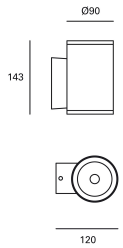
Instruções de montagem
3D File
Dados fotométricos
Revit

Orion One Emission

PX-0378-GRI

Aplique IP54 Orion One Emission LED 5.6W 3000K Cinzento 527lm



CARACTERÍSTICAS TÉCNICAS

IP54 IK07 BREEAM

Potência (W) : 5.6W

Consumo total da luminária (W) : 7.3W

Lúmenes reais : 527

Lm/W reais : 72

Temperatura da cor : Branco quente - 3000K

Ângulo Óticas / Refletor : SPOT 17º

Material da estrutura : Alumínio

Acabamento estrutura : Cinzento

Material do difusor : Vidro

Acabamento difusor : Transparente

Vida útil : 36.000h L70B30

Equipamento incluído : Sim, eletrónico

Tensão / Frequência : 100-240V/50-60Hz

Garantia : 5 Anos

Temperatura máx. : 25ºC

Eficiência energética : LED A++

CARACTERÍSTICAS LUMINOTÉCNICAS

Fonte de luz: LED

CRI: 80

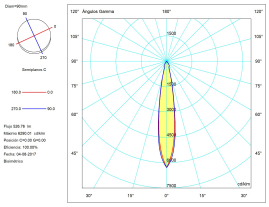
MacAdam steps: 3

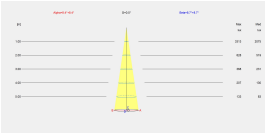
Risco fotobiológico: RG1

UGR

UGR Transversal: 13.6

UGR Longitudinal: 13.1





LOGÍSTICA

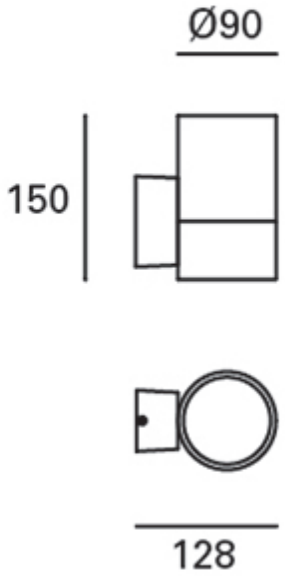
Peso líquido (kg): 0.73

Peso embalado (kg): 0.84

Embalagem: 140mm x 100mm x 160mm

10 Un

APLICAÇÃO DA LUMINÁRIA



Luminaire
Code PX-0378-GRI
Name APLIQUE PROYECTOR
Measurem.
Code PX-0378-GRI
Name APLIQUE PROYECTOR

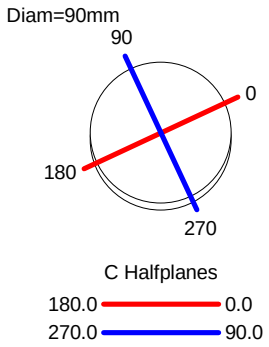
Luminaire Flux	526.76 lm	Luminaire Power	7.29 W	Efficacy	72.26 lm/W	Efficiency	100.00%
Lamps Flux	526.76 lm	Maximum value	6290.01 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Round Luminaire	Diam. 90 mm	Height	140 mm
Round Luminous Area	Diam. 70 mm	Height	0 mm
Horizontal Luminous Area	0.003848 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°	0.000931 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	04-08-2017	Maximum Gamma Angle	90
Measurement Distance	0.00	Measurement Flux	526.76 lm
Operator	LEDS	Source Voltage [V]	
Temperature	25.00 °C	Source current [A]	
Humidity	60.00 %	Photocell	
Notes			

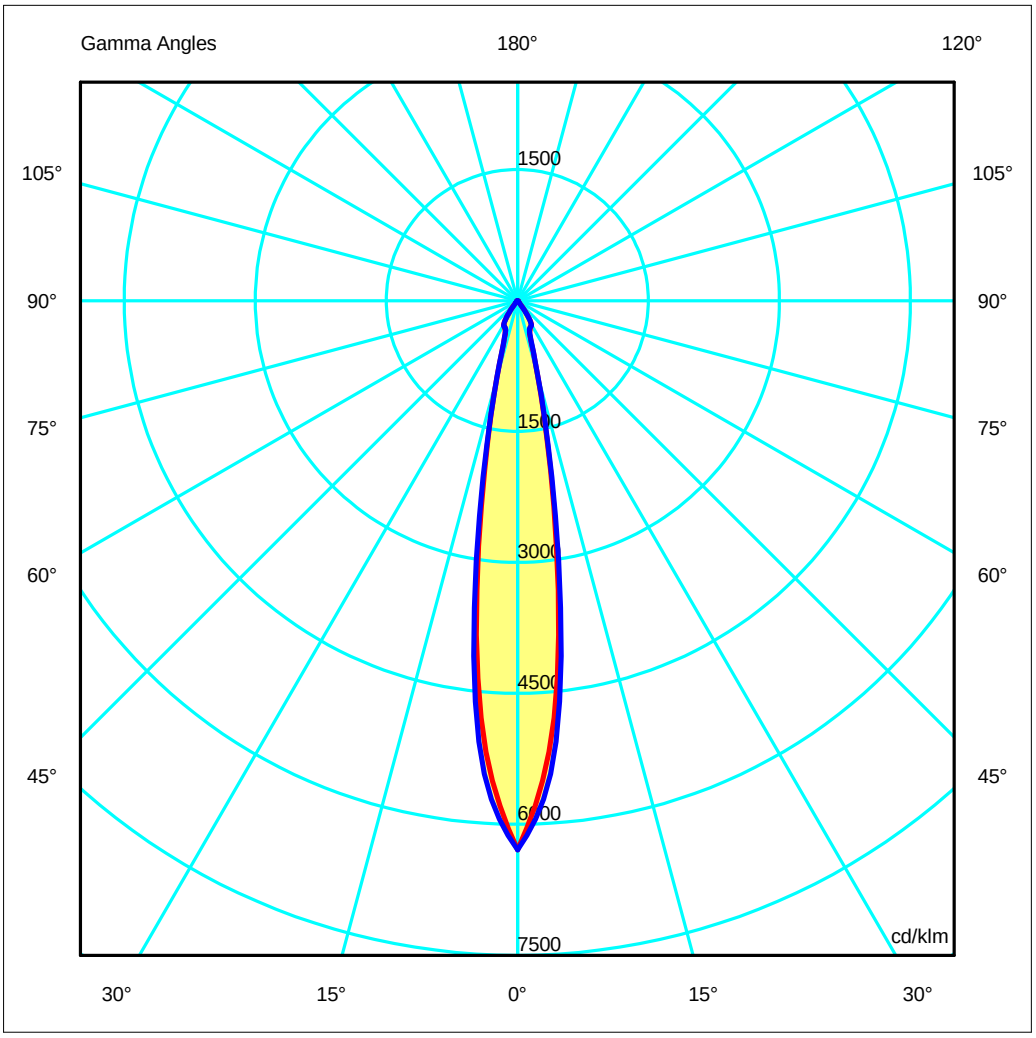
Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	LED	LED	526.76	7.29	1

