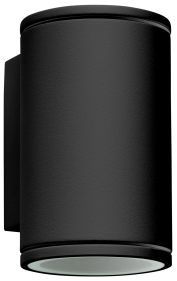
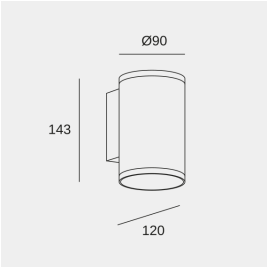
Installation Instructions
Photometry

Orion Single Emission PX-0378-NEG

Surface-mounted wall light IP54 Orion Single Emission LED 7.3W 3000K ON-OFF Black 610.00





TECHNICAL FEATURES

IP54 IK07

Luminaire total power : 7.3W

Real lumens : 527

Nominal lumens : 610

Real lm/W : 72

Lens / reflector angle : SPOT 17°

UGR : <=16

Structure material : Aluminium

Structure finish : Black

Diffuser material : Glass

Diffuser finish : Transparent

Voltage / frequency : 100-240V ~ 50/60Hz

Dimming protocol : ON-OFF

Power Factor : 0.50

Useful life : 36.000h L70B30

Warranty : 5 Years

Easily recyclable luminaire

LUMINOTECHNIC FEATURES

CRI: 80

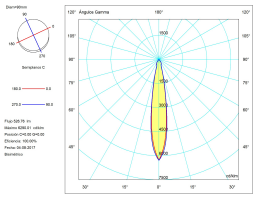
MacAdam steps: 3

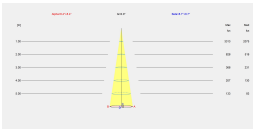
Photobiological risk: RG1

UGR

UGR crosswise: 13.7

UGR lengthwise: 13.3





Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
LED	1	5.6W	3000K

LOGISTICS

Net weight (kg): 0.73

Packaged weight (kg): 0.84

Packaging: 140mm x 100mm x 160mm

10 Un

LIGHT APPLICATION



Image may not match reference. LEDS C4 reserves the right to amend any of the product's components. The data related to flux, power and colour temperature are subject to a tolerance of ±10%.

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

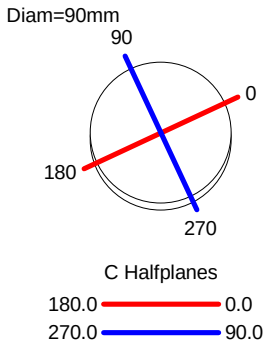
Luminaire Flux	526.76 lm	Luminaire Power	7.29 W	Efficacy	72.26 lm/W	Efficiency	100.00%
Lamps Flux	526.76 lm	Maximum value	6290.01 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

