

PURSOS® LED Flood Light

Datasheet



PURSOS® is a series of durable and environmentally-preferable LED forward lighting luminaires. Rated for outdoor use, the PURSOS forward light family offer white LEDs of 4 different power range, special optical design in slim, rugged aluminum alloy housing made to fit many forward lighting applications such as billboard sign illumination, area flood lighting and security lighting. Advertisers and store owners can rest assure that their important company messages will shine brightly through the night, all year round. The durable construction and remarkably long lifetime of PURSOS offers big savings in maintenance costs, particularly for hard-to-reach installation locations, such as building façades and rooftop billboards. The energy efficient PURSOS LED lighting with special designed optics promises that the target area will be blanketed in smooth consistent light while the customer benefits from cost savings and a small carbon footprint.

BENEFITS

- **Slim and sleek design**
Aluminum die cast and integrated heat sink ensuring optimal lighting operation
- **Flexible light positioning**
180° swivel arm bracket for fixture tilting to provide optimal forward lighting without special tools
- **IP67 protection**
Undergone rigorous testing to ensure dust & water ingress protection
- **Long life time**
Long life saving maintenance cost, particularly good for difficult to access locations such as façades and roof top billboards

APPLICATIONS

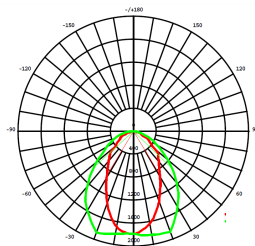
- Forward lighting for billboards
- Area flood lighting
- Security lighting
- Façade and building illumination

SPECIFICATION

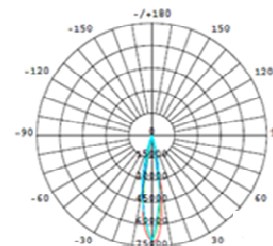
Item	Parameter	PURSOS 30W	PURSOS 60W	PURSOS 90W	PURSOS 120W	
Light Output*	Typical luminous flux @6000K	2350 lm	4700 lm	7050 lm	9400 lm	9680 lm
	Maximum luminous flux @6000K	2750 lm	5500 lm	8250 lm	11000 lm	11800 lm
	Typical luminous flux @4000K	2000 lm	4000 lm	6000 lm	8000 lm	8100 lm
	Maximum luminous flux @4000K	2420 lm	4840 lm	7260 lm	9680 lm	9920 lm
	Beam angle	90° x 60°				16°
	CCT (typical)	4000K, 6000K				
	CRI	70				
	Lifetime (T _a @35°C)	50,000 hours				
Electrical	Input voltage	100 ~ 240 V _{AC} , 50/60Hz				
	Power (tolerance ±10%)	30W	60W	90W	120W	
	LED input current	350mA				
	ESD protection	Contact 4kV and Air 8kV				
Physical	Dimension (mm)	310Lx340Wx80H		410Lx389Wx86H		
	Weight	5 kg	5.2 kg	8 kg	8.5 kg	
	Cable	Luminaire power cable 2m in length				
	Housing material	Aluminum alloy with black powder paint				
Temperature	Ambient (T _a in free air)	-30 ... 50°C				
	Storage	-40 ... 80°C				
Standard Compliance	IP Rating	IP67				
	Certification	CE, CB, PSE				
	Protection against electrical shock	Class I				
	Flammability	IEC60695				
	Environment	RoHS				

* The typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product. Actual lumen output can be varied due to many factors like lamp factor of LED, input current/voltage, thermal conditions, optical tolerance, and even measurement tolerance. Therefore the data above is for reference only. If customers have any specific demand on particular parameters, please contact Osram sales or marketing staff for advice.