C.I.E.	97	99	100	100	100	D DIN 5040	A60
F UTE	--					B NBN	BZ 1



ULOR 0.00 %
DLOR100.00 %
RN 0.00 %



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

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	6290.01	6290.01	6290.01	6290.01	6290.01	6290.01	6290.01
G 5.0	4795.79	4758.33	4926.11	4859.06	5045.32	4860.97	5070.56
G 10.0	2385.82	2286.96	2422.02	2364.39	2469.97	2307.64	2502.90
G 15.0	895.89	844.00	891.05	842.26	932.91	862.07	915.19
G 20.0	405.05	400.54	421.58	414.38	423.08	413.85	419.56
G 25.0	341.00	343.40	341.99	342.31	344.59	344.06	339.26
G 30.0	318.11	322.33	312.90	315.70	314.45	316.17	315.44
G 35.0	171.89	182.24	188.89	188.72	179.81	181.90	170.92
G 40.0	23.40	23.22	24.19	24.62	25.14	24.97	25.78
G 45.0	16.97	16.69	17.29	17.39	17.76	17.84	18.09
G 50.0	12.60	12.59	12.79	12.98	13.07	13.03	13.17
G 55.0	9.93	9.86	10.00	10.01	10.02	9.79	9.92
G 60.0	8.56	8.52	8.55	8.46	8.38	8.19	8.17
G 65.0	7.49	7.44	7.44	7.29	7.12	6.76	6.85
G 70.0	6.01	6.01	5.99	5.69	5.57	5.29	5.18
G 75.0	4.18	4.16	4.08	3.90	3.59	3.27	3.21
G 80.0	2.33	2.24	2.19	1.80	1.70	1.45	1.50
G 85.0	0.83	0.85	0.78	0.63	0.52	0.31	0.26
G 90.0	0.06	0.06	0.07	0.08	0.08	0.06	0.02

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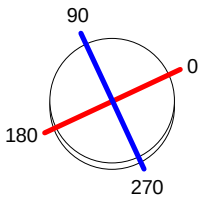
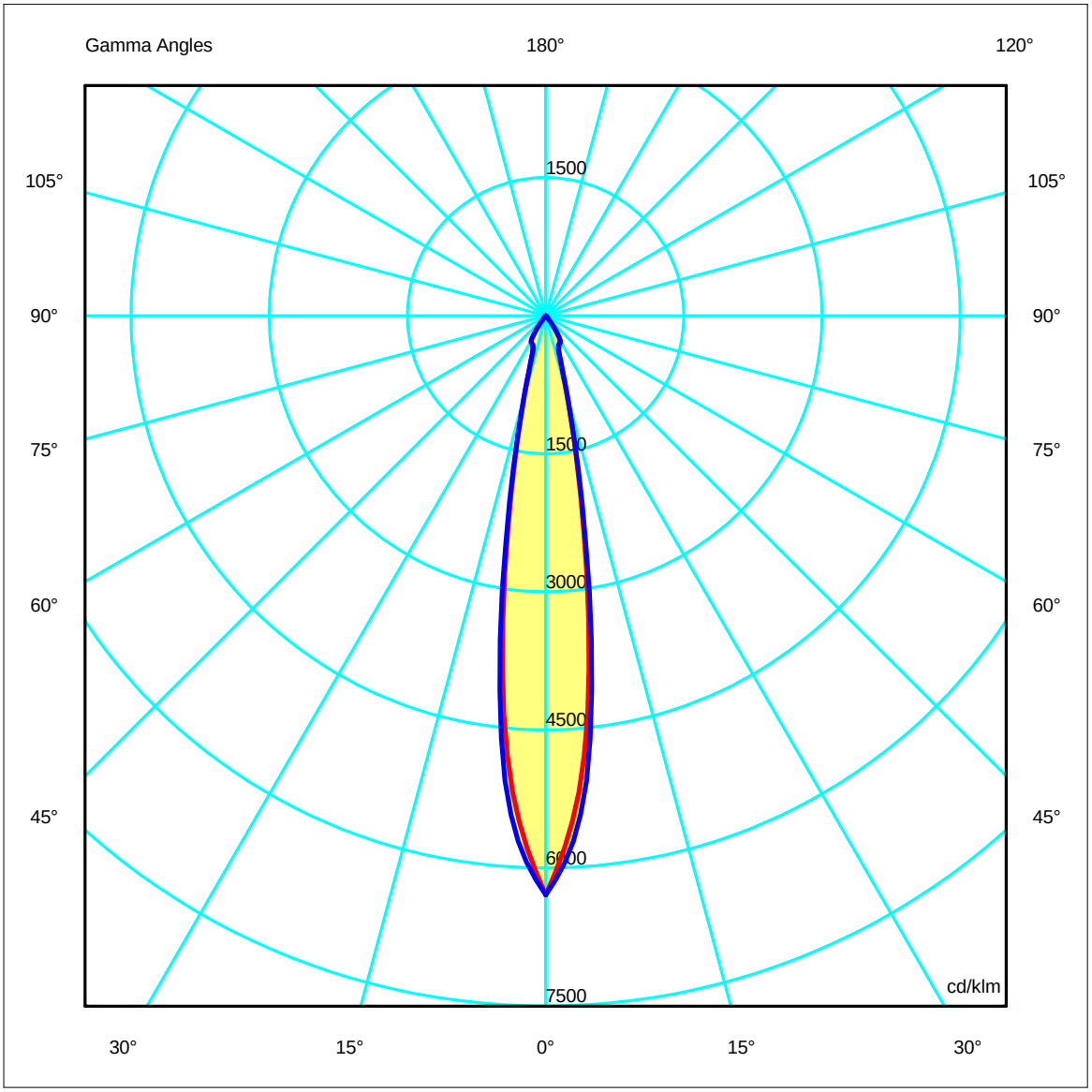
Diam=90mm