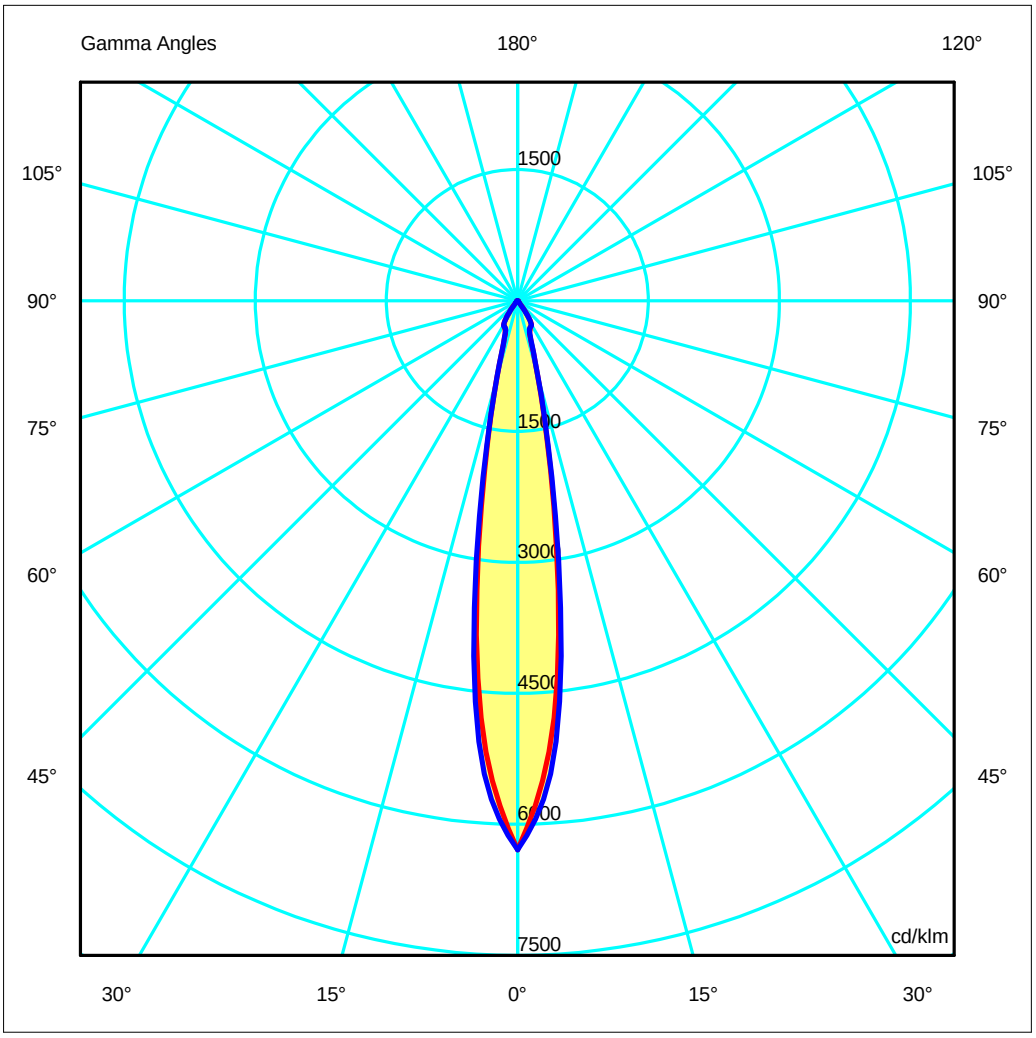
Round Luminaire	Diam. 90 mm	Height	140 mm
Round Luminous Area	Diam. 70 mm	Height	0 mm
Horizontal Luminous Area	0.003848 m2	Emitting area on Plane 180°	0.000000 m2
Emitting area on Plane 0°	0.000000 m2	Emitting area on Plane 270°	0.000000 m2
Emitting area on Plane 90°	0.000000 m2	Glare area at 76°	0.000931 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	08-09-2017	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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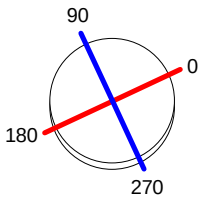
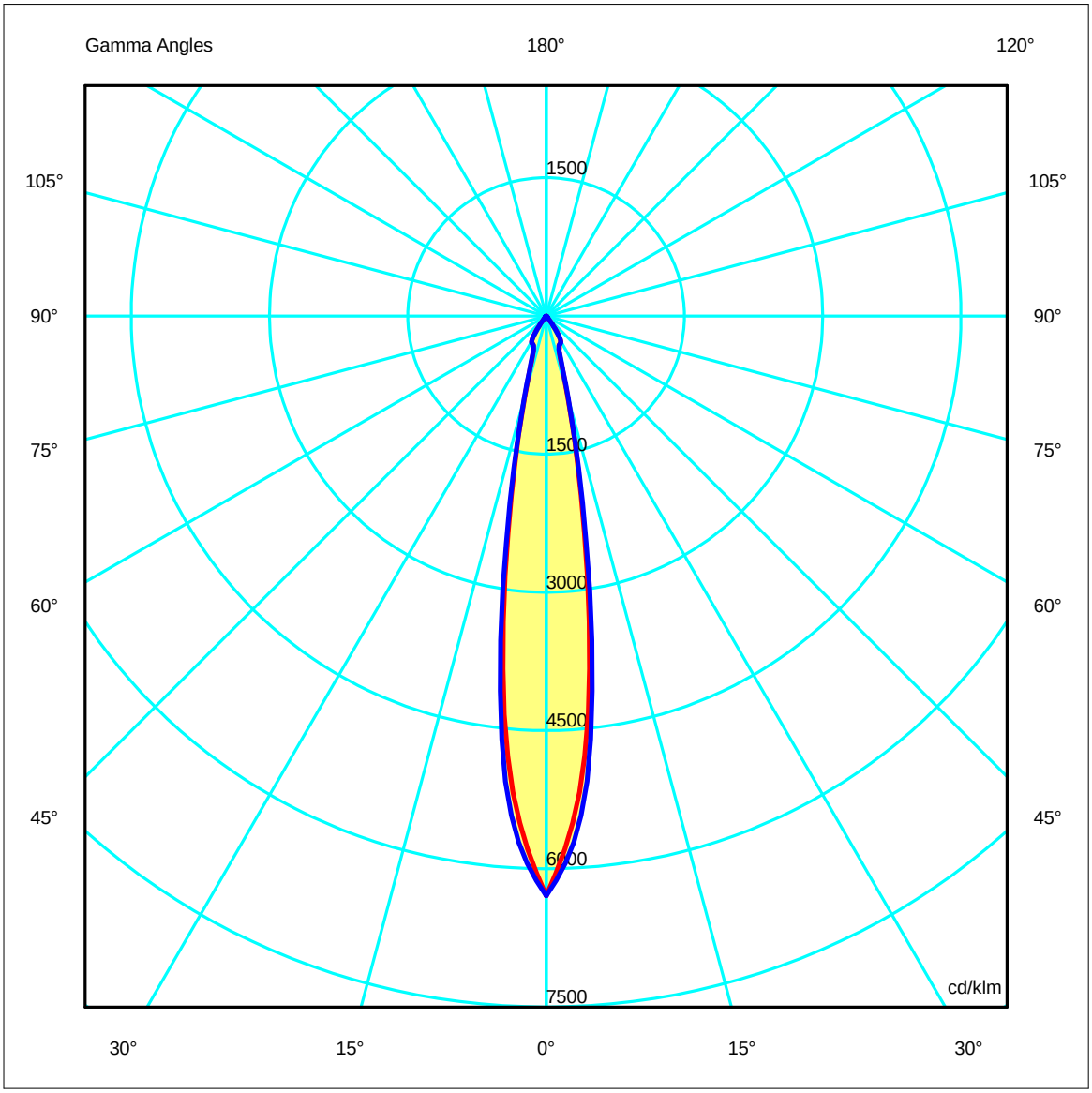
Diam=90mm



