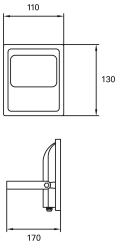
Advance 130mm x 110mm

PX-0112-NEG

Spotlight IP65 ADVANCE GREEN LED 8W Black 423lm





TECHNICAL FEATURES

IP65 IK08 RF 850ºC ±90º

Luminaire total power : 9.9W

Real lumens : 423

Nominal lumens : 470

Real lm/W : 43

Lens / reflector angle : HORIZONTAL 120º

Structure material : Aluminium

Structure finish : Black

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

Power Factor : 0.98

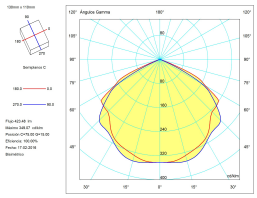
Useful life : 36.000h L70B30

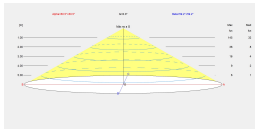
Warranty : 3 Years

Easily recyclable luminaire

LUMINOTECHNIC FEATURES

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
LED	1	8W	green





LOGISTICS

Net weight (kg): 0.47

Packaged weight (kg): 0.54

Packaging: 120mm x 50mm x 150mm

20 Un

LIGHT APPLICATION

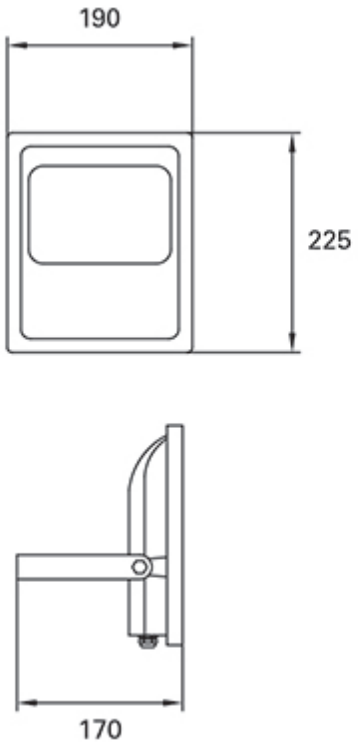


Image may not match reference. LEDS C4 reserves the right to amend any of the product's components. The data related to flux, power and colour temperature are subject to a tolerance of ±10%.

Luminaire
Code PX-0112-NEG
Name Foco ADVANCE green led 10W
Measurem.
Code PX-0112-NEG
Name Foco ADVANCE green led 10W

Luminaire Flux	423.48 lm	Luminaire Power	10.00 W	Efficacy	42.35 lm/W	Efficiency	100.00%
Lamps Flux	423.48 lm	Maximum value	147.82 cd	Position	C=75.00 G=15.00	CG	Double Symmetrical

Rectangular Luminaire	Length	130 mm	Width	110 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	17-02-2016	Maximum Gamma Angle	90
Measurement Distance	0.00	Measurement Flux	423.48 lm

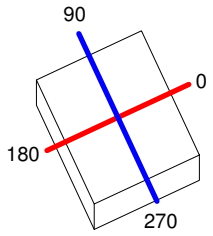
Operator	Asselum T3	Source Voltage [V]	
Temperature	25.00 °C	Source current [A]	
Humidity	60.00 %	Photocell	
Notes			

Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	PX-0112-NEG	PX-0112-NEG - 10.00 W	423.48	10.00	1

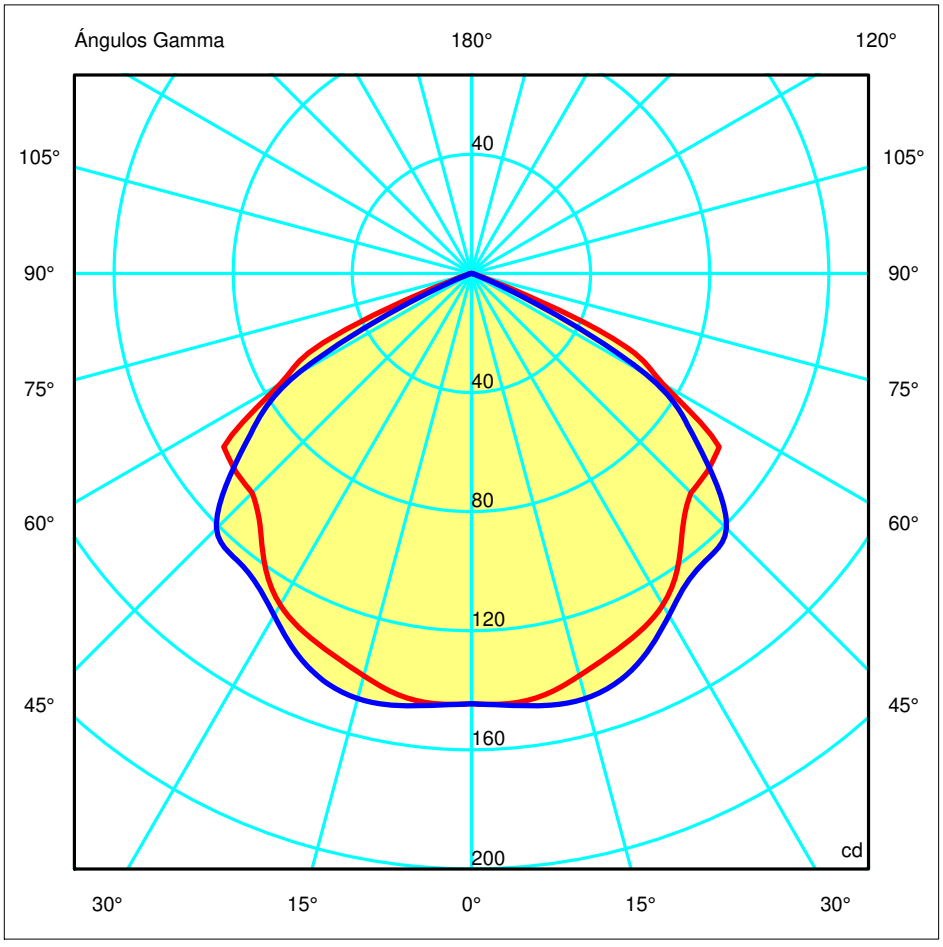
C.I.E.	49 87 100 100 100	D DIN 5040	A30
F UTE	1.00 D	B NBN	BZ 4 / 2 / BZ 3