C Halfplanes



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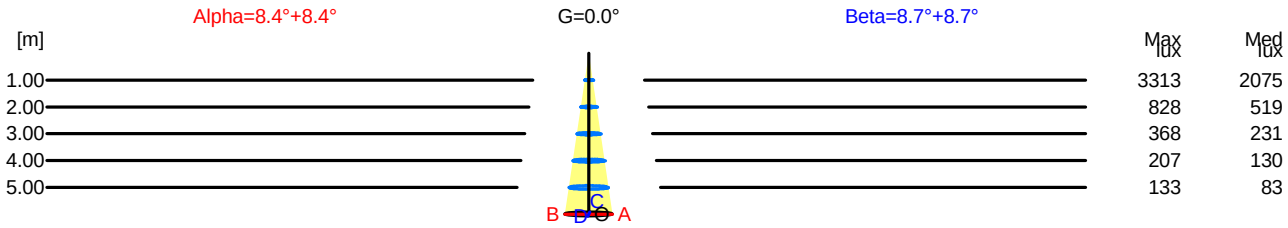
Lamps Flux	526.76 lm	Maximum value	6290.01 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.15	0.30	0.44	0.59	0.74	OC	0.15	0.31	0.46	0.62	0.77
OB	0.15	0.30	0.44	0.59	0.74	OD	0.15	0.31	0.46	0.62	0.77

Luminous Intensities [cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	3313.33	2526.23	471.92	179.62	90.54	8.94	5.23	3.94	2.20	0.44
OB	3313.33	2526.23	471.92	179.62	90.54	8.94	5.23	3.94	2.20	0.44
OC	3313.33	2670.97	482.08	178.71	90.03	9.53	5.23	3.61	1.69	0.14
OD	3313.33	2670.97	482.08	178.71	90.03	9.53	5.23	3.61	1.69	0.14



H[m]	D[m]	Max lux	Med lux	Alpha=8.4°+8.4° G=0.0
1.00	0.30	3313	2075	
2.00	0.59	828	519	
3.00	0.89	368	231	
4.00	1.18	207	130	
5.00	1.48	133	83	

H[m]	D[m]	Max lux	Med lux	Beta=8.7°+8.7° G=0.0
1.00	0.31	3313	2075	
2.00	0.62	828	519	
3.00	0.92	368	231	
4.00	1.23	207	130	
5.00	1.54	133	83	

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Lamps Flux	526.76 lm	Maximum value	6290.01 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	12.9	13.6	13.1	13.8	13.8	12.8	13.4	13.0	13.6	13.8
x=2H y=3H	13.1	13.7	13.4	13.9	14.0	12.9	13.5	13.2	13.7	14.0
x=2H y=4H	13.2	13.8	13.5	14.0	14.0	13.0	13.5	13.3	13.8	14.0
x=2H y=6H	13.3	13.9	13.6	14.1	14.1	13.0	13.5	13.3	13.8	14.1
x=2H y=8H	13.3	13.8	13.7	14.1	14.0	13.0	13.5	13.3	13.8	14.0
x=2H y=12H	13.3	13.8	13.7	14.1	14.0	12.9	13.4	13.3	13.7	14.0
x=4H y=2H	12.8	13.4	13.2	13.7	13.8	12.7	13.3	13.0	13.5	13.8
x=4H y=3H	13.2	13.7	13.5	14.0	14.1	13.0	13.5	13.3	13.8	14.1
x=4H y=4H	13.4	13.8	13.8	14.2	14.2	13.1	13.5	13.5	13.9	14.2
x=4H y=6H	13.6	13.9	14.0	14.3	14.3	13.2	13.5	13.6	13.9	14.3
x=4H y=8H	13.6	13.9	14.0	14.3	14.2	13.2	13.4	13.6	13.8	14.2
x=4H y=12H	13.6	13.9	14.0	14.3	14.2	13.1	13.4	13.6	13.8	14.2
x=8H y=4H	13.4	13.7	13.9	14.1	14.2	13.2	13.4	13.6	13.8	14.2
x=8H y=6H	13.6	13.9	14.1	14.3	14.3	13.2	13.5	13.7	13.9	14.3
x=8H y=8H	13.7	13.9	14.2	14.3	14.3	13.2	13.4	13.7	13.9	14.3
x=8H y=12H	13.7	13.9	14.2	14.4	14.3	13.2	13.3	13.7	13.8	14.3
x=12H y=4H	13.4	13.7	13.8	14.1	14.2	13.1	13.4	13.6	13.8	14.2
x=12H y=6H	13.6	13.8	14.1	14.3	14.3	13.2	13.4	13.7	13.9	14.3
x=12H y=8H	13.7	13.8	14.2	14.3	14.3	13.2	13.4	13.7	13.8	14.3

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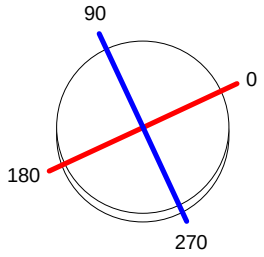
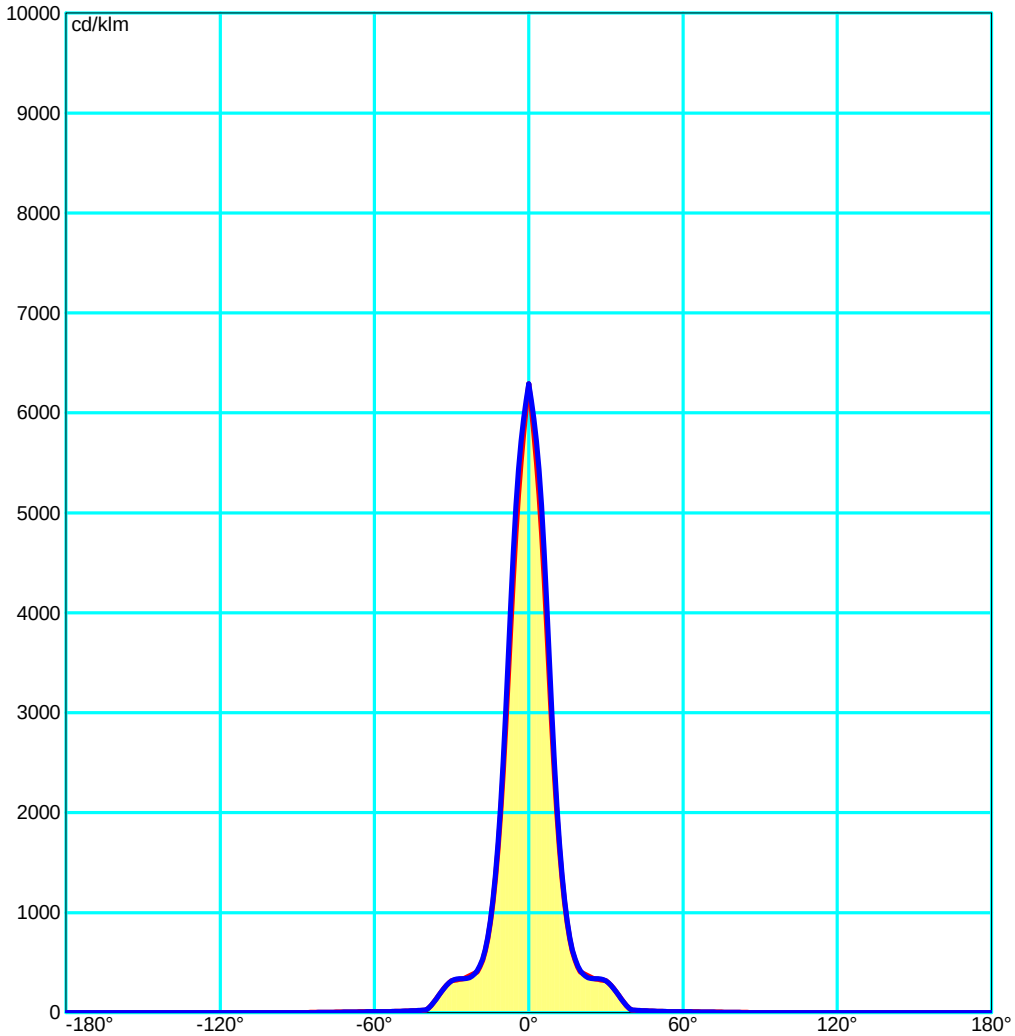
Diam=90mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0



