

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL12MN4FXM
EAN: 4058352891124

LP-Nummer
59446_74



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-Multilumen

Bemessungswerte Nettolichtstrom = 15100 lm
Systemleistung = 83.1 W
Lichtausbeute = 181.7 lm/W

Seriendokumentation
24.08.2023

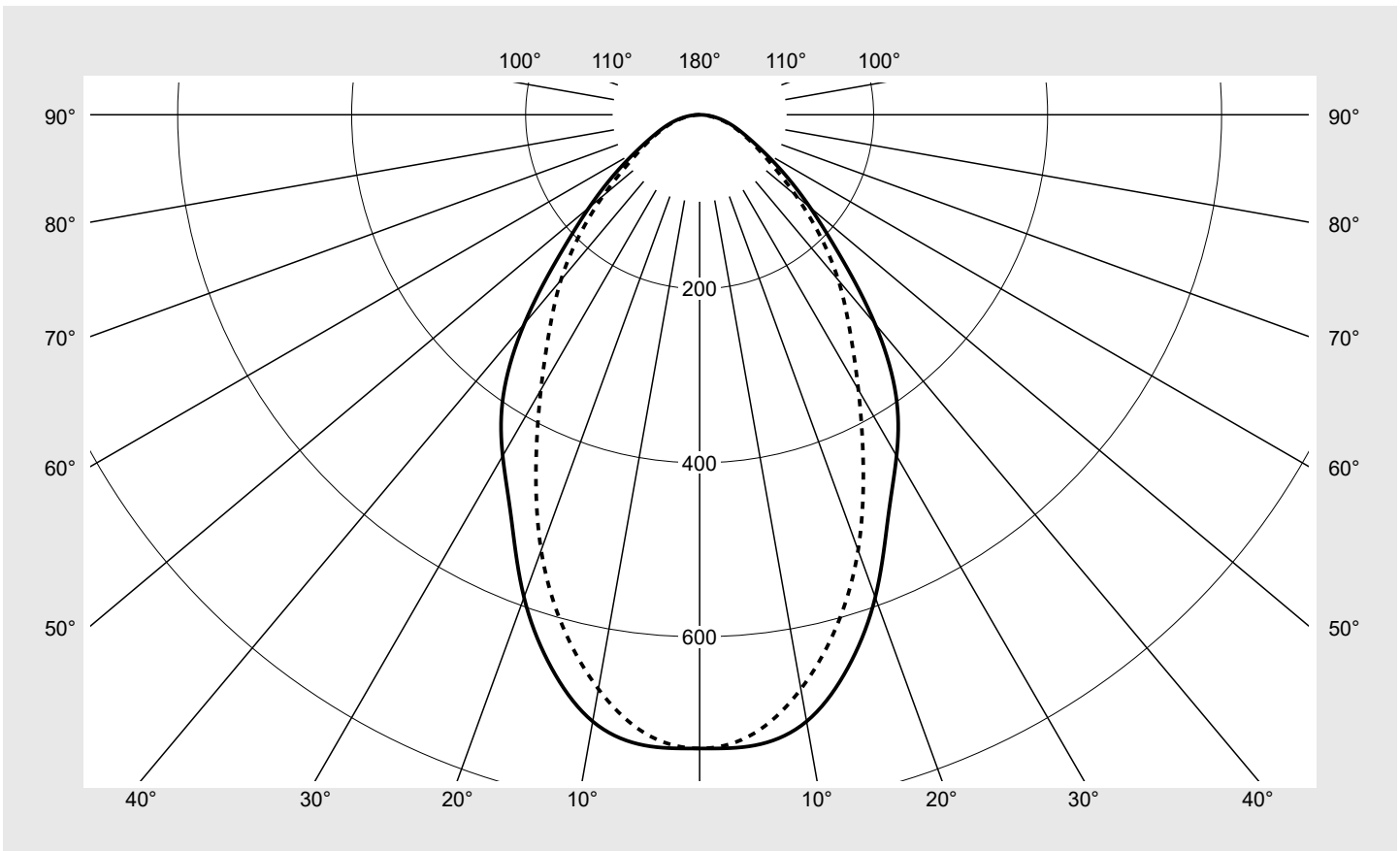
sitEco

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

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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°			
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

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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	23,8	25,2	24,1	25,5	25,8	23,4	24,8	23,7	25,1	25,4
	3H	24,4	25,7	24,8	26,1	26,4	24,2	25,5	24,6	25,8	26,2
	4H	24,8	26,0	25,2	26,3	26,7	24,5	25,7	24,9	26,1	26,5
	6H	25,1	26,2	25,5	26,6	27,0	24,8	25,9	25,2	26,3	26,7
	8H	25,3	26,3	25,7	26,7	27,1	25,0	25,9	25,4	26,3	26,7
	12H	25,4	26,3	25,8	26,7	27,1	25,0	25,9	25,4	26,3	26,7
4H	2H	24,0	25,2	24,4	25,6	26,0	23,7	24,9	24,1	25,3	25,7
	3H	24,8	25,8	25,2	26,2	26,6	24,7	25,7	25,2	26,1	26,5
	4H	25,2	26,1	25,6	26,5	26,9	25,2	26,1	25,6	26,5	26,9
	6H	25,6	26,4	26,1	26,8	27,3	25,6	26,3	26,0	26,8	27,2
	8H	25,8	26,5	26,2	26,9	27,4	25,7	26,4	26,1	26,8	27,3
	12H	25,9	26,5	26,4	27,0	27,5	25,8	26,4	26,3	26,8	27,3
8H	4H	25,3	26,0	25,8	26,4	26,9	25,3	26,0	25,8	26,4	26,9
	6H	25,7	26,3	26,2	26,8	27,3	25,7	26,3	26,2	26,8	27,3
	8H	25,9	26,4	26,4	26,9	27,4	25,9	26,4	26,4	26,9	27,4
	12H	26,1	26,5	26,7	27,0	27,6	26,0	26,4	26,5	26,9	27,5
12H	4H	25,3	25,9	25,8	26,4	26,9	25,3	25,9	25,8	26,4	26,9
	6H	25,8	26,2	26,3	26,7	27,2	25,8	26,2	26,3	26,7	27,3
	8H	26,0	26,4	26,5	26,9	27,4	26,0	26,4	26,5	26,9	27,4

