

Photometric test report

Family
Taris®

Order number: 5MT316D04WD
EAN: 4058352219065

LP number
58211_6



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

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG-DALI

Rated values Net luminous flux = 6130 lm
Power consumption = 35.9 W
Luminous efficacy = 170.8 lm/W

serial
documentation
18.11.2020

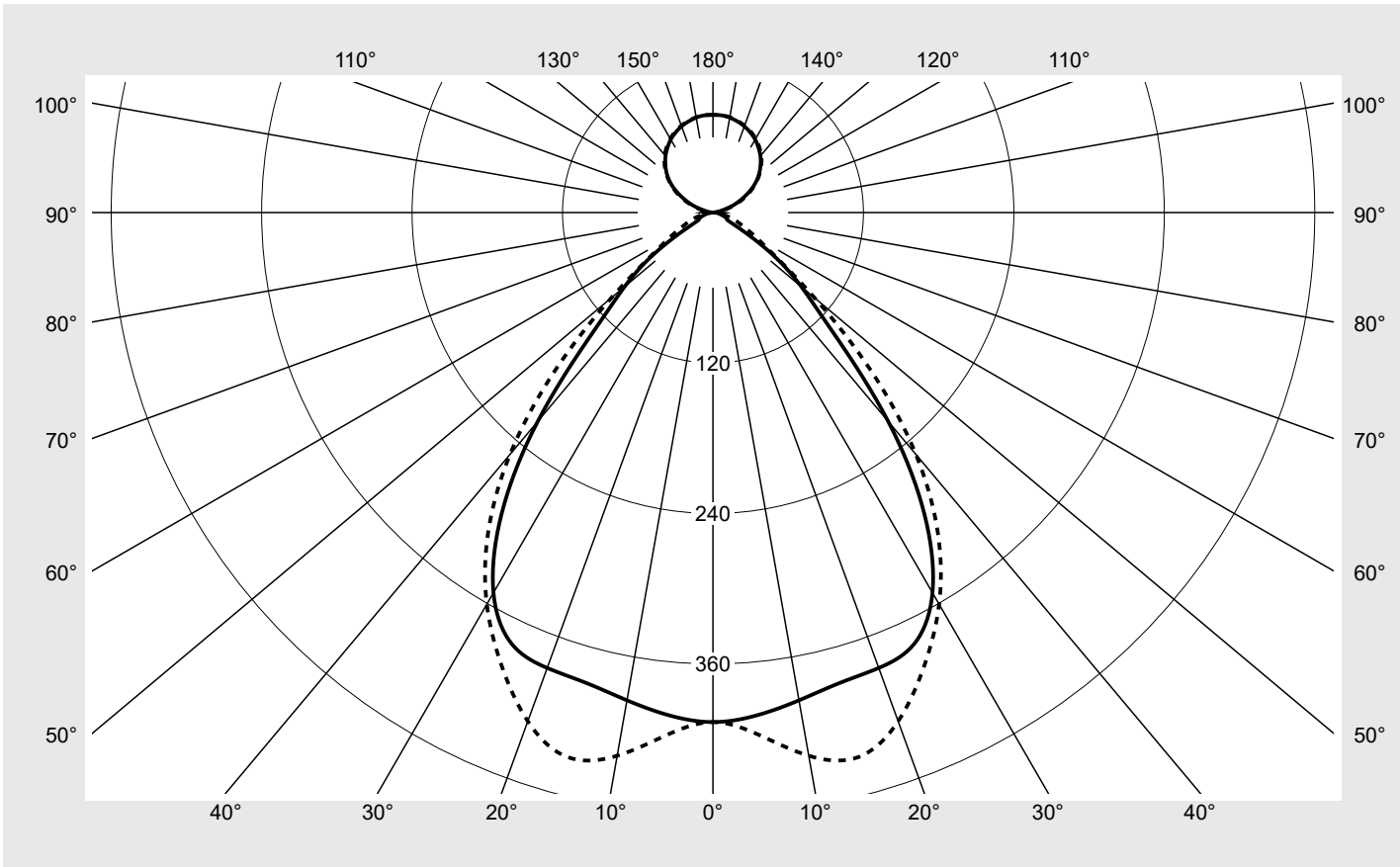
siteco

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
		siteco

C-planes γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Total	
								Phi-zone	Phi-zone
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	16.1	17.2	16.8	17.9	18.6	16.7	17.8	17.4	18.5	19.2
	3H	16.0	16.9	16.7	17.6	18.4	16.8	17.8	17.5	18.5	19.3
	4H	16.0	16.9	16.7	17.6	18.4	17.0	17.8	17.6	18.5	19.4
	6H	16.0	16.8	16.7	17.5	18.3	17.0	17.8	17.7	18.5	19.4
