

LED FLOOD LIGHT CENTURION

LED FLOOD LIGHT CENTURION adopts high-end CREE COB LED, excellent driver options from Meanwell to make the conversion efficiency higher. It is suitable to be used on outdoor applications and has high CRI with 105lm/Watt. It has four-dimensional cooling structure which initiate cooling and temperature control to make the lamps more stable. CENTURION is suitable for high mast applications and can be installed on football fields, stadiums and parks.



SPECIFICATIONS

- Power : 80W, 100W, 150W, 200W, 300W, 400W, 500W, 600W, 700W, 800W, 1000W, & 2000W
- Beam Angles : 24°, 38°, 60° & 90°
- CCT : 3000K, 4000K & 6500K
- CRI : 80
- IP rating : IP67

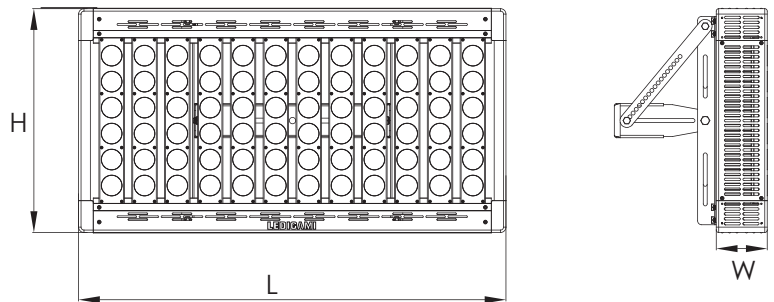
HIGHLIGHTS

- CREE COB
- Meanwell driver for higher efficiency & reliability
- Suitable for outdoor applications
- Easy Installation
- Average rated lifespan of 50,000 hours

CERTIFICATIONS

- CE
- RoHS

Please refer to the technical specifications for the dimensions



Tolerance for dimensions = $\pm 2.5\text{mm}$



LED FLOOD LIGHT CENTURION

Technical Specifications

80W - 400W

Article Number		TF-PFL-AA-10xy2C*	TF-PFL-BA-10xy2C*	TF-PFL-CA-10xy2C*	TF-PFL-DA-10xy2C*	TF-PFL-EA-10xy2C*	TF-PFL-FA-10xy2C*
Optical	Brightness	8400lm	10500lm	15750lm	21000lm	31500lm	42000lm
	LED type	CREE COB	CREE COB	CREE COB	CREE COB	CREE COB	CREE COB
	Number of LEDs	9pcs	12pcs	16pcs	24pcs	36pcs	48pcs
	Driver Type	Meanwell	Meanwell	Meanwell	Meanwell	Meanwell	Meanwell
	CRI	80	80	80	80	80	80
Environmental	Operating temperature	-40°C - 80°C	-40°C - 80°C	-40°C - 80°C	-40°C - 80°C	-40°C - 80°C	-40°C - 80°C
	Operating humidity range	0 - 90%RH	0 - 90%RH	0 - 90%RH	0 - 90%RH	0 - 90%RH	0 - 90%RH
	Power factor	>0.98	>0.98	>0.98	>0.98	>0.98	>0.98
	Ingress protection	IP67	IP67	IP67	IP67	IP67	IP67
	LED lifetime	50,000Hours	50,000Hours	50,000Hours	50,000Hours	50,000Hours	50,000Hours
Power	Mains input	90 - 305 VAC	90 - 305 VAC	90 - 305 VAC	90 - 305 VAC	90 - 305 VAC	90 - 305 VAC
	Power consumption maximum	80W	100W	150W	200W	300W	400W
Physical	Housing	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
	Dimensions (L x H x W)	318 x 297 x 104mm	385 x 298 x 104mm	385 x 351 x 104mm	520 x 350 x 104mm	520 x 456 x 104mm	604 x 456 x 104mm
	Weight	5.5kg	7kg	8kg	10kg	15kg	18kg

