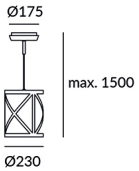
LEDS C4

00-5688-05-M1

V0

Train Round ø230 mm Suspension

Designer: Manel Lluscà



Description

Suspension à usage intérieur pour éclairer vers le bas.

Design contemporain. Durabilité élevée pour usage intensif. Matière structure: Acier, Aluminium. Finition structure: Noir. Matière diffuseur: PMMA. Finition diffuseur: Sablé. Garantie: 5 Ans.

Finition
Noir
Sablé

Matière
Acier
Aluminium
PMMA

IP20 4

CARACTÉRISTIQUES TECHNIQUES

Source lumineuse
Source lumineuse: LED SAMSUNG
Puissance (W): 15.6W
Consommation totale (W): 17.8
Température de couleur: Blanc chaud - 2 700 K
CRI: 80
Risque photobiologique: RG0
Lumens réels: 473
Nbr de LED: 99
Lm/W réels: 27
Durée de vie: 50.000h L80B20
Bin / Grup: WA/WB
MacAdam steps: 3
Facteur UGR: 16.9

ÉQUIPEMENT
Marque: EAGLERISE
Équipement compris: Oui, électronique
Tension / Fréquence: 220-240
Facteur de puissance: 0.96
Protocole du règlement: PHASE CUT

Luminaire
Garantie: 5 Ans

Logistique
Efficacité énergétique: LED A++
Code EAN: 8435381463496
Poids net (kg): 2.370
Poids en kg (emballé): 3.660
Boîte: 280 x 280 x 400
Masterbox: 4

La finition de la photographie peut ne pas coïncider avec celle de la référence. Pour identifier la finition réelle, voir la description de cette dernière.

EIP020C0500LSD1L

compatible Triac Light Dimmer	BERKER 2873
	BERKER 286710
	Busch 2247 U
	Busch 6519 U
	JUNG 225 NV DE

Luminaire
Code 00-5688-05-M1
Name Colgante TRAIN led 15.6W 2700K
Measurem.
Code CL116A17F085G
Name Colgante TRAIN led 15.6W 2700K

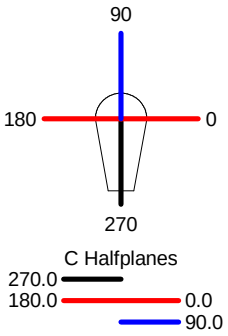
Luminaire Flux	472.86 lm	Luminaire Power	17.26 W	Efficacy	27.40 lm/W	Efficiency	100.00%
Lamps Flux	472.86 lm	Maximum value	475.68 cd/klm	Position	C=0.00 G=0.00	CG	Sym. on planes 270-90

Round Luminaire	Diam. 230 mm	Height	280 mm
Round Luminous Area	Diam. 222 mm	Height	0 mm
Horizontal Luminous Area	0.038708 m2	Emitting area on Plane 180°	0.000000 m2
Emitting area on Plane 0°	0.000000 m2	Emitting area on Plane 270°	0.000000 m2
Emitting area on Plane 90°	0.000000 m2	Glare area at 76°	0.009364 m2
Coordinate system	CG Roads	Symmetry Type	Sym. on planes 270-90
Date	15-03-2017	Maximum Gamma Angle	90
Measurement Distance	0.00	Measurement Flux	472.86 lm
Operator	Asselum T2	Source Voltage [V]	
Temperature	25.00 °C	Source current [A]	
Humidity	60.00 %	Photocell	
Notes			

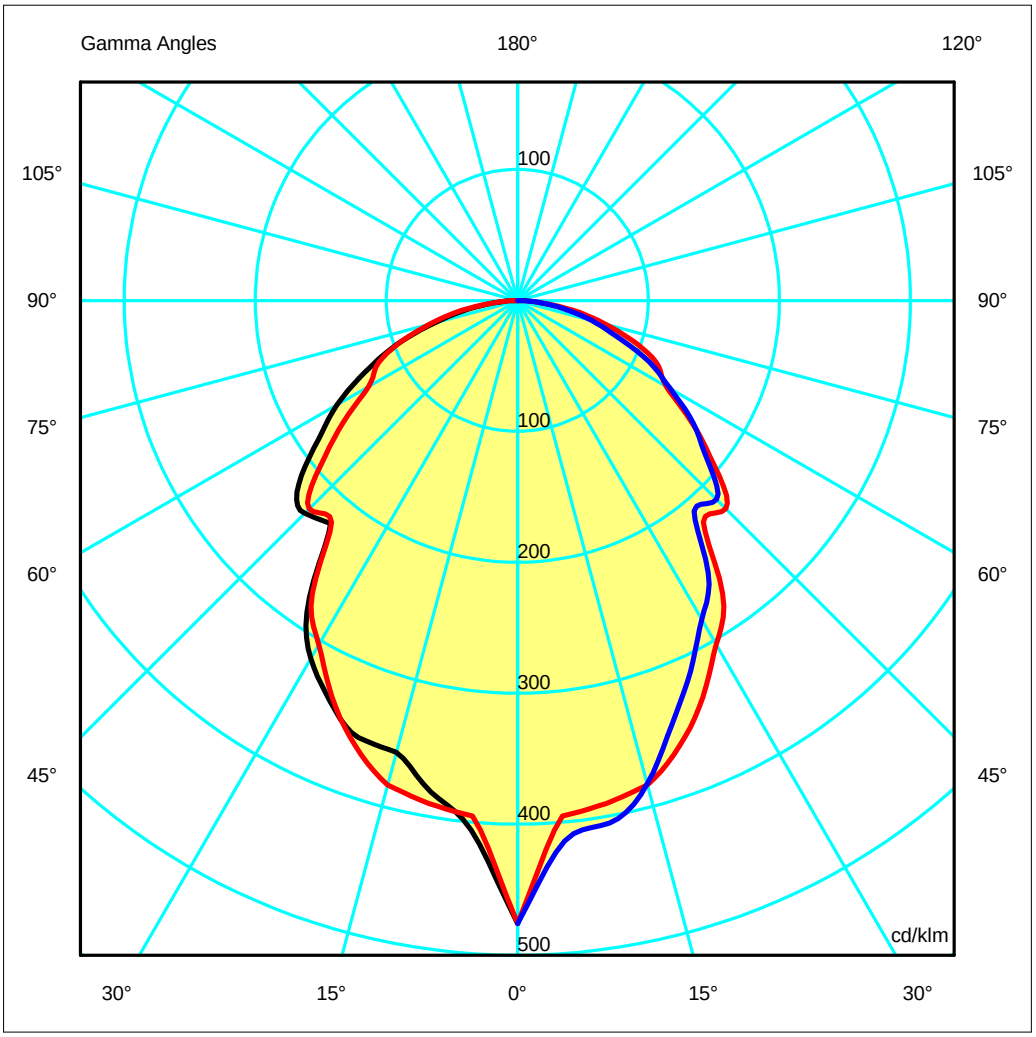
Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	00-5687-05-M1	00-5687-05-M1	472.86	17.26	1

C.I.E. 49 79 95 100 100 D DIN 5040 A30



ULOR 0.00 %
DLOR100.00 %
RN 0.00 %



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Luminous Intensity Table cd/klm **Table 1/1**

