

LUXVANCE LED Street Light

Data Sheet



LUXVANCE LED Street Light is a state of art LED street light lantern designed with the concept of flexibility, and most simplified platform to achieve optimum balance between performances over cost. The whole product family offers different level of system efficacy for customer choosing to fit their project demand. Its wide range of power & lumen package can cover all kind of CIE class roads. It also has excellent thermal management ensuring reasonable LED junction temperature for optimal operation.

BENEFITS

- **Available options**
52-275W(5300lm-27400lm) 13 different models to cover ME1 to ME5 class road
- **IP66 protection**
Robust mechanical design for extreme outdoor conditions.
- **High system efficiency**
97lm/W, 111lm/W and 121lm/W are available
- **Professional optical design**
Best use of light to the target area & not to create glare to driver & environment.
- **Long life time**
Long life saving maintenance cost, more than 50,000 hours lifetime
- **White light**
White light helps to distinguish objects, colors and shapes easier at night with better color rendering and a higher perceived brightness making people feel safer outdoors
- **Environmental friendly**
Contains no hazardous materials

APPLICATIONS

- **Street light illumination**
Street illumination for various kinds of roads, while providing maintenance-free and energy-saving solution
- **City beautification**
City road illumination making landscape and shops more visible at night
- **Parking lots and industrial roads**
Illuminating parking lots and industrial road while improving security and visibility at night

SPECIFICATION

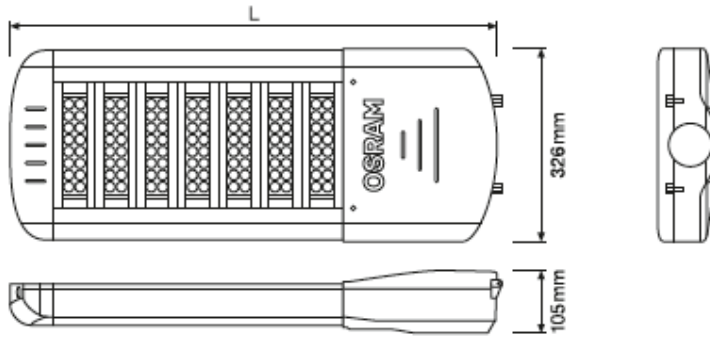
	Parameter	LUXVANCE 55W 1050 757/740	LUXVANCE 110W 1050 757/740	LUXVANCE 160W 1050 757/740	LUXVANCE 270W 1050 757/740
Light Output*		5700K			
	Typical luminous flux(lm)	5300	10500	16000	26300
		4000K			
	Typical luminous flux(lm)	4860	9700	14500	24200
	Beam angle	WB: 84° x 143° / NB: 73° x 152°			
	CCT	5700K ± 450K			
	CCT	4000K ± 200K			
	CRI	70			
	Lifetime	50000hr @ Ta=35C			
Electrical #	Input voltage	110-277 VAC 50/60Hz			
	Typical power consumption	55	111	165	275
	System efficacy @ 5700K	96	95	97	96
	System efficacy @ 4000K	88	87	88	88
	Power factor	>0.95			
	ESD protection	Contact 4kV and Air 8kV			
	Surge protection	3kV Line – Neutral,6kV Line/Neutral – PE			
	Mechanical	Dimension	W326mm xH105mm		
Length		513 mm	513 mm	612 mm	801 mm
Mounting		side-entry mounting			
Maintenance		both driver & LED module can be replaced independently			
Weight		7 kg	7.2 kg	8.7 kg	11.5 kg
Temperature ##		Ambient	-30 °C ... +50°C (Ta in free air)		
	Storage	-30 °C ... +80°C			
Standard Compliance	IP Rating	IP66			
	Class	Class I , IESNA: Type III - very short@WB / Type III - Medium@NB			
		I IEC60598-1 Luminaires Part 1 General requirements and tests		I EN 61000-4-2	
		I IEC60598-2-3 Luminaires for road and street lighting		I EN 61000-4-3	
		I EN 55015 EMC radio disturbance		I EN 61000-4-4	
		I EN 61000-3-2 Harmonics and flickers		I EN 61000-4-5	
		I EN61547 EMC immunity requirements		I EN 61000-4-6	
		I EN62471 eyes safety requirements		I EN 61000-4-8	
	I JESD22 Reliability standard				
Standard	I Environment: Rohs				
Flammability	IEC60695				
Conformity	CE, CQC, CB				
Environment	RoHS, EHS				

*) Due to the special conditions of LED manufacturing processes, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.

