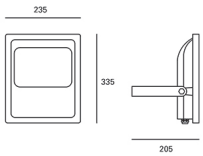
Advance 335mm x 235mm

PX-0117-NEG

Spotlight IP65 ADVANCE LED 45W 3000K Black 3662lm





TECHNICAL FEATURES

IP65 IK08 ±90°

Luminaire total power : 48W

Real lumens : 3662

Nominal lumens : 5100

Real lm/W : 76

Lens / reflector angle : HORIZONTAL 113º

Structure material : Aluminium

Structure finish : Black

Diffuser material : Glass

Diffuser finish : Transparent

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

Power Factor : 0.96

Useful life : 36.000h L70B30

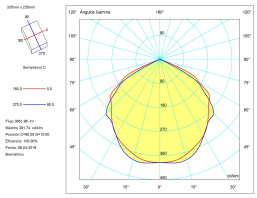
Warranty : 3 Years

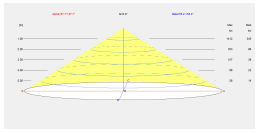
Easily recyclable luminaire

LUMINOTECHNIC FEATURES

CRI: 70

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
LED	1	45W	3000K





LOGISTICS

Net weight (kg): 2.01

Packaged weight (kg): 2.52

Packaging: 270mm x 120mm x 320mm

2 Un

LIGHT APPLICATION

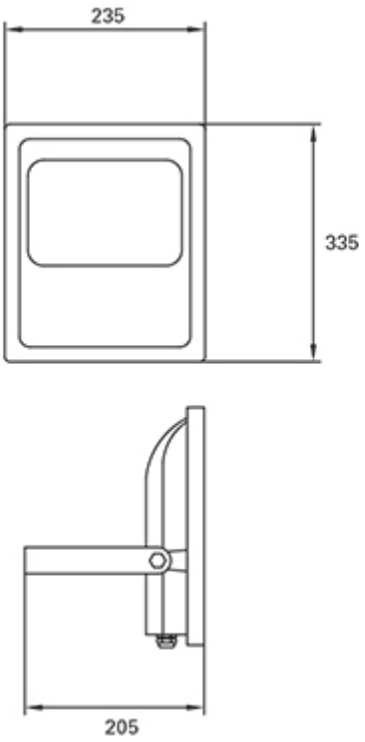


Image may not match reference. LEDS C4 reserves the right to amend any of the product's components. The data related to flux, power and colour temperature are subject to a tolerance of ±10%.

Luminaire
Code PX-0117-NEG
Name Foco ADVANCE led 50W 3000K
Measurem.
Code PX-0113-NEG
Name Foco ADVANCE led 50W 3000K

Luminaire Flux	3661.92 lm	Luminaire Power	50.00 W	Efficacy	73.24 lm/W	Efficiency	100.00%
Lamps Flux	3661.96 lm	Maximum value	1434.55 cd	Position	C=90.00 G=10.00	CG	Double Symmetrical

Rectangular Luminaire	Length	335 mm	Width	235 mm	Height	40 mm
Rectangular Luminous Area	Length	60 mm	Width	70 mm	Height	0 mm

Horizontal Luminous Area	0.004200 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°	0.001016 m2

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	08-04-2016	Maximum Gamma Angle	90
Measurement Distance	0.00	Measurement Flux	3661.96 lm

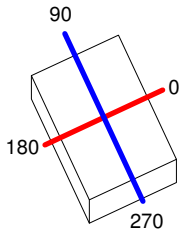
Operator	Asselum T3	Source Voltage [V]	
Temperature	25.00 °C	Source current [A]	
Humidity	60.00 %	Photocell	
Notes			

Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	PX-0117-NEG	PX-0117-NEG - 50.00 W	3661.96	50.00	1

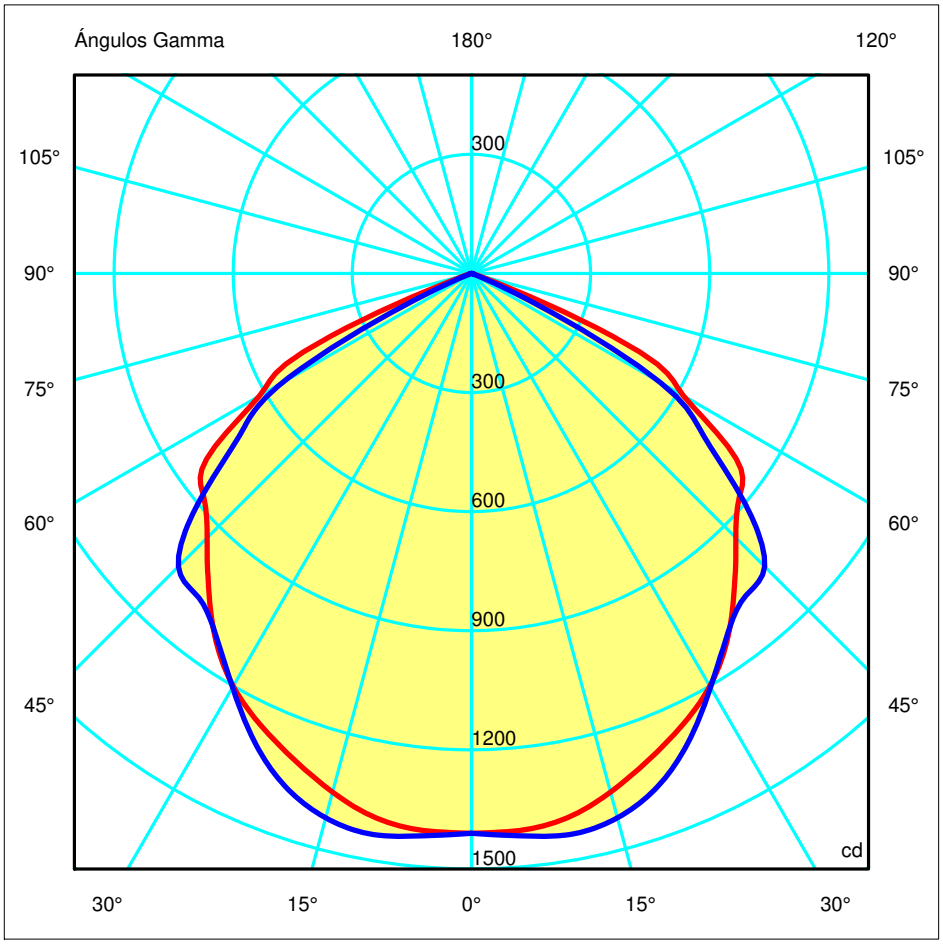
C.I.E.	52 89 100 100 100	D DIN 5040	A40
F UTE	1.00 D	B NBN	BZ 4 / 1 / BZ 3