	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	475.68	475.68	475.68	475.68	475.68	475.68	475.68	475.68	475.68	475.68	475.68	475.68	475.68
G 5.0	405.86	402.80	401.60	402.85	397.32	405.22	395.07	396.63	400.03	395.92	400.04	393.55	414.21
G 10.0	381.04	389.51	392.09	400.53	396.51	400.60	389.99	376.05	389.10	375.06	387.89	400.05	405.21
G 15.0	357.10	370.30	382.53	398.01	367.07	396.15	382.92	361.62	358.34	362.90	385.58	392.09	382.33
G 20.0	355.25	354.69	359.21	380.32	333.45	377.86	361.78	342.87	352.28	342.78	368.60	373.29	344.43
G 25.0	337.99	330.93	332.85	357.05	300.04	356.54	334.54	319.80	345.14	322.35	340.79	347.48	312.42
G 30.0	315.52	310.80	296.90	328.86	269.58	325.63	303.39	300.82	324.78	300.87	312.83	317.01	281.28
G 35.0	276.86	280.49	269.04	287.02	238.81	287.20	273.04	265.85	294.88	269.56	277.53	272.70	253.80
G 40.0	222.11	227.03	218.87	231.53	197.80	228.82	220.84	219.61	254.38	219.37	240.46	220.62	209.83
G 45.0	229.60	232.64	222.62	237.23	205.36	237.02	224.95	221.44	185.23	221.22	232.18	227.35	214.92
G 50.0	217.96	191.25	189.53	209.85	178.81	205.51	196.12	188.76	229.75	188.39	205.97	198.79	188.90
G 55.0	185.91	194.39	154.62	175.75	150.92	176.19	162.51	185.69	198.90	185.81	174.23	164.61	164.03
G 60.0	158.79	168.78	129.27	148.95	128.01	145.61	131.08	156.30	171.44	157.20	137.90	140.23	134.61
G 65.0	127.49	136.78	117.84	112.83	96.20	113.95	118.72	128.10	140.12	127.11	125.81	102.66	110.95
G 70.0	97.62	108.89	91.14	84.88	70.40	81.77	97.06	97.12	111.34	99.80	104.72	75.59	81.03
G 75.0	64.71	77.29	65.94	58.06	47.16	59.28	68.75	69.78	80.69	67.51	79.89	51.14	58.25
G 80.0	38.73	50.45	36.13	38.81	25.88	35.85	43.02	38.98	52.25	41.89	49.35	31.65	35.52
G 85.0	14.58	21.38	13.83	17.09	9.67	17.99	16.79	15.87	24.89	13.72	24.70	10.95	15.81
G 90.0	2.72	2.55	1.52	2.44	2.51	2.37	1.48	2.56	2.74	2.53	1.55	2.47	2.74

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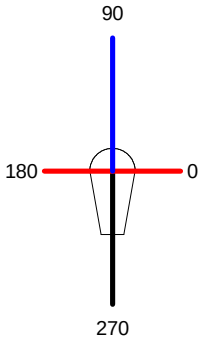

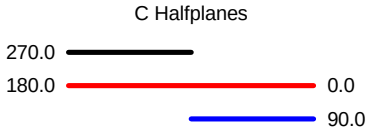

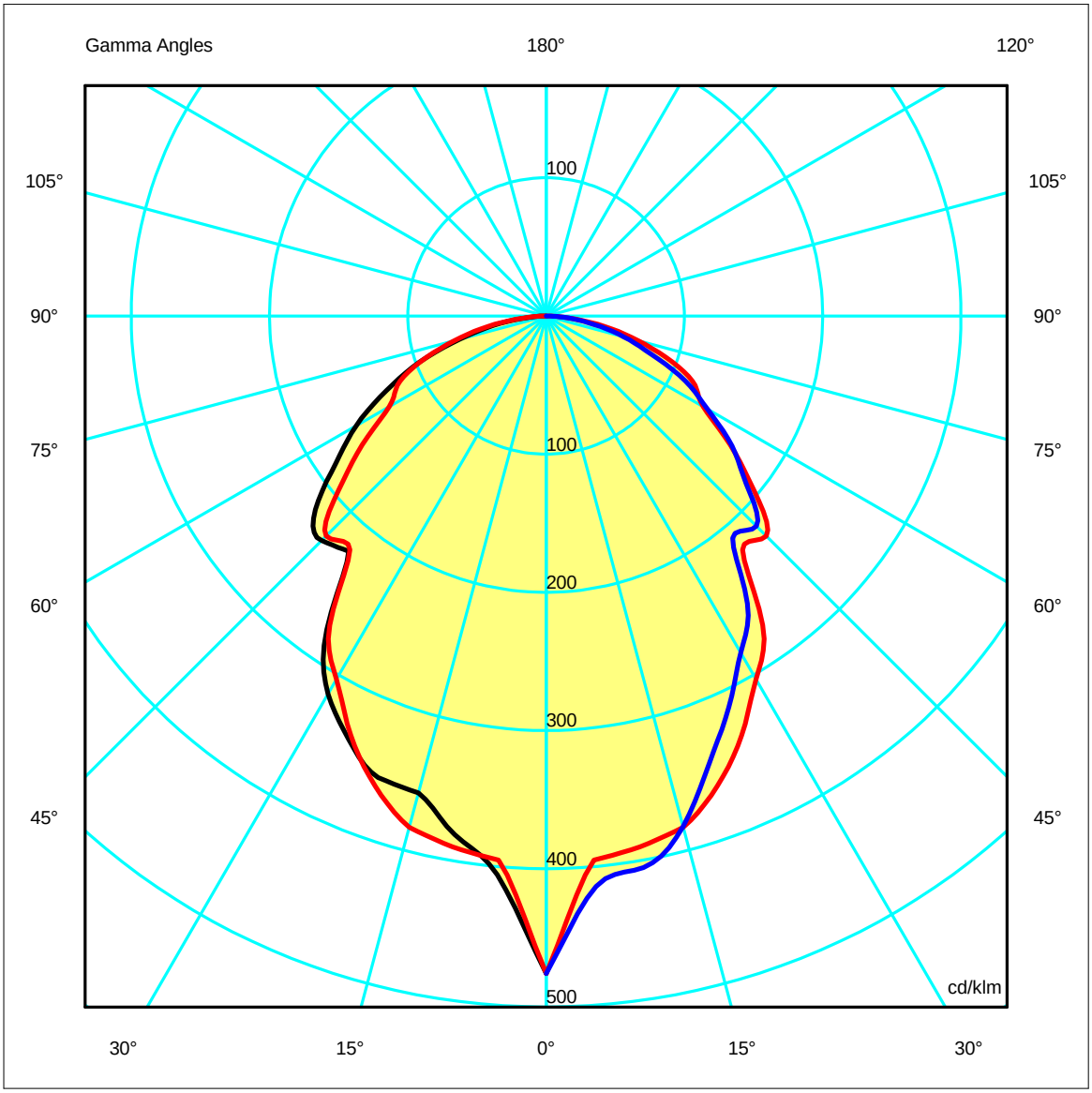

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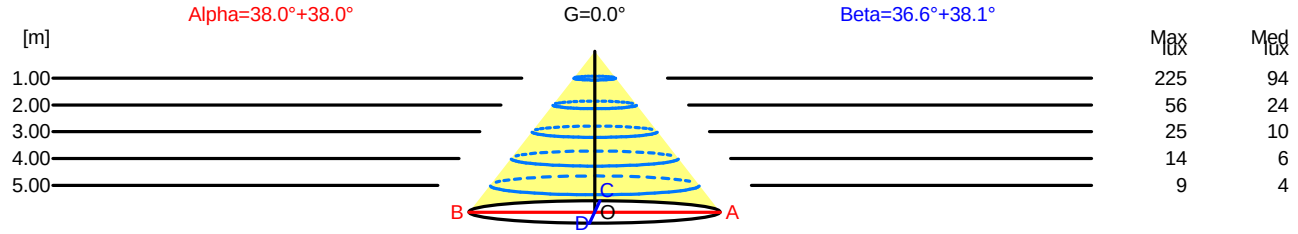
Width at 50.00 % of Max Intensity

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	0.78	1.56	2.34	3.12	3.90	OC	0.74	1.49	2.23	2.97	3.72
OB	0.78	1.56	2.34	3.12	3.90	OD	0.79	1.57	2.36	3.14	3.93

Luminous Intensities [cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	224.93	186.81	181.07	158.19	129.11	106.37	76.84	56.14	32.51	7.94
OB	224.93	186.81	181.07	158.19	129.11	106.37	76.84	56.14	32.51	7.94
OC	224.93	195.87	180.79	147.73	120.01	101.63	77.56	52.46	27.54	7.48
OD	224.93	191.91	168.86	159.82	130.92	108.57	87.91	60.29	30.60	6.90



H[m]	D[m]	Max lux	Med lux	Alpha=38.0°+38.0° G=0.0
1.00	1.56	225	94	
2.00	3.12	56	24	
3.00	4.69	25	10	
4.00	6.25	14	6	
5.00	7.81	9	4	

