

Photometric test report

Family
Taris®

Order number: **5MT116D03WD**
EAN: **4058352219058**

LP number
58214_27



Version recessed luminaire, Combined lens and reflector optics, direct distribution, UGR≤19 (L65≤3000cd/m²)

Lamps LED 3000 K | CRI ≥ 80

Controlgear ECG-DALI

Rated values Net luminous flux = 4560 lm
Power consumption = 28.9 W
Luminous efficacy = 157.8 lm/W

serial
documentation
16.11.2020

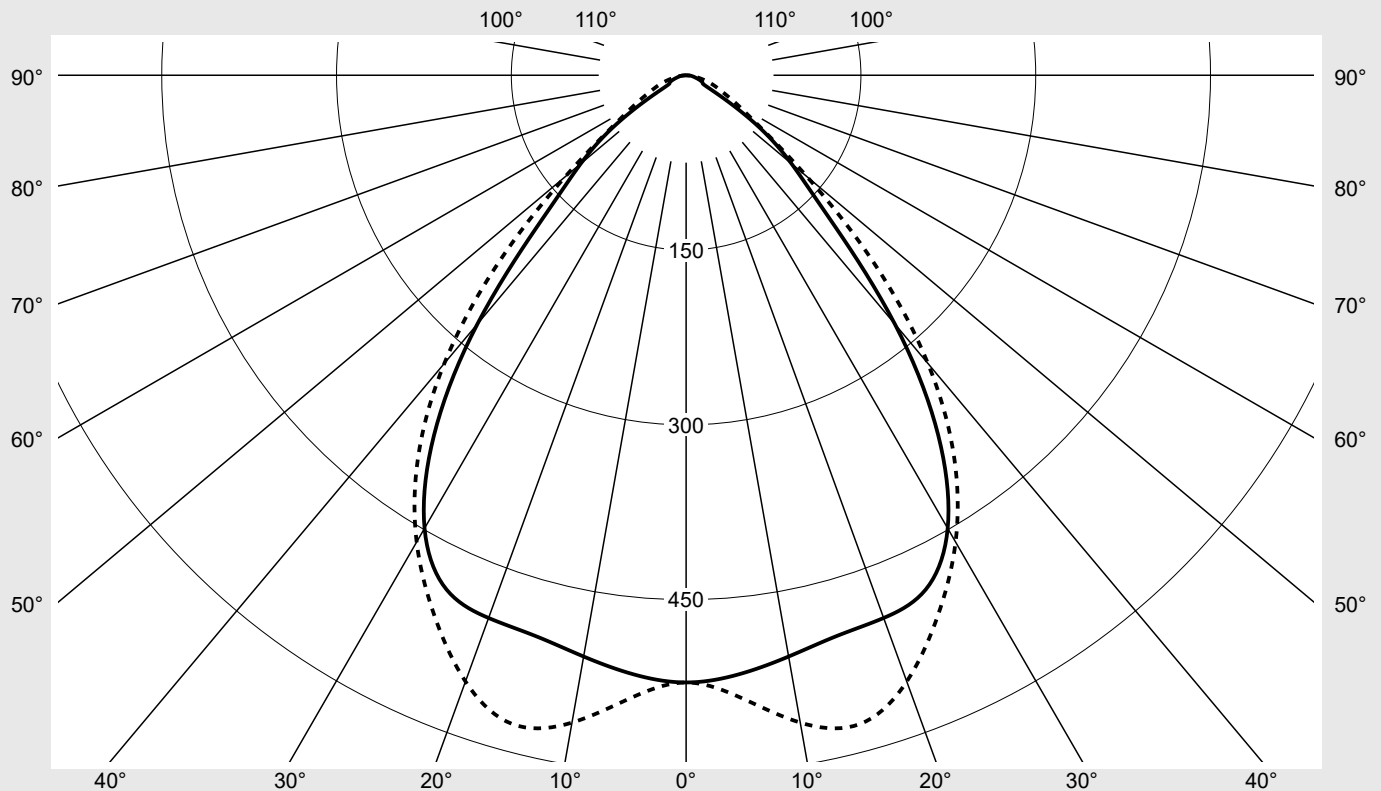
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 576 cd/klm