130mm x 110mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0

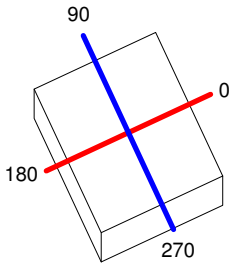


ULOR	0.00 %
DLOR	100.00 %
RN	0.00 %

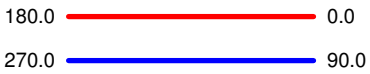
Luminaire
Code PX-0112-NEG
Name Foco ADVANCE green led 10W
Measurem.
Code PX-0112-NEG
Name Foco ADVANCE green led 10W

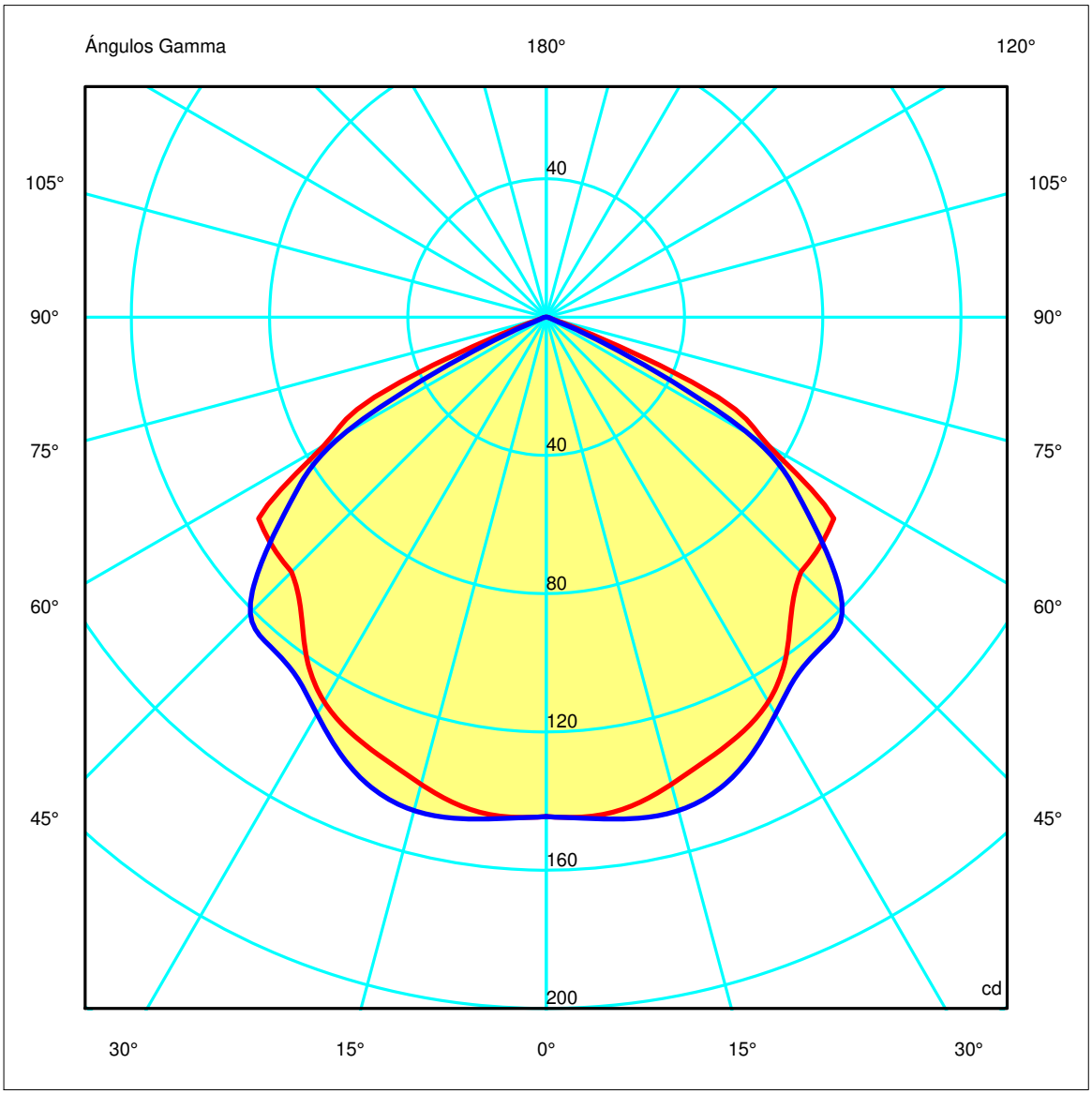
Luminaire Flux	423.48 lm	Luminaire Power	10.00 W	Efficacy	42.35 lm/W	Efficiency	100.00%
Lamps Flux	423.48 lm	Maximum value	147.82 cd	Position	C=75.00 G=15.00	CG	Double Symmetrical

130mm x 110mm



Semiplanos C





Luminaire
Code PX-0112-NEG
Name Foco ADVANCE green led 10W
Measurem.
Code PX-0112-NEG
Name Foco ADVANCE green led 10W

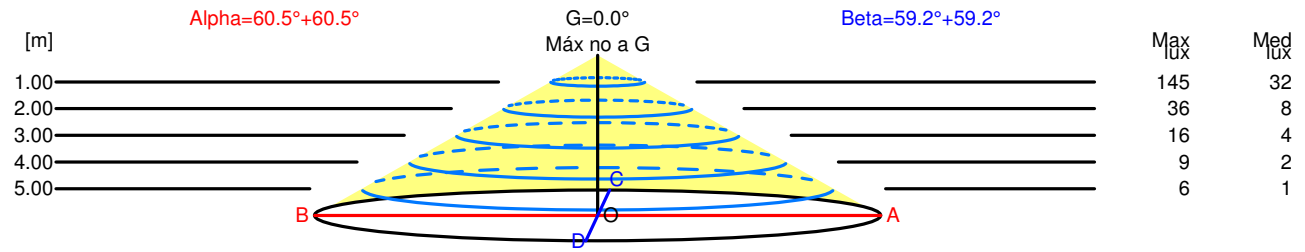
Luminaire Flux	423.48 lm	Luminaire Power	10.00 W	Efficacy	42.35 lm/W	Efficiency	100.00%
Lamps Flux	423.48 lm	Maximum value	147.82 cd	Position	C=75.00 G=15.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