335mm x 235mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0

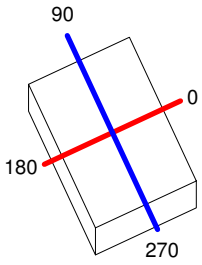


ULOR	0.00 %
DLOR	100.00 %
RN	0.00 %

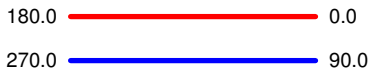
Luminaire
Code PX-0117-NEG
Name Foco ADVANCE led 50W 3000K
Measurem.
Code PX-0113-NEG
Name Foco ADVANCE led 50W 3000K

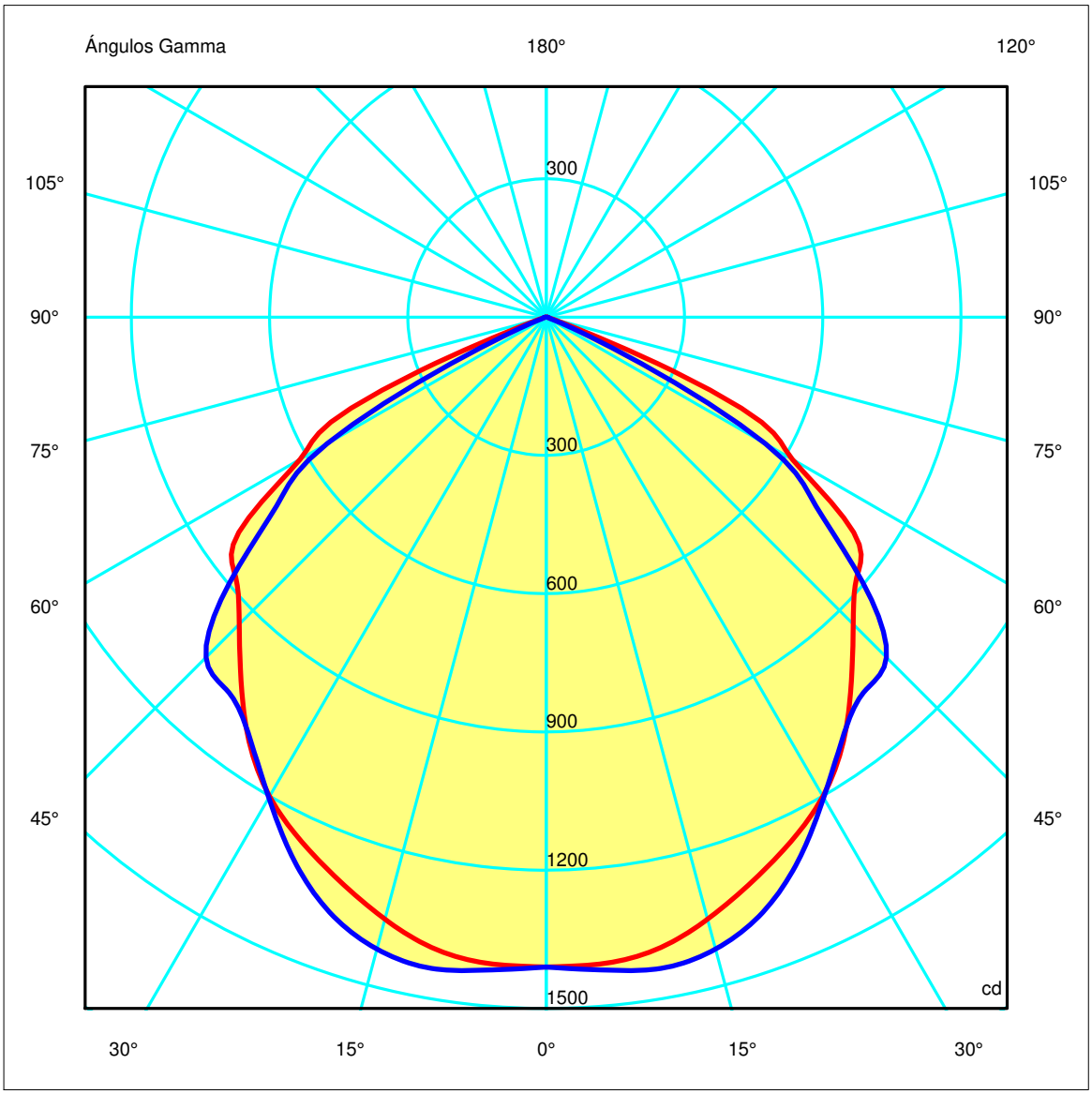
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Lamps Flux	3661.96 lm	Maximum value	1434.55 cd	Position	C=90.00 G=10.00	CG	Double Symmetrical