C Halfplanes





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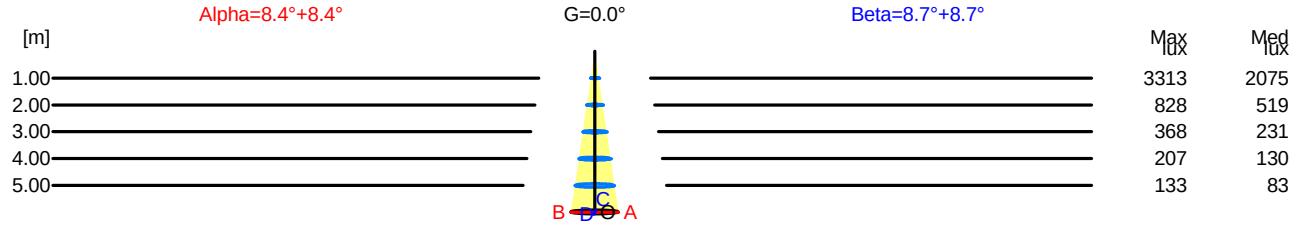
Width at 50.00 % of Max Intensity

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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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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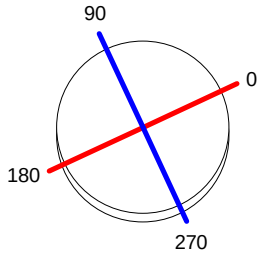
Diam=90mm



