

LUXPLUS LED Street Light

Datasheet



LUXPLUS LED Street Light is a state of art LED street light lantern designed with the concept of flexibility, and most simplified platform to achieve optimal balance between performances over cost. It can cover all kind of CIE class roads. It also has excellent thermal management ensuring reasonable LED junction temperature for optimal operation and long lifetime.

FEATURES

Available options

- 5 different models range from 55-270W (5000lm-26000lm) to cover ME1 to ME5 class road.

Step Dimming

- Automatically dim to 50% power after light turn on 6 hours, which can help to save the power consumption

IP66 protection & Dust go-through design

- Robust mechanical design for extreme outdoor environment.

High efficacy

- 100lm/W high efficacy.

Professional optical design

- Best use of light to the target area & not to create glare to driver & environment.

Long lifetime

- 50,000 hours lifetime saving maintenance cost.

Environmental friendly

- No hazardous materials.

APPLICATIONS

Street illumination

- Street illumination for various kinds of roads while providing maintenance-free and energy-saving solution.

City beautification

- City road illumination highlights landscape and shops at night.

Parking lots and industrial roads

- Illuminating parking lots and industrial roads while improving security and visibility at night.

SPECIFICATION

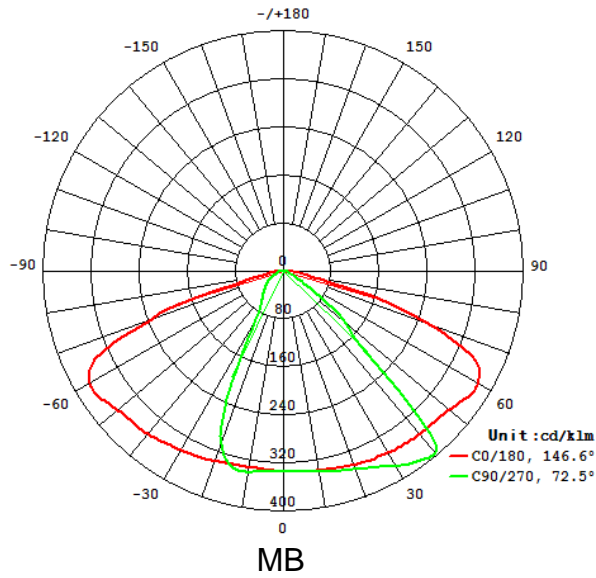
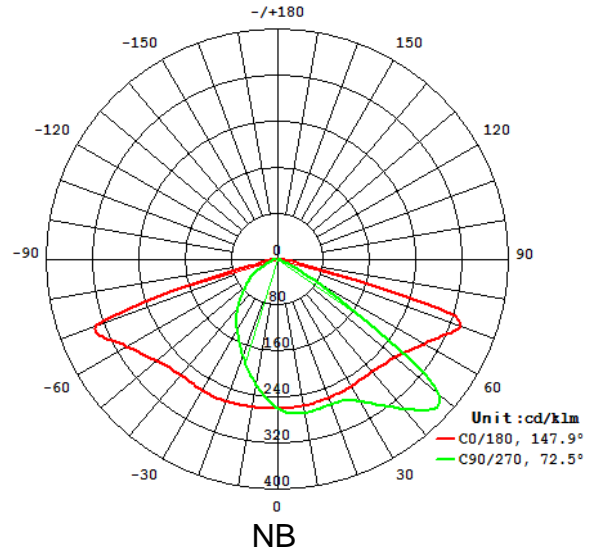
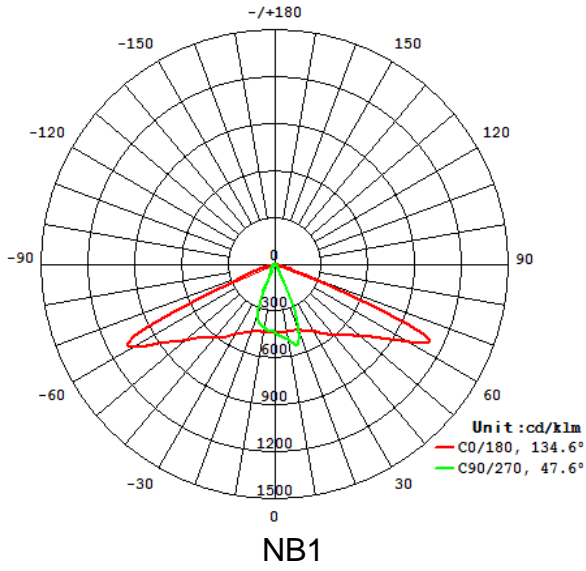
	Parameter	LUXPLUS 55W 757/740	LUXPLUS 110W 757/740	LUXPLUS 160W 757/740	LUXPLUS 220W 757/740	LUXPLUS 270W 757/740
Light Output	Lumens	5500lm	11000lm	16000lm	22000lm	27000lm
	Beam Angle	NB1: 135° x 45° / NB: 145° x 70° (V45) / MB: 145° x 70° (V55)				
	CCT	5700K ± 450K, 4000K ± 200K				
	CRI	>70				
	Lifetime	50,000 hours @ Ta=35C				
Electrical #	Input Voltage	220-240 VAC 50/60Hz				
	Typical Power Consumption	55W	110W	160W	220W	270W
	System Efficacy @ 5700K	100lm/W	100lm/W	100lm/W	100lm/W	100lm/W
	Power Factor	>0.95				
	Control	On/Off (Step Dimming can be customized, dim to 50% after turn on 6 hours as default)				
	ESD Protection	Contact 4kV and Air 8kV				
	Surge Protection	3kV Line – Neutral, 6kV Line/Neutral – PE				
Mechanical	Dimension (WxH)	340mm x 108mm				
	Length	396mm	537mm	537mm	627mm	717mm
	Mounting	Side-entry mounting, 0,5,10,15 degree tilted				
	Maintenance	Driver can be replaced independently				
	Weight	5.4kg	6.4kg	6.5kg	7.3kg	8kg
Temperature ##	Ambient	-30 °C ... +50°C (Ta in free air)				
	Storage	-30 °C ... +85°C				
Standard Compliance	IP Rating	IP66				
	Classification	Class I, IESNA: Type I - Medium@ NB1/ Type III – very short @ NB/ Type II Medium @MB				
	Standard	I IEC60598-1 Luminaires Part 1 General requirements and tests I IEC60598-2-3 Luminaires for road and street lighting I EN 55015 EMC radio disturbance I EN 61000-3-2 Harmonics and flickers I EN61547 EMC immunity requirements I EN62471 eyes safety requirements I JESD22 Reliability standard I Environment: RoHS			I EN 61000-4-2 I EN 61000-4-3 I EN 61000-4-4 I EN 61000-4-5 I EN 61000-4-6 I EN 61000-4-8	
	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.