H[m]	D[m]	Max lux	Med lux	Beta=38.1°+36.6° G=0.0
1.00	1.53	225	94	
2.00	3.06	56	24	
3.00	4.58	25	10	
4.00	6.11	14	6	
5.00	7.64	9	4	

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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	16.9	18.2	17.2	18.4	18.9	17.2	18.5	17.5	18.7	18.9
x=2H y=3H	18.5	19.7	18.9	20.0	20.8	19.1	20.3	19.4	20.5	20.8
x=2H y=4H	19.2	20.4	19.6	20.6	21.5	19.8	20.9	20.1	21.2	21.5
x=2H y=6H	19.8	20.8	20.1	21.1	22.0	20.3	21.4	20.7	21.7	22.0
x=2H y=8H	20.0	21.0	20.3	21.3	22.1	20.5	21.5	20.9	21.8	22.1
x=2H y=12H	20.1	21.0	20.4	21.3	22.2	20.6	21.6	21.0	21.9	22.2
x=4H y=2H	17.6	18.8	18.0	19.0	19.5	17.8	18.9	18.1	19.2	19.5
x=4H y=3H	19.5	20.5	19.9	20.8	21.5	19.8	20.8	20.2	21.1	21.5
x=4H y=4H	20.3	21.2	20.7	21.5	22.3	20.7	21.6	21.1	21.9	22.3
x=4H y=6H	20.9	21.7	21.4	22.1	23.0	21.5	22.2	21.9	22.6	23.0
x=4H y=8H	21.2	21.9	21.6	22.2	23.2	21.8	22.4	22.2	22.8	23.2
x=4H y=12H	21.3	21.9	21.8	22.3	23.4	21.9	22.5	22.4	22.9	23.4
x=8H y=4H	20.7	21.4	21.1	21.7	22.5	21.0	21.6	21.4	22.0	22.5
x=8H y=6H	21.5	22.0	21.9	22.4	23.3	21.8	22.4	22.3	22.8	23.3
x=8H y=8H	21.8	22.3	22.2	22.7	23.6	22.2	22.7	22.7	23.1	23.6
x=8H y=12H	22.0	22.4	22.5	22.9	23.8	22.4	22.9	22.9	23.3	23.8
x=12H y=4H	20.7	21.3	21.2	21.8	22.4	21.0	21.6	21.4	22.0	22.4
x=12H y=6H	21.5	22.0	22.0	22.5	23.3	21.9	22.4	22.3	22.8	23.3
x=12H y=8H	21.9	22.3	22.4	22.8	23.6	22.2	22.7	22.7	23.1	23.6

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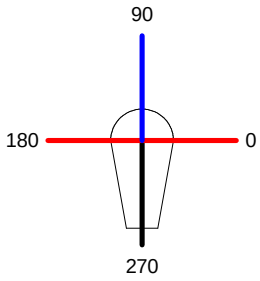

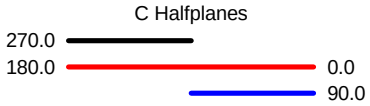

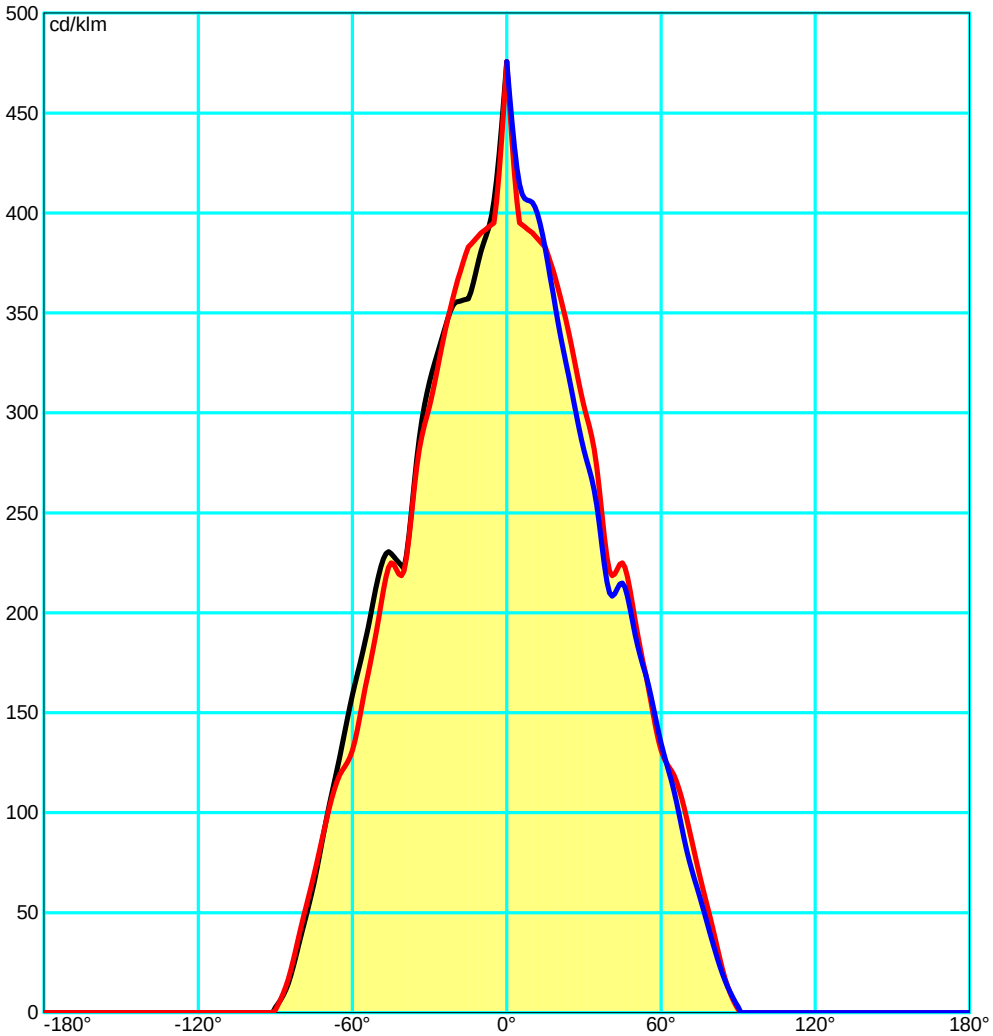

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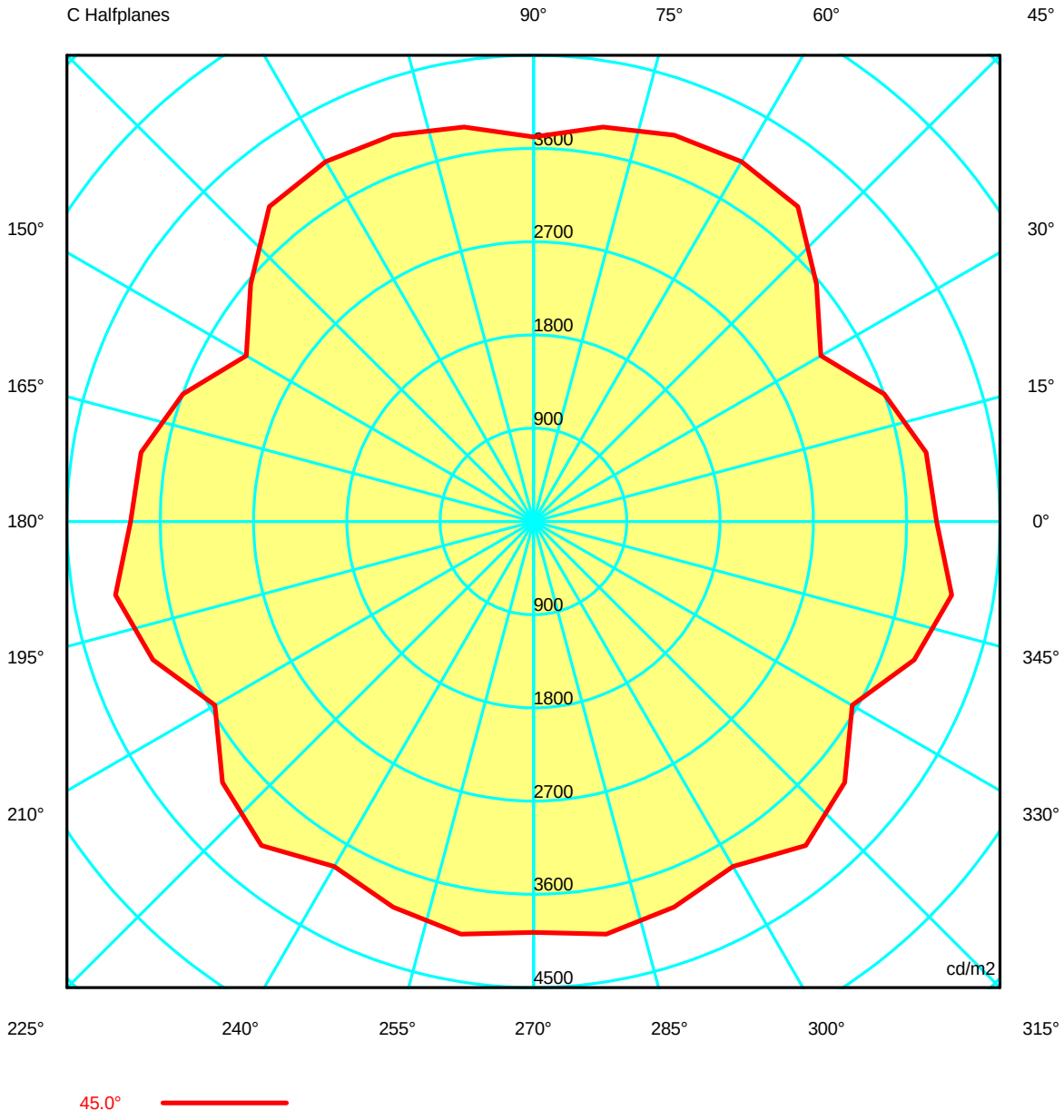
Luminance



