

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TL12DE475M
EAN: 4058352890806

LP-Nummer
59446_20



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 7500 lm
Systemleistung = 44.1 W
Lichtausbeute = 170.1 lm/W

Seriendokumentation
02.08.2023

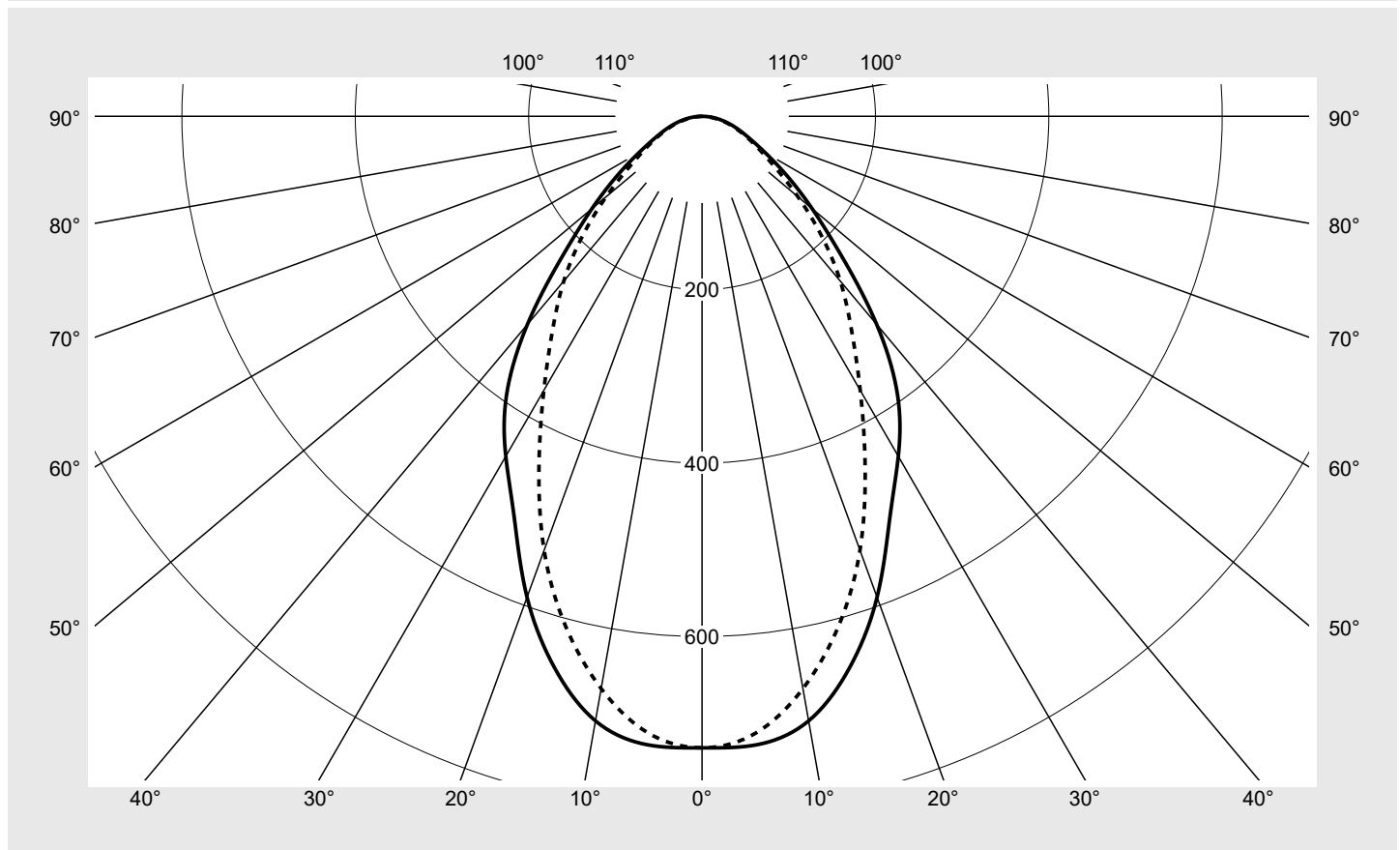
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Lichtstärke in cd/klm

