

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL12DN4AXM
EAN: 4058352890936

LP-Nummer
59446_26



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 10000 lm
Systemleistung = 54.6 W
Lichtausbeute = 183.2 lm/W

Seriendokumentation
03.08.2023

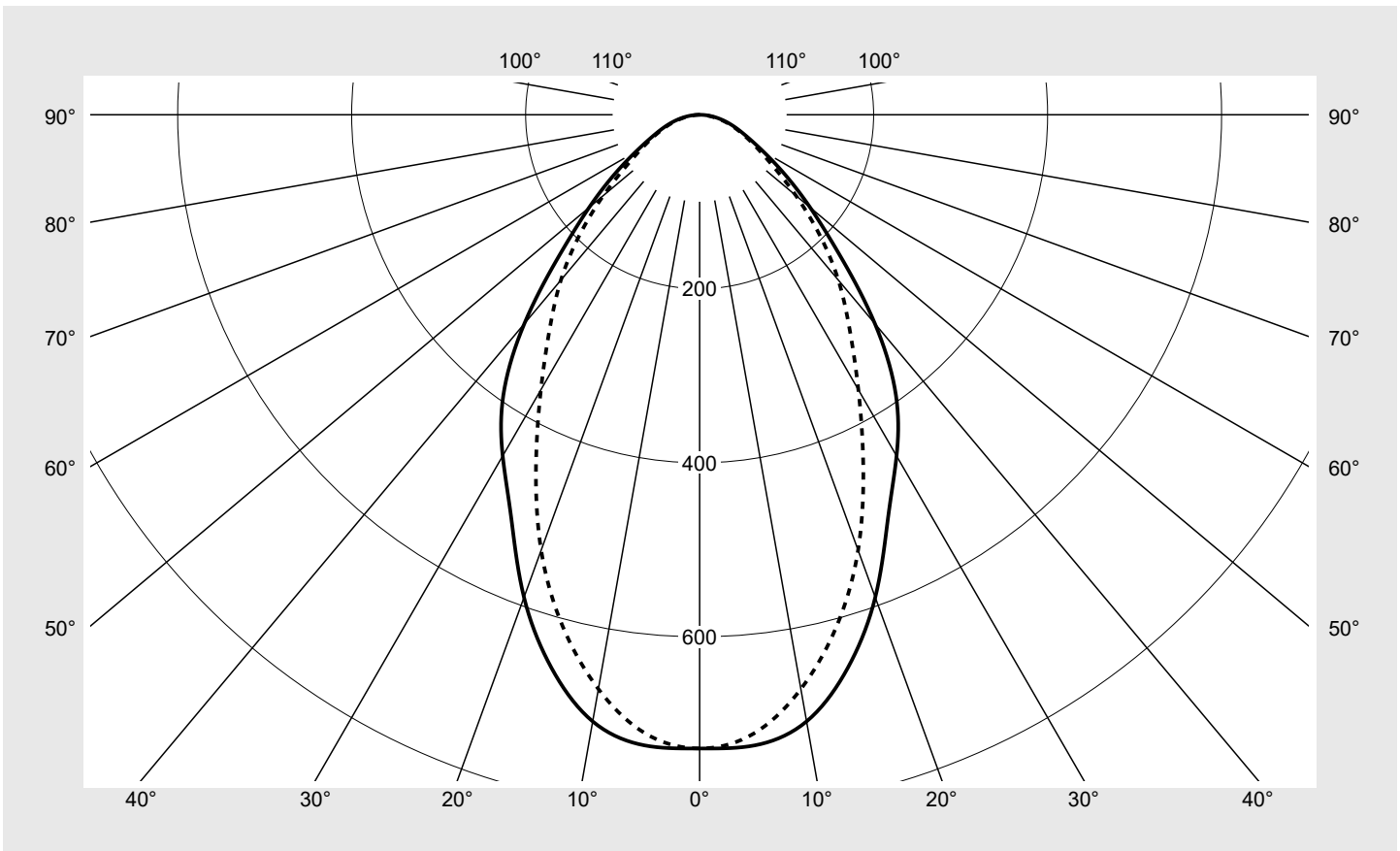
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 728 cd/klm



Klassifizierungen

DIN 5040 A 5 0
CIE N1=69 N2=91 N3=98
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.: 52TL12DN4AXM EAN: 4058352890936	LP-Nummer 59446_26
---	---	-------------------------------------