	8H	15.9	16.6	16.6	17.4	18.2	17.0	17.7	17.7	18.4	19.3
	12H	15.9	16.6	16.6	17.3	18.2	17.0	17.6	17.7	18.4	19.2
4H	2H	16.1	16.9	16.8	17.6	18.5	16.6	17.5	17.3	18.2	19.0
	3H	16.0	16.7	16.7	17.5	18.3	16.9	17.6	17.6	18.3	19.2
	4H	16.0	16.6	16.7	17.4	18.3	17.0	17.7	17.7	18.4	19.3
	6H	16.0	16.6	16.8	17.3	18.2	17.1	17.7	17.9	18.4	19.3
	8H	15.9	16.4	16.7	17.2	18.1	17.1	17.6	17.9	18.4	19.3
	12H	16.0	16.4	16.8	17.2	18.1	17.1	17.5	17.9	18.3	19.3
8H	4H	15.9	16.4	16.6	17.1	18.1	16.8	17.4	17.6	18.1	19.1
	6H	15.9	16.3	16.7	17.1	18.0	17.0	17.4	17.7	18.2	19.1
	8H	15.9	16.3	16.7	17.1	18.0	17.0	17.4	17.8	18.2	19.1
	12H	16.0	16.3	16.8	17.1	18.0	17.1	17.4	17.9	18.2	19.1
12H	4H	15.9	16.3	16.6	17.1	18.0	16.8	17.3	17.6	18.1	19.0
	6H	15.9	16.2	16.7	17.0	18.0	17.0	17.3	17.8	18.1	19.1
	8H	15.9	16.2	16.7	17.0	18.0	17.0	17.3	17.8	18.1	19.1

