

Photometric test report

Family
Taris®

Order number: 5MT316D03WD
EAN: 4058352219119

LP number
58211_5



Version Suspended luminaire, Combined lens and reflector optics, direct-/ indirect distribution, $UGR \leq 19$ ($L65 \leq 3000 \text{ cd/m}^2$)

Lamps LED 3000 K | CRI ≥ 80

Controlgear ECG-DALI

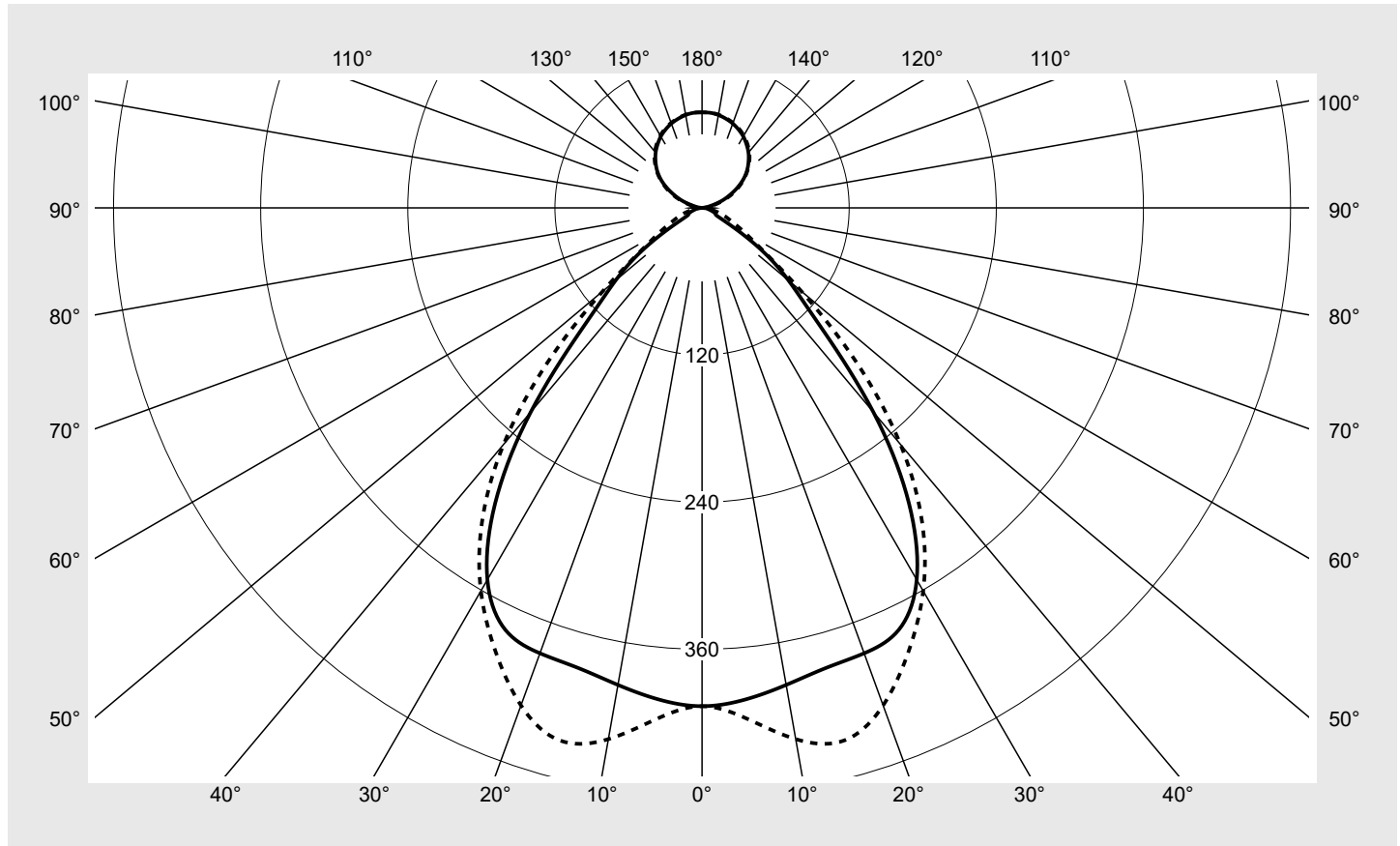
Rated values Net luminous flux = 5700 lm
Power consumption = 36.0 W
Luminous efficacy = 158.3 lm/W