#) Exceeding maximum ratings of operating voltage will cause hazardous overload and will likely destroy the LED luminaire.

##) Exceeding maximum ratings for operating and storage temperature will reduce the expected life time or destroy the LED.

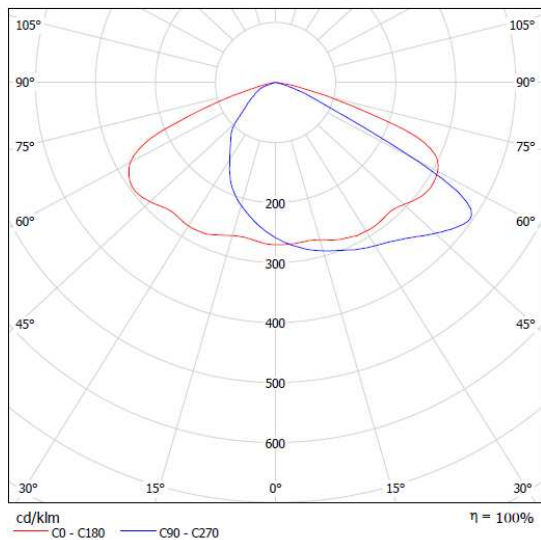
Dimension



	Rated voltage	Light source	L	Mounting height	Max area of wind load	Protection class
LUXVANCE 66W-500mA	110-277V~ 50/60Hz	LED	513 mm	8-12m	0.17 m ²	CLASS I
LUXVANCE 66W-700mA	110-277V~ 50/60Hz	LED	513 mm	8-12m	0.17 m ²	CLASS I
LUXVANCE 66W-1050mA	110-277V~ 50/60Hz	LED	513 mm	8-12m	0.17 m ²	CLASS I
LUXVANCE 100W-600mA	110-277V~ 50/60Hz	LED	542 mm	8-12m	0.18 m ²	CLASS I
LUXVANCE 100W-700mA	110-277V~ 50/60Hz	LED	542 mm	8-12m	0.18 m ²	CLASS I
LUXVANCE 100W-1050mA	110-277V~ 50/60Hz	LED	513 mm	8-12m	0.17 m ²	CLASS I
LUXVANCE 150W-600mA	110-277V~ 50/60Hz	LED	681 mm	8-12m	0.22 m ²	CLASS I
LUXVANCE 150W-700mA	110-277V~ 50/60Hz	LED	612 mm	8-12m	0.20 m ²	CLASS I
LUXVANCE 150W-1050mA	110-277V~ 50/60Hz	LED	612 mm	8-12m	0.20 m ²	CLASS I
LUXVANCE 200W-700mA	110-277V~ 50/60Hz	LED	681 mm	8-12m	0.22 m ²	CLASS I
LUXVANCE 250W-600mA	110-277V~ 50/60Hz	LED	959 mm	8-12m	0.31 m ²	CLASS I
LUXVANCE 250W-700mA	110-277V~ 50/60Hz	LED	820 mm	8-12m	0.27 m ²	CLASS I
LUXVANCE 250W-1050mA	110-277V~ 50/60Hz	LED	901 mm	8-12m	0.26 m ²	CLASS I

