

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL12DN4FXM3S
EAN: 4058352908167

LP-Nummer
59446_50



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Einstellung AC-Betrieb

Bemessungswerte Nettolichtstrom = 15000 lm
Systemleistung = 88.4 W
Lichtausbeute = 169.7 lm/W

Seriendokumentation
17.08.2023

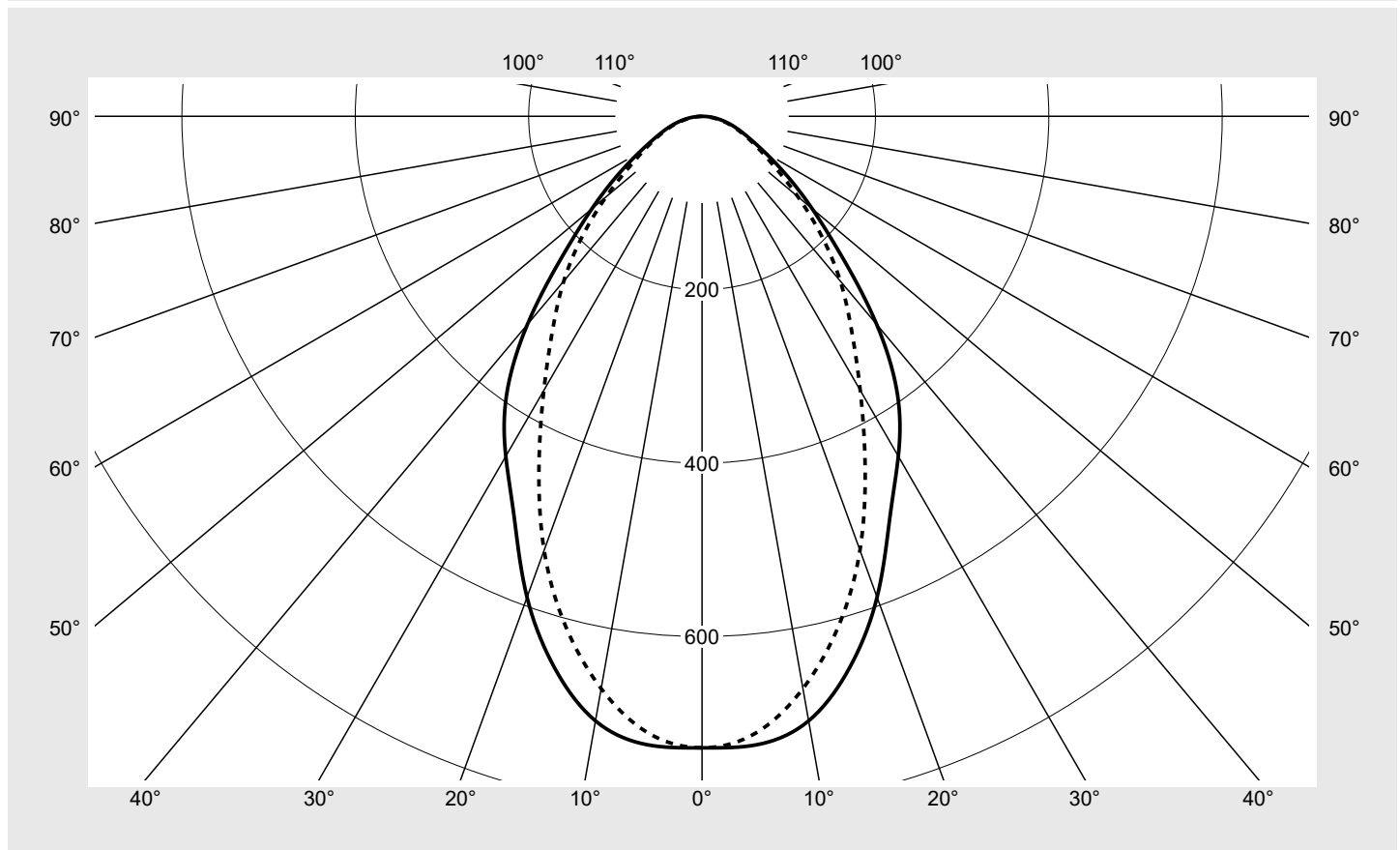
sitEco

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									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	23,7	25,2	24,1	25,5	25,8	23,3	24,8	23,7	25,1	25,4
	3H	24,4	25,7	24,8	26,0	26,4	24,1	25,4	24,5	25,8	26,1
	4H	24,8	26,0	25,2	26,3	26,7	24,5	25,7	24,9	26,1	26,4
	6H	25,1	26,2	25,5	26,5	26,9	24,8	25,9	25,2	26,3	26,6
	8H	25,3	26,3	25,7	26,6	27,0	24,9	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	25,9	23,7	24,9	24,1	25,3	25,6
	3H	24,8	25,8	25,2	26,2	26,6	24,7	25,7	25,1	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	26,3	26,0	26,8	27,2	25,5	26,3	26,0	26,7	27,2
	8H	25,7	26,4	26,2	26,9	27,4	25,7	26,3	26,1	26,8	27,3
	12H	25,9	26,5	26,4	27,0	27,5	25,7	26,3	26,2	26,8	27,3
8H	4H	25,3	26,0	25,7	26,4	26,9	25,3	26,0	25,7	26,4	26,9
	6H	25,7	26,3	26,2	26,7	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	26,6	27,0	27,6	26,0	26,4	26,5	26,9	27,5
12H	4H	25,3	25,9	25,8	26,4	26,8	25,3	25,9	25,8	26,3	26,8
	6H	25,7	26,2	26,2	26,7	27,2	25,8	26,2	26,3	26,7	27,2
	8H	25,9	26,4	26,5	26,9	27,4	25,9	26,3	26,4	26,8	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°		55409.9	53079.1	50839.0	46676.1	42966.5	45633.5	47514.6
50°		44481.6	40579.4	38435.2	39631.8	37267.4	38189.8	38746.6
55°		35989.6	31635.1	28170.5	32738.9	32897.3	31318.6	31025.2
60°		29083.8	25162.4	21716.6	27064.1	28885.9	26001.0	26252.1
65°		24713.3	21009.4	17735.9	22564.2	25098.9	22659.2	23221.4
70°		22567.7	18616.6	14850.4	18824.3	20439.4	20139.5	21188.5
75°		21247.7	16905.0	12798.9	15730.6	18381.2	17992.9	19524.4
80°		20083.2	15422.6	11039.0	12700.1	15161.5	15472.2	17080.7
85°		18621.0	14239.3	9608.2	9960.4	11495.5	11833.8	12460.8

