

Lichttechnischer Prüfbefund

Familie
Licross® 21 Recessed

Bestell-Nr.: 52TE18MN4E5M
EAN: 4058352889978

LP-Nummer
59104_188



Ausführung Abdeckung satiniert, medium strahlend, hoher Sehkomfort

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-Multilumen

Bemessungswerte Nettolichtstrom = 14940 lm
Systemleistung = 83.1 W
Lichtausbeute = 179.8 lm/W

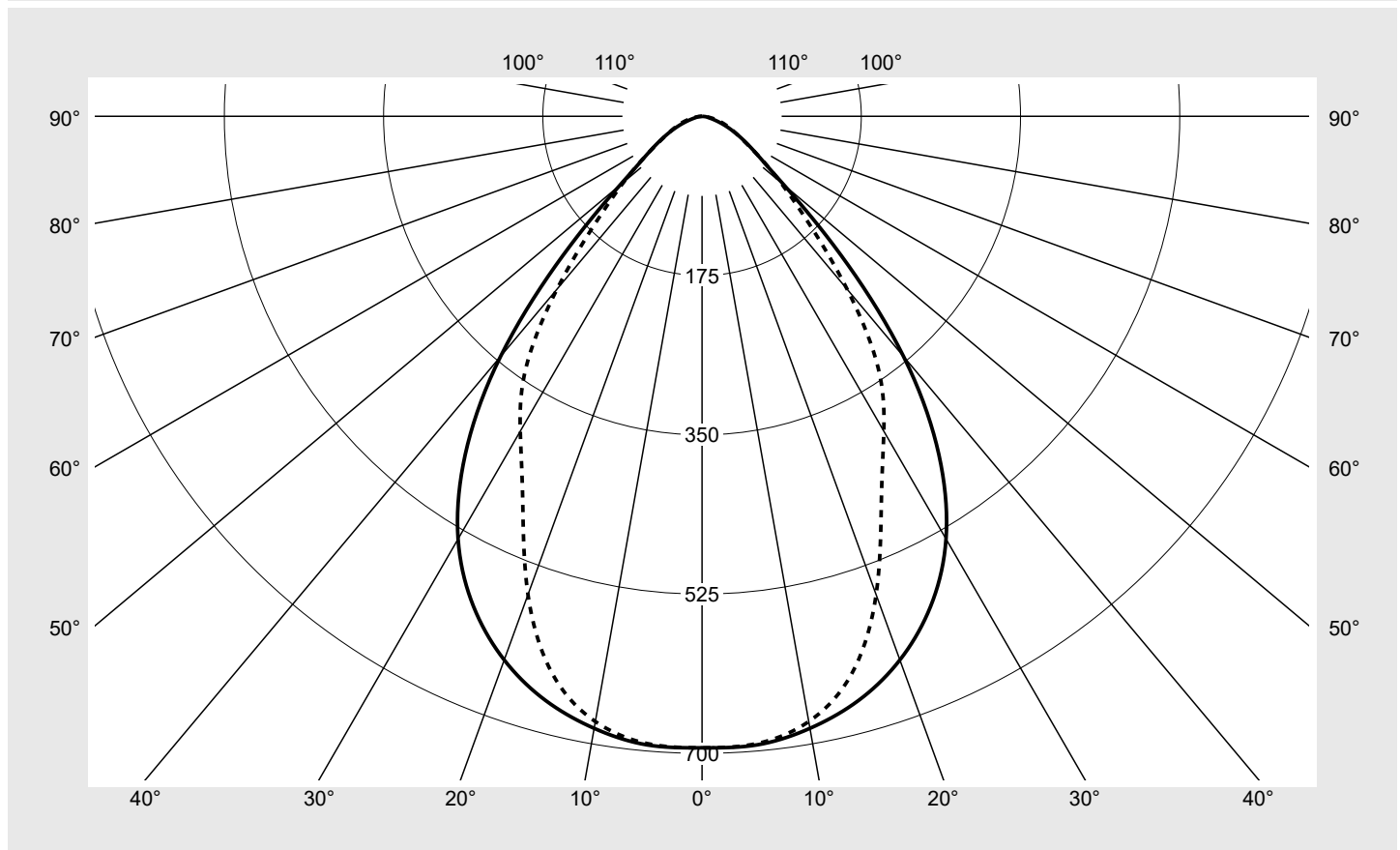
Seriendokumentation
24.08.2023

sitEco

Lichtstärke in cd/klm

C180-0 **C270-90**

Imax: 694 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=75 N2=94 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