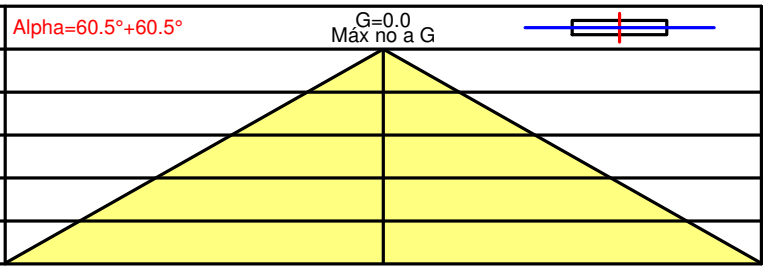
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.77	3.53	5.30	7.06	8.83	OC	1.68	3.35	5.03	6.71	8.39
OB	1.77	3.53	5.30	7.06	8.83	OD	1.68	3.35	5.03	6.71	8.39

Luminous Intensities [cd]

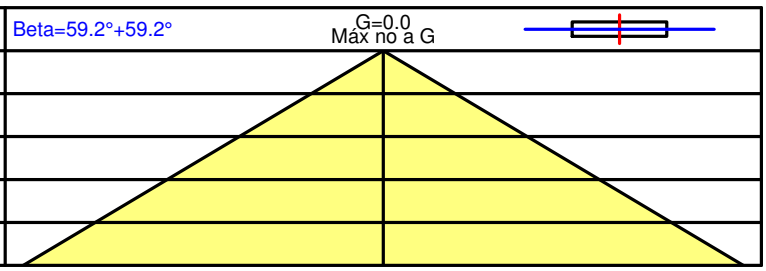
	0	5	15	25	35	45	55	65	75	85
OA	144.47	144.95	139.85	132.96	120.68	104.19	101.55	54.81	1.34	0.28
OB	144.47	144.95	139.85	132.96	120.68	104.19	101.55	54.81	1.34	0.28
OC	144.47	145.52	147.73	139.98	126.46	121.04	88.48	23.05	1.30	0.37
OD	144.47	145.52	147.73	139.98	126.46	121.04	88.48	23.05	1.30	0.37



H[m]	D[m]	Max lux	Med lux
1.00	3.53	145	32
2.00	7.06	36	8
3.00	10.59	16	4
4.00	14.13	9	2
5.00	17.66	6	1



H[m]	D[m]	Max lux	Med lux
1.00	3.35	145	32
2.00	6.71	36	8
3.00	10.06	16	4
4.00	13.42	9	2
5.00	16.77	6	1

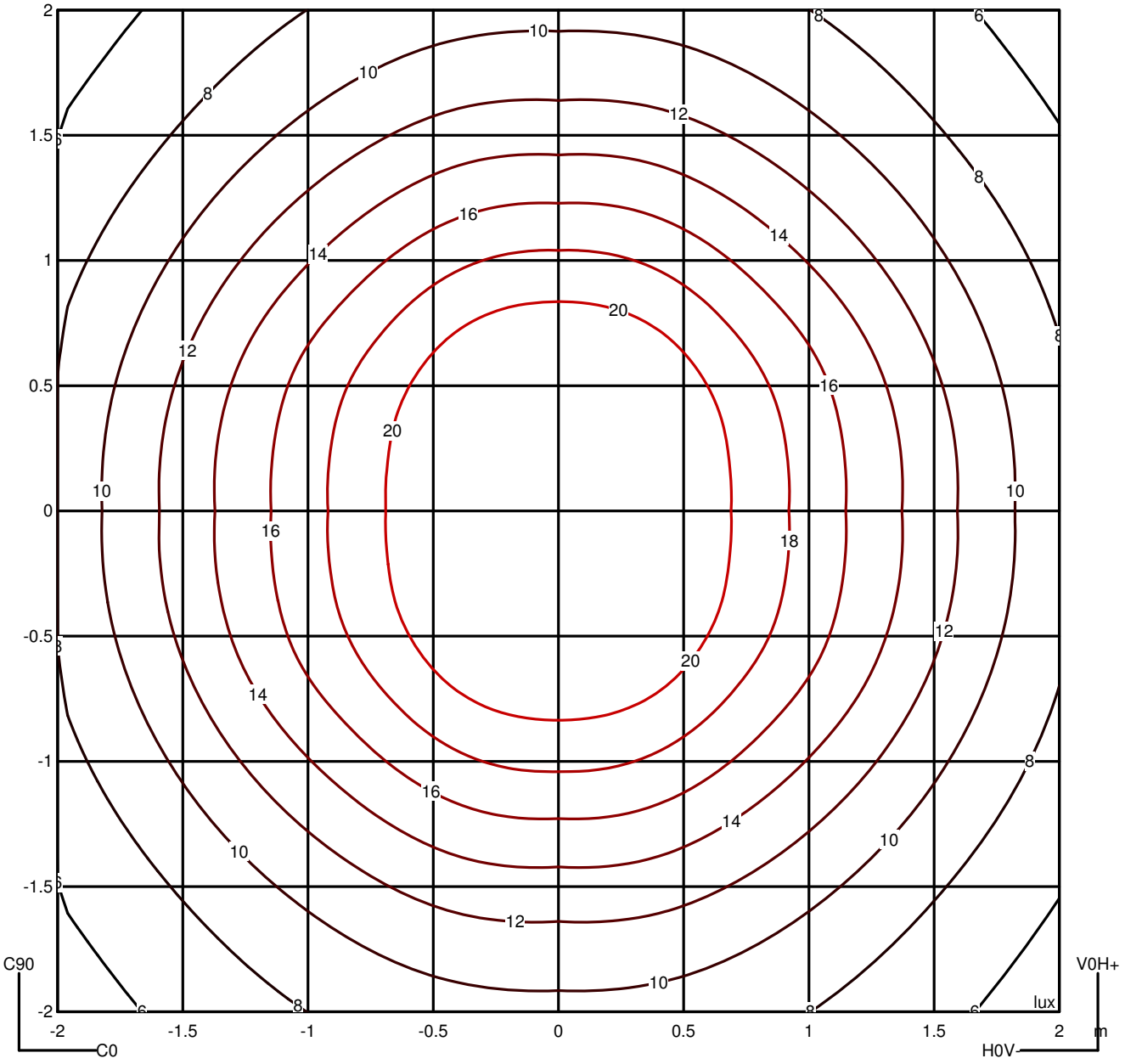


Luminaire
Code PX-0112-NEG
Name Foco ADVANCE green led 10W
Measurem.
Code PX-0112-NEG
Name Foco ADVANCE green led 10W