serial
documentation
18.11.2020

siteco

Luminous intensity in cd/klm **C180-0** **C270-90**

Imax: 450 cd/klm



Classifications

DIN 5040 B 6 3
CIE N1=73 N2=96 N3=99
N4=78 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 78.0%
 ϕ_o 22.0%

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°	406.4	406.4	406.4	406.4	406.4	406.4	406.4	2.4	2.4
5°	402.6	405.8	405.5	408.7	412.6	415.9	418.1	19.6	22.0
10°	395.1	402.5	408.4	419.0	429.0	436.6	440.0	39.9	61.9
15°	388.7	400.8	414.0	430.0	440.6	446.7	449.6	60.3	122.2
20°	386.6	402.9	419.3	430.4	432.1	430.9	431.8	78.9	201.1
25°	379.7	399.4	417.6	414.2	403.6	398.5	398.9	93.5	294.6
30°	350.2	377.6	396.7	384.3	368.5	361.2	360.8	102.5	397.1
35°	294.3	324.3	348.5	344.3	328.9	314.7	312.9	102.9	500.0
40°	217.3	240.8	270.7	289.2	274.8	256.0	251.8	92.0	592.0
45°	136.1	152.2	180.1	212.4	204.6	183.4	178.1	70.4	662.4
50°	92.1	99.6	105.4	131.3	125.3	108.8	105.6	46.8	709.2
55°	56.5	62.3	69.3	72.2	64.0	60.8	60.6	29.0	738.2
60°	19.7	21.4	32.0	44.9	38.2	40.0	40.0	16.3	754.5
65°	12.2	12.1	13.3	22.8	26.1	27.3	27.4	10.0	764.6
70°	10.1	9.9	9.4	9.6	17.5	19.4	19.8	6.9	771.5
75°	6.9	6.8	6.5	6.9	7.7	13.4	12.8	4.5	776.0
80°	4.7	4.5	4.2	4.0	4.6	7.3	6.9	2.7	778.7
85°	2.5	2.5	2.3	2.1	2.1	2.4	2.4	1.3	780.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	780.0
95°	1.7	1.8	1.9	2.1	2.1	2.0	1.9	1.1	781.1
100°	4.3	4.5	4.9	5.5	6.0	5.9	5.9	2.9	784.0
105°	9.3	9.8	10.6	11.4	11.6	11.7	11.9	5.8	789.7
110°	17.5	17.9	18.2	18.3	18.7	19.1	19.3	9.5	799.2
115°	25.3	25.7	25.9	26.3	26.6	27.0	27.4	13.1	812.3
120°	33.6	33.9	34.3	34.3	34.4	34.6	35.0	16.3	828.6
125°	41.4	41.8	41.8	41.7	41.6	41.6	42.1	18.7	847.3