335mm x 235mm



Semiplanos C





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Code PX-0117-NEG
Name Foco ADVANCE led 50W 3000K
Measurem.
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Name Foco ADVANCE led 50W 3000K

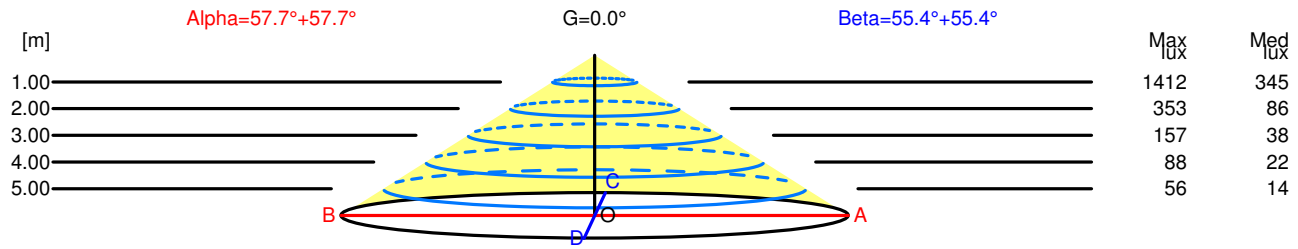
Luminaire Flux	3661.92 lm	Luminaire Power	50.00 W	Efficacy	73.24 lm/W	Efficiency	100.00%
Lamps Flux	3661.96 lm	Maximum value	1434.55 cd	Position	C=90.00 G=10.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

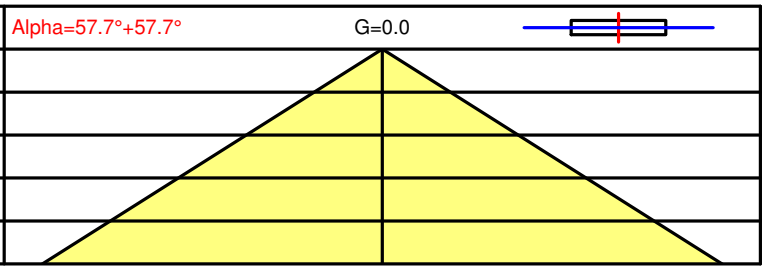
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.58	3.16	4.75	6.33	7.91	OC	1.45	2.90	4.34	5.79	7.24
OB	1.58	3.16	4.75	6.33	7.91	OD	1.45	2.90	4.34	5.79	7.24

Luminous Intensities [cd]

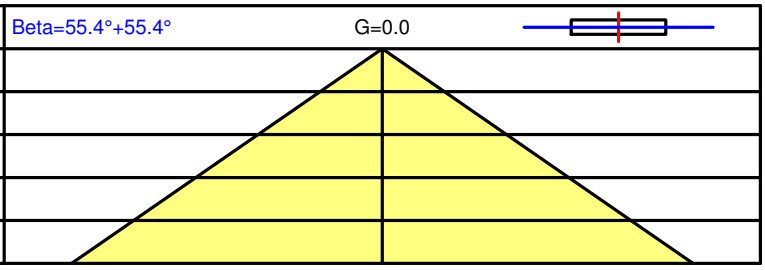
	0	5	15	25	35	45	55	65	75	85
OA	1409.90	1408.16	1352.27	1255.63	1124.04	941.96	814.25	467.05	6.70	2.17
OB	1409.90	1408.16	1352.27	1255.63	1124.04	941.96	814.25	467.05	6.70	2.17
OC	1409.90	1421.72	1419.24	1297.45	1119.23	1043.79	713.95	157.48	6.42	2.70
OD	1409.90	1421.72	1419.24	1297.45	1119.23	1043.79	713.95	157.48	6.42	2.70



H[m]	D[m]	Max lux	Med lux
1.00	3.16	1412	345
2.00	6.33	353	86
3.00	9.49	157	38
4.00	12.66	88	22
5.00	15.82	56	14



H[m]	D[m]	Max lux	Med lux
1.00	2.90	1412	345
2.00	5.79	353	86
3.00	8.69	157	38
4.00	11.58	88	22
5.00	14.48	56	14