Luminaire Flux	423.48 lm	Luminaire Power	10.00 W	Efficacy	42.35 lm/W	Efficiency	100.00%
Lamps Flux	423.48 lm	Maximum value	147.82 cd	Position	C=75.00 G=15.00	CG	Double Symmetrical

Isolux (Floor)

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



Luminaire
Code PX-0112-NEG
Name Foco ADVANCE green led 10W
Measurem.
Code PX-0112-NEG
Name Foco ADVANCE green led 10W

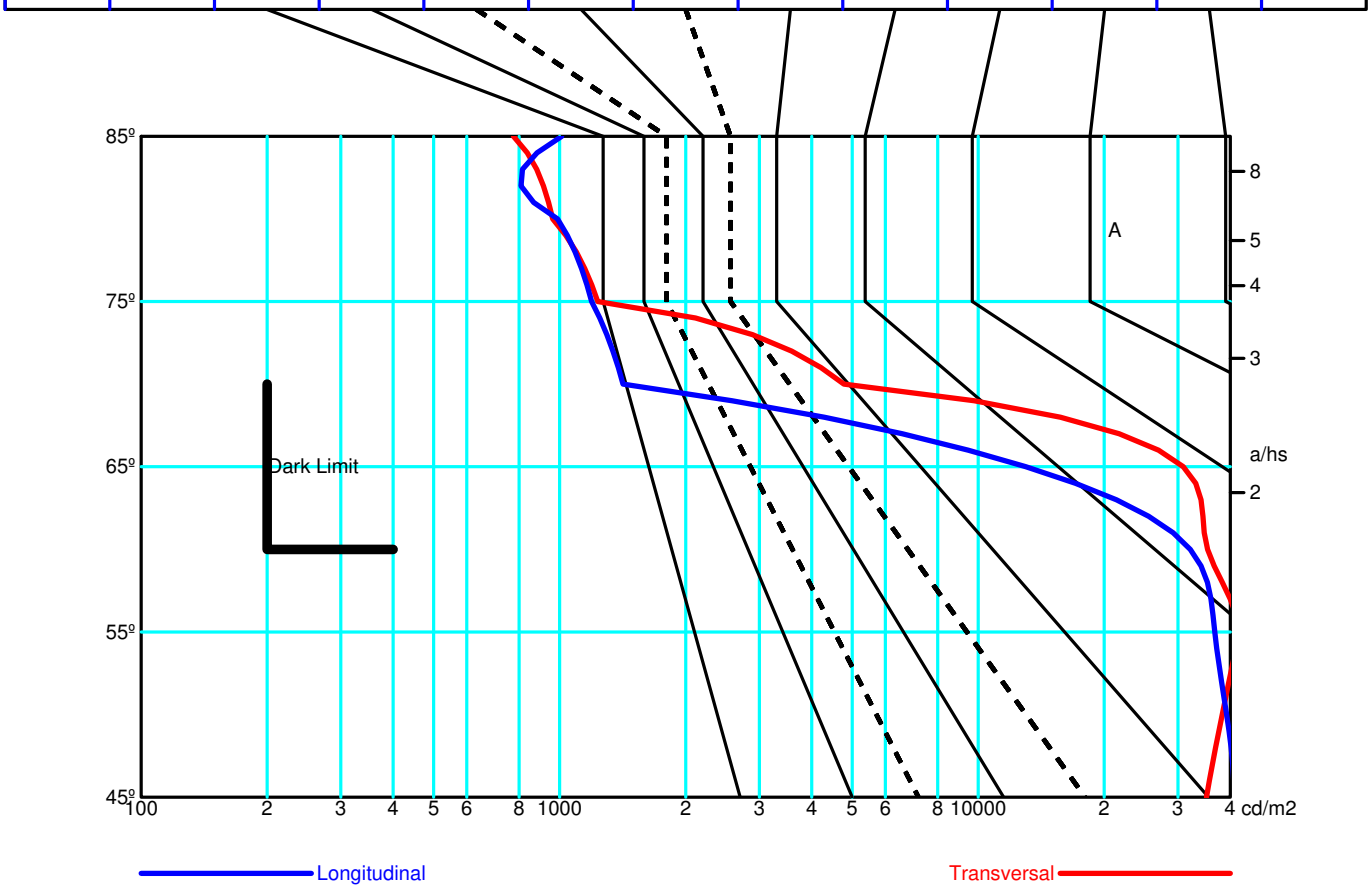
Luminaire Flux	423.48 lm	Luminaire Power	10.00 W	Efficacy	42.35 lm/W	Efficiency	100.00%
Lamps Flux	423.48 lm	Maximum value	147.82 cd	Position	C=75.00 G=15.00	CG	Double Symmetrical

Average Luminance [cd/m²]

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	35084	38289	42154	35322	30879	4775	1233	962	775	---
90.0°	40756	39230	36730	32110	12989	1417	1192	989	1012	---

Flujo montado o vista longitudinal

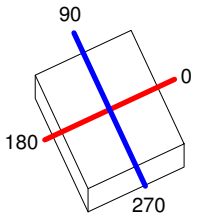
		Iluminancia (lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



Luminaire
Code PX-0112-NEG
Name Foco ADVANCE green led 10W
Measurem.
Code PX-0112-NEG
Name Foco ADVANCE green led 10W