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 $\gamma \geq 65^\circ$

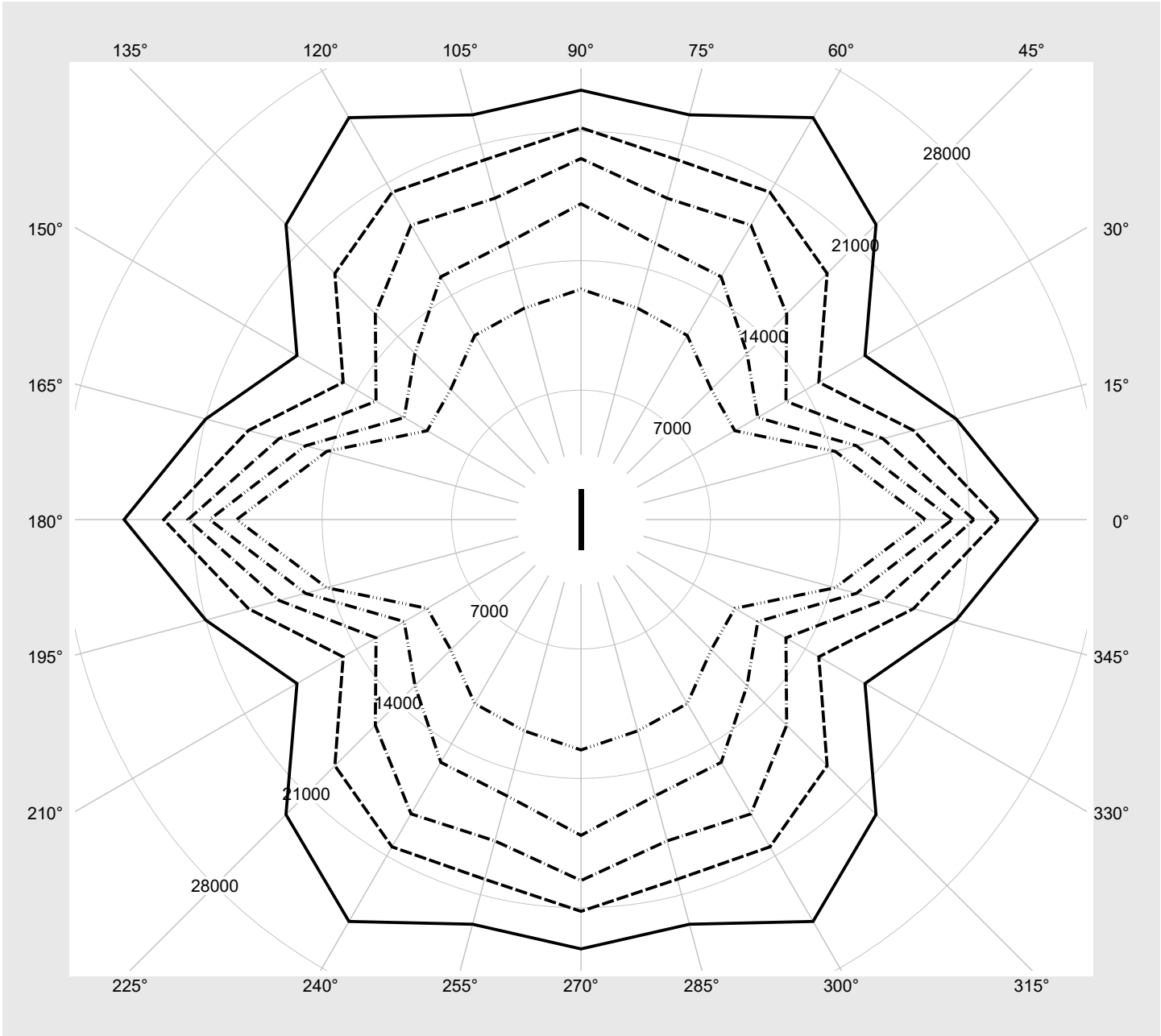
Lichttechnische Abmessungen in mm: L = 750 B = 58

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° **siteco**



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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	7500	44.1
95	240	252	7123	41.8
90	226	250	6742	39.4
85	213	248	6384	37.3
80	199	245	5995	34.9
75	186	243	5626	32.7
70	173	240	5256	30.5
65	160	237	4880	28.2
60	147	234	4503	26.0
55	134	231	4121	23.7
50	122	227	3764	21.5
45	109	223	3375	19.3
40	97	219	3014	17.6
35	84	213	2616	15.9
30	72	208	2248	14.2
25	60	201	1878	12.4
20	48	193	1503	10.3
15	36	182	1127	7.6
10	24	168	749	4.4
5	12	142	367	1.5
1	4	102	112	0.3