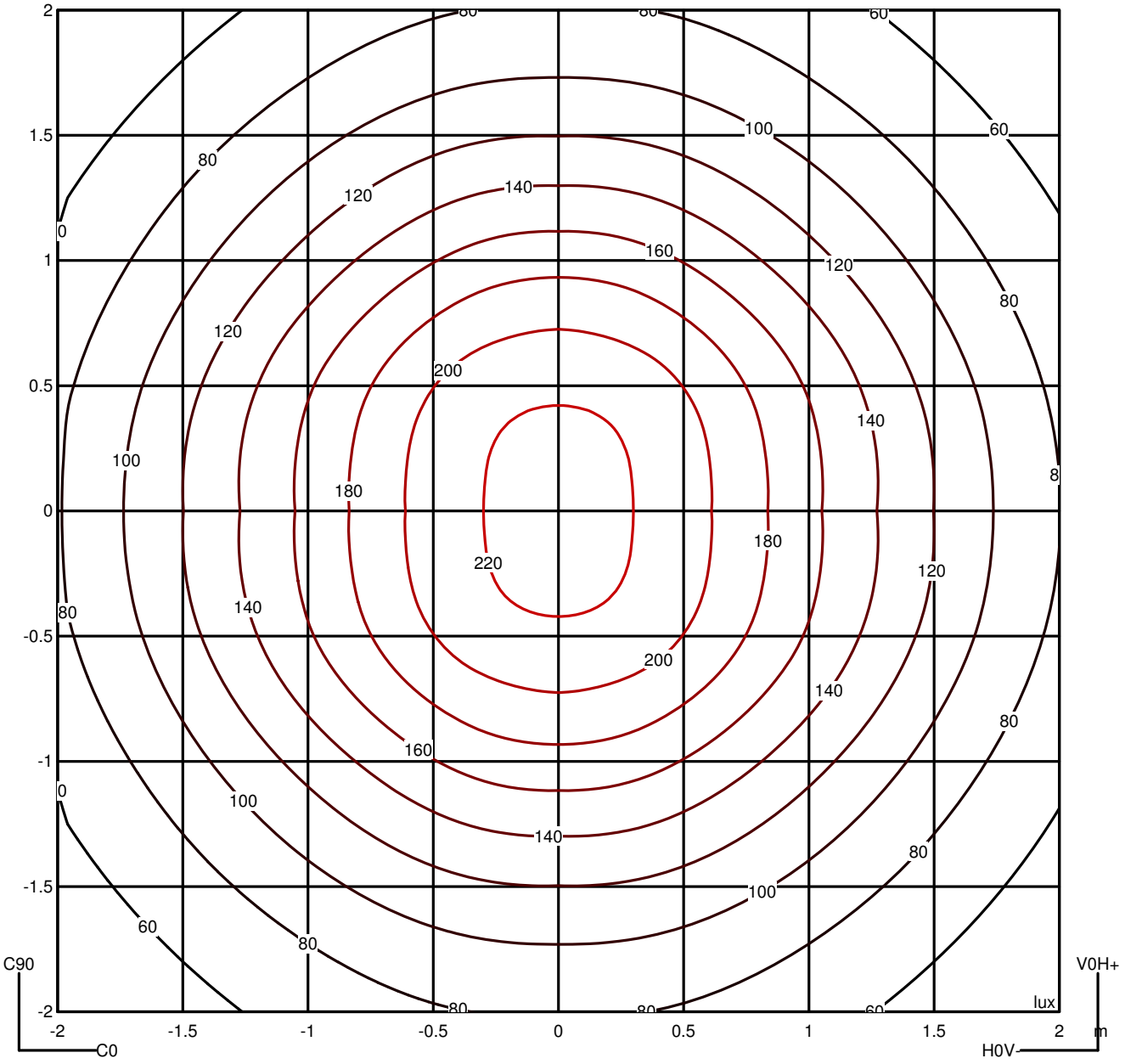


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Code PX-0113-NEG
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Lamps Flux	3661.96 lm	Maximum value	1434.55 cd	Position	C=90.00 G=10.00	CG	Double Symmetrical

Isolux (Floor)

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



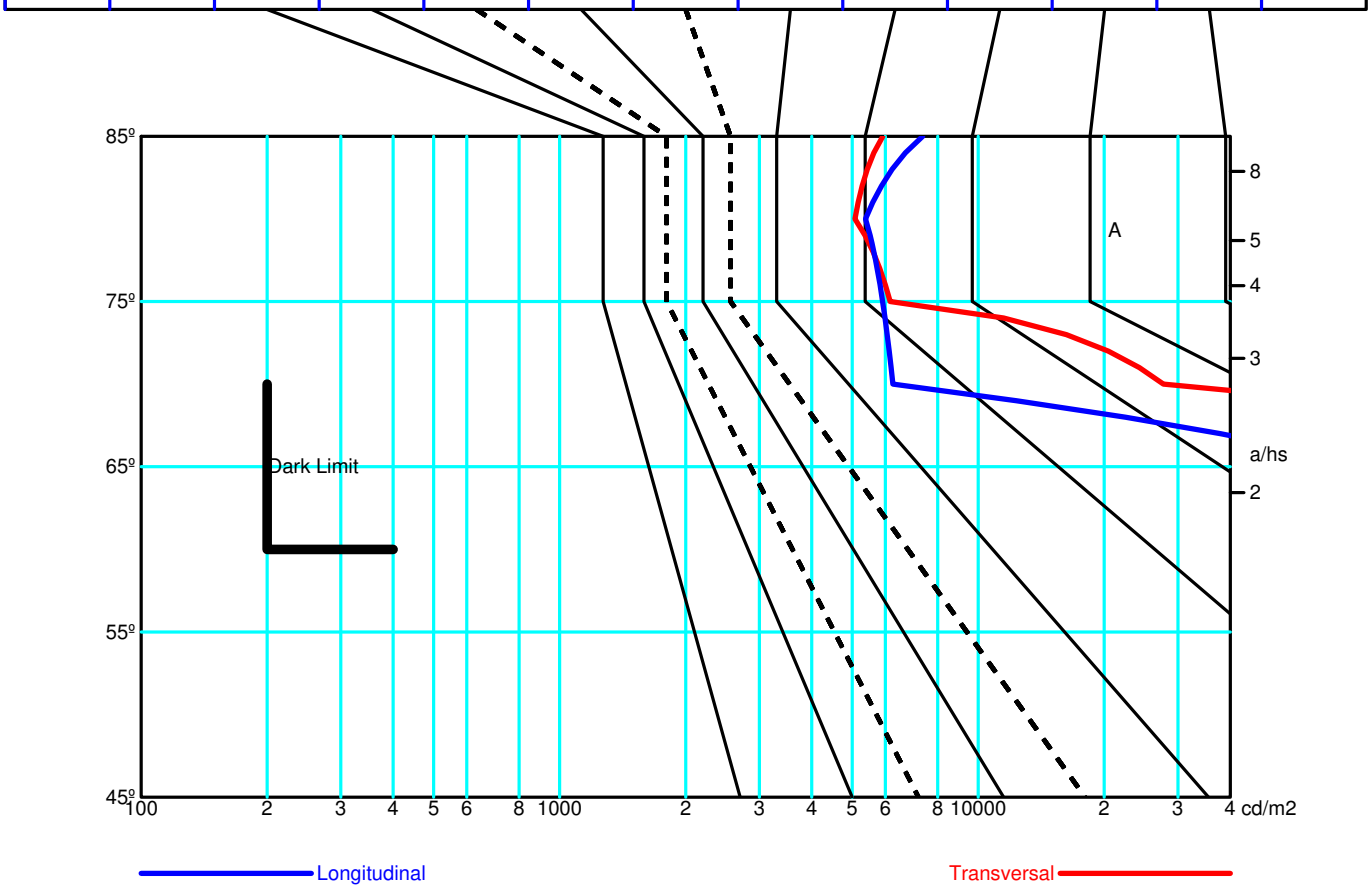
Luminaire
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Average Luminance [cd/m²]

