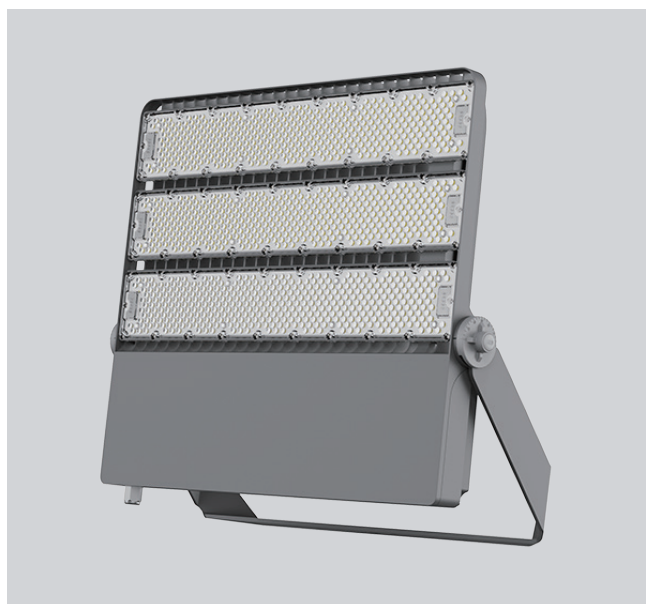


BIGPLUX PRO

PROFESSIONAL INDUSTRIAL LIGHTING
ALUMBRADO INDUSTRIAL PROFESIONAL



FEATURES / CARACTERÍSTICAS

Robust / Robusto

- Die-cast aluminum heatsink with 500 hours salty spray test, optional 1000 hours.
- Disipador de aluminio fundido a presión con 500 horas de prueba de niebla salina, 1000 horas opcionales.

3G Vibration / Vibración 3G

- One-piece die-cast heatsink with solid structure to pass 3G vibration test.
- Disipador de una pieza fundida a presión con estructura sólida para superar la prueba de vibración 3G.

Wind resistance / Resistencia al viento

- Super slim low profile design with stronger resistance to wind.
- Diseño extraplano de perfil bajo con mayor resistencia al viento.

Multiple-beam / Haz múltiple

- Available with 5 different types of lens for all application requirements.
- Disponible con 5 tipos diferentes de lentes para todos los requisitos de aplicación.

LED / LED

- SMD3030 LED chip adopted for better efficiency 160LMW and better lumen maintenance.
- SMD3030 LED chip adoptado para una mejor eficiencia 160LMW y un mejor mantenimiento de lumen.

NOM RETILAP | EMC ERP PROTECTION C4

PREVIEW / VISTA PREVIA

SERIES	POWER	CCT	VOLTAGE	LUMENS	CRI	BEAM	DIM	FINISH	ACCESSORY	
BIGPLUX PRO M	400W	2700K	120-277V	64000Lm	Ra80	15° ^[2]	ON-OFF ^[1]	BLACK	LP ^[3]	
BIGPLUX PRO L	600W	3000K		96000Lm		30°	0-10V	GREY	SPD	
BIGPLUX PRO XL	800W	3500K		128000Lm		60°	DALI 2.0			
		4000K				90°				
		5000K								
		6500K								

REMARK / COMENTARIO

[1] Optional with 1-10V.

[2] Changeable module lens.

[3] LP: Laser positioning device

SPD: 10KV or 20KV surge protection device

APPLICATION / APLICACIÓN



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TECHNICAL DATA / DATOS TÉCNICOS

ELECTRICAL / ELÉCTRICOS

Nominal wattage	BIGPLUX PRO M 400W	BIGPLUX PRO L 600W	BIGPLUX PRO XL 800W
Nominal voltage & frequency	AC120-277V 50/60Hz		
Inrush current & time TH50	22A & 2mS	22A & 2mS	22A & 3.1mS
Power factor λ	>0.95		
Total harmonic distortion	<15 %		
Protection class	CLASS II		
Dimmable	YES		