PHOTOMETRICS

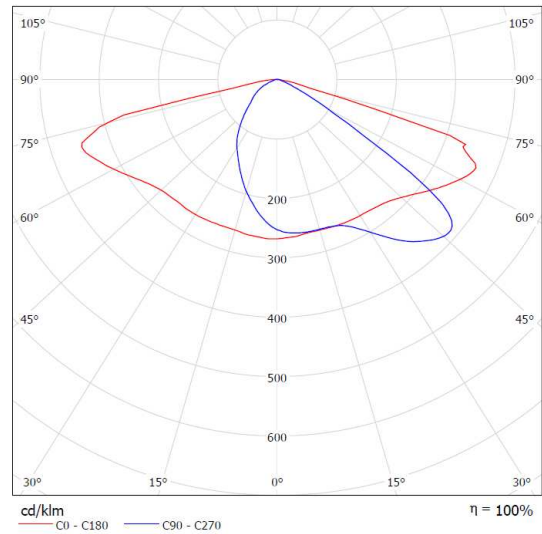
Luminaire: osram 100W-1050mA-740-WB
Lamps: 1 x 100W-1050mA-740-WB



WB OPTICS

Updated on MAY 2014 APAC

Luminaire: osram
Lamps: 1 x 100W-1050mA-757-NB-MU



NB OPTICS

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Ordering Details

Product Name	Short text	EAN-040	S-UNIT
LUXVANCE 270W 1050mA 5700K 80° x 140°	LUXVANCE ST 270W 1050MA-757 WB VS1 OSRAM	4052899111455	1
LUXVANCE 270W 1050mA 5700K 75° x 150°	LUXVANCE ST 270W 1050MA-757 NB VS1 OSRAM	4052899111479	1
LUXVANCE 160W 1050mA 5700K 80° x 140°	LUXVANCE ST 160W 1050MA-757 WB VS1 OSRAM	4052899111493	1
LUXVANCE 160W 1050mA 5700K 75° x 150°	LUXVANCE ST 160W 1050MA-757 NB VS1 OSRAM	4052899111516	1
LUXVANCE 110W 1050mA 5700K 80° x 140°	LUXVANCE ST 110W 1050MA-757 WB VS1 OSRAM	4052899111530	1
LUXVANCE 110W 1050mA 5700K 75° x 150°	LUXVANCE ST 110W 1050MA-757 NB VS1 OSRAM	4052899111554	1
LUXVANCE 55W 1050mA 5700K 80° x 140°	LUXVANCE ST 55W 1050MA-757 WB VS1 OSRAM	4052899111578	1
LUXVANCE 55 W 1050mA 5700K 75° x 150°	LUXVANCE ST 55W 1050MA-757 NB VS1 OSRAM	4052899111592	1
LUXVANCE 270W 1050mA 4000K 80° x 140°	LUXVANCE ST 270W 1050MA-840 WB VS1 OSRAM	4052899111615	1
LUXVANCE 270W 1050mA 4000K 75° x 150°	LUXVANCE ST 270W 1050MA-840 NB VS1 OSRAM	4052899111639	1
LUXVANCE 160W 1050mA 4000K 80° x 140°	LUXVANCE ST160W 1050MA-840 WB VS1 OSRAM	4052899111653	1
LUXVANCE 160W 1050mA 4000K 75° x 150°	LUXVANCE ST160W 1050MA-840 NB VS1 OSRAM	4052899111677	1
LUXVANCE 110W 1050mA 4000K 80° x 140°	LUXVANCE ST 110W 1050MA-840 WB VS1 OSRAM	4052899111691	1
LUXVANCE 110W 1050mA 4000K 75° x 150°	LUXVANCE ST 110W 1050MA-840 NB VS1 OSRAM	4052899111714	1
LUXVANCE 55W 1050mA 4000K 80° x 140°	LUXVANCE ST 55W 1050MA-840 WB VS1 OSRAM	4052899111738	1
LUXVANCE 55 W 1050mA 4000K 75° x 150°	LUXVANCE ST 55W 1050MA-840 NB VS1 OSRAM	4052899111752	1

Due to the special conditions of LED manufacturing processes, the polar candela distribution and distance illuminance can only reflect statistical figures and do not necessarily correspond to the actual parameters of each product that may differ from the typical value.

SALES & TECHNICAL SUPPORT

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