Classifications

DIN 5040 A 6 0
CIE N1=73 N2=96 N3=99
N4=100 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 100.0%
 ϕ_o 0.0%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
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C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm							Luminous flux in lm/klm		
0°	521.1	521.1	521.1	521.1	521.1	521.1	521.1	3.1	3.1
5°	516.1	520.3	519.9	524.0	528.9	533.3	536.1	25.1	28.2
10°	506.5	516.0	523.6	537.2	550.0	559.8	564.1	51.1	79.3
15°	498.3	513.9	530.8	551.3	564.9	572.7	576.4	77.3	156.7
20°	495.6	516.6	537.6	551.8	554.0	552.4	553.6	101.1	257.8
25°	486.8	512.0	535.3	531.0	517.4	511.0	511.3	119.9	377.7
30°	448.9	484.2	508.6	492.7	472.5	463.1	462.5	131.4	509.1
35°	377.3	415.7	446.9	441.4	421.7	403.5	401.2	132.0	641.1
40°	278.6	308.7	347.0	370.7	352.4	328.2	322.8	117.9	759.0
45°	174.5	195.1	230.9	272.3	262.2	235.2	228.3	90.3	849.2
50°	118.1	127.7	135.1	168.4	160.6	139.4	135.4	60.0	909.3
55°	72.5	79.8	88.9	92.6	82.0	78.0	77.7	37.1	946.4
60°	25.2	27.4	41.0	57.6	48.9	51.3	51.3	20.9	967.3
65°	15.6	15.5	17.0	29.2	33.4	34.9	35.1	12.9	980.2
70°	12.9	12.7	12.0	12.3	22.4	24.9	25.4	8.9	989.1
75°	8.8	8.7	8.3	8.9	9.8	17.1	16.4	5.8	994.9
80°	6.0	5.8	5.4	5.2	5.9	9.3	8.9	3.5	998.4
85°	3.3	3.2	3.0	2.7	2.7	3.1	3.0	1.6	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-Table	Standard room	siteco
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	17.4	18.8	17.7	19.1	19.4	18.0	19.4	18.3	19.7	20.0
	3H	17.4	18.6	17.7	19.0	19.3	18.2	19.5	18.6	19.8	20.2
	4H	17.4	18.5	17.8	18.9	19.2	18.3	19.5	18.7	19.8	20.2
	6H	17.4	18.4	17.8	18.8	19.2	18.4	19.5	18.8	19.8	20.2
	8H	17.4	18.4	17.8	18.8	19.2	18.5	19.4	18.9	19.8	20.2
	12H	17.4	18.3	17.8	18.7	19.1	18.5	19.4	18.9	19.7	20.2
4H	2H	17.5	18.6	17.8	19.0	19.3	18.0	19.2	18.4	19.5	19.9
	3H	17.4	18.4	17.9	18.8	19.2	18.3	19.3	18.7	19.7	20.1
	4H	17.5	18.3	17.9	18.7	19.2	18.5	19.3	18.9	19.7	20.2
	6H	17.5	18.2	17.9	18.6	19.1	18.6	19.3	19.1	19.8	20.2
	8H	17.5	18.2	18.0	18.6	19.1	18.6	19.3	19.1	19.7	20.2
	12H	17.5	18.1	18.0	18.6	19.1	18.7	19.2	19.2	19.7	20.2
8H	4H	17.4	18.1	17.9	18.5	19.0	18.4	19.1	18.9	19.5	20.0
	6H	17.5	18.0	18.0	18.5	19.0	18.5	19.1	19.0	19.6	20.1
	8H	17.5	18.0	18.0	18.4	19.0	18.6	19.1	19.1	19.6	20.1
	12H	17.5	17.9	18.1	18.4	19.0	18.6	19.0	19.2	19.5	20.1
12H	4H	17.4	18.0	17.9	18.4	18.9	18.4	19.0	18.9	19.4	19.9
	6H	17.5	17.9	18.0	18.4	18.9	18.5	19.0	19.0	19.5	20.0
	8H	17.5	17.9	18.0	18.4	18.9	18.6	19.0	19.1	19.5	20.0