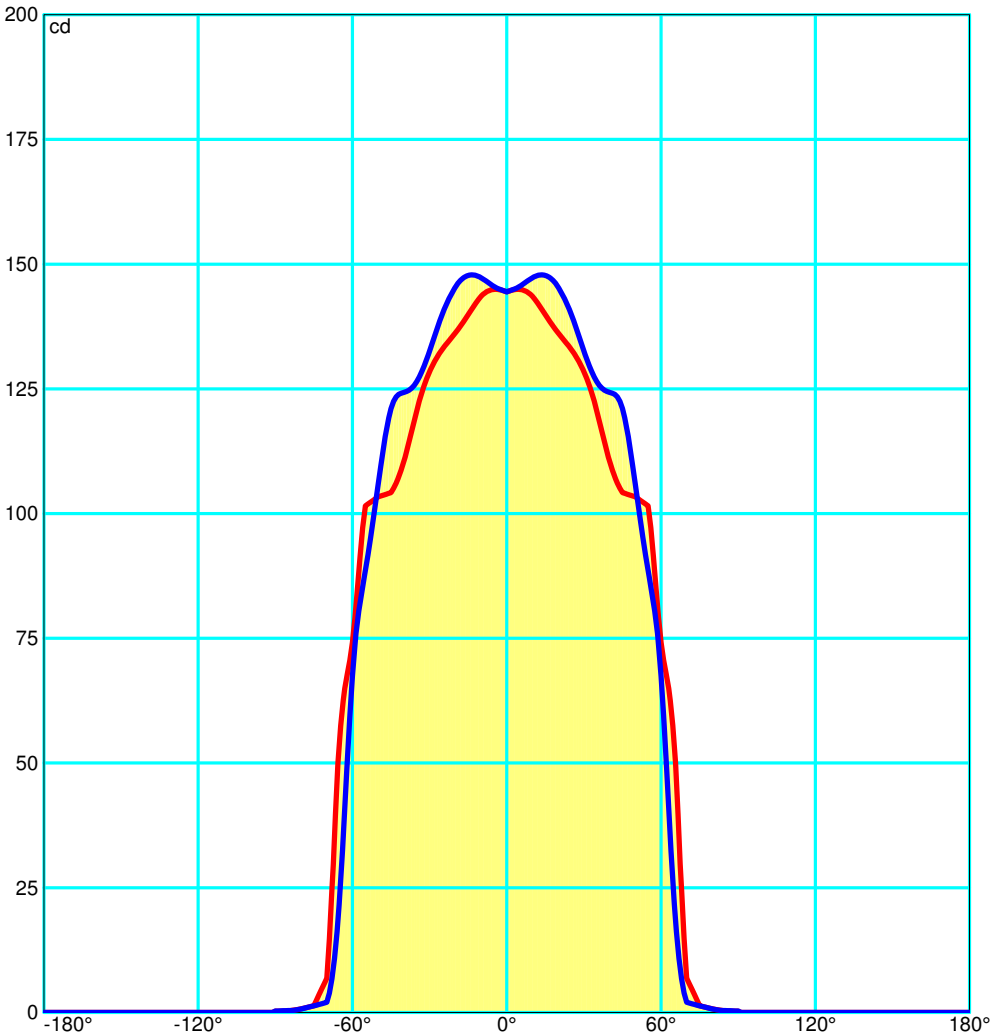
Luminaire Flux	423.48 lm	Luminaire Power	10.00 W	Efficacy	42.35 lm/W	Efficiency	100.00%
Lamps Flux	423.48 lm	Maximum value	147.82 cd	Position	C=75.00 G=15.00	CG	Double Symmetrical

130mm x 110mm



Semiplanos C

180.0 0.0
270.0 90.0



Luminaire
Code PX-0112-NEG
Name Foco ADVANCE green led 10W
Measurem.
Code PX-0112-NEG
Name Foco ADVANCE green led 10W

Luminaire Flux	423.48 lm	Luminaire Power	10.00 W	Efficacy	42.35 lm/W	Efficiency	100.00%
Lamps Flux	423.48 lm	Maximum value	147.82 cd	Position	C=75.00 G=15.00	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	25.9	27.2	26.2	27.4	27.1	25.4	26.6	25.7	26.9	27.1
x=2H y=3H	26.5	27.6	26.8	27.9	27.1	25.4	26.5	25.7	26.8	27.1
x=2H y=4H	26.4	27.5	26.7	27.7	26.9	25.3	26.4	25.6	26.6	26.9
x=2H y=6H	26.3	27.3	26.7	27.6	26.8	25.2	26.2	25.6	26.5	26.8
x=2H y=8H	26.3	27.2	26.7	27.5	26.7	25.2	26.1	25.6	26.4	26.7
x=2H y=12H	26.2	27.1	26.6	27.5	26.7	25.1	26.0	25.5	26.4	26.7
x=4H y=2H	26.7	27.8	27.1	28.1	27.9	26.3	27.3	26.6	27.6	27.9
x=4H y=3H	27.3	28.2	27.7	28.6	27.9	26.3	27.2	26.7	27.6	27.9
x=4H y=4H	27.3	28.1	27.7	28.4	27.8	26.3	27.0	26.7	27.4	27.8
x=4H y=6H	27.2	27.9	27.6	28.3	27.6	26.2	26.9	26.6	27.3	27.6
x=4H y=8H	27.2	27.8	27.6	28.2	27.6	26.2	26.8	26.6	27.2	27.6
x=4H y=12H	27.1	27.7	27.6	28.1	27.5	26.1	26.7	26.6	27.1	27.5
x=8H y=4H	27.2	27.8	27.6	28.2	27.7	26.3	26.9	26.7	27.3	27.7
x=8H y=6H	27.1	27.6	27.6	28.1	27.6	26.2	26.7	26.6	27.1	27.6
x=8H y=8H	27.1	27.5	27.6	28.0	27.5	26.2	26.6	26.6	27.0	27.5
x=8H y=12H	27.1	27.5	27.6	27.9	27.5	26.1	26.5	26.6	27.0	27.5
x=12H y=4H	27.2	27.7	27.6	28.1	27.6	26.2	26.8	26.7	27.2	27.6
x=12H y=6H	27.1	27.5	27.6	28.0	27.5	26.2	26.6	26.6	27.0	27.5
x=12H y=8H	27.1	27.5	27.6	27.9	27.5	26.1	26.5	26.6	27.0	27.5

Luminaire
Code PX-0112-NEG
Name Foco ADVANCE green led 10W
Measurem.
Code PX-0112-NEG
Name Foco ADVANCE green led 10W

Luminaire Flux	423.48 lm	Luminaire Power	10.00 W	Efficacy	42.35 lm/W	Efficiency	100.00%
Lamps Flux	423.48 lm	Maximum value	147.82 cd	Position	C=75.00 G=15.00	CG	Double Symmetrical