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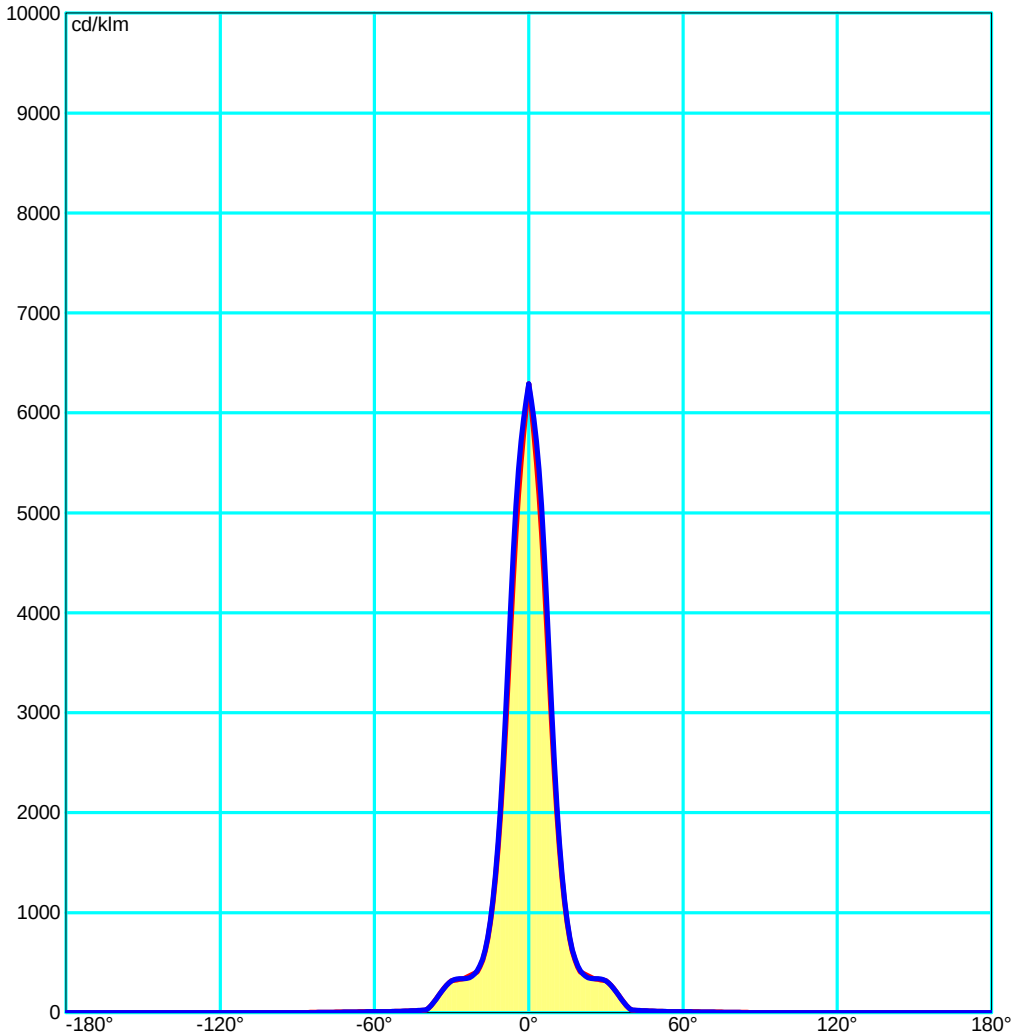

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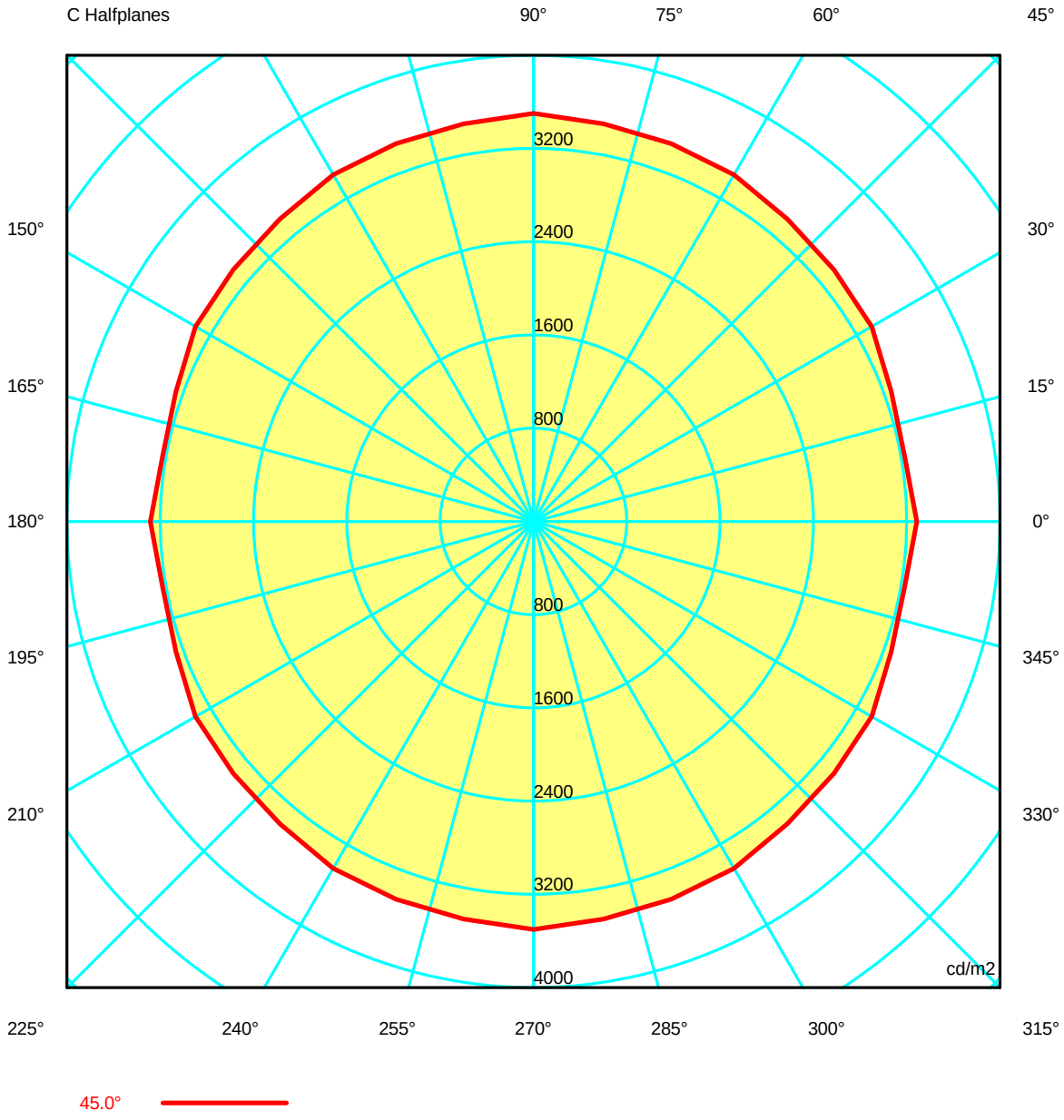
Luminance