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Luminance cd/m2 **Table 1/3**

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94
G 5.0	4844.62	4840.20	4888.31	4905.41	4863.28	4873.64	4905.61	4836.13	4873.10	5079.41	4873.10	4836.13	4905.61
G 10.0	4837.62	4683.65	4715.13	4826.62	4706.94	4667.13	4811.62	4926.46	4989.02	5026.46	4989.02	4926.46	4811.62
G 15.0	4842.82	4638.59	4541.34	4531.94	4545.10	4675.60	4876.38	4962.70	4931.07	4835.39	4931.07	4962.70	4876.38
G 20.0	4703.23	4484.06	4495.10	4579.69	4473.56	4531.56	4791.89	4891.14	4759.82	4477.62	4759.82	4891.14	4791.89
G 25.0	4509.31	4284.21	4436.02	4652.17	4443.35	4365.02	4593.50	4718.67	4572.42	4211.13	4572.42	4718.67	4593.50
G 30.0	4279.59	4164.95	4386.74	4581.30	4355.87	4239.68	4412.75	4513.36	4351.69	3967.69	4351.69	4513.36	4412.75
G 35.0	4071.84	3906.31	4128.59	4397.51	4153.36	4059.57	4138.89	4130.05	3983.32	3784.91	3983.32	4130.05	4138.89
G 40.0	3521.67	3408.15	3726.70	4056.62	3664.46	3546.23	3834.57	3669.79	3420.41	3346.16	3420.41	3669.79	3834.57
G 45.0	3886.19	3845.76	3597.99	3200.01	3564.10	3967.09	4011.12	3968.95	3867.76	3712.93	3867.76	3968.95	4011.12
G 50.0	3727.17	3495.83	3885.10	4366.39	3839.82	3691.77	3914.52	3880.08	3696.45	3589.92	3696.45	3880.08	3914.52
G 55.0	3461.08	3732.06	4123.77	4236.11	4071.55	3863.34	3710.81	3559.01	3501.75	3493.50	3501.75	3559.01	3710.81
G 60.0	3202.54	3546.87	4028.11	4188.73	4011.91	3648.61	3369.07	3391.70	3413.44	3288.76	3413.44	3391.70	3369.07
G 65.0	3431.67	3568.36	3869.04	4050.20	3792.94	3661.64	3636.52	3164.85	2936.54	3207.14	2936.54	3164.85	3636.52
G 70.0	3466.61	3468.18	3651.92	3976.83	3680.53	3635.35	3740.36	3035.51	2603.66	2894.32	2603.66	3035.51	3740.36
G 75.0	3245.13	3277.51	3512.52	3808.70	3312.58	3384.68	3770.69	2871.84	2294.86	2749.40	2294.86	2871.84	3770.69
G 80.0	3026.41	2720.09	3060.36	3675.59	3152.03	3092.32	3471.46	2654.91	2106.96	2499.04	2106.96	2654.91	3471.46
G 85.0	2352.75	2027.34	2767.38	3488.80	2271.68	2336.85	3462.36	2238.69	1382.60	2215.96	1382.60	2238.69	3462.36
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Lamps Flux	472.86 lm	Maximum value	475.68 cd/klm	Position	C=0.00 G=0.00	CG	Sym. on planes 270-90

Luminance cd/m2 **Table 2/3**

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94
G 5.0	4873.64	4863.28	4905.41	4888.31	4840.20	4844.62	4943.17	4947.56	4872.24	4911.73	4934.95	4924.69	4928.66
G 10.0	4667.13	4706.94	4826.62	4715.13	4683.65	4837.62	4953.22	4955.60	4918.57	4958.99	4944.47	4863.67	4840.79
G 15.0	4675.60	4545.10	4531.94	4541.34	4638.59	4842.82	5029.12	4876.48	4642.32	4902.82	5035.31	4837.83	4720.34
G 20.0	4531.56	4473.56	4579.69	4495.10	4484.06	4703.23	4950.27	4700.43	4334.89	4740.94	4947.01	4669.81	4593.20
G 25.0	4365.02	4443.35	4652.17	4436.02	4284.21	4509.31	4843.19	4533.61	4044.27	4551.72	4821.30	4486.42	4417.46
G 30.0	4239.68	4355.87	4581.30	4386.74	4164.95	4279.59	4488.72	4310.28	3802.68	4373.52	4601.86	4188.07	4262.74
G 35.0	4059.57	4153.36	4397.51	4128.59	3906.31	4071.84	4212.69	4019.45	3561.42	4038.95	4190.95	4012.14	4126.07
G 40.0	3546.23	3664.46	4056.62	3726.70	3408.15	3521.67	3606.58	3461.53	3154.37	3516.07	3692.20	3490.31	3557.26
G 45.0	3967.09	3564.10	3200.01	3597.99	3845.76	3886.19	4096.58	3908.26	3547.78	3917.54	4084.51	3846.04	3961.43
G 50.0	3691.77	3839.82	4366.39	3885.10	3495.83	3727.17	3954.44	3707.92	3398.21	3808.70	3859.40	3601.90	3541.64
G 55.0	3863.34	4071.55	4236.11	4123.77	3732.06	3461.08	3711.87	3578.92	3214.40	3607.24	3617.79	3293.12	3841.12
G 60.0	3648.61	4011.91	4188.73	4028.11	3546.87	3202.54	3478.80	3426.76	3127.65	3521.53	3490.85	3158.27	3790.96
G 65.0	3661.64	3792.94	4050.20	3869.04	3568.36	3431.67	3393.90	3091.40	2780.71	3080.42	3328.22	3406.16	3801.40
G 70.0	3635.35	3680.53	3976.83	3651.92	3468.18	3466.61	3158.04	2696.69	2514.62	2851.82	3111.86	3255.33	3726.67
G 75.0	3384.68	3312.58	3808.70	3512.52	3277.51	3245.13	3019.94	2537.52	2225.88	2529.67	2875.22	3112.35	3541.39
G 80.0	3092.32	3152.03	3675.59	3060.36	2720.09	3026.41	2824.33	2160.92	1820.37	2466.62	2701.46	2541.57	3262.05
G 85.0	2336.85	2271.68	3488.80	2767.38	2027.34	2352.75	2465.19	2074.58	1355.78	2076.75	2311.90	1938.81	2678.52
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire
Code 00-5688-05-M1
Name Colgante TRAIN led 15.6W 2700K
Measurem.
Code CL116A17F085G
Name Colgante TRAIN led 15.6W 2700K