PHOTOMETRICAL / FOTOMÉTRICO

Nominal wattage	BIGPLUX PRO M 400W	BIGPLUX PRO L 600W	BIGPLUX PRO XL 800W
Luminous flux	64000Lm for 30° 60° 90° 56000Lm for 15° & Asy	96000Lm for 30° 60° 90° 84000Lm for 15° & Asy	128000Lm for 30° 60° 90° 112000Lm for 15° & Asy
Luminous efficacy	160Lmw for 30° 60° 90° 140Lm for 15° & Asy		
Color temperature & CRI	3000K/4000K/5000K/5700K/6500K Ra70		
Saturated red R9	<0		
Standard deviation of color matching	≤5 steps		
Flickering metric (Pst LM)	<1 No-flicker		
Stroboscope effect metric (SVM)	<0.4		
Photobiological safety EN62778	RG1		
Beam angle	15°, 30°, 60°, 90°, Asymmetric		

MECHANICAL AND OTHER DATA / DATOS MECÁNICOS Y OTROS

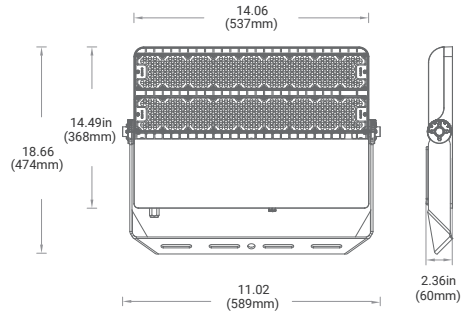
Nominal wattage	BIGPLUX PRO M 400W	BIGPLUX PRO L 600W	BIGPLUX PRO XL 800W
Body material	ADC12 die-cast aluminum		
Cover material	Polycarbonate (PC)		
Glow wire test IEC60695-2-12	850 °C		
Mercury content	0.00mg		
Ambient temperature range	-40...+50 °C		
Storage temperature range	-40...+80 °C		
Type of connection	100cm fly AC cable 3-core		
Waterproof protection	IP66		
Protection class IK (shock resistance)	IK08		
Mounting type	Bracket		
Application environment	Outdoor		
LED module replaceable	Yes		
Salty Spray test standard	500H		
Lifespan L70/B50 at 25 °C L70	120000H		
Lifespan L80/B10 at 25 °C L80	100000H		
Lifespan L90/B10 at 25 °C L90	50000H		
Number of switching cycles	20000		

BIGPLUX PRO

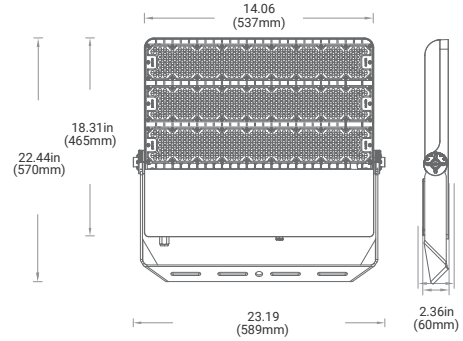
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DIMENSIONS / DIMENSIONES

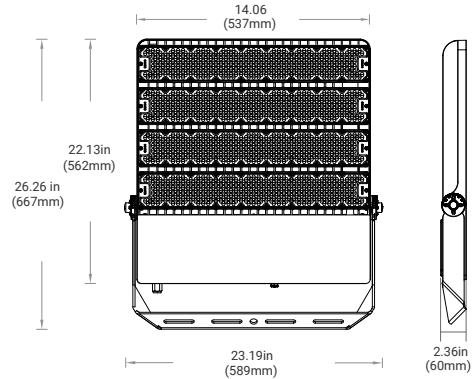
BIGPLUX PRO M



BIGPLUX PRO L



BIGPLUX PRO XL



LUMEN / LUMEN

Models	CCT	Lumens	CRI	Size
BIGPLUX PRO M	4000K	64000lm	Ra80	L589*W474*H60mm
BIGPLUX PRO L	4000K	96000lm	Ra80	L589*W570*H60mm
BIGPLUX PRO XL	4000K	128000lm	Ra80	L589*W667*H60mm

Other customized lumens package can be calculated based on below multiplier table.