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°	728.4	728.4	728.4	728.4	728.4	728.4	728.4	4.4	4.4
5°	727.5	724.8	717.6	716.9	716.5	714.4	713.9	34.3	38.7
10°	708.0	704.6	693.5	687.1	680.0	672.5	670.2	65.5	104.1
15°	658.1	653.2	637.7	629.5	623.7	612.7	608.6	89.6	193.8
20°	590.3	582.5	562.9	551.9	546.6	538.5	532.6	104.5	298.2
25°	512.2	499.8	475.2	461.5	453.8	449.4	445.1	108.8	407.1
30°	452.8	433.7	396.2	371.8	363.4	365.0	364.9	106.8	513.9
35°	393.4	374.1	335.3	295.7	285.6	295.2	300.5	101.3	615.2
40°	313.5	300.8	276.8	238.3	224.4	239.2	248.1	91.6	706.8
45°	227.2	217.7	208.5	191.4	176.2	187.2	194.9	77.0	783.8
50°	165.8	151.3	143.3	147.8	138.9	142.4	144.5	61.5	845.3
55°	119.7	105.2	93.7	108.9	109.4	104.2	103.2	47.4	892.7
60°	84.3	73.0	63.0	78.5	83.8	75.4	76.1	35.9	928.6
65°	60.6	51.5	43.5	55.3	61.5	55.5	56.9	27.0	955.6
70°	44.8	36.9	29.5	37.3	40.5	40.0	42.0	19.5	975.1
75°	31.9	25.4	19.2	23.6	27.6	27.0	29.3	13.5	988.6
80°	20.2	15.5	11.1	12.8	15.3	15.6	17.2	8.0	996.7
85°	9.4	7.2	4.9	5.0	5.8	6.0	6.3	3.3	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.: 52TL12DN4AXM EAN: 4058352890936	LP-Nummer 59446_26
--	---	------------------------------

UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
Reflexionsgrad Decke	0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3	
Reflexionsgrad Wände	0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3	
Reflexionsgrad Boden	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	
2H	2H	22,3	23,8	22,7	24,1	24,4	21,9	23,4	22,3	23,7	24,0
	3H	23,0	24,3	23,4	24,6	25,0	22,7	24,0	23,1	24,4	24,7
	4H	23,4	24,5	23,7	24,9	25,3	23,1	24,3	23,5	24,7	25,0
	6H	23,7	24,8	24,1	25,1	25,5	23,4	24,5	23,8	24,8	25,2
	8H	23,9	24,8	24,3	25,2	25,6	23,5	24,5	23,9	24,9	25,3
	12H	24,0	24,9	24,4	25,3	25,7	23,6	24,5	24,0	24,9	25,3
4H	2H	22,6	23,8	23,0	24,2	24,5	22,3	23,5	22,7	23,9	24,2
	3H	23,4	24,4	23,8	24,7	25,2	23,3	24,3	23,7	24,7	25,1
	4H	23,8	24,7	24,2	25,1	25,5	23,8	24,6	24,2	25,1	25,5
	6H	24,2	24,9	24,6	25,4	25,8	24,1	24,9	24,6	25,3	25,8
	8H	24,3	25,0	24,8	25,5	26,0	24,2	24,9	24,7	25,4	25,9
	12H	24,5	25,1	25,0	25,6	26,1	24,3	24,9	24,8	25,4	25,9
8H	4H	23,9	24,6	24,3	25,0	25,5	23,9	24,6	24,3	25,0	25,5
	6H	24,3	24,9	24,8	25,3	25,8	24,3	24,9	24,8	25,4	25,9
	8H	24,5	25,0	25,0	25,5	26,0	24,5	25,0	25,0	25,5	26,0
	12H	24,7	25,1	25,2	25,6	26,2	24,6	25,0	25,1	25,5	26,1
12H	4H	23,9	24,5	24,4	24,9	25,4	23,9	24,5	24,4	24,9	25,4
	6H	24,3	24,8	24,8	25,3	25,8	24,3	24,8	24,8	25,3	25,8
	8H	24,5	24,9	25,1	25,4	26,0	24,5	24,9	25,0	25,4	26,0