Luminaire Flux	472.86 lm	Luminaire Power	17.26 W	Efficacy	27.40 lm/W	Efficiency 100.00%
Lamps Flux	472.86 lm	Maximum value	475.68 cd/klm	Position	C=0.00 G=0.00	CG Sym. on planes 270-90

Luminance cd/m2 **Table 3/3**

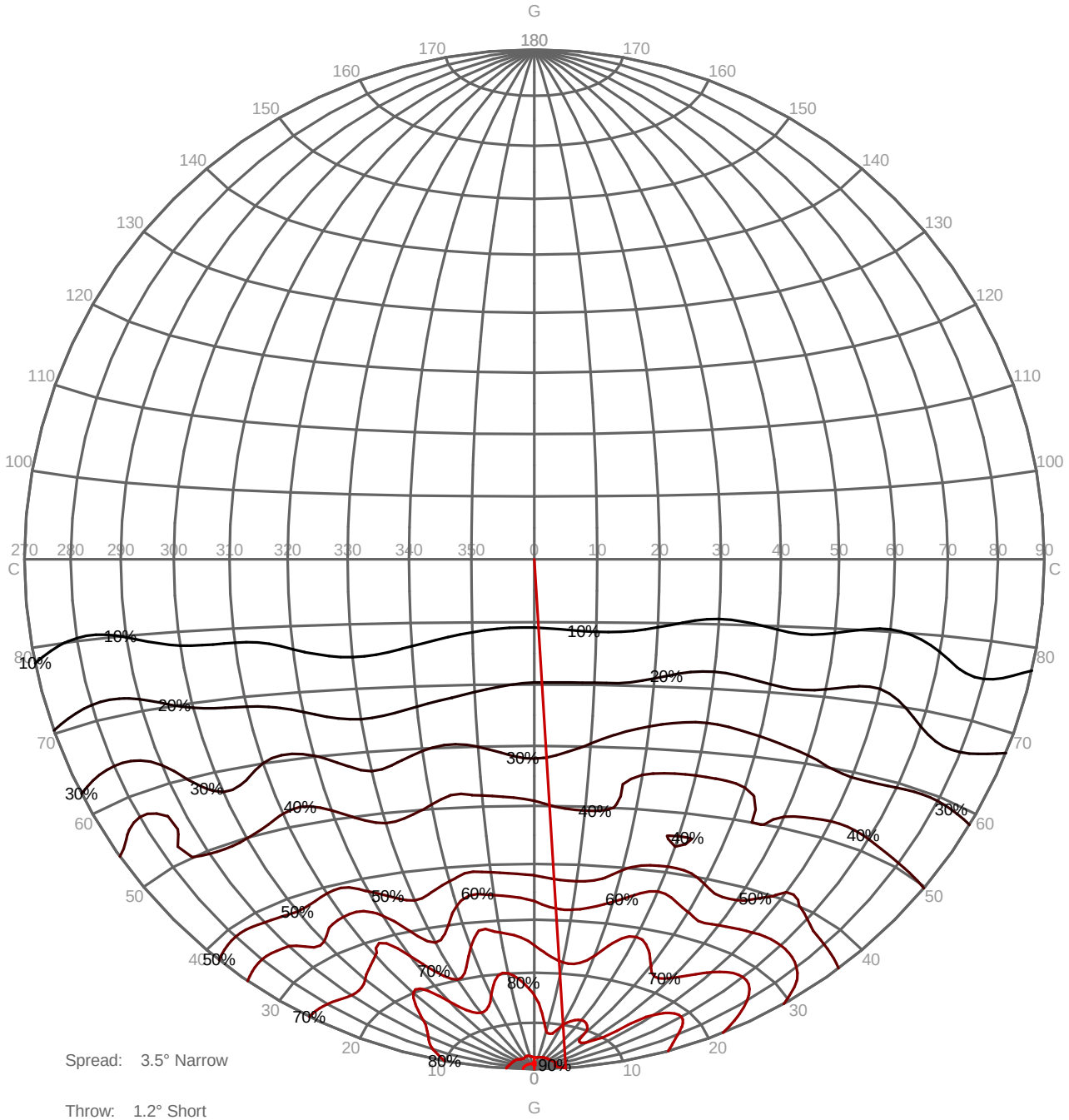
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94	5810.94
G 5.0	4951.46	4976.91	4951.46	4928.66	4924.69	4934.95	4911.73	4872.24	4947.56	4943.17
G 10.0	4807.22	4726.63	4807.22	4840.79	4863.67	4944.47	4958.99	4918.57	4955.60	4953.22
G 15.0	4635.76	4516.30	4635.76	4720.34	4837.83	5035.31	4902.82	4642.32	4876.48	5029.12
G 20.0	4621.60	4618.31	4621.60	4593.20	4669.81	4947.01	4740.94	4334.89	4700.43	4950.27
G 25.0	4499.53	4555.70	4499.53	4417.46	4486.42	4821.30	4551.72	4044.27	4533.61	4843.19
G 30.0	4406.29	4450.64	4406.29	4262.74	4188.07	4601.86	4373.52	3802.68	4310.28	4488.72
G 35.0	4209.24	4128.89	4209.24	4126.07	4012.14	4190.95	4038.95	3561.42	4019.45	4212.69
G 40.0	3631.32	3542.02	3631.32	3557.26	3490.31	3692.20	3516.07	3154.37	3461.53	3606.58
G 45.0	4043.58	3966.60	4043.58	3961.43	3846.04	4084.51	3917.54	3547.78	3908.26	4096.58
G 50.0	3777.25	4142.23	3777.25	3541.64	3601.90	3859.40	3808.70	3398.21	3707.92	3954.44
G 55.0	4226.02	3959.46	4226.02	3841.12	3293.12	3617.79	3607.24	3214.40	3578.92	3711.87
G 60.0	4210.28	3879.51	4210.28	3790.96	3158.27	3490.85	3521.53	3127.65	3426.76	3478.80
G 65.0	3960.42	3685.23	3960.42	3801.40	3406.16	3328.22	3080.42	2780.71	3091.40	3393.90
G 70.0	3872.61	3486.91	3872.61	3726.67	3255.33	3111.86	2851.82	2514.62	2696.69	3158.04
G 75.0	3569.78	3054.18	3569.78	3541.39	3112.35	2875.22	2529.67	2225.88	2537.52	3019.94
G 80.0	3498.51	2724.89	3498.51	3262.05	2541.57	2701.46	2466.62	1820.37	2160.92	2824.33
G 85.0	2934.82	2043.90	2934.82	2678.52	1938.81	2311.90	2076.75	1355.78	2074.58	2465.19
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire
Code 00-5688-05-M1
Name Colgante TRAIN led 15.6W 2700K
Measurem.
Code CL116A17F085G
Name Colgante TRAIN led 15.6W 2700K

Luminaire Flux	472.86 lm	Luminaire Power	17.26 W	Efficacy	27.40 lm/W	Efficiency	100.00%
Lamps Flux	472.86 lm	Maximum value	475.68 cd/klm	Position	C=0.00 G=0.00	CG	Sym. on planes 270-90