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	317176	325613	337999	293607	263128	27703	6160	5076	5915	---
90.0°	351462	332318	296363	261688	88720	6252	5904	5380	7365	---

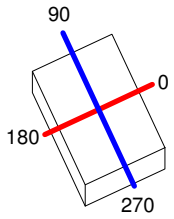
Flujo montado o vista longitudinal												
		Iluminancia (lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



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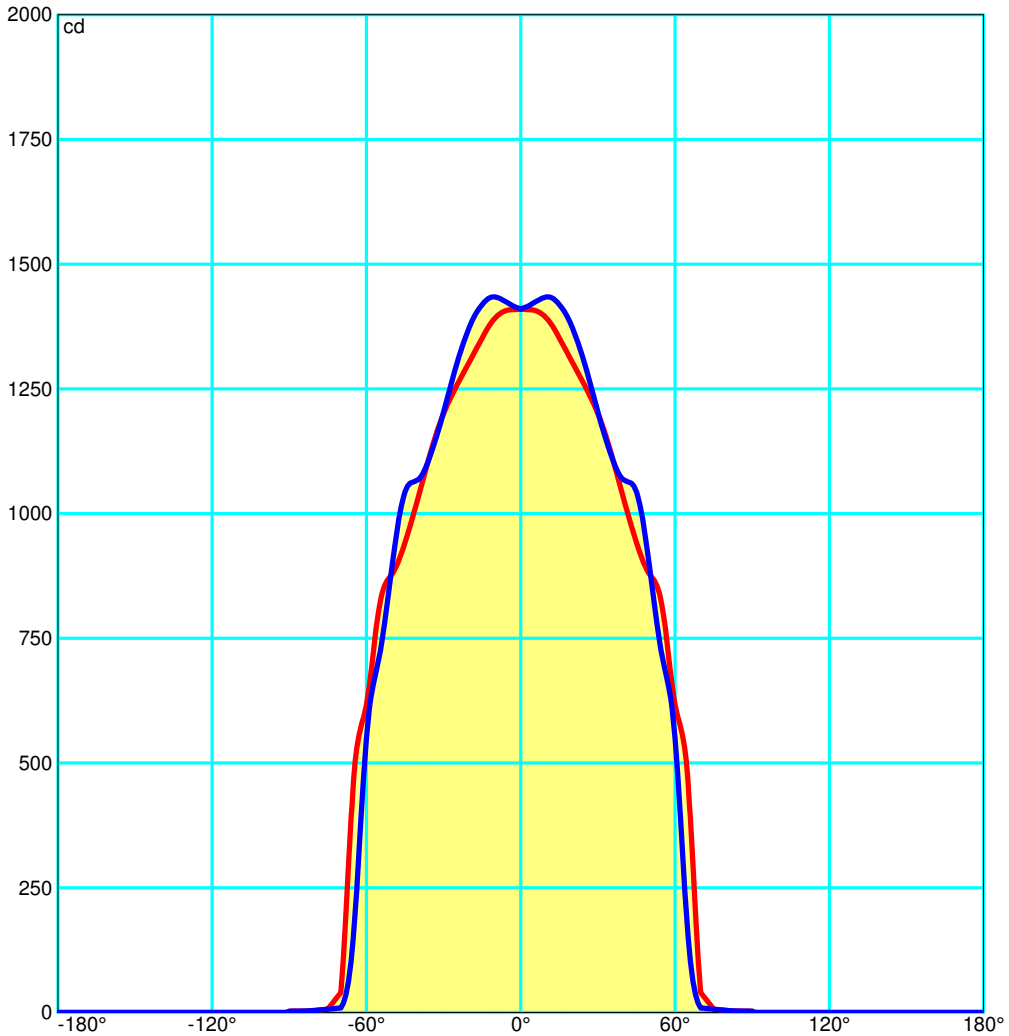
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Lamps Flux	3661.96 lm	Maximum value	1434.55 cd	Position	C=90.00 G=10.00	CG	Double Symmetrical