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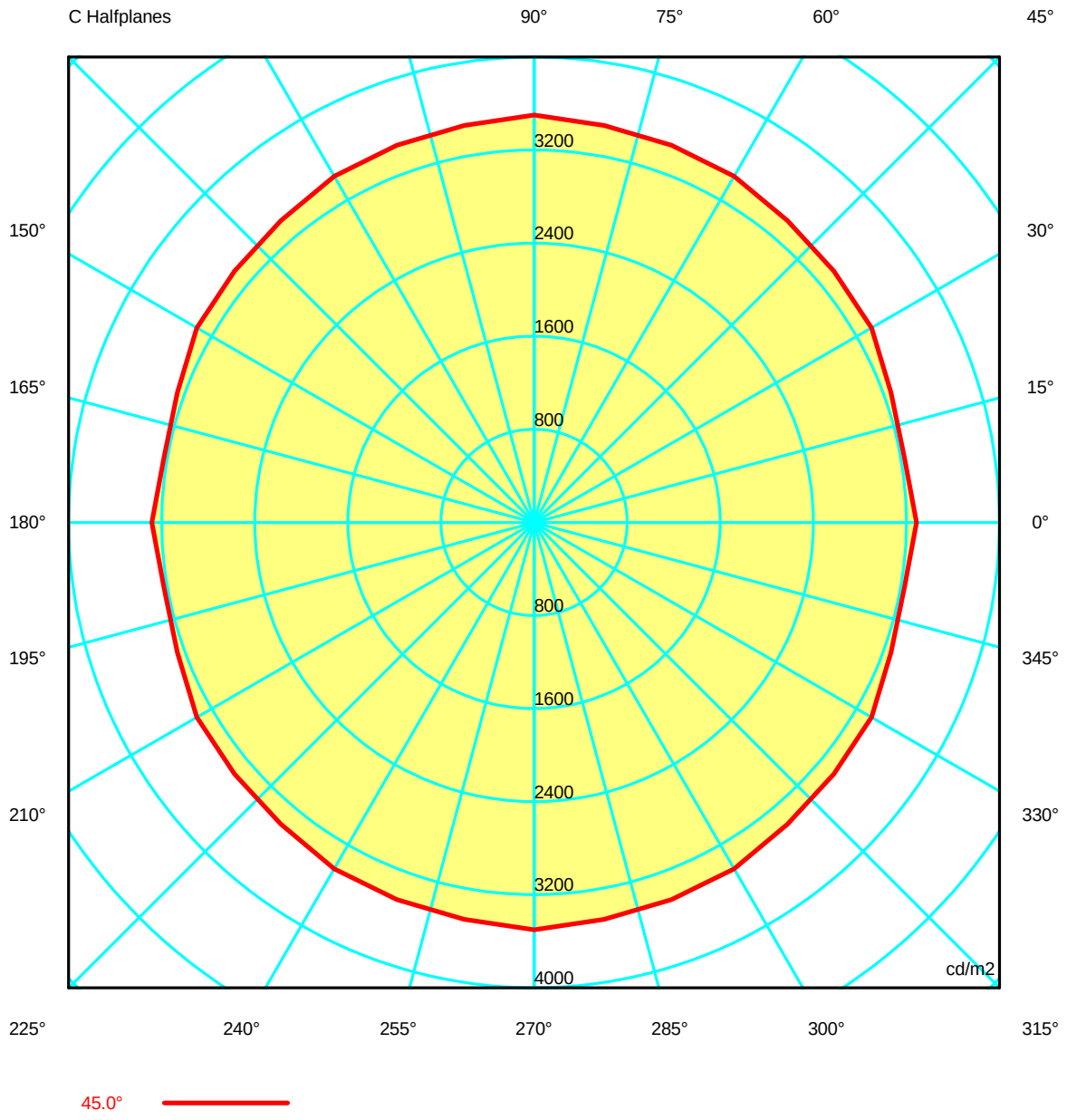
Luminance



