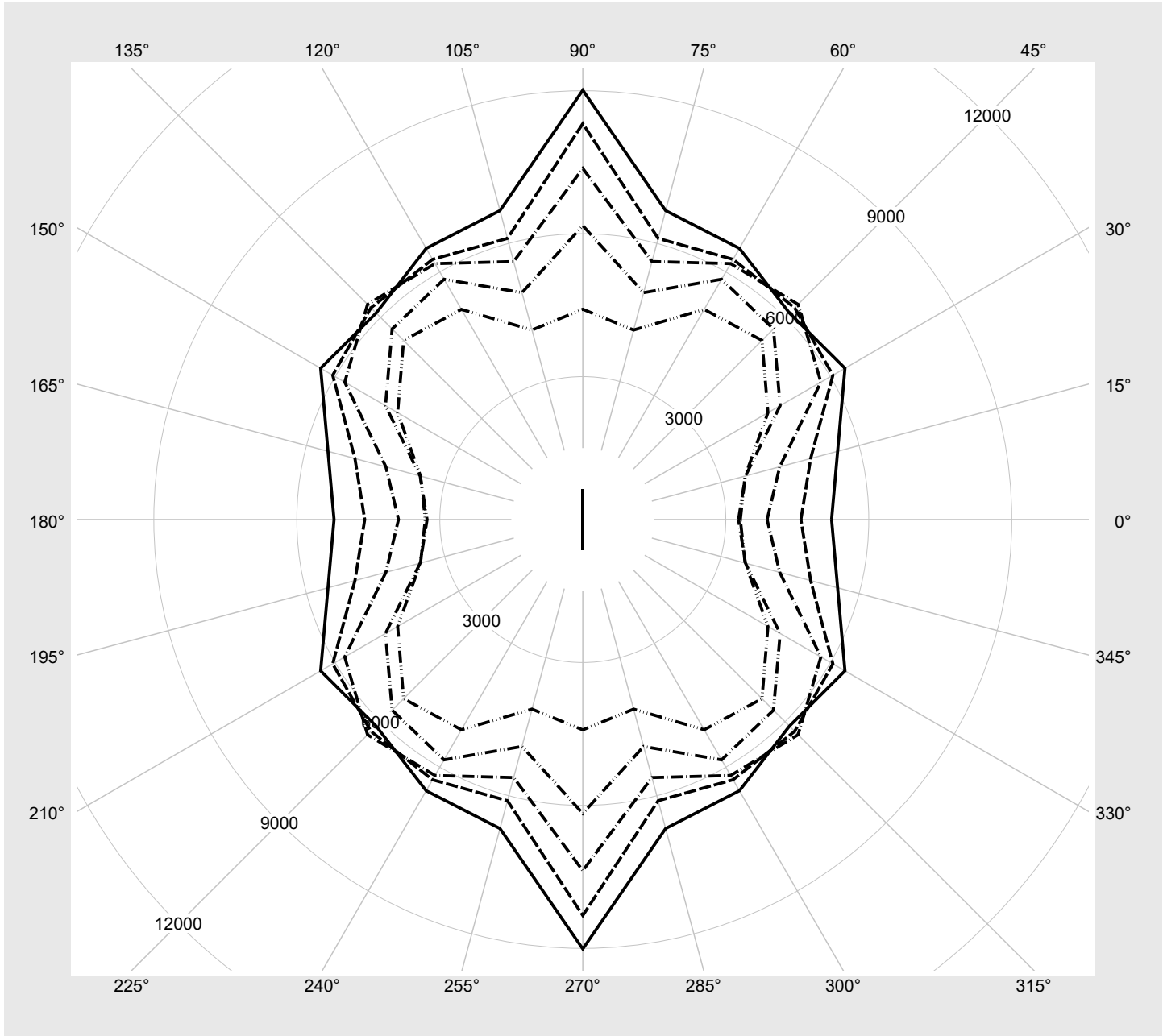
Lichttechnische Abmessungen in mm: **L = 1500**
B = 58

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°		5669.6	5980.6	7581.1	11247.9	12976.0	18955.5	23067.3
50°		5412.3	5590.2	6137.6	8753.2	9796.7	12811.1	15651.5
55°		5554.7	5622.1	5901.6	6987.2	8119.0	9583.0	11848.0
60°		5559.8	5742.5	6050.0	6310.4	7115.3	7739.9	9862.2
65°		5219.3	5534.7	6351.2	6131.3	6572.1	6713.7	9011.6
70°		4575.8	4949.3	6058.7	6285.9	6305.9	6109.4	8309.0
75°		3867.0	4277.3	5767.8	6387.2	6202.7	5606.5	7368.8
80°		3266.9	3532.9	4781.0	5657.4	5823.6	4930.7	6168.7
85°		3305.3	3525.3	4485.7	5317.0	5093.8	4118.7	4413.7

Lichttechnischer Prüfbefund

Familie Licross® 21 Recessed	Bestell-Nr.: 52TL1ECN48XG EAN: 4058352891643	LP-Nummer 59263_121
---	---	--------------------------------------

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



Lichttechnischer Prüfbefund

Familie Licross® 21 Recessed	Bestell-Nr.: 52TL1ECN48XG EAN: 4058352891643	LP-Nummer 59263_121
--	---	--------------------------------------

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

DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
	1	2	3				
1	A	C	E	8020	44.4	53.0	48.7
2	A	C	F	7516	41.4	49.5	45.4
3	A	D	E	6991	38.4	45.6	42.0
4	A	D	F	6466	35.3	42.2	38.8
5	B	C	E	6025	32.8	39.2	36.0
6	B	C	F	5490	29.9	35.3	32.6
7	B	D	E	5028	27.4	32.4	29.9
8	B	D	F	4493	24.5	28.7	26.6