335mm x 235mm



Semiplanos C





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Lamps Flux	3661.96 lm	Maximum value	1434.55 cd	Position	C=90.00 G=10.00	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	33.0	34.2	33.3	34.4	34.1	32.4	33.7	32.7	33.9	34.1
x=2H y=3H	33.5	34.6	33.8	34.9	34.0	32.4	33.5	32.7	33.7	34.0
x=2H y=4H	33.4	34.5	33.8	34.8	33.9	32.3	33.3	32.6	33.6	33.9
x=2H y=6H	33.4	34.3	33.7	34.6	33.8	32.2	33.2	32.6	33.5	33.8
x=2H y=8H	33.3	34.2	33.7	34.5	33.7	32.2	33.1	32.5	33.4	33.7
x=2H y=12H	33.3	34.1	33.7	34.5	33.7	32.2	33.0	32.5	33.3	33.7
x=4H y=2H	33.7	34.7	34.0	35.0	34.8	33.2	34.3	33.6	34.5	34.8
x=4H y=3H	34.3	35.1	34.6	35.4	34.7	33.2	34.1	33.6	34.4	34.7
x=4H y=4H	34.2	34.9	34.6	35.3	34.6	33.2	33.9	33.5	34.3	34.6
x=4H y=6H	34.1	34.8	34.5	35.2	34.5	33.1	33.7	33.5	34.1	34.5
x=4H y=8H	34.1	34.7	34.5	35.1	34.4	33.1	33.6	33.5	34.0	34.4
x=4H y=12H	34.1	34.6	34.5	35.0	34.4	33.0	33.5	33.5	34.0	34.4
x=8H y=4H	34.1	34.7	34.5	35.1	34.5	33.1	33.7	33.6	34.1	34.5
x=8H y=6H	34.0	34.5	34.5	35.0	34.4	33.1	33.5	33.5	34.0	34.4
x=8H y=8H	34.0	34.4	34.5	34.9	34.4	33.0	33.4	33.5	33.9	34.4
x=8H y=12H	34.0	34.3	34.5	34.8	34.3	33.0	33.4	33.5	33.8	34.3
x=12H y=4H	34.1	34.6	34.5	35.0	34.5	33.1	33.6	33.5	34.0	34.5
x=12H y=6H	34.0	34.4	34.5	34.9	34.4	33.0	33.4	33.5	33.9	34.4
x=12H y=8H	34.0	34.3	34.5	34.8	34.3	33.0	33.4	33.5	33.8	34.3

Luminaire
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Flujo Total=3661.96 Flujo Luminaria=3661.92

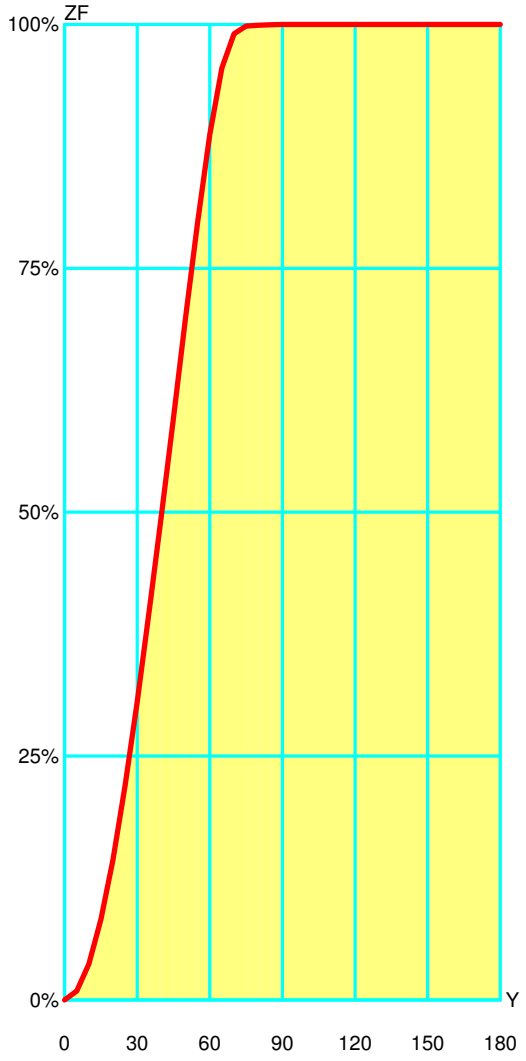
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.33	0.43	0.51	0.59	0.65	0.74	0.79	0.83	0.87	0.89	0.94	0.97
RC	5	4	4	4	4	3	3	3	3	3	3	3

Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	37	144	306	497	700	887	990	999	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.
52 89 100 100 100

C.I.E.	5/4/4/4/4/3/3/3/3/3/3	LOR	99.99881 %
D DIN 5040	A40	ULOR	0.00000 %
F UTE	1.00 D	DLOR	99.99881 %
B NBN	BZ 4 / 1 / BZ 3	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %

