

## Luminaire

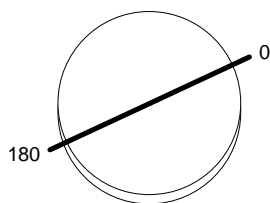
Code M057783\_N+M057500  
Name CATA TW BINARIO DIMM DALI + OTTICA SPOT \_ cold light

## Measurem.

Code FTS1601964  
Name CATA TW BINARIO DIMM DALI + OTTICA SPOT \_ cold light

Luminaire Flux	444.64 lm	Luminaire Power	23.00 W	Efficacy	19.33 lm/W	Efficiency	100.00%
Lamps Flux	444.64 lm	Maximum value	19147.49 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical
Round Luminaire		Diam.	130 mm	Height	200 mm		
Round Luminous Area		Diam.	125 mm	Height	95 mm		
Horizontal Luminous Area		0.012272 m2		Emitting area on Plane 180°		0.011875 m2	
Emitting area on Plane 0°		0.011875 m2		Emitting area on Plane 270°		0.011875 m2	
Emitting area on Plane 90°		0.011875 m2		Glare area at 76°		0.014491 m2	
Coordinate system		CG		Symmetry Type		Rotosymmetrical	
Date		31-05-2016		Maximum Gamma Angle		180	
Measurement Distance		0.00		Measurement Flux		444.64 lm	
LED Flux=1410lm LED Power=17W Eff=32% EfcLed=83lm/W EfcLum=19lm/W Ra=90 SDCM=4 L70(6K)=50000h							
C.I.E.	66 80 96 100 100			D DIN 5040	A50		
F UTE	1.00 C			B NBN	BZ 1 / 1 / BZ 2 / 2.5 / BZ 3		