Flujo Total=423.48 Flujo Luminaria=423.48

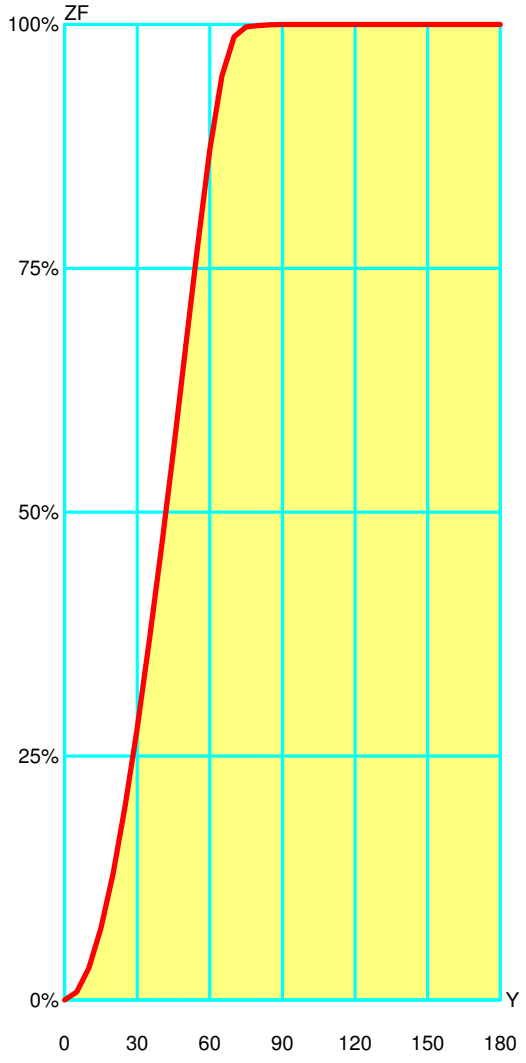
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.30	0.41	0.49	0.57	0.63	0.72	0.78	0.82	0.86	0.89	0.94	0.97
RC	5	5	4	4	4	4	4	4	3	3	3	4

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)	33	129	279	463	669	871	987	999	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.
49 87 100 100 100

C.I.E.	5/5/4/4/4/4/4/3/3/3/4	LOR	99.99976 %
D DIN 5040	A30	ULOR	0.00000 %
F UTE	1.00 D	DLOR	99.99976 %
B NBN	BZ 4 / 2 / BZ 3	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %

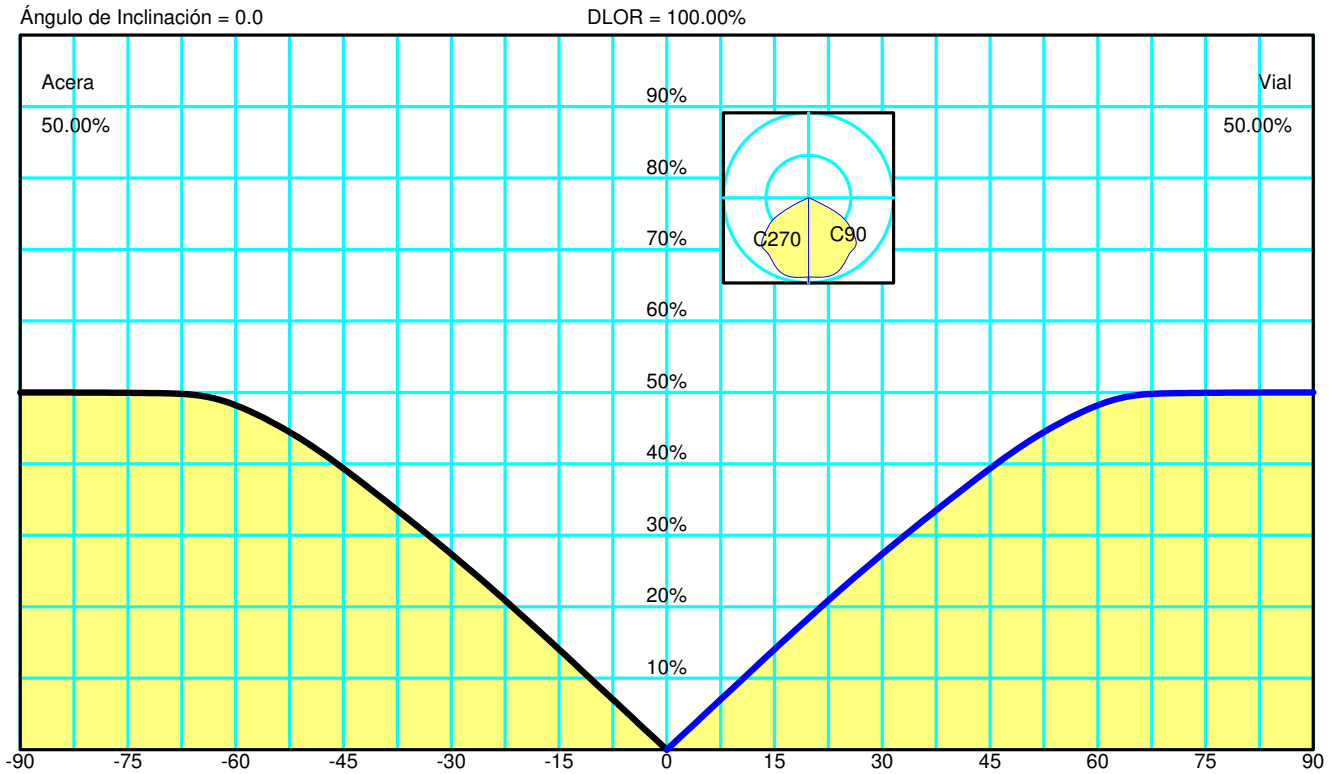


Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	8.18	8.18	0.82 %	0.82 %
10°	24.62	32.81	2.46 %	3.28 %
15°	40.75	73.55	4.07 %	7.36 %
20°	55.79	129.34	5.58 %	12.93 %
25°	69.20	198.54	6.92 %	19.85 %
30°	80.43	278.97	8.04 %	27.90 %
35°	88.98	367.95	8.90 %	36.80 %
40°	95.31	463.26	9.53 %	46.33 %
45°	100.73	563.99	10.07 %	56.40 %
50°	104.68	668.67	10.47 %	66.87 %
55°	105.10	773.77	10.51 %	77.38 %
60°	97.34	871.11	9.73 %	87.11 %
65°	76.02	947.12	7.60 %	94.71 %
70°	40.21	987.33	4.02 %	98.73 %
75°	10.17	997.50	1.02 %	99.75 %
80°	1.39	998.89	0.14 %	99.89 %
85°	0.73	999.62	0.07 %	99.96 %
90°	0.38	1000.00	0.04 %	100.00 %
95°	0.00	1000.00	0.00 %	100.00 %
100°	0.00	1000.00	0.00 %	100.00 %
105°	0.00	1000.00	0.00 %	100.00 %
110°	0.00	1000.00	0.00 %	100.00 %
115°	0.00	1000.00	0.00 %	100.00 %
120°	0.00	1000.00	0.00 %	100.00 %
125°	0.00	1000.00	0.00 %	100.00 %
130°	0.00	1000.00	0.00 %	100.00 %
135°	0.00	1000.00	0.00 %	100.00 %
140°	0.00	1000.00	0.00 %	100.00 %
145°	0.00	1000.00	0.00 %	100.00 %
150°	0.00	1000.00	0.00 %	100.00 %
155°	0.00	1000.00	0.00 %	100.00 %
160°	0.00	1000.00	0.00 %	100.00 %
165°	0.00	1000.00	0.00 %	100.00 %
170°	0.00	1000.00	0.00 %	100.00 %
175°	0.00	1000.00	0.00 %	100.00 %
180°	0.00	1000.00	0.00 %	100.00 %