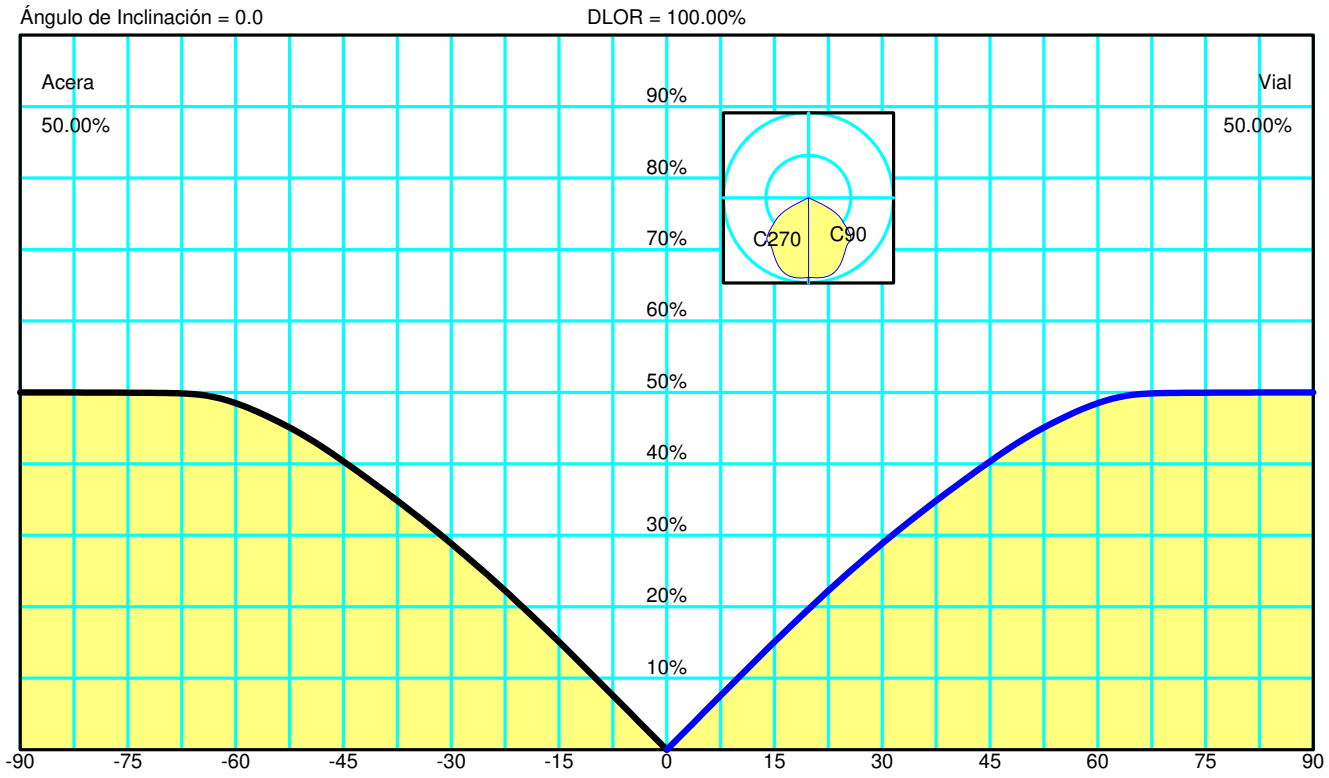


Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.22	9.22	0.92 %	0.92 %
10°	27.67	36.89	2.77 %	3.69 %
15°	45.56	82.45	4.56 %	8.25 %
20°	61.77	144.22	6.18 %	14.42 %
25°	75.47	219.70	7.55 %	21.97 %
30°	86.13	305.82	8.61 %	30.58 %
35°	93.33	399.15	9.33 %	39.92 %
40°	97.66	496.81	9.77 %	49.68 %
45°	100.70	597.51	10.07 %	59.75 %
50°	102.00	699.51	10.20 %	69.95 %
55°	98.64	798.15	9.86 %	79.82 %
60°	88.80	886.96	8.88 %	88.70 %
65°	68.47	955.42	6.85 %	95.54 %
70°	34.94	990.36	3.49 %	99.04 %
75°	8.00	998.37	0.80 %	99.84 %
80°	0.78	999.15	0.08 %	99.92 %
85°	0.49	999.63	0.05 %	99.96 %
90°	0.36	999.99	0.04 %	100.00 %
95°	0.00	999.99	0.00 %	100.00 %
100°	0.00	999.99	0.00 %	100.00 %
105°	0.00	999.99	0.00 %	100.00 %
110°	0.00	999.99	0.00 %	100.00 %
115°	0.00	999.99	0.00 %	100.00 %
120°	0.00	999.99	0.00 %	100.00 %
125°	0.00	999.99	0.00 %	100.00 %
130°	0.00	999.99	0.00 %	100.00 %
135°	0.00	999.99	0.00 %	100.00 %
140°	0.00	999.99	0.00 %	100.00 %
145°	0.00	999.99	0.00 %	100.00 %
150°	0.00	999.99	0.00 %	100.00 %
155°	0.00	999.99	0.00 %	100.00 %
160°	0.00	999.99	0.00 %	100.00 %
165°	0.00	999.99	0.00 %	100.00 %
170°	0.00	999.99	0.00 %	100.00 %
175°	0.00	999.99	0.00 %	100.00 %
180°	0.00	999.99	0.00 %	100.00 %

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Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	5.05%	Piano	5	5.05%
Piano	-10	10.10%	Piano	10	10.10%
Piano	-15	15.08%	Piano	15	15.08%
Piano	-20	19.91%	Piano	20	19.91%
Piano	-25	24.51%	Piano	25	24.51%
Piano	-30	28.85%	Piano	30	28.85%
Piano	-35	32.91%	Piano	35	32.91%
Piano	-40	36.72%	Piano	40	36.72%
Piano	-45	40.35%	Piano	45	40.35%
Piano	-50	43.66%	Piano	50	43.66%
Piano	-55	46.37%	Piano	55	46.37%
Piano	-60	48.49%	Piano	60	48.49%
Piano	-65	49.67%	Piano	65	49.67%
Piano	-70	49.92%	Piano	70	49.92%
Piano	-75	49.95%	Piano	75	49.95%
Piano	-80	49.97%	Piano	80	49.97%
Piano	-85	49.99%	Piano	85	49.99%
Piano	-90	50.00%	Piano	90	50.00%