130°	48.0	48.2	48.1	48.2	47.9	48.0	48.7	20.2	867.5
135°	53.6	54.0	53.8	54.0	53.8	53.9	54.6	20.9	888.4
140°	58.9	59.2	59.1	59.0	58.9	59.2	59.8	20.8	909.3
145°	63.2	63.8	63.5	63.4	63.4	63.7	64.2	20.0	929.2
150°	67.3	67.6	67.3	67.3	67.3	67.6	68.1	18.5	947.7
155°	70.5	70.8	70.5	70.4	70.6	70.9	71.2	16.4	964.1
160°	73.2	73.3	73.1	73.0	73.3	73.5	73.8	13.7	977.8
165°	75.3	75.5	75.1	75.1	75.2	75.5	75.7	10.7	988.5
170°	76.9	77.0	76.5	76.5	76.7	76.9	77.2	7.3	995.8
175°	77.8	77.8	77.3	77.4	77.5	77.8	77.9	3.7	999.5
180°	77.9	77.9	77.9	77.9	77.9	77.9	77.9	0.5	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	15.9	17.0	16.5	17.6	18.4	16.5	17.6	17.1	18.2	19.0
	3H	15.7	16.7	16.4	17.4	18.2	16.6	17.5	17.3	18.2	19.0
	4H	15.7	16.6	16.4	17.3	18.1	16.7	17.6	17.4	18.3	19.1
	6H	15.7	16.5	16.4	17.2	18.1	16.8	17.6	17.5	18.3	19.1
	8H	15.7	16.4	16.4	17.1	18.0	16.7	17.4	17.5	18.2	19.0
	12H	15.6	16.3	16.4	17.1	17.9	16.7	17.4	17.4	18.1	19.0
4H	2H	15.8	16.7	16.5	17.4	18.2	16.4	17.3	17.1	18.0	18.8
	3H	15.7	16.5	16.5	17.2	18.1	16.6	17.4	17.3	18.1	18.9
	4H	15.7	16.4	16.5	17.1	18.0	16.7	17.4	17.5	18.1	19.0
	6H	15.7	16.3	16.5	17.1	18.0	16.9	17.4	17.6	18.2	19.1
	8H	15.7	16.2	16.5	17.0	17.9	16.8	17.3	17.6	18.1	19.0
	12H	15.7	16.2	16.5	16.9	17.9	16.9	17.3	17.6	18.1	19.0
8H	4H	15.6	16.1	16.4	16.9	17.8	16.6	17.1	17.4	17.9	18.8
	6H	15.6	16.0	16.4	16.8	17.8	16.7	17.1	17.5	17.9	18.9
	8H	15.6	16.0	16.4	16.8	17.8	16.8	17.1	17.6	17.9	18.9
	12H	15.7	16.0	16.5	16.8	17.8	16.8	17.1	17.6	17.9	18.9
12H	4H	15.6	16.0	16.4	16.8	17.8	16.6	17.0	17.4	17.8	18.7
	6H	15.6	16.0	16.4	16.8	17.7	16.7	17.1	17.5	17.9	18.8
	8H	15.7	16.0	16.5	16.8	17.7	16.8	17.1	17.6	17.9	18.8

