



PENTA

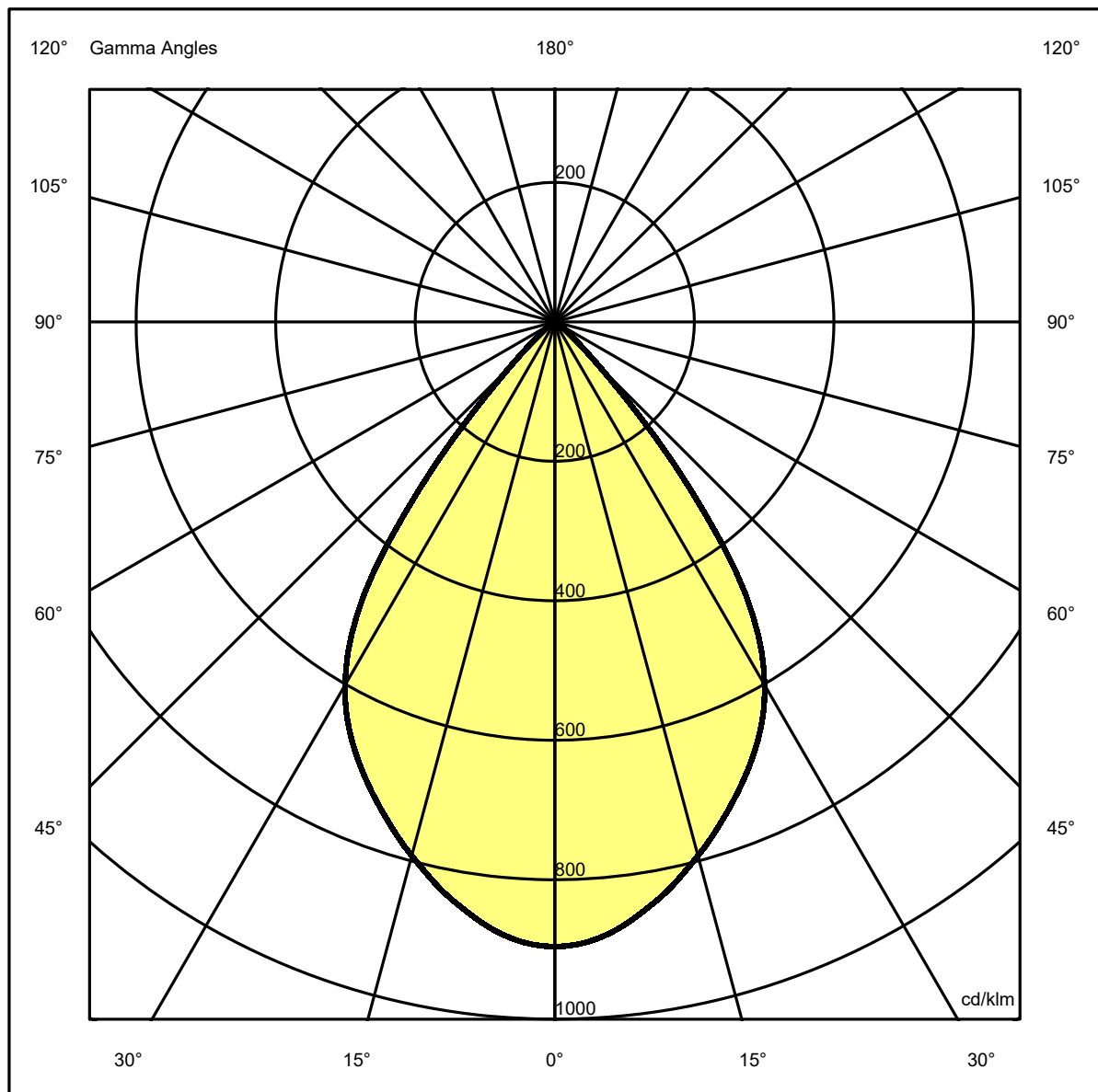
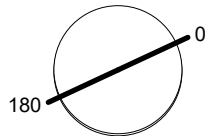
Luminaire
Code 2304-20-0000-N0WE
Name HAIL suspension 2700K
Measurement
Code 2304-20-0000-N0WE
Name HAIL suspension 2700K

Luminaire Flux	152 lm	Luminaire Power	4.0 W	Efficacy	38.055 lm/W	Efficiency	100.00%
Source Flux	152 lm	Maximum value	896.13 cd/klm	Position	C=0.00 G=0.00	CG Rotosymmetrical	