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Lamps Flux	526.76 lm	Maximum value	6290.01 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84
G 5.0	659012.85	651553.07	662053.19	676920.34	668633.28	676080.10	693301.74	675881.97	670520.83	696770.20	670520.83	675881.97	693301.74
G 10.0	331638.07	318281.97	323748.64	336669.14	330284.81	333672.44	343334.49	327095.79	323666.10	347911.89	323666.10	327095.79	343334.49
G 15.0	126966.09	120118.16	121960.17	126280.89	120365.42	123147.77	132212.91	125870.56	122157.86	129701.08	122157.86	125870.56	132212.91
G 20.0	59006.70	58067.52	59371.48	61414.93	60735.70	60659.08	61632.75	60776.64	60254.07	61121.01	60254.07	60776.64	61632.75
G 25.0	51505.33	51809.48	51833.15	51655.19	51633.80	51817.42	52047.57	52072.70	51778.19	51243.66	51778.19	52072.70	52047.57
G 30.0	50283.32	50999.09	50496.18	49459.70	49754.63	49913.75	49705.60	49868.98	49998.45	49861.10	49998.45	49868.98	49705.60
G 35.0	28725.19	29924.36	30907.26	31565.86	31778.95	31007.47	30049.47	30325.68	30060.35	28563.43	30060.35	30325.68	30049.47
G 40.0	4182.07	4136.22	4196.85	4322.06	4376.94	4435.73	4493.32	4466.76	4488.66	4606.01	4488.66	4466.76	4493.32
G 45.0	3285.37	3229.33	3263.08	3346.50	3361.35	3385.87	3437.69	3450.43	3464.14	3501.28	3464.14	3450.43	3437.69
G 50.0	2684.40	2678.31	2692.00	2723.18	2751.75	2773.66	2783.03	2776.15	2780.92	2805.52	2780.92	2776.15	2783.03
G 55.0	2369.87	2353.32	2362.87	2386.37	2388.37	2393.89	2391.91	2351.14	2336.19	2368.45	2336.19	2351.14	2391.91
G 60.0	2343.77	2334.76	2336.44	2339.65	2325.16	2310.47	2293.61	2256.91	2239.76	2236.62	2239.76	2256.91	2293.61
G 65.0	2425.82	2411.92	2409.15	2408.64	2377.71	2347.11	2305.87	2221.05	2184.07	2220.39	2184.07	2221.05	2305.87
G 70.0	2406.25	2405.80	2402.68	2396.89	2315.47	2257.42	2229.00	2153.41	2092.16	2073.17	2092.16	2153.41	2229.00
G 75.0	2209.99	2205.82	2191.84	2159.53	2101.87	2013.22	1896.59	1773.81	1719.28	1698.89	1719.28	1773.81	1896.59
G 80.0	1837.98	1779.16	1755.27	1729.68	1517.60	1379.17	1340.08	1204.54	1131.49	1184.46	1131.49	1204.54	1340.08
G 85.0	1300.96	1340.30	1325.34	1228.18	1068.25	943.36	820.64	591.13	433.19	407.60	433.19	591.13	820.64
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	526.76 lm	Maximum value	6290.01 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84
G 5.0	676080.10	668633.28	676920.34	662053.19	651553.07	659012.85	651553.07	662053.19	676920.34	668633.28	676080.10	693301.74	675881.97
G 10.0	333672.44	330284.81	336669.14	323748.64	318281.97	331638.07	318281.97	323748.64	336669.14	330284.81	333672.44	343334.49	327095.79
G 15.0	123147.77	120365.42	126280.89	121960.17	120118.16	126966.09	120118.16	121960.17	126280.89	120365.42	123147.77	132212.91	125870.56
G 20.0	60659.08	60735.70	61414.93	59371.48	58067.52	59006.70	58067.52	59371.48	61414.93	60735.70	60659.08	61632.75	60776.64
G 25.0	51817.42	51633.80	51655.19	51833.15	51809.48	51505.33	51809.48	51833.15	51655.19	51633.80	51817.42	52047.57	52072.70
G 30.0	49913.75	49754.63	49459.70	50496.18	50999.09	50283.32	50999.09	50496.18	49459.70	49754.63	49913.75	49705.60	49868.98
G 35.0	31007.47	31778.95	31565.86	30907.26	29924.36	28725.19	29924.36	30907.26	31565.86	31778.95	31007.47	30049.47	30325.68
G 40.0	4435.73	4376.94	4322.06	4196.85	4136.22	4182.07	4136.22	4196.85	4322.06	4376.94	4435.73	4493.32	4466.76
G 45.0	3385.87	3361.35	3346.50	3263.08	3229.33	3285.37	3229.33	3263.08	3346.50	3361.35	3385.87	3437.69	3450.43
G 50.0	2773.66	2751.75	2723.18	2692.00	2678.31	2684.40	2678.31	2692.00	2723.18	2751.75	2773.66	2783.03	2776.15
G 55.0	2393.89	2388.37	2386.37	2362.87	2353.32	2369.87	2353.32	2362.87	2386.37	2388.37	2393.89	2391.91	2351.14
G 60.0	2310.47	2325.16	2339.65	2336.44	2334.76	2343.77	2334.76	2336.44	2339.65	2325.16	2310.47	2293.61	2256.91
G 65.0	2347.11	2377.71	2408.64	2409.15	2411.92	2425.82	2411.92	2409.15	2408.64	2377.71	2347.11	2305.87	2221.05
G 70.0	2257.42	2315.47	2396.89	2402.68	2405.80	2406.25	2405.80	2402.68	2396.89	2315.47	2257.42	2229.00	2153.41
G 75.0	2013.22	2101.87	2159.53	2191.84	2205.82	2209.99	2205.82	2191.84	2159.53	2101.87	2013.22	1896.59	1773.81
G 80.0	1379.17	1517.60	1729.68	1755.27	1779.16	1837.98	1779.16	1755.27	1729.68	1517.60	1379.17	1340.08	1204.54
G 85.0	943.36	1068.25	1228.18	1325.34	1340.30	1300.96	1340.30	1325.34	1228.18	1068.25	943.36	820.64	591.13
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 PX-0378-GRI
Name APLIQUE PROYECTOR
Measurem.
Code PX-0378-GRI
Name APLIQUE PROYECTOR

Luminaire Flux	526.76 lm	Luminaire Power	7.29 W	Efficacy	72.26 lm/W	Efficiency	100.00%
Lamps Flux	526.76 lm	Maximum value	6290.01 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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