MULTIPLE TABLE / TABLA MÚLTIPLE

	CCT	CONVERSION FACTOR
70 CRI	2700K	0.94
	3000K	0.99
	3500K	1.03
	4000K	1.06
	5000K	1.06
	6500K	1.04

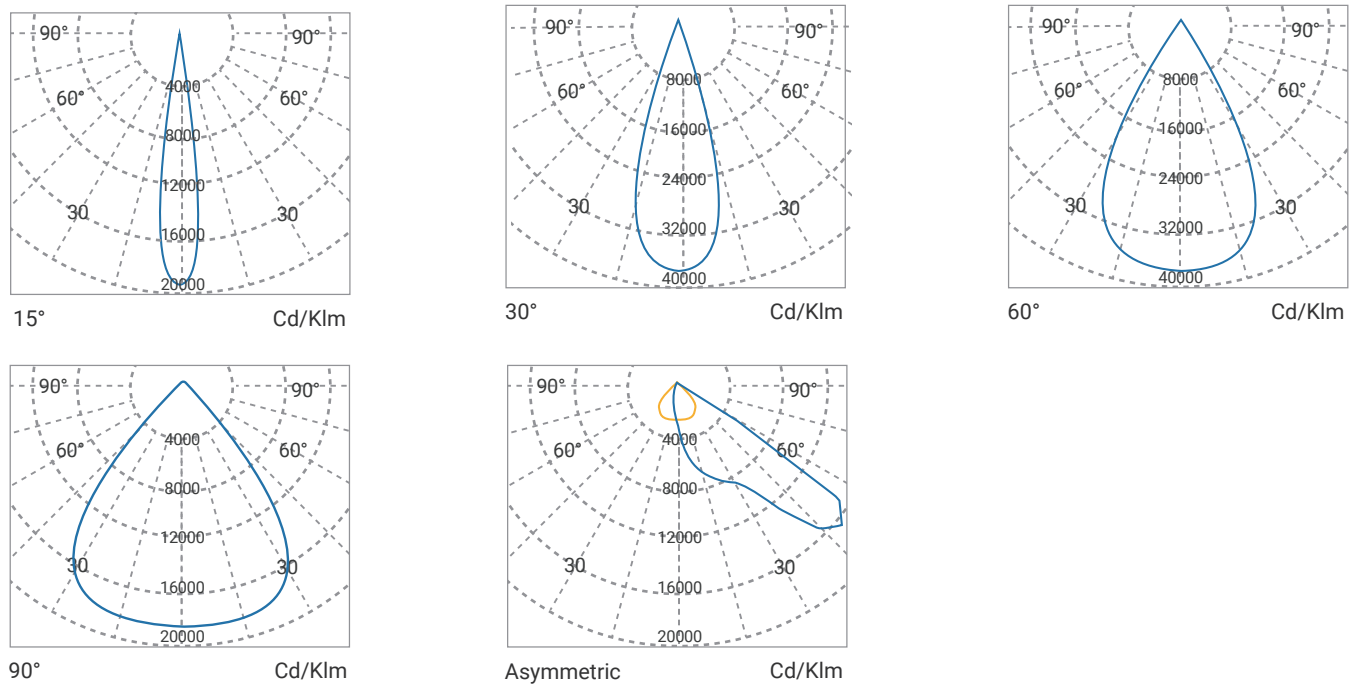
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.89
	3000K	0.93
	3500K	0.97
	4000K	1.00
	5000K	1.00
	6500K	0.98

	CCT	CONVERSION FACTOR
90 CRI	2700K	0.78
	3000K	0.82
	3500K	0.85
	4000K	0.88
	5000K	0.88
	6500K	0.86

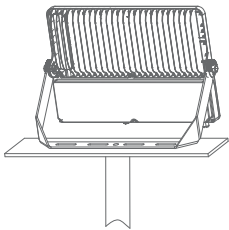
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PHOTOMETRY / FOTOMETRÍA



MOUNTING DETAILS / DETALLES DE MONTAJE



Bracket mount

PACKAGE INFO / INFORMACIÓN DE EMPAQUE

MODEL	QTY/CTN	CTN SIZE (mm)	CBM (m³)	NET WEIGHT (kg)	GROSS WEIGHT (kg)
BIGPLUX PRO M	1pc	L610*W500*H80	0.024	8.4	9.4
BIGPLUX PRO L	1pc	L610*W590*H80	0.029	9.8	10.8
BIGPLUX PRO XL	1pc	L690*W610*H80	0.034	11.0	12.2