Luminaire
Code PX-0112-NEG
Name Foco ADVANCE green led 10W
Measurem.
Code PX-0112-NEG
Name Foco ADVANCE green led 10W

Luminaire Flux	423.48 lm	Luminaire Power	10.00 W	Efficacy	42.35 lm/W	Efficiency	100.00%
Lamps Flux	423.48 lm	Maximum value	147.82 cd	Position	C=75.00 G=15.00	CG	Double Symmetrical

Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	4.68%	Piano	5	4.68%
Piano	-10	9.37%	Piano	10	9.37%
Piano	-15	14.04%	Piano	15	14.04%
Piano	-20	18.64%	Piano	20	18.64%
Piano	-25	23.10%	Piano	25	23.10%
Piano	-30	27.39%	Piano	30	27.39%
Piano	-35	31.50%	Piano	35	31.50%
Piano	-40	35.48%	Piano	40	35.48%
Piano	-45	39.35%	Piano	45	39.35%
Piano	-50	42.89%	Piano	50	42.89%
Piano	-55	45.86%	Piano	55	45.86%
Piano	-60	48.20%	Piano	60	48.20%
Piano	-65	49.55%	Piano	65	49.55%
Piano	-70	49.87%	Piano	70	49.87%
Piano	-75	49.94%	Piano	75	49.94%
Piano	-80	49.97%	Piano	80	49.97%
Piano	-85	49.99%	Piano	85	49.99%
Piano	-90	50.00%	Piano	90	50.00%



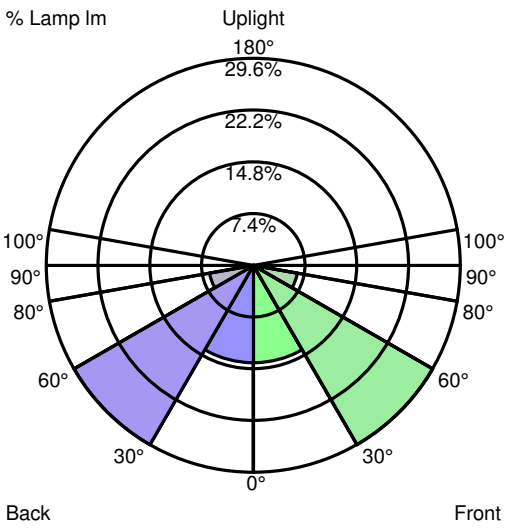
Spread	30.2°	Estrecho	DLOR	99.99976 %	
Throw	15.4°	Corto	ULOR	0.00000 %	
SLI (deslumbramiento)	1.3	Concentrado	Rendimiento	99.99976 %	
Cutoff CIE	Cutoff - Max: C=75.0° Gamma=15.0°		RN	0.00000 %	
Cutoff Iesna	Cutoff		Clase de Intensidad Luminosa	G5	
DIN5044	KB1		Índice de Deslumbramiento	D6	

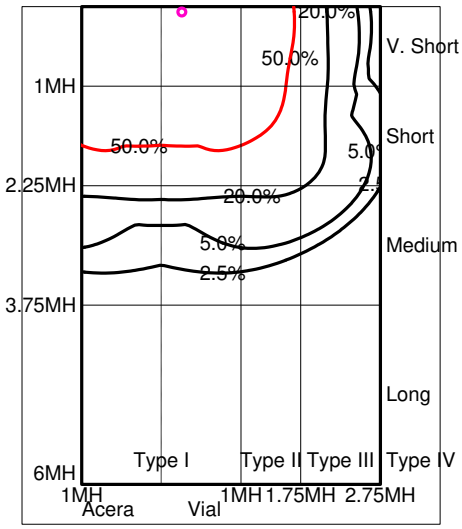
IESNA Type VS Very Short Quadrilateral Symmetry

Luminaire
Code PX-0112-NEG
Name Foco ADVANCE green led 10W
Measurem.
Code PX-0112-NEG
Name Foco ADVANCE green led 10W

Luminaire Flux	423.48 lm	Luminaire Power	10.00 W	Efficacy	42.35 lm/W	Efficiency	100.00%
Lamps Flux	423.48 lm	Maximum value	147.82 cd	Position	C=75.00 G=15.00	CG	Double Symmetrical