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

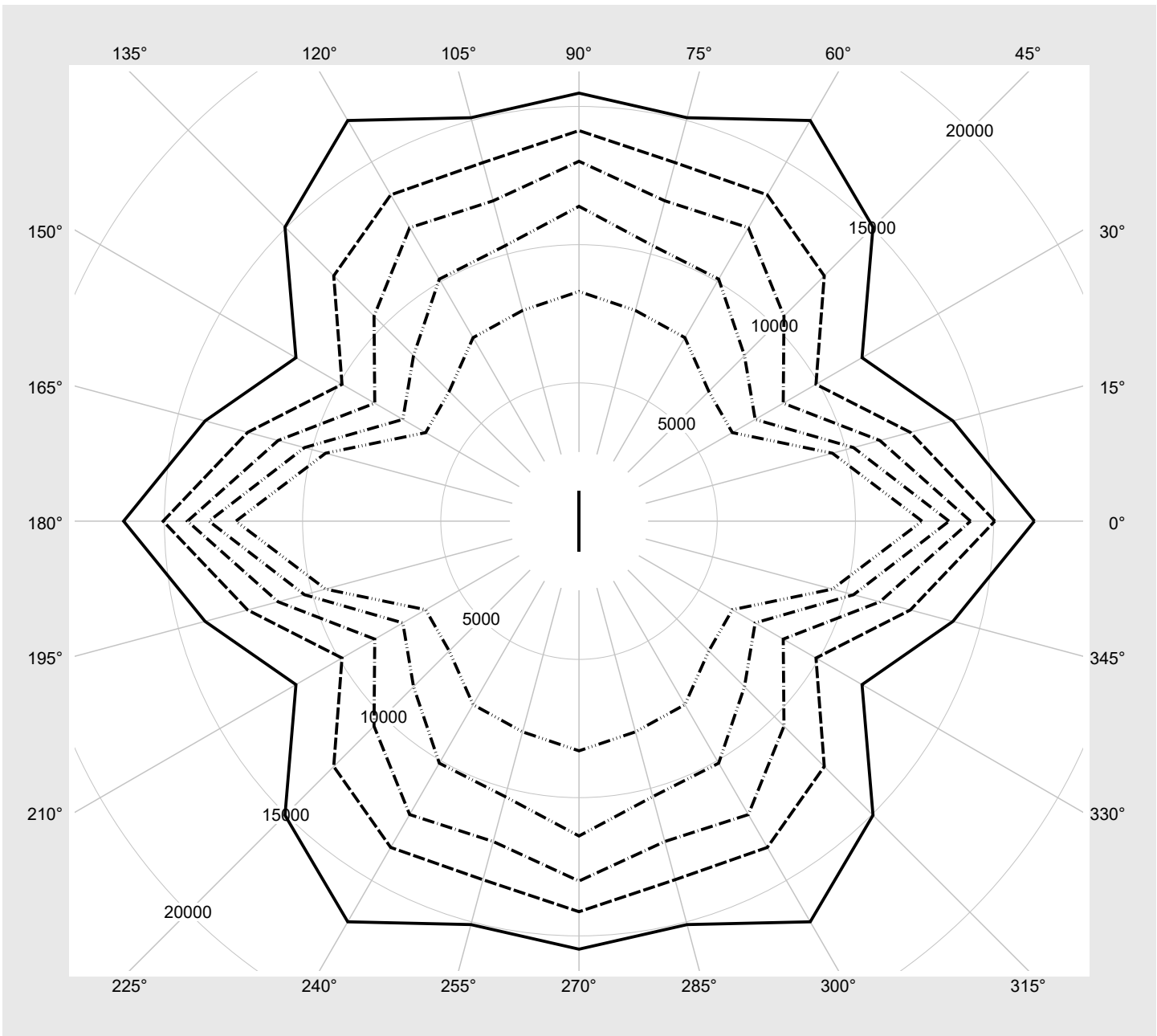
Lichttechnische Abmessungen in mm: **L = 1500**
B = 58

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°		36939.9	35386.1	33892.7	31117.4	28644.3	30422.3	31676.4
50°		29654.4	27053.0	25623.5	26421.2	24844.9	25459.9	25831.1
55°		23993.0	21090.1	18780.3	21825.9	21931.6	20879.1	20683.5
60°		19389.2	16774.9	14477.7	18042.8	19257.2	17334.0	17501.4
65°		16475.6	14006.3	11823.9	15042.8	16732.6	15106.2	15480.9
70°		15045.2	12411.0	9900.3	12549.5	13626.3	13426.3	14125.7
75°		14165.1	11270.0	8532.6	10487.1	12254.2	11995.2	13016.2
80°		13388.8	10281.7	7359.3	8466.7	10107.6	10314.8	11387.1
85°		12414.0	9492.8	6405.5	6640.2	7663.6	7889.2	8307.2

Lichttechnischer Prüfbefund

Familie Licross® 21 Recessed	Bestell-Nr.: 52TL12DN4AXM EAN: 4058352890936	LP-Nummer 59446_26
---	---	-------------------------------------

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



Lichttechnischer Prüfbefund

Familie Licross® 21 Recessed	Bestell-Nr.: 52TL12DN4AXM EAN: 4058352890936	LP-Nummer 59446_26
Dimmstufen-Tabelle		sITeco
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	10000	54.6
95	241	252	9511	51.9
90	227	250	8986	49.1
85	214	248	8492	46.4
80	201	245	7998	43.7
75	188	243	7496	41.0
70	175	240	6994	38.3
65	162	238	6489	35.6
60	149	234	5982	32.9
55	137	231	5508	30.5
50	124	228	4994	27.8
45	112	224	4518	25.3
40	99	219	4000	22.5
35	87	215	3520	19.9
30	74	209	2994	17.4
25	62	202	2509	15.3
20	49	194	1981	12.9
15	37	183	1492	10.2
10	25	169	998	6.6
8	20	161	792	4.8