PHOTOMETRICS



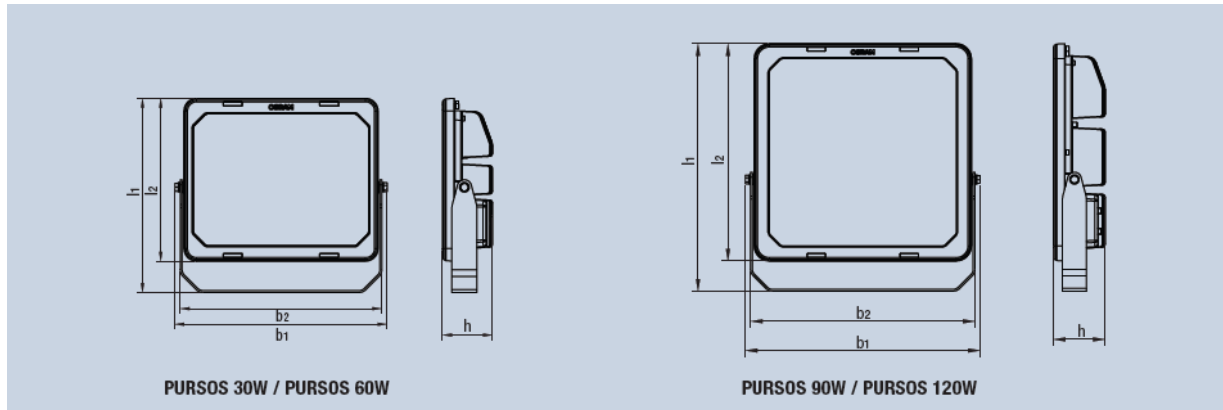
Beam angle: 90°x60°



Beam angle: 16°

Note: Due to manufacturing processes of LED, the polar candela distribution and distance illuminance only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product, which may differ from the typical values.

DRAWINGS



Model	l1 (mm)	l2 (mm)	b1 (mm)	b2 (mm)	h (mm)
PURSOS 30W	310	260	340	322	80
PURSOS 60W	310	260	340	322	80
PURSOS 90W	410	360	389	372	86
PURSOS 120W	410	360	389	372	86

ORDERING CODE

Product Name	CCT	Power	Beam Angle	EAN-40	Shipping Unit
CE/CB Certified Version					
PURSOS W4-76 BK 30W L90X60	6000K	30W	90°x60°	4008321743442	1
PURSOS W4-76 BK 60W L90X60	6000K	60W	90°x60°	4008321743473	1
PURSOS W4-76 BK 90W L90X60	6000K	90W	90°x60°	4008321736581	1
PURSOS W4-76 BK 120W L90X60	6000K	120W	90°x60°	4008321736598	1
PURSOS W4F-84 BK 30W L90X60	4000K	30W	90°x60°	4008321858856	1
PURSOS W4F-84 BK 60W L90X60	4000K	60W	90°x60°	4008321858863	1
PURSOS W4F-84 BK 90W L90X60	4000K	90W	90°x60°	4008321858870	1
PURSOS W4F-84 BK 120W L90X60	4000K	120W	90°x60°	4008321858894	1
PURSOS W4-76 BK 120W L16X16	6000K	120W	16°	4008321858153	1
PURSOS W4F-84 BK 120W L16X16	4000K	120W	16°	4008321858139	1
PSE Certified Version					
PURSOS W4-76 BK 30W L90X60 JP	6000K	30W	90°x60°	4008321856258	1
PURSOS W4-76 BK 60W L90X60 JP	6000K	60W	90°x60°	4008321856265	1
PURSOS W4-76 BK 90W L90X60 JP	6000K	90W	90°x60°	4008321856272	1
PURSOS W4-76 BK 120W L90X60 JP	6000K	120W	90°x60°	4008321856289	1
PURSOS W4F-84 BK 30W L90X60 JP	4000K	30W	90°x60°	4008321858818	1
PURSOS W4F-84 BK 60W L90X60 JP	4000K	60W	90°x60°	4008321858825	1
PURSOS W4F-84 BK 90W L90X60 JP	4000K	90W	90°x60°	4008321858832	1
PURSOS W4F-84 BK 120W L90X60 JP	4000K	120W	90°x60°	4008321858849	1
PURSOS W4-76 BK 120W L16X16 JP	6000K	120W	16°	4008321858160	1
PURSOS W4F-84 BK 120W L16X16 JP	4000K	120W	16°	4008321858146	1

SAFETY NOTE

- Luminaire must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulation.
- Do not use the luminaire if the lens, housing, or power cables are damaged.
- Do not attempt to install or use a fixture until you have read and understand the installation instructions.
- Do not light up the system without grounding connection.
- Do not use a sharp object to tab or hit glass and avoid crushing the glass.
- Do not use corrosive liquid to clean glass surface, as it may damage the surface gloss.
- Do not suspend the luminaries using the power cable.
- Do not exceed the specified voltage and current input.

SALES & TECHNICAL SUPPORT

OSRAM Asia Pacific

30/F, China Resources Building,
26 Harbour Road, Wanchai, Hong Kong
+852 3652 5678
www.osram.com

Sales and technical support is given by the local OSRAM subsidiaries. Complete subsidiary listing is available at OSRAM homepage.