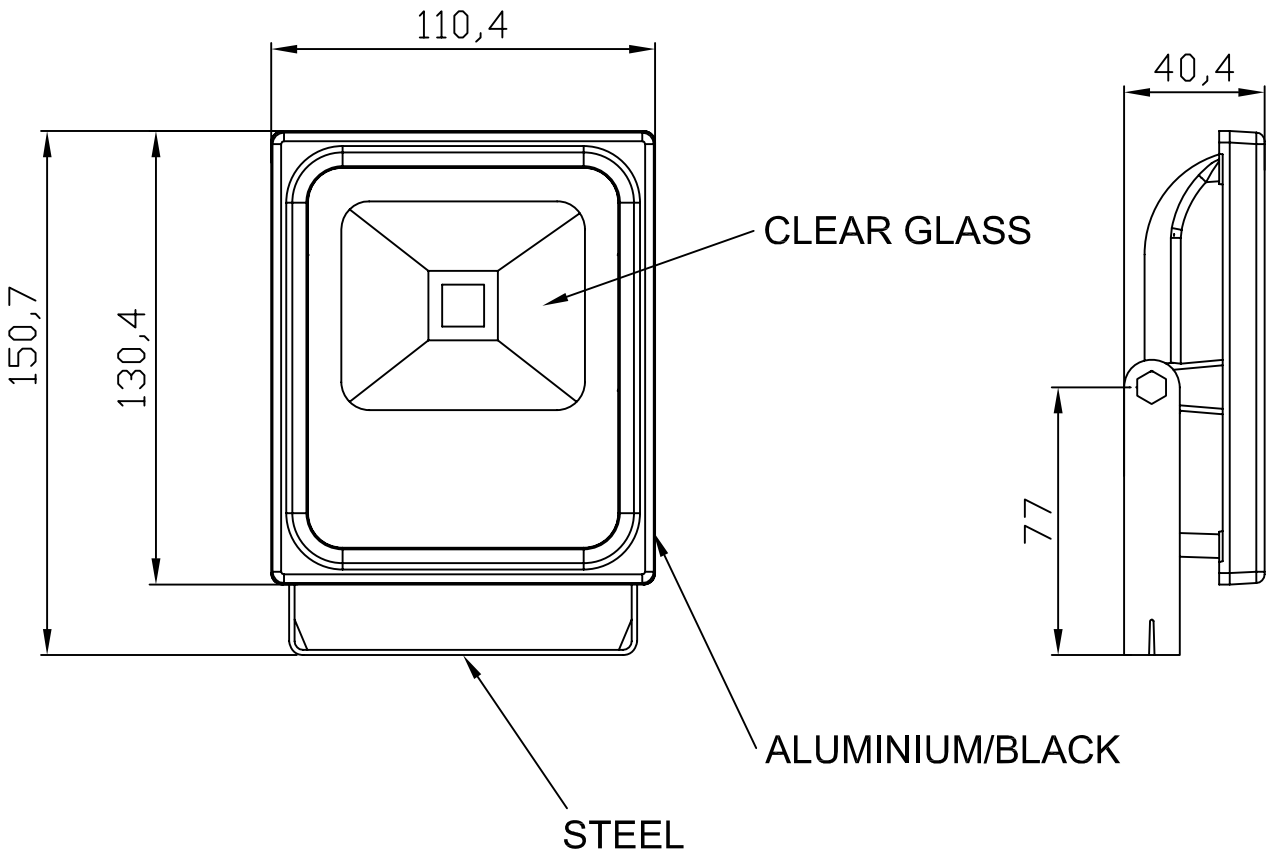
US ROAD STANDARDS

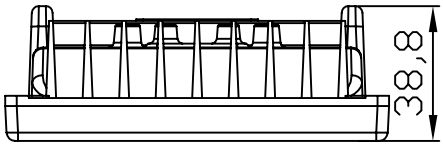


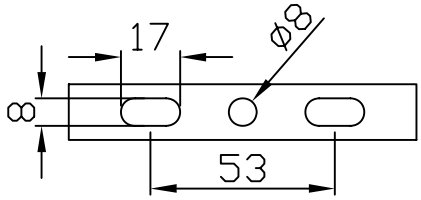


Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	59.0 lm	13.9 %	13.9 %
FM	30° -- 60°	125.5 lm	29.6 %	29.6 %
FH	60° -- 80°	27.0 lm	6.4 %	6.4 %
FVH	80° -- 90°	0.2 lm	0.1 %	0.1 %
BL	0° -- 30°	59.0 lm	13.9 %	13.9 %
BM	30° -- 60°	125.5 lm	29.6 %	29.6 %
BH	60° -- 80°	27.0 lm	6.4 %	6.4 %
BVH	80° -- 90°	0.2 lm	0.1 %	0.1 %
UL	90° -- 100°	0.0 lm	0.0 %	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %	0.0 %
TOTALS		423.5 lm	100.0 %	100.0 %
BUG B0 U0 G0 Type VS Very Short Quadrilateral Symmetry				

PX-0112
PX-0113



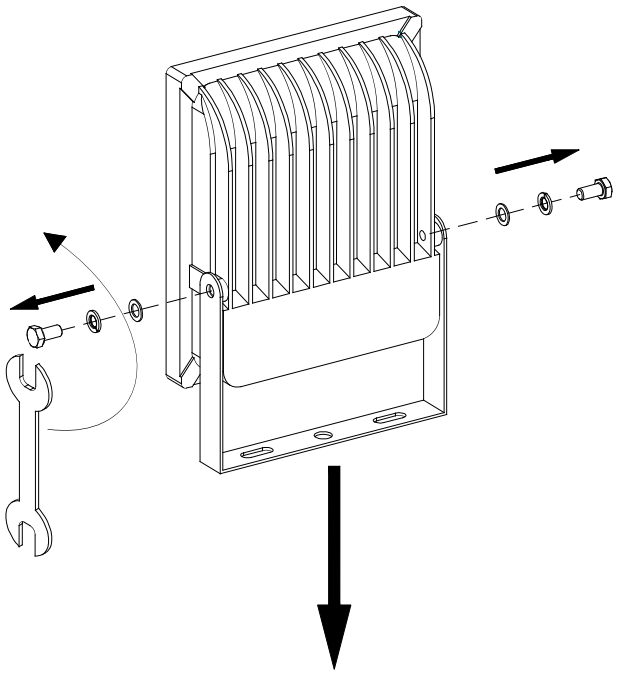




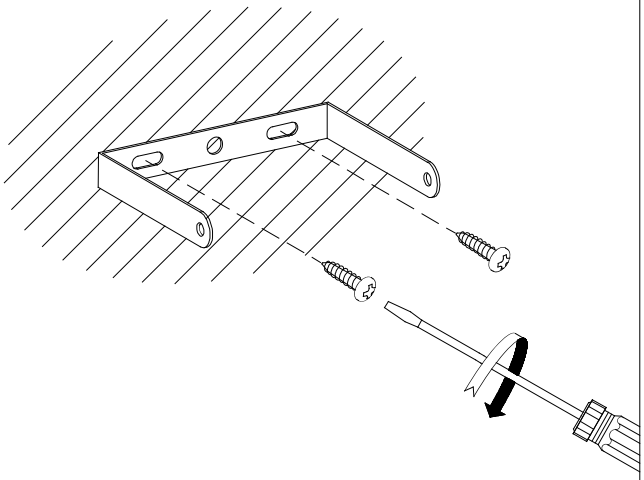
09-06-16

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

①



②



③