500W - 2000W

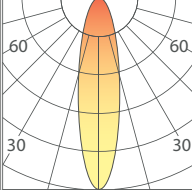
Article Number		TF-PFL-GA-10xy2C*	TF-PFL-HA-10xy2C*	TF-PFL-IA-10xy2C*	TF-PFL-JA-10xy2C*	TF-PFL-KA-10xy2C*	TF-PFL-LA-10xy2C*
Optical	Brightness	52500lm	63000lm	73500lm	84000lm	105000lm	210000lm
	LED type	CREE COB	CREE COB	CREE COB	CREE COB	CREE COB	CREE COB
	Number of LEDs	60pcs	72pcs	72pcs	96pcs	120pcs	240pcs
	Driver Type	Meanwell	Meanwell	Meanwell	Meanwell	Meanwell	Meanwell
	CRI	80	80	80	80	80	80
Environmental	Operating temperature	-40°C - 80°C	-40°C - 80°C	-40°C - 80°C	-40°C - 80°C	-40°C - 80°C	-40°C - 80°C
	Operating humidity range	0 - 90%RH	0 - 90%RH	0 - 90%RH	0 - 90%RH	0 - 90%RH	0 - 90%RH
	Power factor	>0.98	>0.98	>0.98	>0.98	>0.98	>0.98
	Ingress protection	IP67	IP67	IP67	IP67	IP67	IP67
	LED lifetime	50,000Hours	50,000Hours	50,000Hours	50,000Hours	50,000Hours	50,000Hours
Power	Mains input	90 - 305 VAC	90 - 305 VAC	90 - 305 VAC	90 - 305 VAC	90 - 305 VAC	90 - 305 VAC
	Power consumption maximum	500W	600W	700W	800W	1000W	2000W
Physical	Housing	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
	Dimensions (L x H x W)	738 x 457 x 104mm	872 x 457 x 104mm	872 x 457 x 104mm	872 x 567 x 104mm	872 x 669 x 104mm	1140 x 934 x 104mm
	Weight	21kg	26kg	26kg	31kg	37kg	57kg

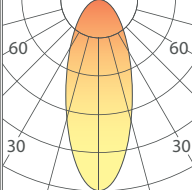
* Note :

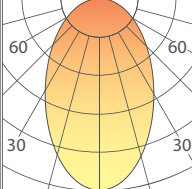
- x = Beam Angle y = Color Temperature
- 2= 24° 1= 3000K
- 3= 38° 2= 4000K
- 4= 60° 3= 6500K
- 5= 90°

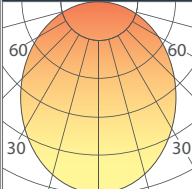
** All specifications are subjected to change without prior notice.

LED FLOOD LIGHT CENTURION Radiation Pattern & Lux Diagram

Beam Angle : 24°		Typical Center Beam Lux (lx)											
	Dist. (m)	80W	100W	150W	200W	300W	400W	500W	600W	700W	800W	1000W	2000W
	10	324	405	608	811	1217	1622	2028	2433	2839	3245	4056	8113
	20	81	101	152	202	304	405	507	608	709	811	1014	2028
	30	36	45	67	90	135	180	225	270	315	360	450	901

Beam Angle : 38°		Typical Center Beam Lux (lx)											
	Dist. (m)	80W	100W	150W	200W	300W	400W	500W	600W	700W	800W	1000W	2000W
	10	173	216	324	433	649	866	1083	1299	1516	1732	2165	4331
	20	43	54	81	108	162	216	270	324	379	433	541	1083
	30	19	24	36	48	72	96	120	144	168	192	240	481

Beam Angle : 60°		Typical Center Beam Lux (lx)											
	Dist. (m)	80W	100W	150W	200W	300W	400W	500W	600W	700W	800W	1000W	2000W
	10	105	131	197	263	395	527	659	790	922	1054	1318	2636
	20	26	32	49	65	98	131	164	197	230	263	329	659
	30	11	14	21	29	43	58	73	87	102	117	146	292

Beam Angle : 90°		Typical Center Beam Lux (lx)											
	Dist. (m)	80W	100W	150W	200W	300W	400W	500W	600W	700W	800W	1000W	2000W
	10	51	64	97	120	180	259	324	361	421	481	602	1204
	20	12	16	24	30	64	64	81	90	105	120	150	301
	30	5	7	10	13	28	28	36	40	46	53	66	133