PERCENTAGE ISOCANDLES

Projection: Equal Area SLI 8.0 Tight Tilting Angle:0°



Luminaire
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Name Colgante TRAIN led 15.6W 2700K
Measurem.
Code CL116A17F085G
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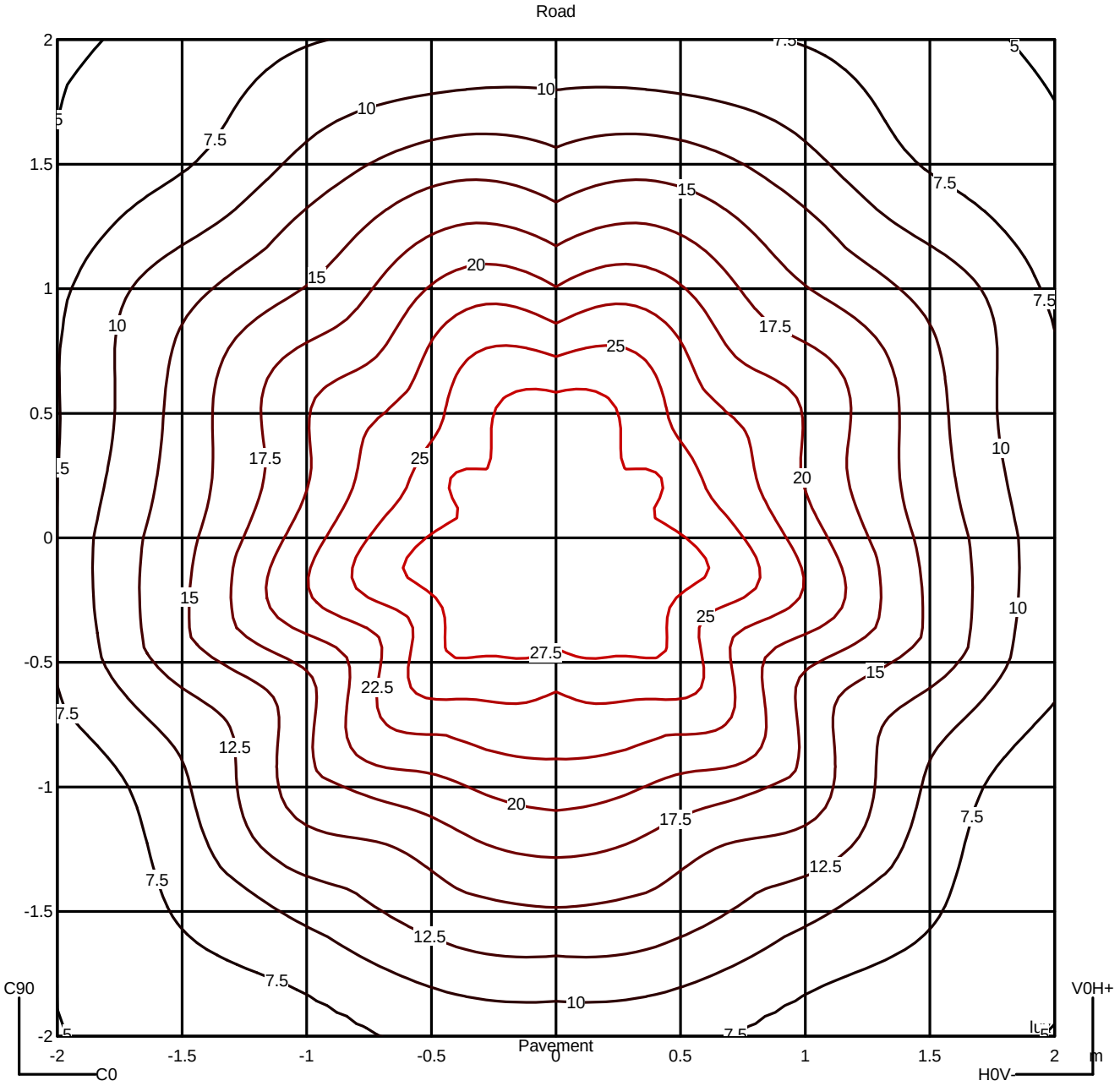
Luminaire Flux	472.86 lm	Luminaire Power	17.26 W	Efficacy	27.40 lm/W	Efficiency	100.00%
Lamps Flux	472.86 lm	Maximum value	475.68 cd/klm	Position	C=0.00 G=0.00	CG	Sym. on planes 270-90

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



Luminaire
Code 00-5688-05-M1
Name Colgante TRAIN led 15.6W 2700K
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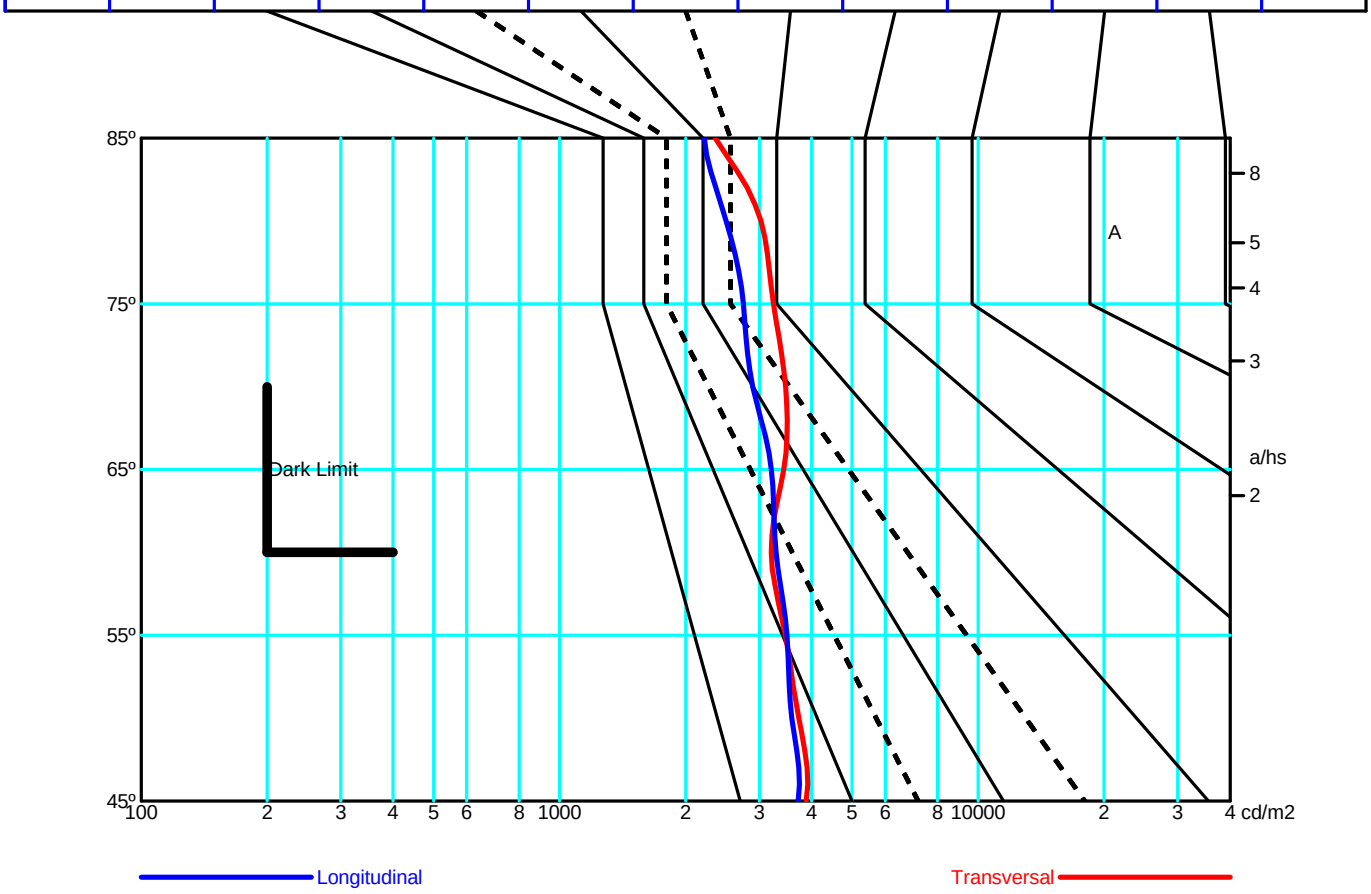
Luminaire Flux	472.86 lm	Luminaire Power	17.26 W	Efficacy	27.40 lm/W	Efficiency	100.00%
Lamps Flux	472.86 lm	Maximum value	475.68 cd/klm	Position	C=0.00 G=0.00	CG	Sym. on planes 270-90