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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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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-NEG
Name APLIQUE PROYECTOR
Measurem.
Code PX-0378-NEG
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
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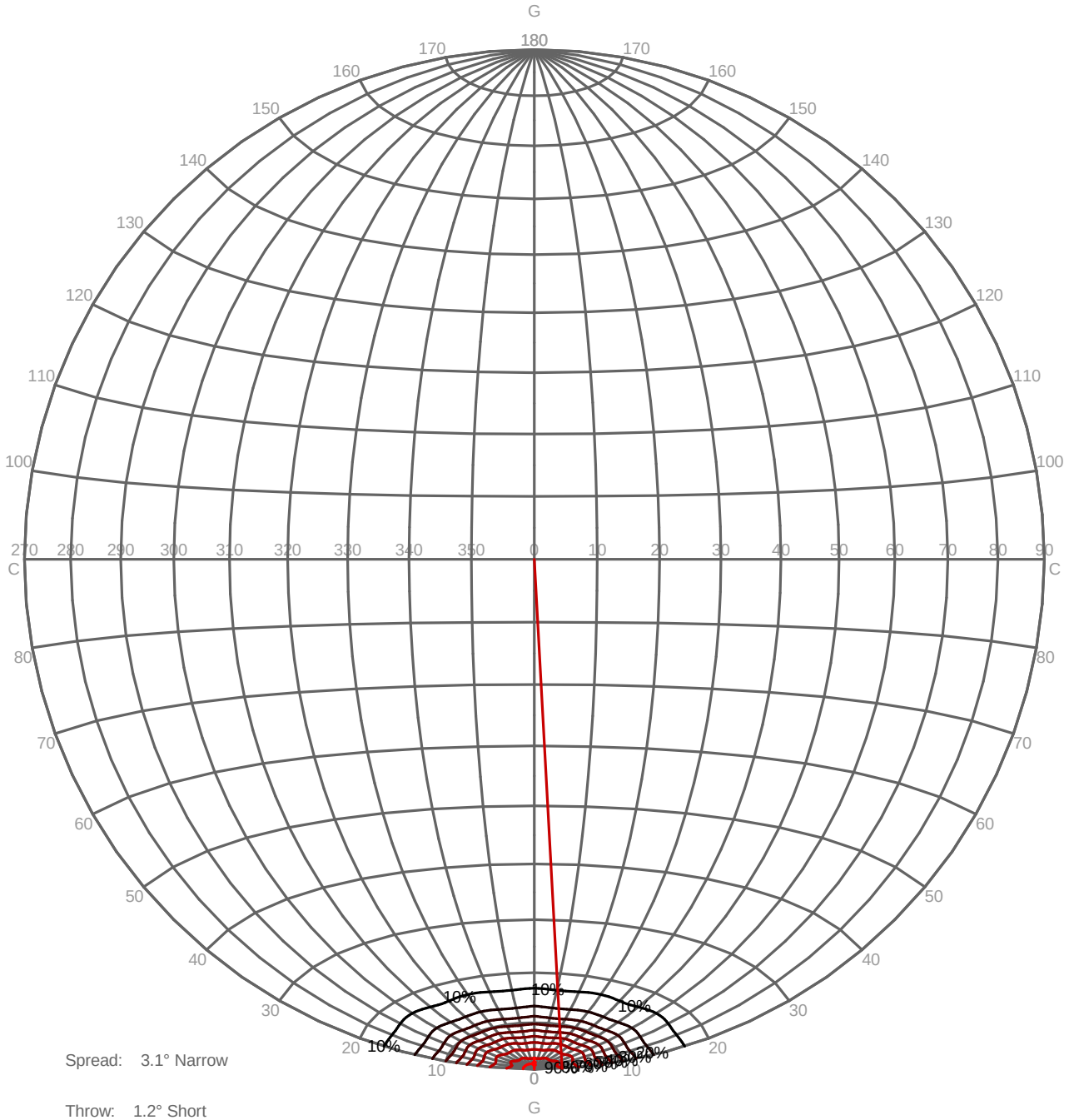
Measurem.
Code PX-0378-NEG
Name APLIQUE PROYECTOR