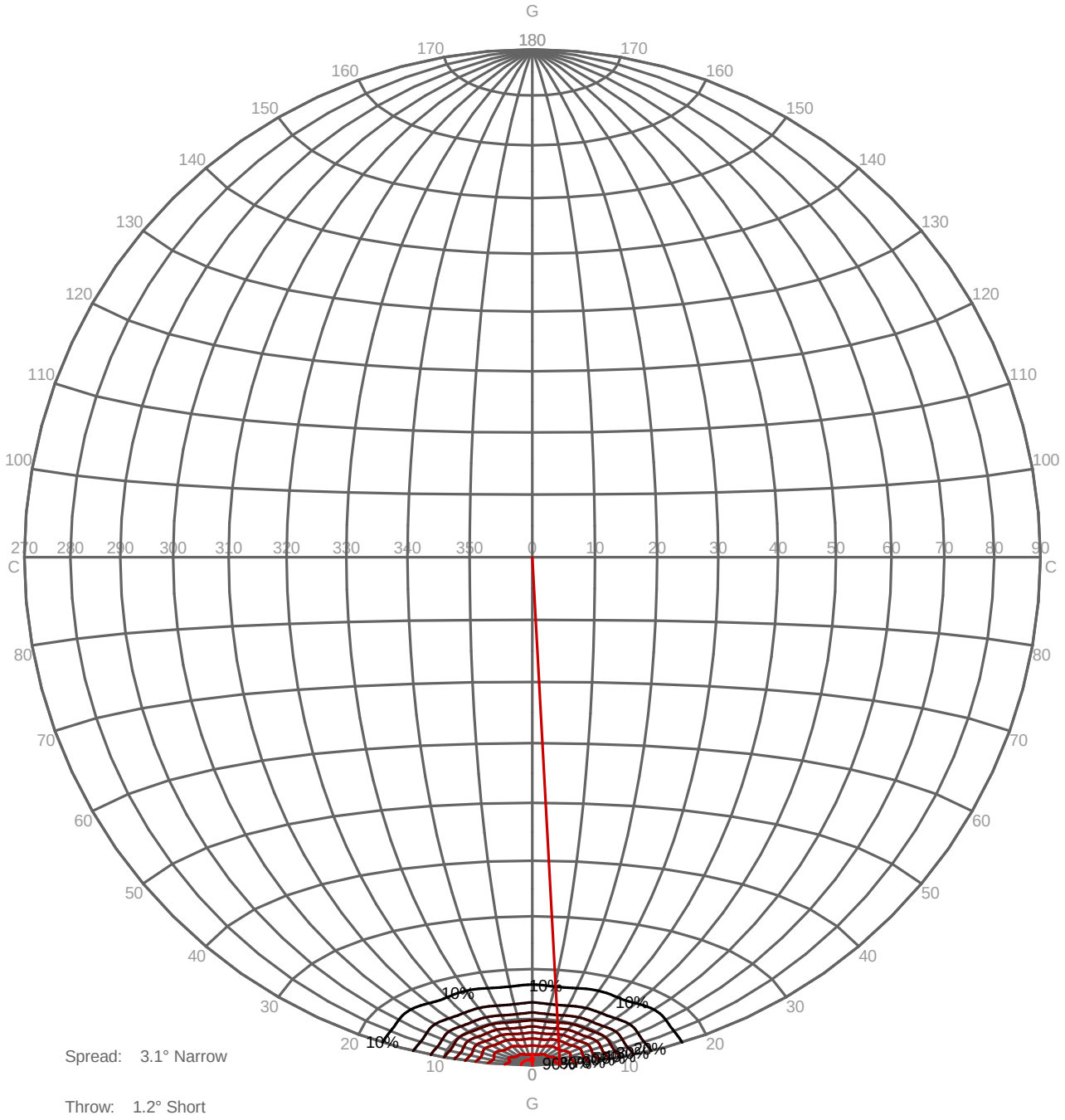
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84	861051.84
G 5.0	670520.83	696770.20	670520.83	675881.97	693301.74	676080.10	668633.28	676920.34	662053.19	651553.07
G 10.0	323666.10	347911.89	323666.10	327095.79	343334.49	333672.44	330284.81	336669.14	323748.64	318281.97
G 15.0	122157.86	129701.08	122157.86	125870.56	132212.91	123147.77	120365.42	126280.89	121960.17	120118.16
G 20.0	60254.07	61121.01	60254.07	60776.64	61632.75	60659.08	60735.70	61414.93	59371.48	58067.52
G 25.0	51778.19	51243.66	51778.19	52072.70	52047.57	51817.42	51633.80	51655.19	51833.15	51809.48
G 30.0	49998.45	49861.10	49998.45	49868.98	49705.60	49913.75	49754.63	49459.70	50496.18	50999.09
G 35.0	30060.35	28563.43	30060.35	30325.68	30049.47	31007.47	31778.95	31565.86	30907.26	29924.36
G 40.0	4488.66	4606.01	4488.66	4466.76	4493.32	4435.73	4376.94	4322.06	4196.85	4136.22
G 45.0	3464.14	3501.28	3464.14	3450.43	3437.69	3385.87	3361.35	3346.50	3263.08	3229.33
G 50.0	2780.92	2805.52	2780.92	2776.15	2783.03	2773.66	2751.75	2723.18	2692.00	2678.31
G 55.0	2336.19	2368.45	2336.19	2351.14	2391.91	2393.89	2388.37	2386.37	2362.87	2353.32
G 60.0	2239.76	2236.62	2239.76	2256.91	2293.61	2310.47	2325.16	2339.65	2336.44	2334.76
G 65.0	2184.07	2220.39	2184.07	2221.05	2305.87	2347.11	2377.71	2408.64	2409.15	2411.92
G 70.0	2092.16	2073.17	2092.16	2153.41	2229.00	2257.42	2315.47	2396.89	2402.68	2405.80
G 75.0	1719.28	1698.89	1719.28	1773.81	1896.59	2013.22	2101.87	2159.53	2191.84	2205.82
G 80.0	1131.49	1184.46	1131.49	1204.54	1340.08	1379.17	1517.60	1729.68	1755.27	1779.16
G 85.0	433.19	407.60	433.19	591.13	820.64	943.36	1068.25	1228.18	1325.34	1340.30
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 PX-0378-GRI
Name APLIQUE PROYECTOR
Measurem.
Code PX-0378-GRI
Name APLIQUE PROYECTOR

Luminaire Flux	526.76 lm	Luminaire Power	7.29 W	Efficacy	72.26 lm/W	Efficiency	100.00%
Lamps Flux	526.76 lm	Maximum value	6290.01 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