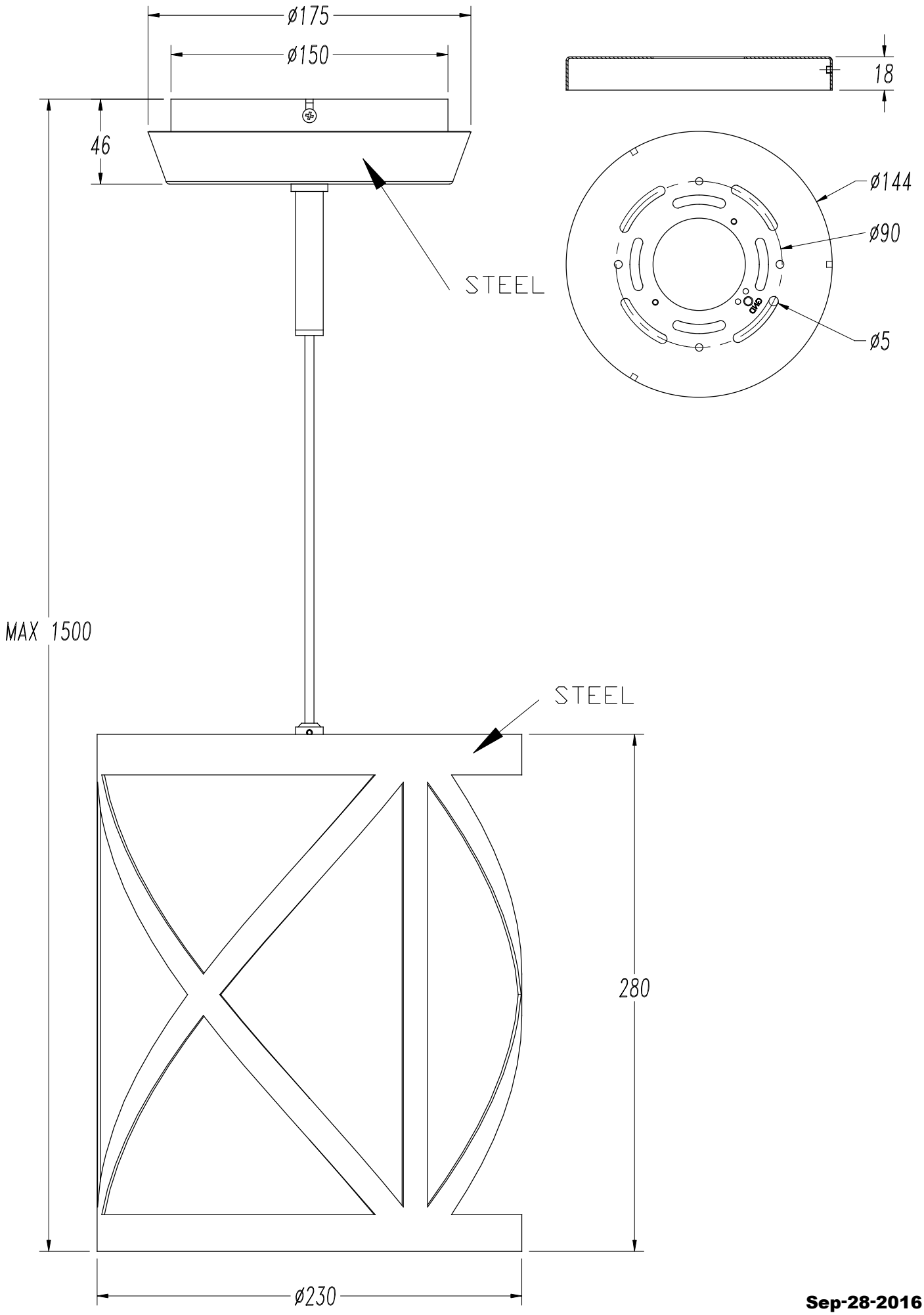
Average Luminance [cd/m²]

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	3886	3727	3461	3203	3432	3467	3245	3026	2353	---
90.0°	3713	3590	3493	3289	3207	2894	2749	2499	2216	---

Flush mounted or longitudinal view

		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55





Sep-28-2016

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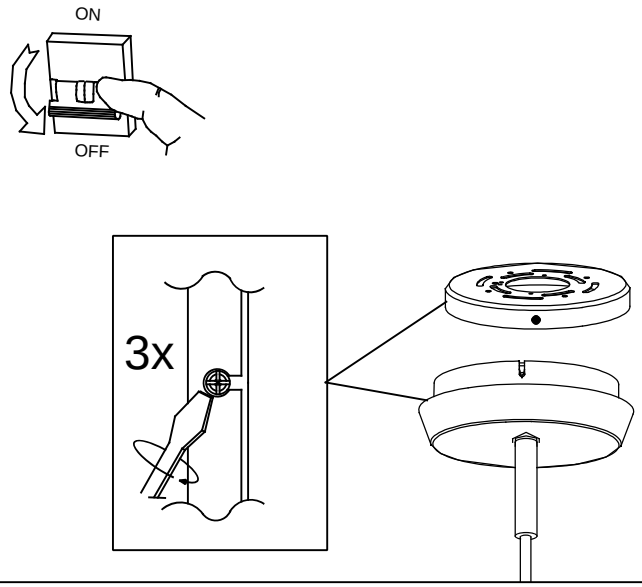

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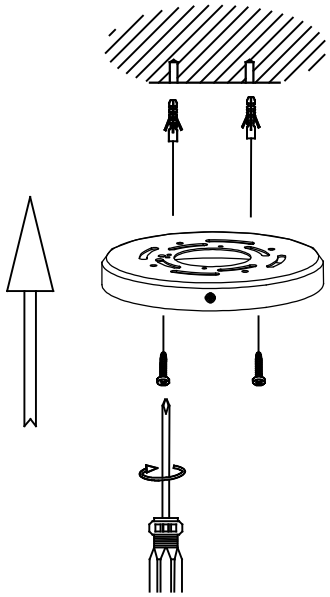

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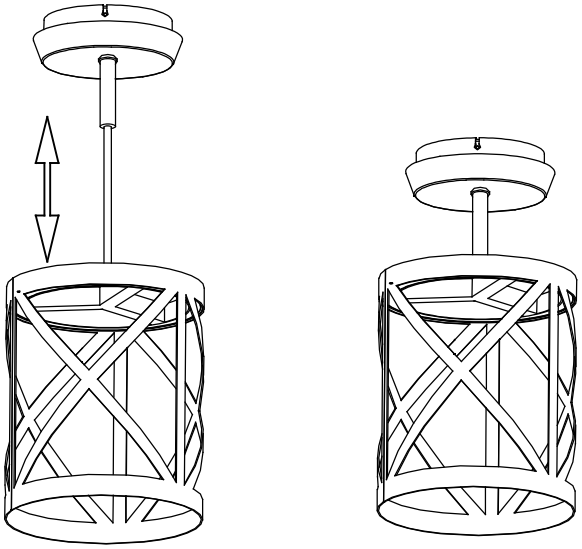

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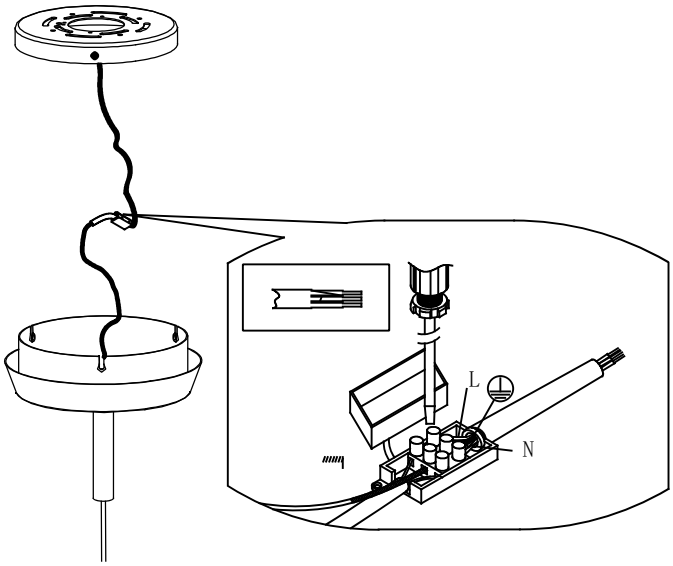