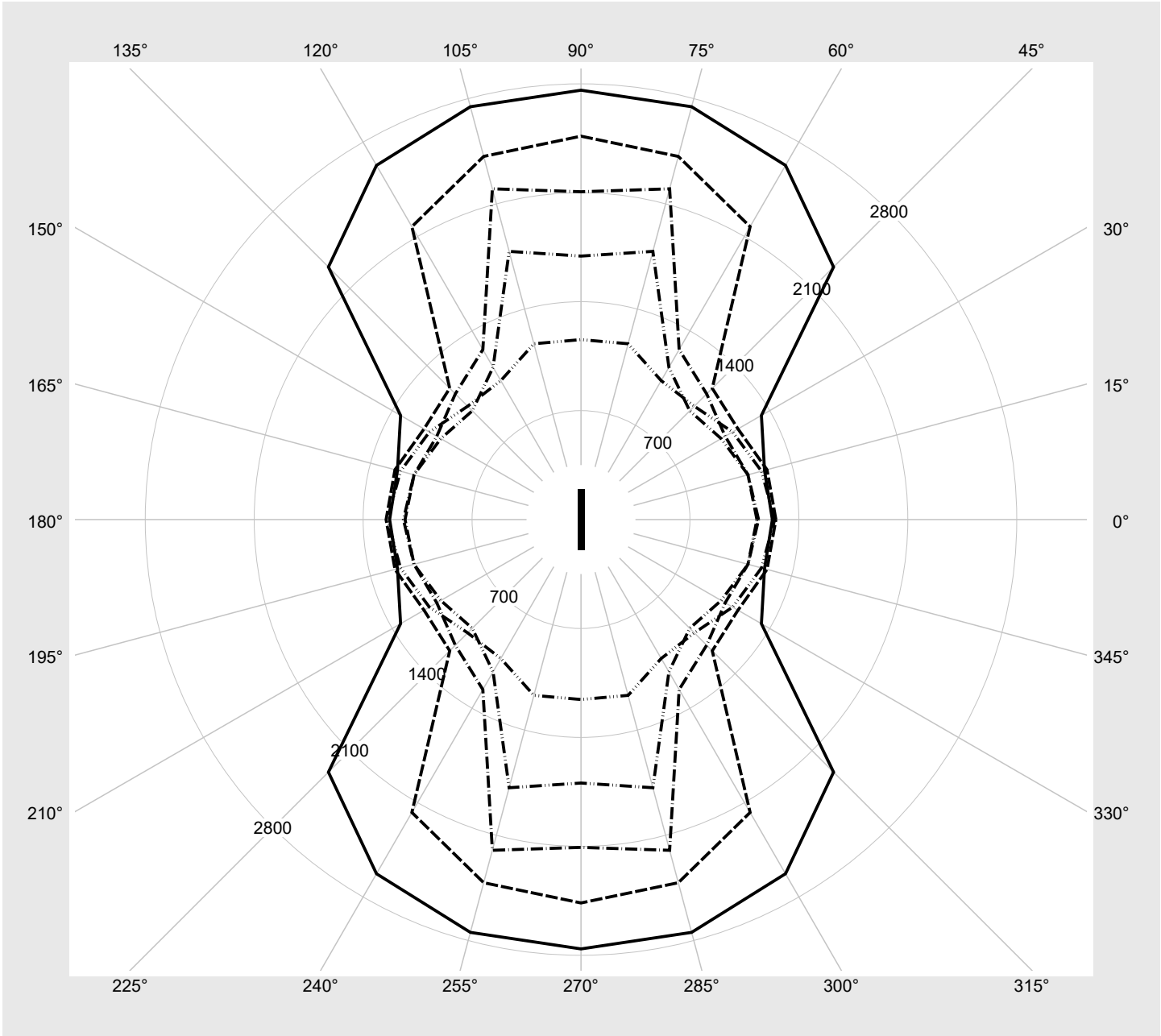
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1206 B = 111
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		8198.1	9164.4	10843.4	12790.5	12317.4	11046.5	10723.6	
50°		6101.1	6597.2	6982.9	8699.0	8297.0	7204.9	6994.9	
55°		4195.8	4621.5	5147.4	5361.5	4750.0	4514.7	4497.1	
60°		1675.6	1820.3	2726.5	3823.0	3249.9	3407.2	3410.5	
65°		1229.7	1220.8	1338.7	2295.2	2628.2	2746.4	2759.1	
70°		1252.4	1237.5	1164.8	1192.9	2173.4	2416.0	2463.8	
75°		1130.6	1110.8	1070.0	1142.1	1261.3	2200.4	2106.6	
80°		1141.0	1111.0	1040.2	987.9	1129.9	1784.1	1693.2	
85°		1244.8	1200.9	1125.1	1029.9	1030.8	1169.6	1156.4	

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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	5700	36.0
95	241	252	5421	34.1
90	228	250	5140	32.2
85	214	248	4836	30.3
80	201	245	4553	28.5
75	188	243	4268	26.6
70	175	240	3981	24.9
65	162	238	3694	23.2
60	150	235	3428	21.4
55	137	231	3138	19.7
50	124	228	2847	17.8
45	111	224	2554	16.2
40	99	219	2283	14.5
35	86	214	1986	12.7
30	74	209	1712	11.2
25	61	202	1414	9.6
20	49	194	1138	8.0
15	37	183	862	6.5
10	24	168	561	4.9
5	12	142	281	3.5
2	6	117	141	3.0