PERCENTAGE ISOCANDLES

Projection: Equal Area SLI 10.8 Tight Tilting Angle:0°



Spread: 3.1° Narrow

Throw: 1.2° Short

Luminaire
Code PX-0378-GRI
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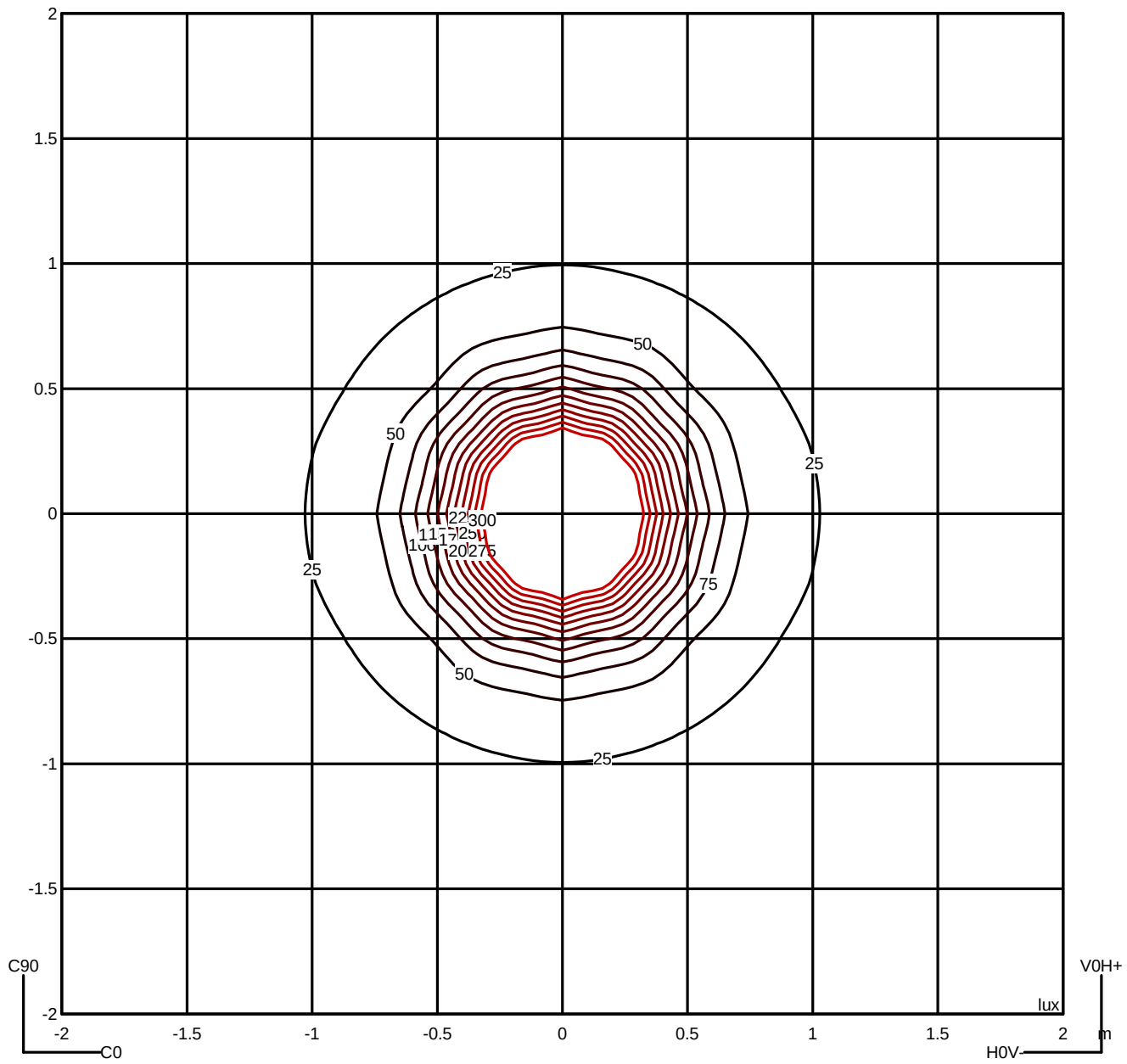
Code PX-0378-GRI
Name APLIQUE PROYECTOR

Luminaire Flux	526.76 lm	Luminaire Power	7.29 W	Efficacy	72.26 lm/W	Efficiency	100.00%
Lamps Flux	526.76 lm	Maximum value	6290.01 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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



Luminaire
Code PX-0378-GRI
Name APLIQUE PROYECTOR
Measurem.
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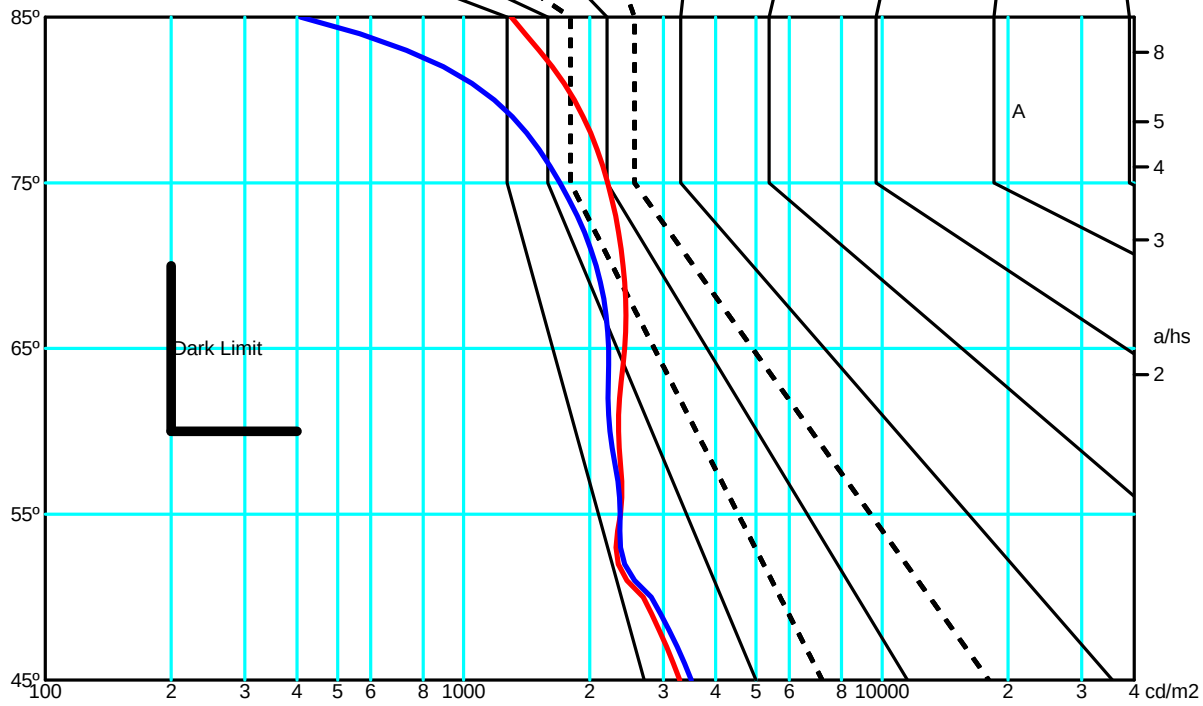
Name APLIQUE PROYECTOR

Luminaire Flux	526.76 lm	Luminaire Power	7.29 W	Efficacy	72.26 lm/W	Efficiency	100.00%
Lamps Flux	526.76 lm	Maximum value	6290.01 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Average Luminance [cd/m²]