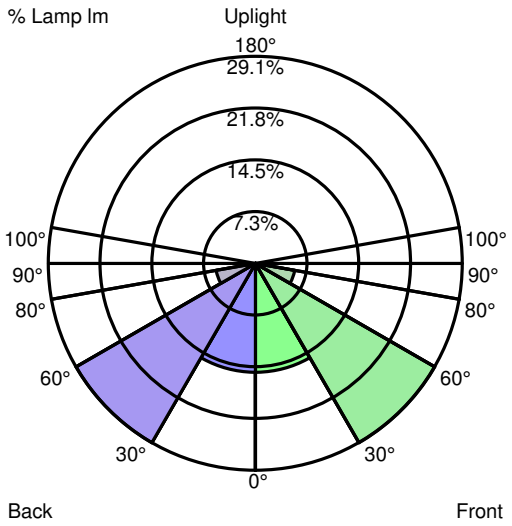
Spread	25.4°	Estrecho	DLOR	99.99881 %	
Throw	12.7°	Corto	ULOR	0.00000 %	
SLI (deslumbramiento)	3.6	Concentrado	Rendimiento	99.99881 %	
Cutoff CIE	Cutoff - Max: C=90.0° Gamma=10.0°		RN	0.00000 %	
Cutoff Iesna	Cutoff		Clase de Intensidad Luminosa	G5	
DIN5044	KB1		Índice de Deslumbramiento	D6	

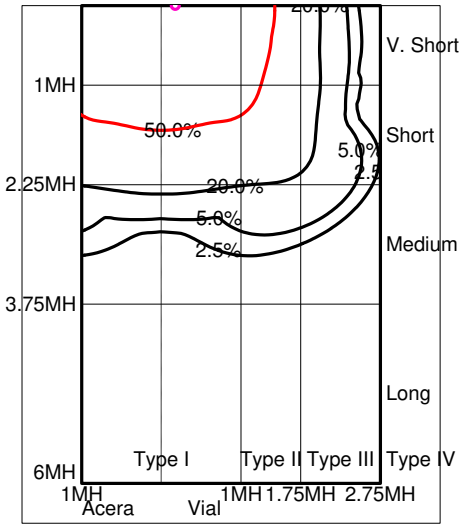
IESNA Type VS Very Short Quadrilateral Symmetry

Luminaire
Code PX-0117-NEG
Name Foco ADVANCE led 50W 3000K
Measurem.
Code PX-0113-NEG
Name Foco ADVANCE led 50W 3000K

Luminaire Flux	3661.92 lm	Luminaire Power	50.00 W	Efficacy	73.24 lm/W	Efficiency	100.00%
Lamps Flux	3661.96 lm	Maximum value	1434.55 cd	Position	C=90.00 G=10.00	CG	Double Symmetrical

US ROAD STANDARDS

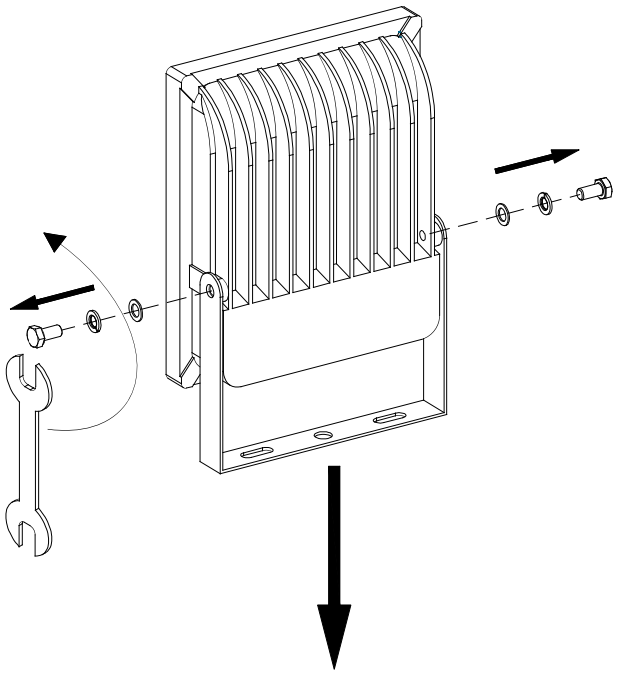




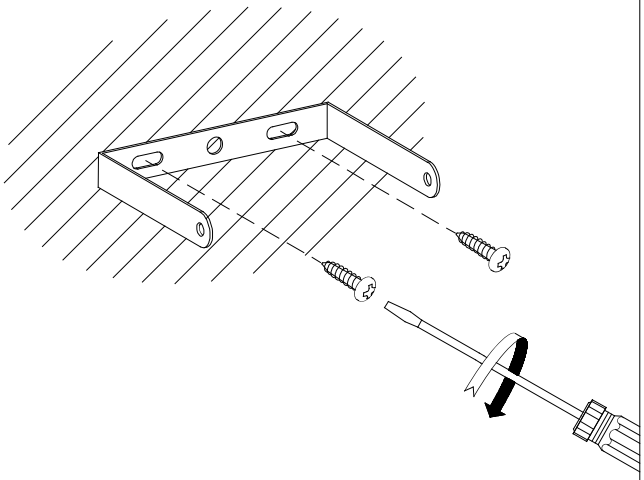
Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	559.8 lm	15.3 %	15.3 %
FM	30° -- 60°	1064.6 lm	29.1 %	29.1 %
FH	60° -- 80°	205.1 lm	5.6 %	5.6 %
FVH	80° -- 90°	1.5 lm	0.0 %	0.0 %
BL	0° -- 30°	559.8 lm	15.3 %	15.3 %
BM	30° -- 60°	1064.6 lm	29.1 %	29.1 %
BH	60° -- 80°	205.1 lm	5.6 %	5.6 %
BVH	80° -- 90°	1.5 lm	0.0 %	0.0 %
UL	90° -- 100°	0.0 lm	0.0 %	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %	0.0 %
TOTALS		3661.9 lm	100.0 %	100.0 %
BUG B2 U0 G0 Type VS Very Short Quadrilateral Symmetry				

PX-0112, PX-0113, PX-0114,
PX-0115, PX-0117

①



②



③