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°		55779.3	53433.0	51178.0	46987.3	43252.9	45937.7	47831.4
50°		44778.2	40850.0	38691.5	39896.0	37515.8	38444.4	39005.0
55°		36229.5	31846.0	28358.3	32957.2	33116.7	31527.4	31232.1
60°		29277.7	25330.2	21861.3	27244.6	29078.4	26174.4	26427.1
65°		24878.1	21149.5	17854.1	22714.6	25266.2	22810.3	23376.2
70°		22718.2	18740.7	14949.4	18949.8	20575.7	20273.7	21329.8
75°		21389.4	17017.7	12884.2	15835.5	18503.8	18112.8	19654.5
80°		20217.1	15525.4	11112.6	12784.7	15262.5	15575.4	17194.6
85°		18745.2	14334.2	9672.3	10026.8	11572.1	11912.6	12543.9

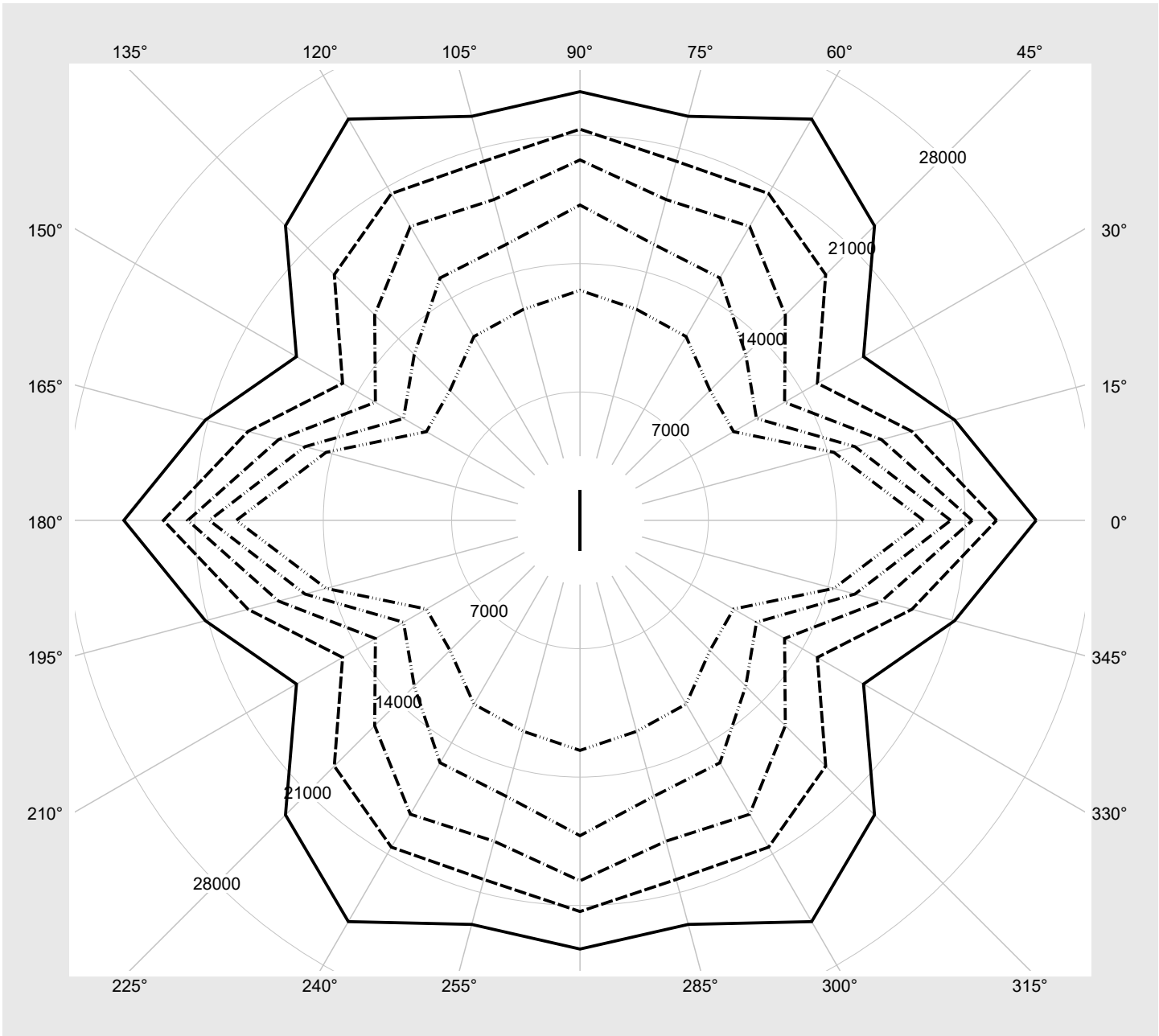
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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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Multilumen-Tabelle

Umgebungstemperatur: 25°C

sITeco

DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]
	1	2	3		
1	A	C	E	15100	83.1
2	A	C	F	14180	77.5
3	A	D	E	13110	71.1
4	A	D	F	12160	65.4
5	B	C	E	11120	59.4
6	B	C	F	10150	53.9
7	B	D	E	9080	47.9
8	B	D	F	8080	42.4