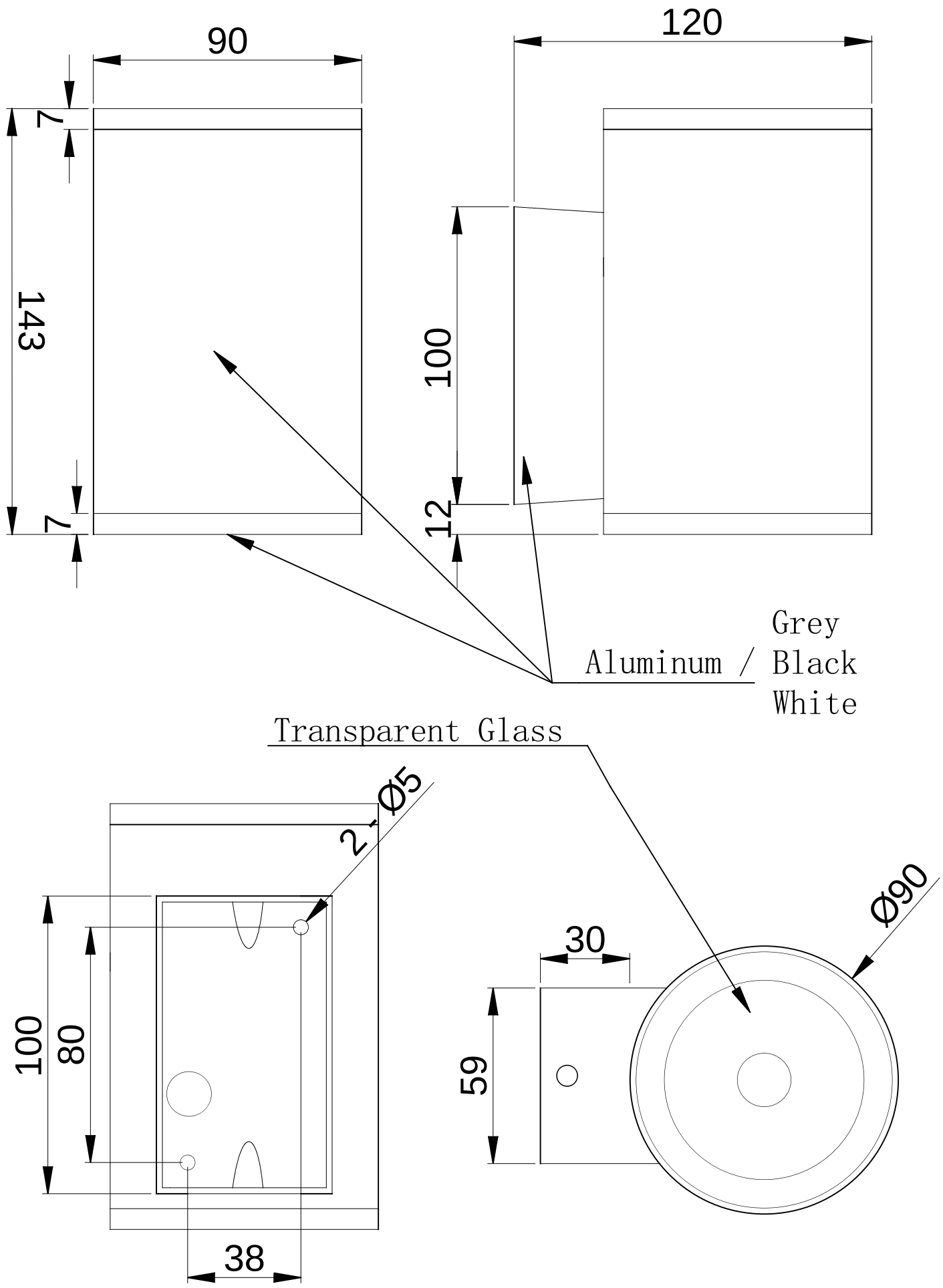
	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	3285	2684	2370	2344	2426	2406	2210	1838	1301	---
90.0°	3501	2806	2368	2237	2220	2073	1699	1184	408	---

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

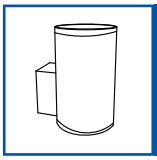


Longitudinal Transversal

PX-0378

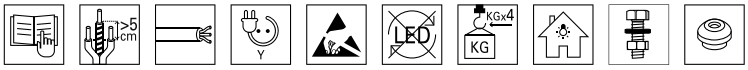


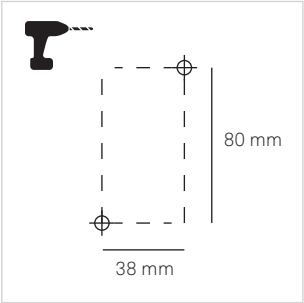
31-05-17

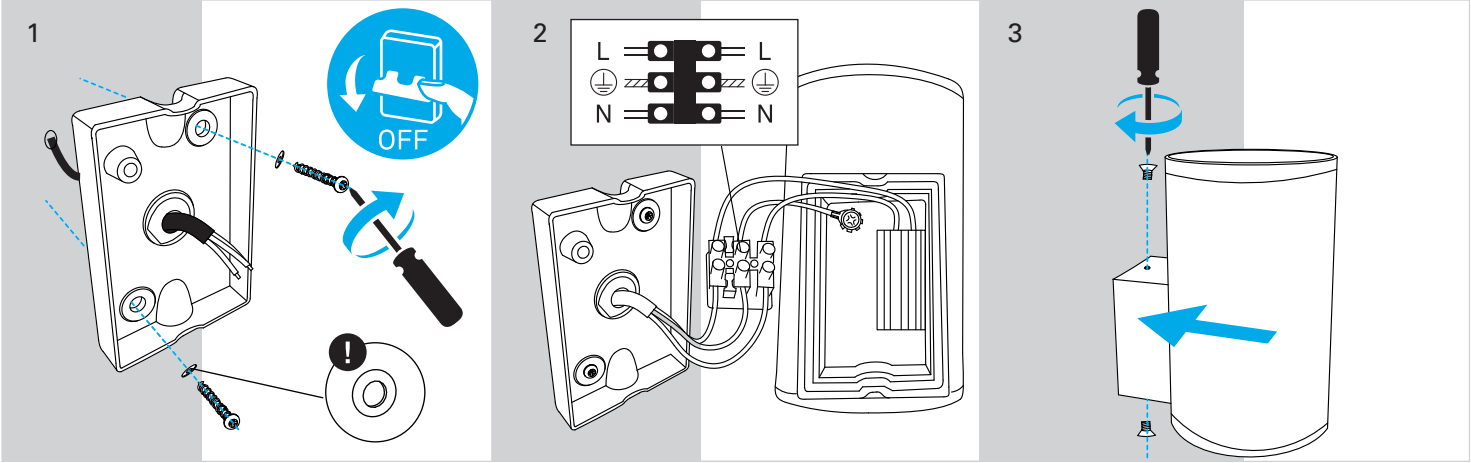


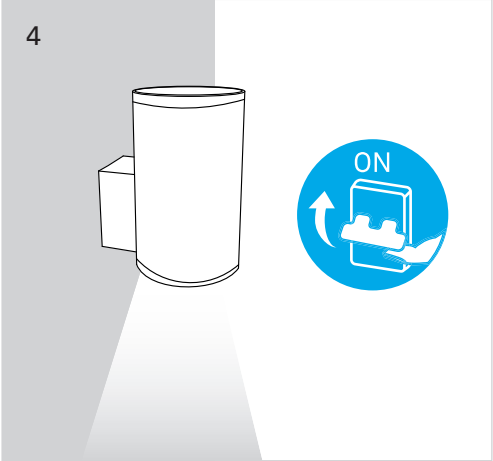
Orion

PX-0378









4-12-2020