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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°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
0°	694.0	694.0	694.0	694.0	694.0	694.0	694.0	4.2	4.2
5°	693.3	691.2	687.0	689.0	691.7	691.4	691.9	33.0	37.1
10°	682.9	681.6	676.2	676.6	677.1	675.1	675.3	64.5	101.6
15°	664.5	663.4	655.7	650.8	644.2	637.0	634.6	92.2	193.9
20°	635.7	634.6	621.8	603.7	582.0	564.8	559.4	112.6	306.5
25°	594.3	592.8	570.2	532.2	493.8	471.5	466.3	123.2	429.7
30°	536.3	532.4	496.5	443.5	408.6	399.3	399.5	125.5	555.2
35°	453.8	445.6	398.8	354.7	341.6	338.2	337.4	119.2	674.4
40°	344.5	330.9	285.8	265.8	259.9	251.4	248.0	99.2	773.7
45°	216.1	203.7	174.1	171.5	169.1	165.7	165.2	69.4	843.1
50°	117.9	113.3	108.5	113.4	112.2	111.3	112.1	47.2	890.2
55°	75.1	72.3	72.7	81.4	80.0	76.7	75.3	34.3	924.5
60°	52.8	51.4	52.2	58.3	58.9	53.9	51.6	25.9	950.4
65°	36.0	35.7	38.4	42.9	44.1	39.6	37.5	19.7	970.1
70°	22.2	22.5	25.4	30.3	32.0	29.3	27.4	14.1	984.2
75°	11.8	12.0	13.9	18.9	21.4	20.1	18.3	8.9	993.1
80°	6.2	6.2	6.9	9.4	11.9	11.6	10.1	4.9	998.0
85°	3.0	2.9	3.0	3.8	4.5	4.6	3.6	2.0	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	22,9	24,3	23,2	24,6	24,9	22,2	23,6	22,6	23,9	24,3
	3H	23,2	24,4	23,5	24,7	25,1	22,8	24,0	23,2	24,3	24,7
	4H	23,2	24,3	23,6	24,7	25,1	23,0	24,2	23,4	24,5	24,9
	6H	23,2	24,3	23,6	24,6	25,0	23,2	24,2	23,6	24,6	25,0
	8H	23,3	24,2	23,7	24,6	25,0	23,3	24,2	23,7	24,6	25,0
	12H	23,3	24,1	23,7	24,5	24,9	23,3	24,1	23,7	24,5	25,0
4H	2H	23,1	24,2	23,4	24,6	24,9	22,5	23,6	22,9	24,0	24,4
	3H	23,5	24,4	23,9	24,8	25,2	23,2	24,2	23,7	24,6	25,0
	4H	23,5	24,4	24,0	24,8	25,2	23,6	24,4	24,0	24,9	25,3
	6H	23,6	24,3	24,0	24,7	25,2	23,8	24,6	24,3	25,0	25,5
	8H	23,6	24,2	24,1	24,7	25,2	23,9	24,6	24,4	25,0	25,5
	12H	23,6	24,2	24,1	24,6	25,1	24,0	24,5	24,5	25,0	25,5
8H	4H	23,6	24,3	24,1	24,7	25,2	23,7	24,3	24,2	24,8	25,3
	6H	23,7	24,2	24,2	24,7	25,2	24,0	24,6	24,5	25,0	25,5
	8H	23,7	24,2	24,2	24,7	25,2	24,2	24,6	24,7	25,1	25,6
	12H	23,7	24,1	24,3	24,6	25,2	24,2	24,6	24,8	25,1	25,7
12H	4H	23,7	24,2	24,1	24,7	25,2	23,7	24,2	24,2	24,7	25,2
	6H	23,7	24,2	24,2	24,7	25,2	24,0	24,5	24,6	25,0	25,5
	8H	23,7	24,1	24,3	24,6	25,2	24,2	24,6	24,7	25,1	25,6