Diam=30mm

C Halfplanes

180.0 ————— 0.0



Luminaire

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Measurement

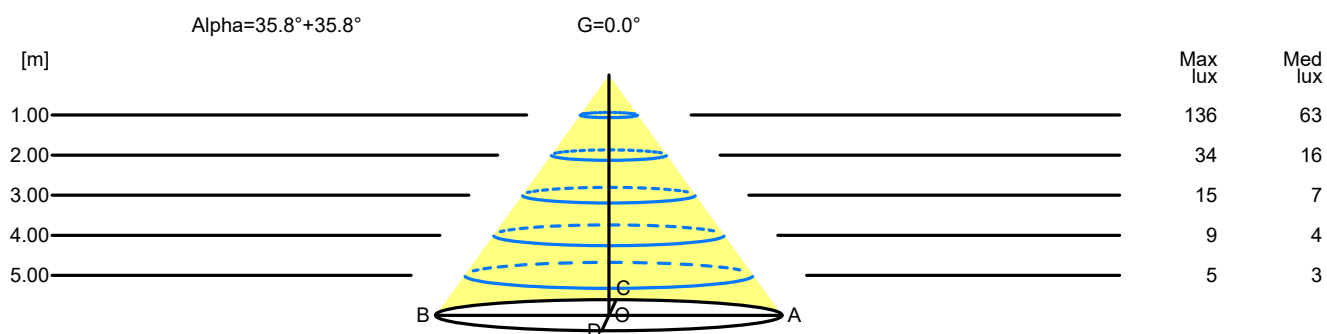
Code 2304-20-0000-N0WE
Name HAIL suspension 2700K

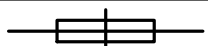
Luminaire Flux	152 lm	Luminaire Power	4.0 W	Efficacy	38.055 lm/W	Efficiency	100.00%
Source Flux	152 lm	Maximum value	896.13 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

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	0.72	1.44	2.16	2.88	3.60	OC	0.72	1.44	2.16	2.88	3.60
OB	0.72	1.44	2.16	2.88	3.60	OD	0.72	1.44	2.16	2.88	3.60

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	136.41	134.11	120.64	103.23	72.49	13.71	2.18	0.11	0.04	0.00
OB	136.41	134.11	120.64	103.23	72.49	13.71	2.18	0.11	0.04	0.00
OC	136.41	134.11	120.64	103.23	72.49	13.71	2.18	0.11	0.04	0.00
OD	136.41	134.11	120.64	103.23	72.49	13.71	2.18	0.11	0.04	0.00



H[m]	D[m]	Max lux	Med lux	Alpha=35.8°+35.8°	G=0.0	
1.00	1.44	136	63			
2.00	2.88	34	16			
3.00	4.32	15	7			
4.00	5.77	9	4			
5.00	7.21	5	3			

Luminaire

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Measurem.

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Luminaire Flux	152 lm	Luminaire Power	4.0 W	Efficacy	38.055 lm/W	Efficiency	100.00%
Source Flux	152 lm	Maximum value	896.13 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
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions										
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	24.1	24.9	24.4	25.1	25.2	24.1	24.9	24.4	25.1	25.2
x=2H y=3H	24.0	24.6	24.3	24.9	25.1	24.0	24.6	24.3	24.9	25.1
x=2H y=4H	23.9	24.5	24.2	24.8	25.0	23.9	24.5	24.2	24.8	25.0
x=2H y=6H	23.9	24.4	24.2	24.7	25.0	23.9	24.4	24.2	24.7	25.0
x=2H y=8H	23.8	24.4	24.2	24.6	24.9	23.8	24.4	24.2	24.6	24.9
x=2H y=12H	23.8	24.3	24.1	24.6	24.9	23.8	24.3	24.1	24.6	24.9
x=4H y=2H	23.9	24.6	24.2	24.8	25.1	23.9	24.6	24.2	24.8	25.1
x=4H y=3H	23.8	24.3	24.1	24.6	24.9	23.8	24.3	24.1	24.6	24.9
x=4H y=4H	23.7	24.1	24.1	24.5	24.8	23.7	24.1	24.1	24.5	24.8
x=4H y=6H	23.6	24.0	24.0	24.4	24.8	23.6	24.0	24.0	24.4	24.8
x=4H y=8H	23.6	23.9	24.0	24.3	24.7	23.6	23.9	24.0	24.3	24.7
x=4H y=12H	23.6	23.8	24.0	24.2	24.7	23.6	23.8	24.0	24.2	24.7
x=8H y=4H	23.6	23.9	24.0	24.3	24.7	23.6	23.9	24.0	24.3	24.7
x=8H y=6H	23.5	23.8	24.0	24.2	24.6	23.5	23.8	24.0	24.2	24.6
x=8H y=8H	23.5	23.7	23.9	24.1	24.6	23.5	23.7	23.9	24.1	24.6
x=8H y=12H	23.4	23.6	23.9	24.0	24.5	23.4	23.6	23.9	24.0	24.5
x=12H y=4H	23.6	23.8	24.0	24.2	24.7	23.6	23.8	24.0	24.2	24.7
x=12H y=6H	23.5	23.7	23.9	24.1	24.6	23.5	23.7	23.9	24.1	24.6
x=12H y=8H	23.4	23.6	23.9	24.0	24.5	23.4	23.6	23.9	24.0	24.5