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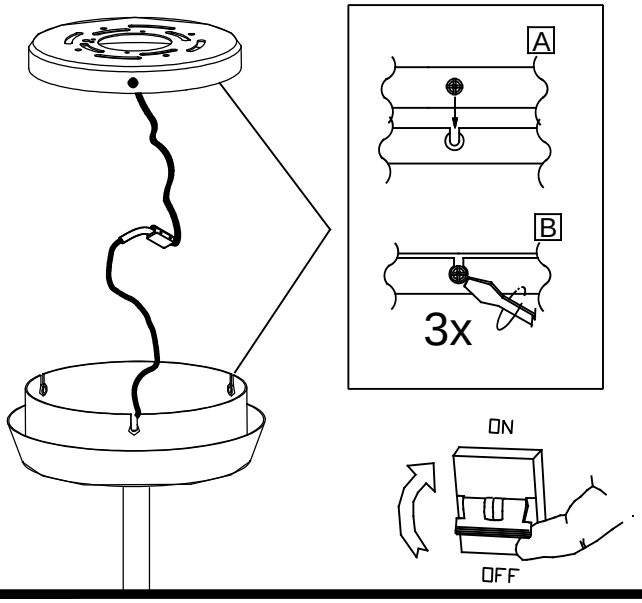

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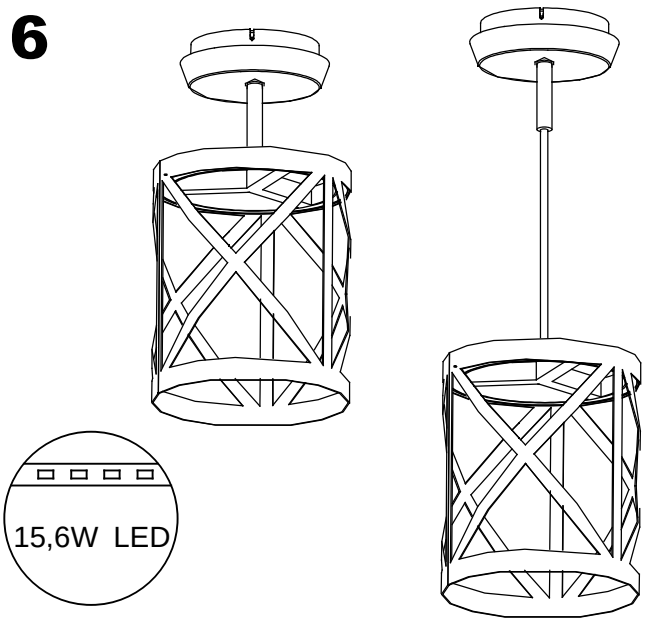

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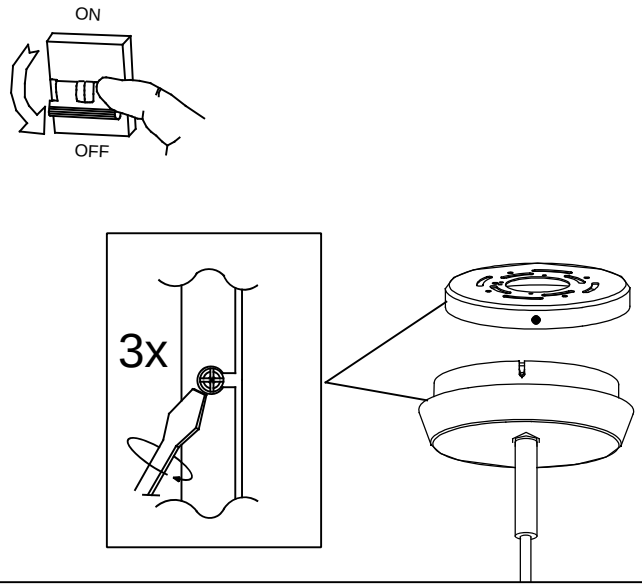

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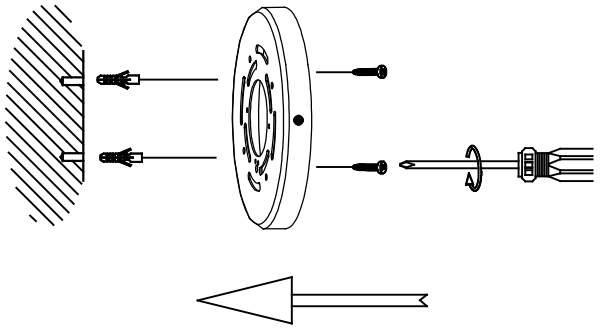

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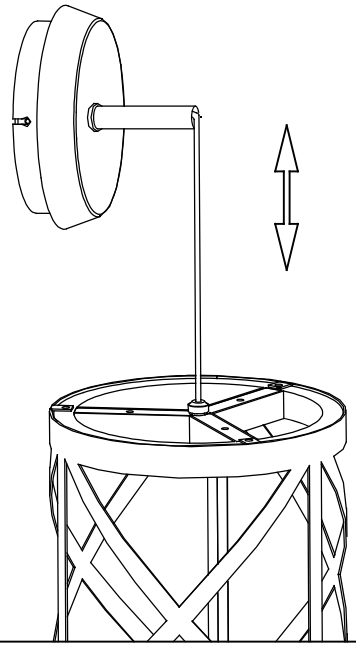

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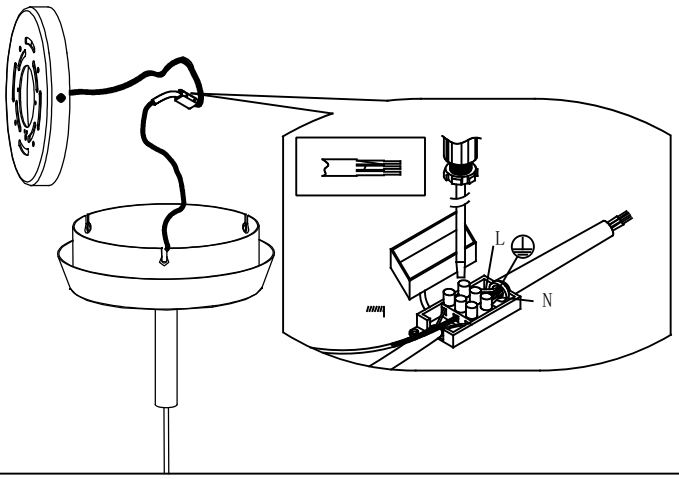

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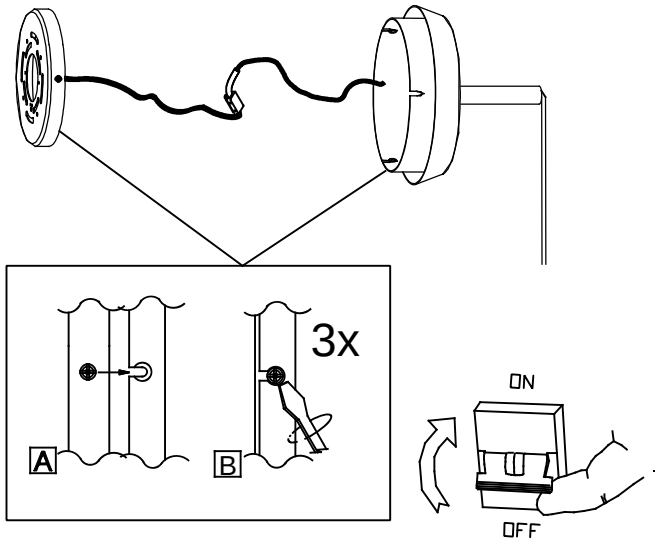
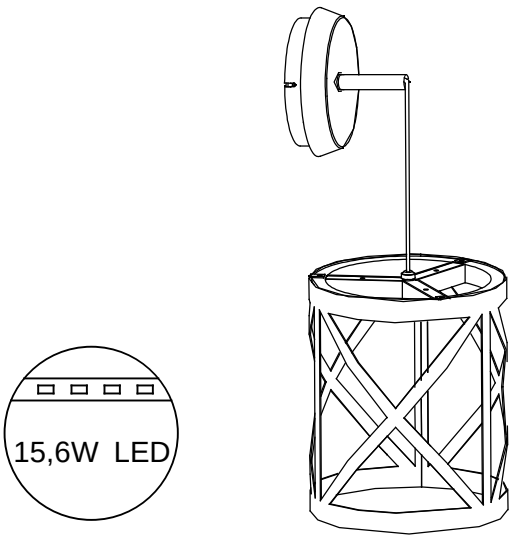
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