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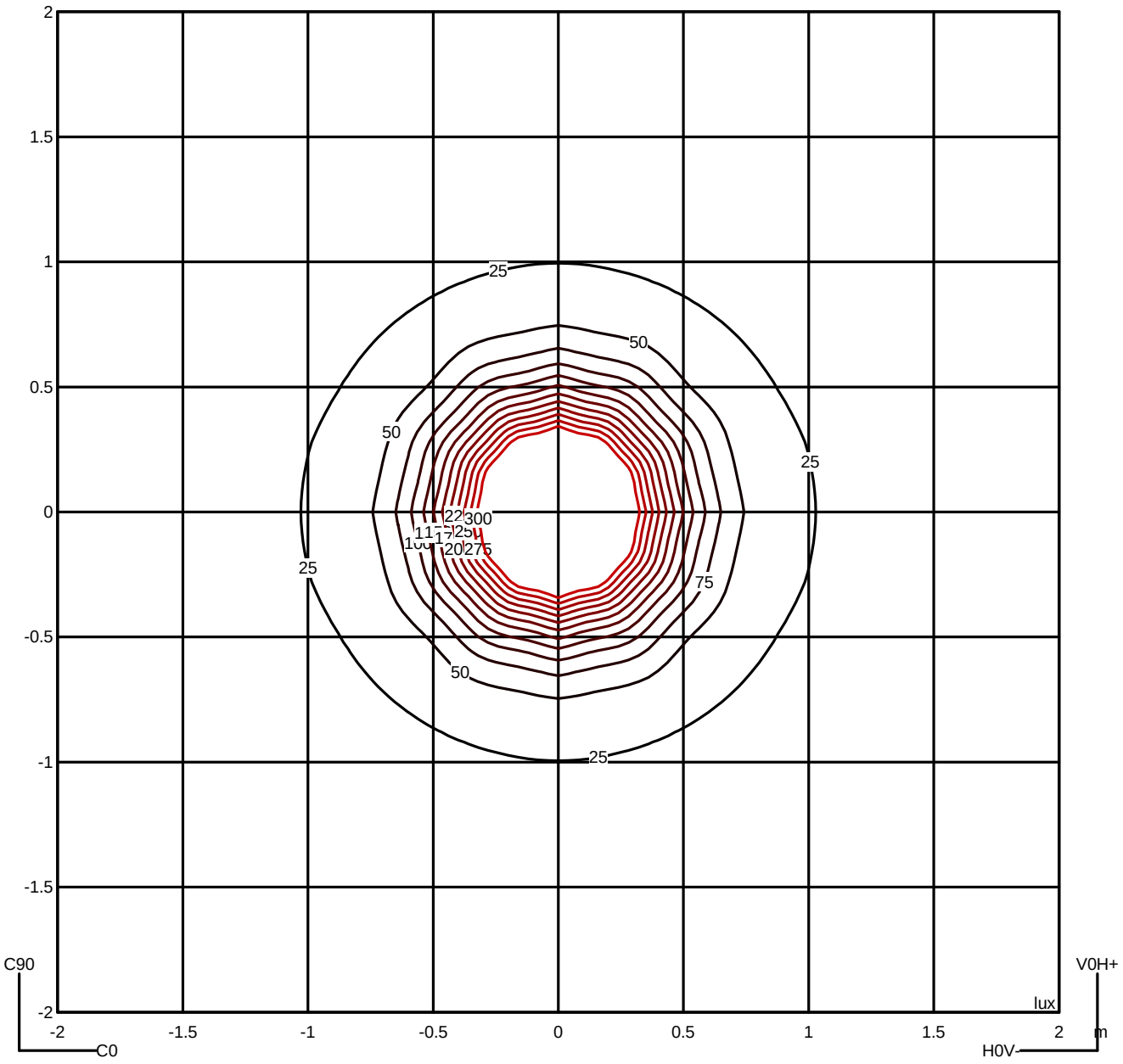
Luminaire Flux	526.76 lm	Luminaire Power	7.29 W	Efficacy	72.26 lm/W	Efficiency	100.00%
Lamps Flux	526.76 lm	Maximum value	6290.01 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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