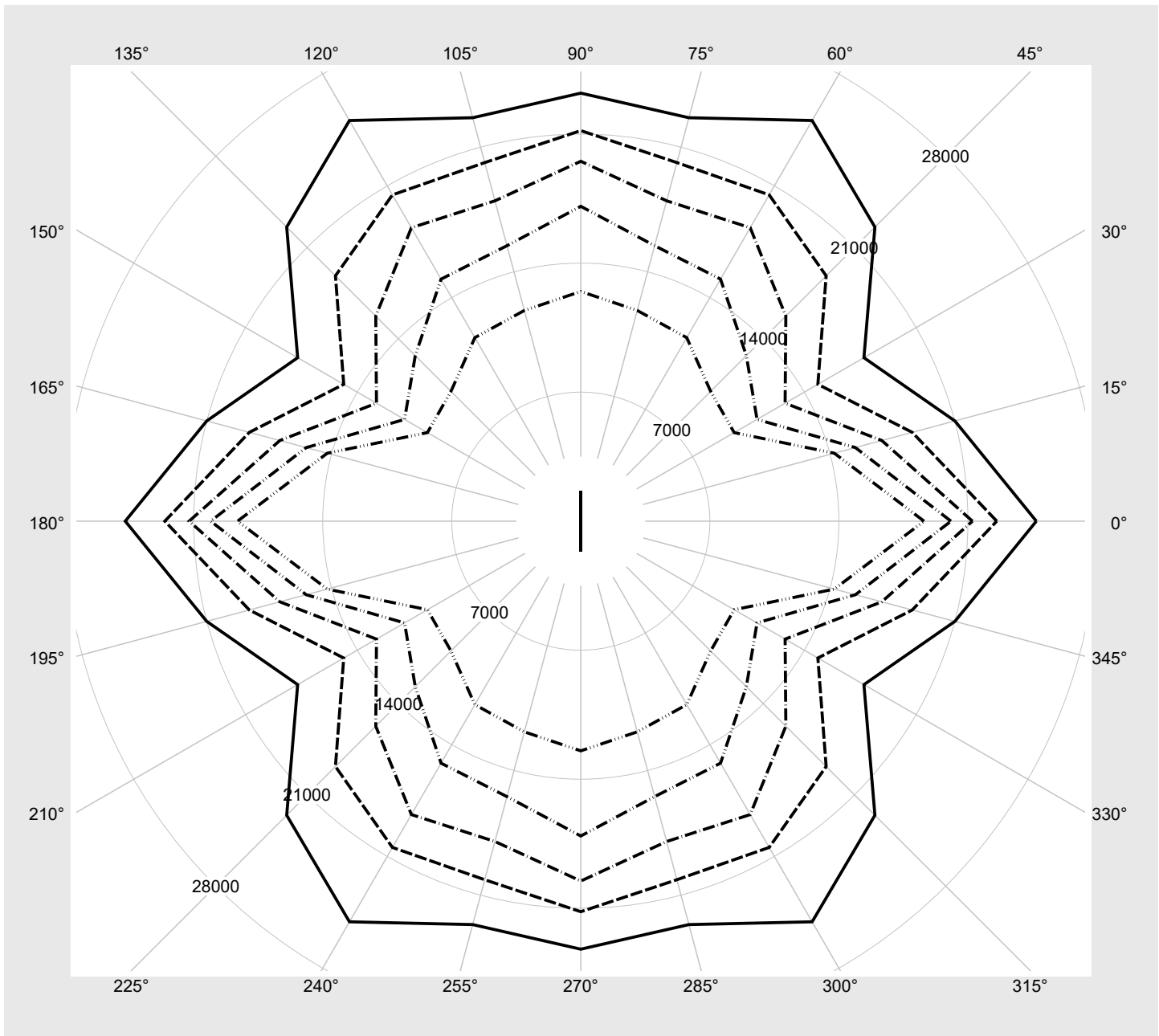
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Leuchtdichten in cd/m²

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	15000	88.4
95	240	252	14247	83.8
90	226	250	13483	79.0
85	213	248	12769	74.8
80	199	245	11989	70.1
75	186	243	11253	65.8
70	173	240	10512	61.6
65	160	237	9761	57.4
60	147	234	9006	53.1
55	134	231	8243	48.9
50	122	227	7528	45.0
45	109	223	6751	40.9
40	97	219	6028	37.0
35	84	213	5233	32.9
30	72	208	4497	29.2
25	60	201	3756	25.4
20	48	193	3006	21.6
15	36	182	2255	17.8
10	24	168	1498	14.0
5	12	142	734	10.3
1	4	102	224	7.9