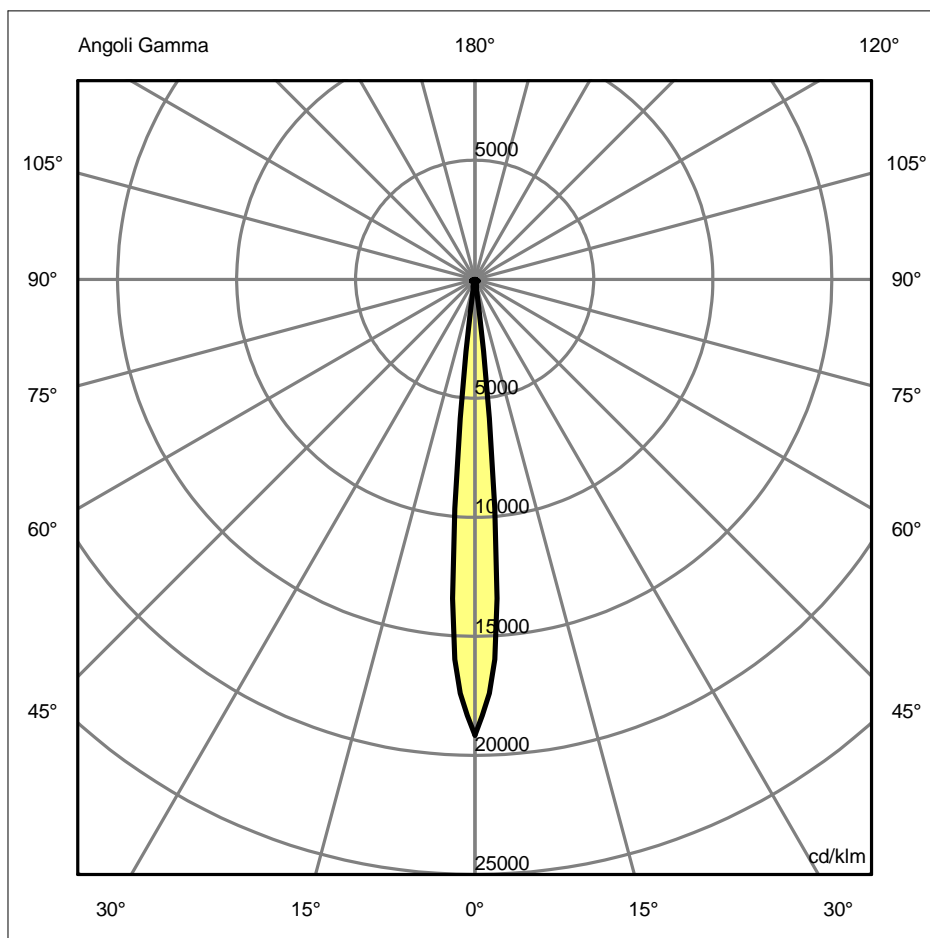
Diam=130mm



Semipiani C

180.0 ——— 0.0

ULOR 0.04 %  
DLOR 99.96 %  
RN 0.04 %



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## Measurement

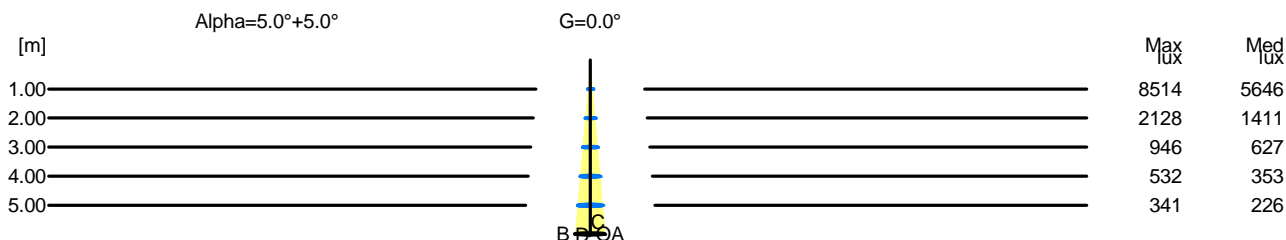
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C.I.E.	66 80 96 100 100			D DIN 5040	A50		
F UTE	1.00 C			B NBN	BZ 1 / 1 / BZ 2 / 2.5 / BZ 3		

Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.09	0.18	0.26	0.35	0.44	OC	0.09	0.18	0.26	0.35	0.44
OB	0.09	0.18	0.26	0.35	0.44	OD	0.09	0.18	0.26	0.35	0.44

	Luminous Intensities [ cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	8513.74	4295.63	114.54	24.92	17.95	19.69	54.15	55.92	26.55	9.29
OB	8513.74	4295.63	114.54	24.92	17.95	19.69	54.15	55.92	26.55	9.29
OC	8513.74	4295.63	114.54	24.92	17.95	19.69	54.15	55.92	26.55	9.29
OD	8513.74	4295.63	114.54	24.92	17.95	19.69	54.15	55.92	26.55	9.29



H[m]	D[m]	Max lux	Med lux	Alpha=5.0°+5.0°	G=0.0
1.00	0.18	8514	5646		
2.00	0.35	2128	1411		
3.00	0.53	946	627		
4.00	0.70	532	353		
5.00	0.88	341	226		

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Lamps Flux	444.64 lm	Maximum value	19147.49 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

UGR  
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	15.8	16.9	16.1	17.1	17.4	15.8	16.9	16.1	17.1	17.4
x=2H y=3H	17.4	18.4	17.7	18.7	18.9	17.4	18.4	17.7	18.7	18.9
x=2H y=4H	17.9	18.8	18.2	19.1	19.4	17.9	18.8	18.2	19.1	19.4
x=2H y=6H	18.2	19.1	18.5	19.4	19.7	18.2	19.1	18.5	19.4	19.7
x=2H y=8H	18.3	19.1	18.6	19.5	19.8	18.3	19.1	18.6	19.5	19.8
x=2H y=12H	18.3	19.2	18.7	19.5	19.8	18.3	19.2	18.7	19.5	19.8
x=4H y=2H	17.0	17.9	17.3	18.2	18.5	17.0	17.9	17.3	18.2	18.5
x=4H y=3H	18.4	19.2	18.8	19.6	19.9	18.4	19.2	18.8	19.6	19.9
x=4H y=4H	18.9	19.7	19.3	20.0	20.4	18.9	19.7	19.3	20.0	20.4
x=4H y=6H	19.4	20.0	19.8	20.4	20.8	19.4	20.0	19.8	20.4	20.8
x=4H y=8H	19.5	20.1	19.9	20.5	20.9	19.5	20.1	19.9	20.5	20.9
x=4H y=12H	19.6	20.1	20.0	20.5	20.9	19.6	20.1	20.0	20.5	20.9
x=8H y=4H	19.2	19.8	19.6	20.1	20.6	19.2	19.8	19.6	20.1	20.6
x=8H y=6H	19.7	20.2	20.2	20.6	21.1	19.7	20.2	20.2	20.6	21.1
x=8H y=8H	19.9	20.3	20.4	20.8	21.2	19.9	20.3	20.4	20.8	21.2
x=8H y=12H	20.0	20.4	20.5	20.8	21.3	20.0	20.4	20.5	20.8	21.3
x=12H y=4H	19.2	19.7	19.6	20.1	20.6	19.2	19.7	19.6	20.1	20.6
x=12H y=6H	19.8	20.2	20.2	20.6	21.1	19.8	20.2	20.2	20.6	21.1
x=12H y=8H	20.0	20.3	20.4	20.8	21.3	20.0	20.3	20.4	20.8	21.3