Luminaire
Code PX-0378-NEG
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Measurem.
Code PX-0378-NEG
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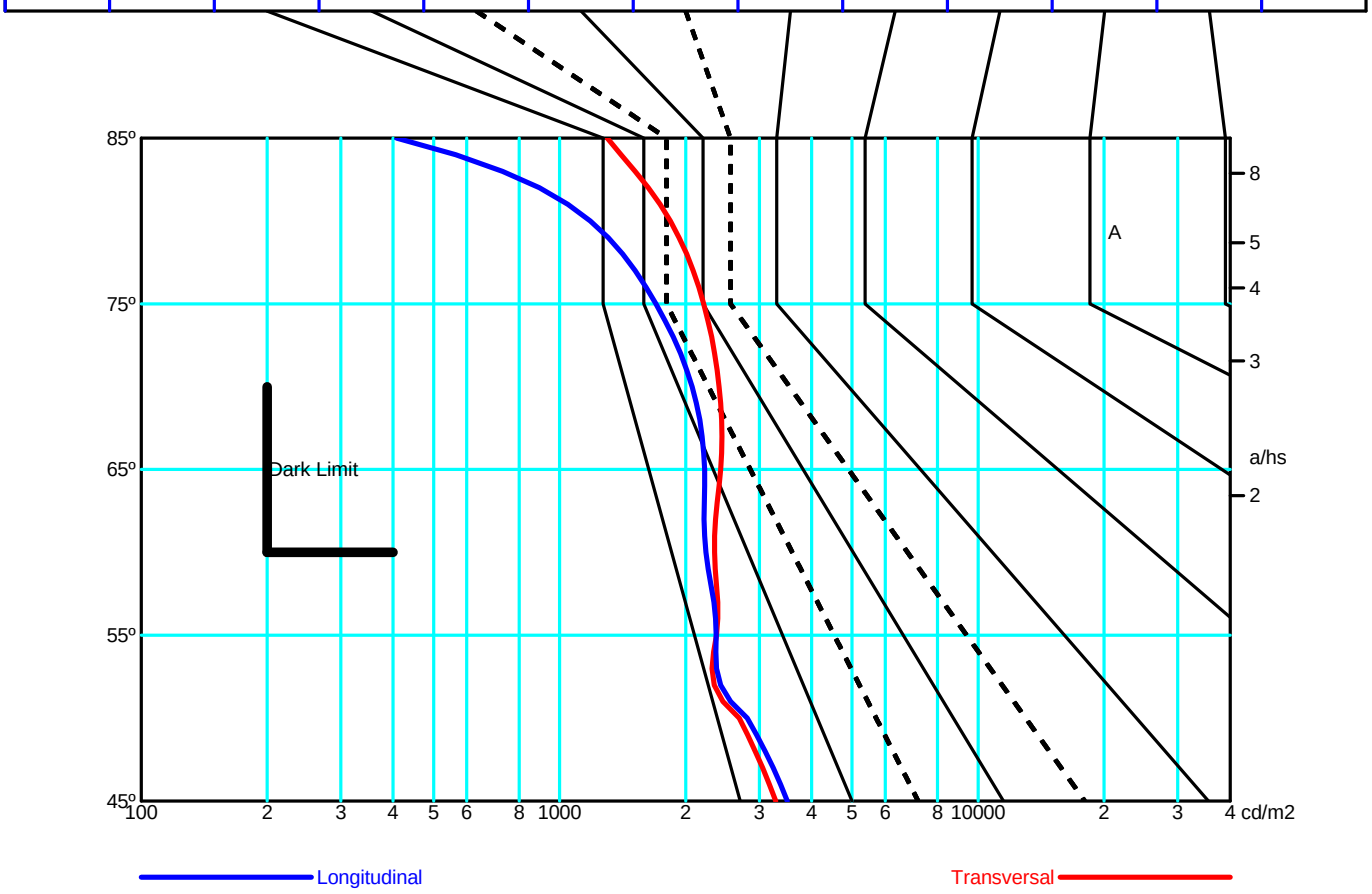
Luminaire Flux	526.76 lm	Luminaire Power	7.29 W	Efficacy	72.26 lm/W	Efficiency	100.00%
Lamps Flux	526.76 lm	Maximum value	6290.01 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	---