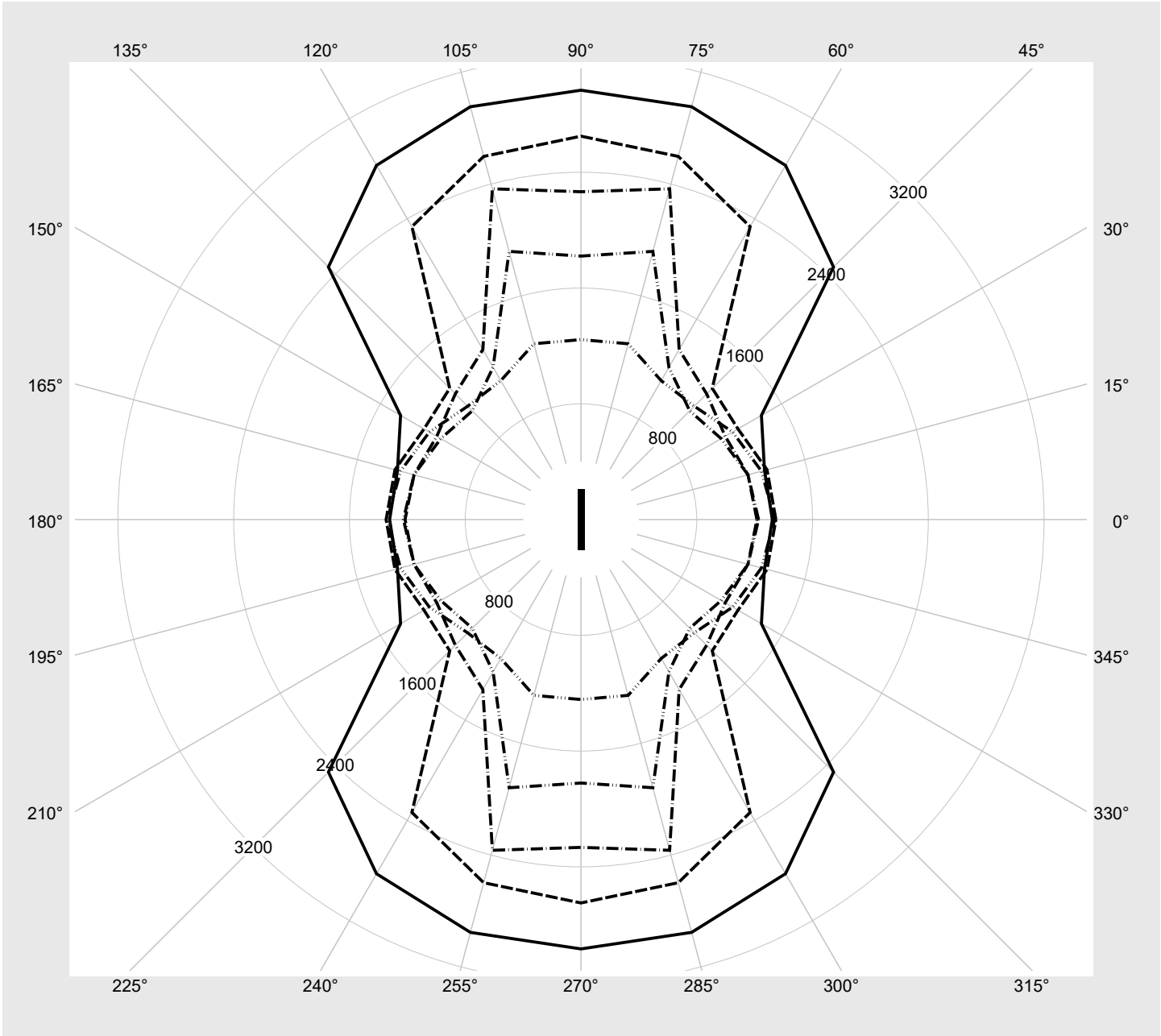
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1206 B = 111
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		8816.5	9855.8	11661.4	13755.4	13246.6	11879.8	11532.6	
50°		6561.4	7094.8	7509.7	9355.3	8922.9	7748.5	7522.6	
55°		4512.3	4970.2	5535.7	5765.9	5108.3	4855.3	4836.4	
60°		1802.0	1957.6	2932.2	4111.4	3495.0	3664.3	3667.8	
65°		1322.5	1312.9	1439.7	2468.4	2826.5	2953.6	2967.3	
70°		1346.9	1330.8	1252.6	1282.9	2337.4	2598.2	2649.6	
75°		1215.8	1194.6	1150.7	1228.2	1356.5	2366.4	2265.5	
80°		1227.0	1194.9	1118.6	1062.5	1215.2	1918.7	1820.9	
85°		1338.7	1291.4	1210.0	1107.6	1108.6	1257.8	1243.6	

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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	6130	35.9
95	241	252	5829	34.1
90	228	250	5527	32.2
85	214	248	5200	30.2
80	201	245	4895	28.5
75	188	243	4588	26.6
70	175	240	4280	24.9
65	163	238	3995	23.3
60	150	235	3684	21.4
55	137	231	3373	19.6
50	124	228	3059	17.8
45	112	224	2769	16.3
40	99	219	2453	14.5
35	87	215	2158	12.9
30	74	209	1839	11.2
25	62	202	1544	9.8
20	49	194	1223	8.0
15	37	183	926	6.5
10	24	168	602	4.9
5	12	142	302	3.5
2	6	117	152	3.0