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

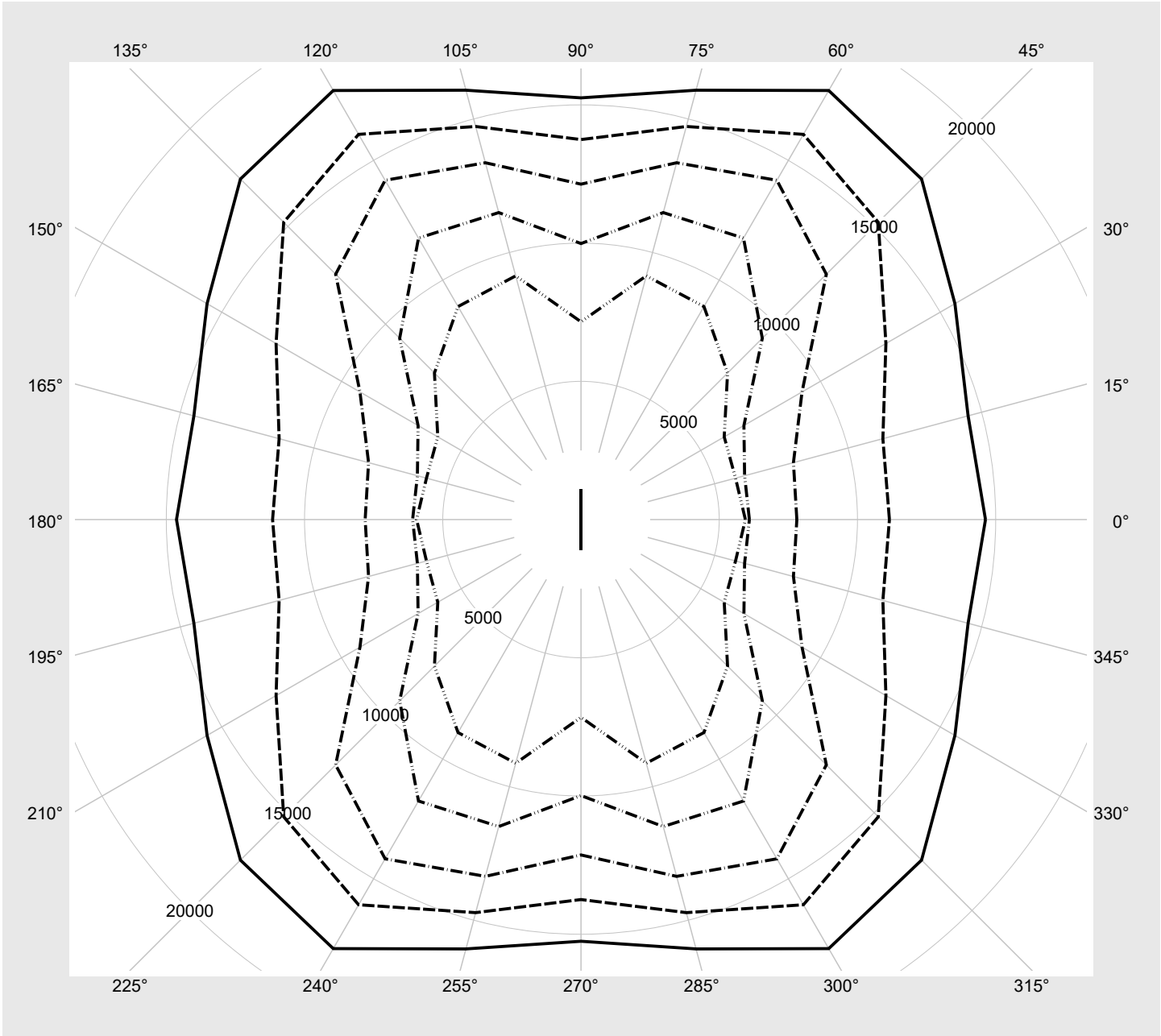
Lichttechnische Abmessungen in mm: **L = 1500**
B = 58

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°		52482.1	49473.1	42270.1	41644.5	41058.5	40240.5	40131.2
50°		31503.2	30266.8	28992.0	30300.5	29987.9	29732.8	29954.0
55°		22493.9	21636.8	21771.5	24370.5	23960.6	22973.8	22537.3
60°		18147.1	17644.3	17918.0	20026.1	20233.2	18528.0	17705.4
65°		14630.9	14496.0	15617.9	17421.6	17921.4	16079.0	15254.2
70°		11155.9	11304.5	12735.0	15207.7	16089.4	14720.2	13745.7
75°		7807.3	7955.3	9231.8	12550.6	14170.8	13362.0	12132.6
80°		6090.8	6126.4	6804.8	9275.1	11756.3	11496.2	9984.1
85°		5946.4	5786.8	5981.9	7497.0	8896.0	9126.5	7154.2

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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	14940	83.1
2	A	C	F	14037	77.5
3	A	D	E	12966	71.1
4	A	D	F	12032	65.4
5	B	C	E	11003	59.4
6	B	C	F	10037	53.9
7	B	D	E	8987	47.9
8	B	D	F	7990	42.4