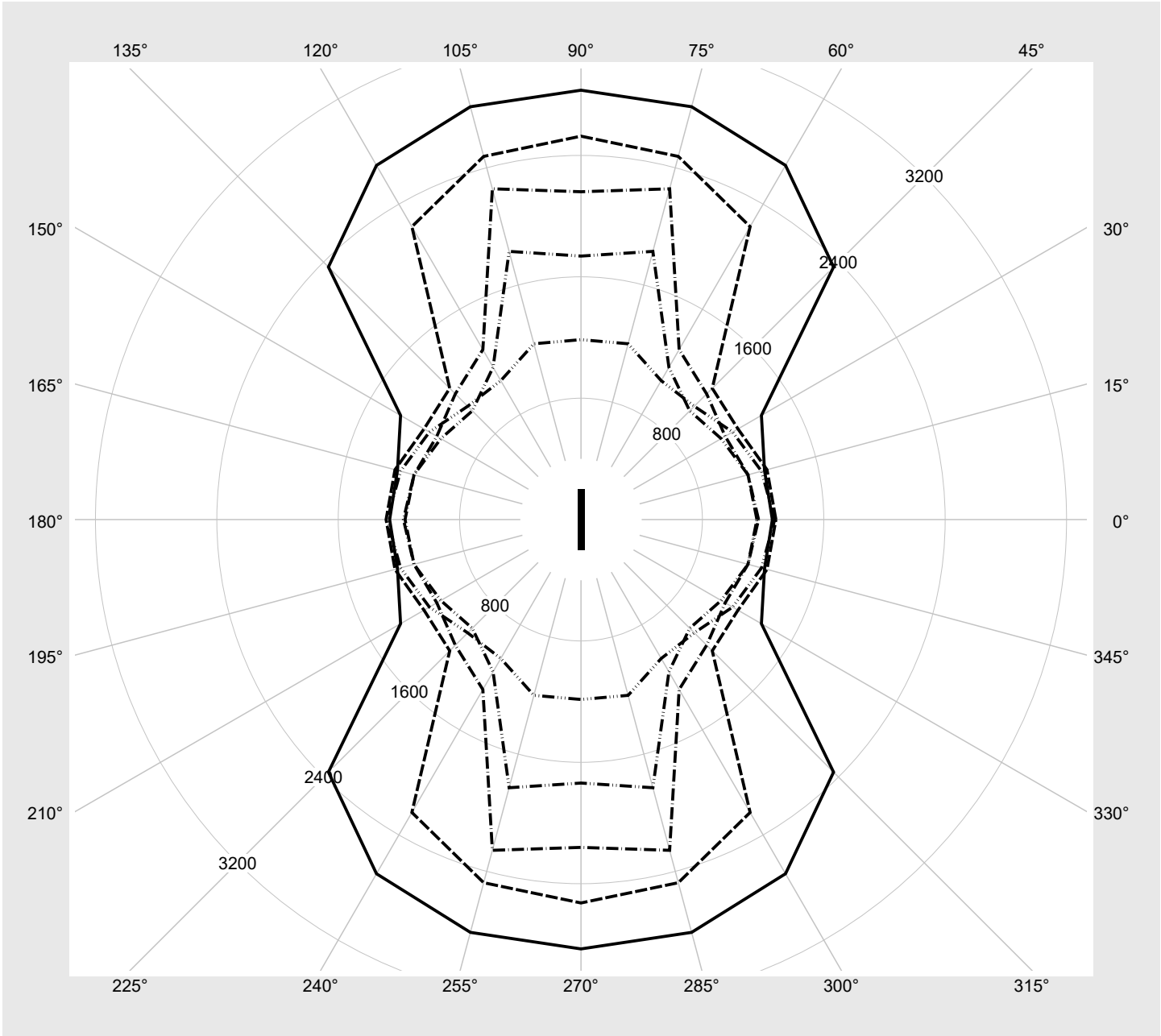
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1206 B = 111
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		8408.3	9399.4	11121.5	13118.5	12633.3	11329.7	10998.6	
50°		6257.6	6766.3	7161.9	8922.1	8509.7	7389.6	7174.3	
55°		4303.4	4740.0	5279.4	5498.9	4871.8	4630.5	4612.5	
60°		1718.6	1867.0	2796.4	3921.0	3333.2	3494.6	3497.9	
65°		1261.2	1252.2	1373.1	2354.1	2695.6	2816.8	2829.9	
70°		1284.6	1269.2	1194.7	1223.5	2229.2	2478.0	2527.0	
75°		1159.5	1139.4	1097.4	1171.4	1293.6	2256.9	2160.7	
80°		1170.1	1139.5	1066.8	1013.2	1159.0	1829.8	1736.7	
85°		1276.9	1231.5	1153.8	1056.0	1057.2	1199.5	1185.8	

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



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	4560	28.9
95	241	252	4336	27.5
90	228	250	4111	26.0
85	214	248	3868	24.5
80	201	246	3642	23.0
75	188	243	3414	21.6
70	175	241	3185	20.2
65	163	238	2972	18.9
60	150	236	2741	17.5
55	137	233	2509	16.1
50	124	229	2277	14.8
45	111	226	2043	13.4
40	99	222	1826	12.1
35	86	218	1587	10.7
30	74	213	1369	9.4
25	61	207	1131	8.1
20	49	201	911	6.8
15	37	194	689	5.6
10	24	184	449	4.3
5	12	173	225	3.2
2	6	164	113	2.5