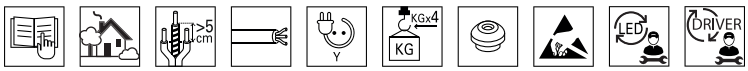
Flush mounted or longitudinal view

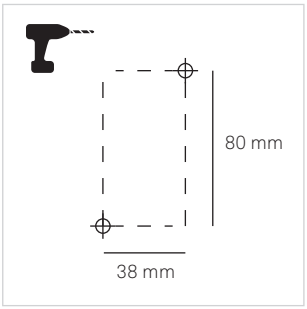
		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55

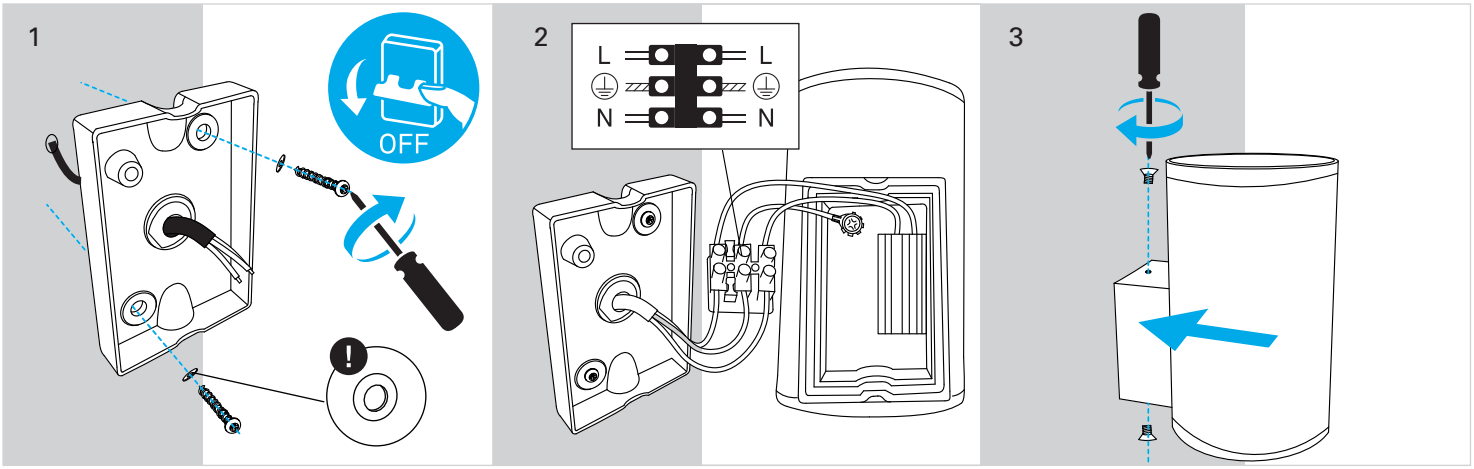


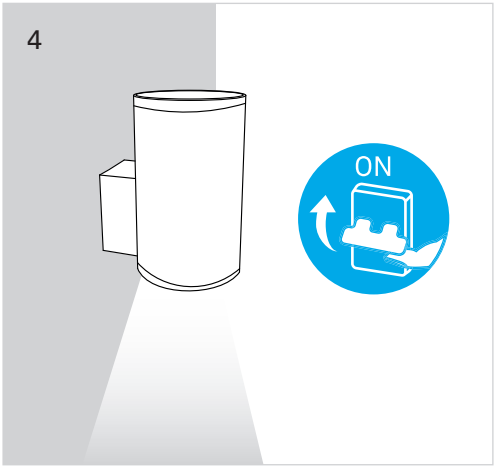
Orion

PX-0378









03-11-2021