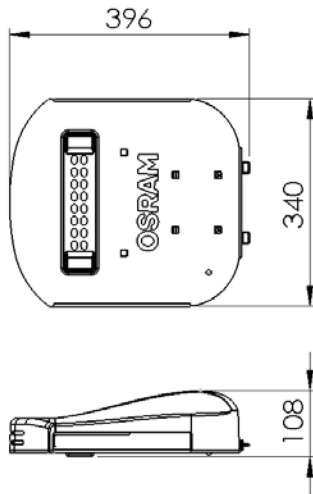
#) Exceeding maximum ratings of operating voltage will cause hazardous overload and will likely destroy the LED luminaire.

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

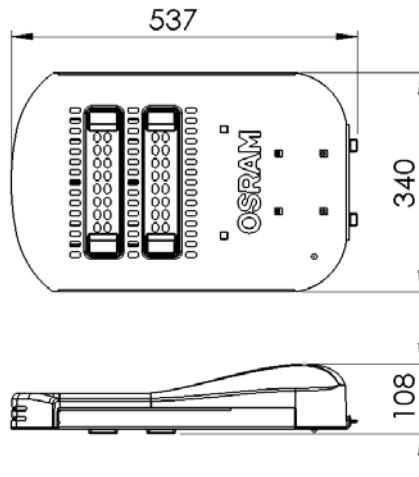
PHOTOMETRICS



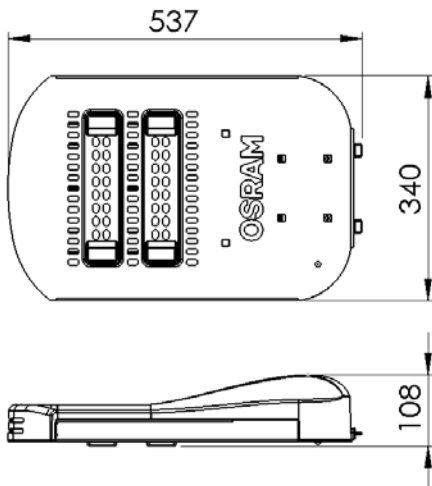
DRAWINGS



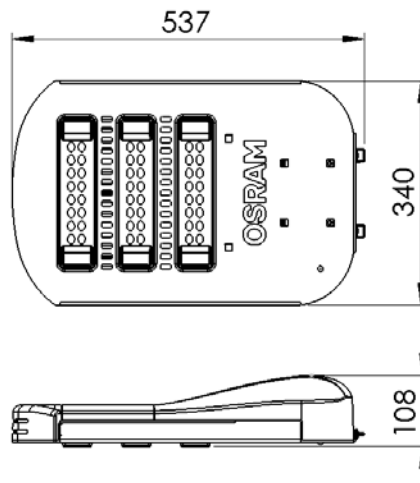
55W



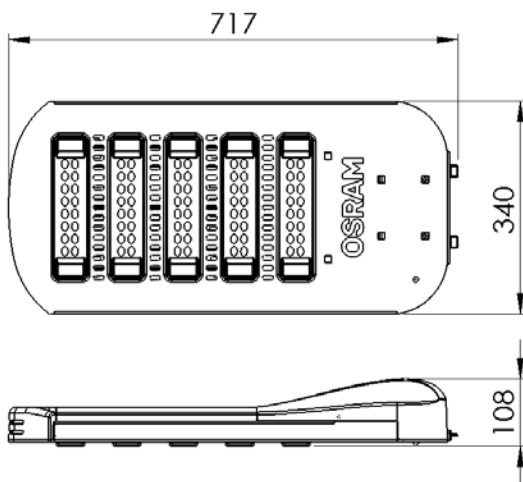
110W



160W



220W



270W

ORDERING CODE

APAC Version

Short Text	EAN-040	Shipping Unit
LUXPLUS LED ST 55W 740 MB VS1 OSRAM	4052899348097	1pcs
LUXPLUS LED ST 55W 740 NB VS1 OSRAM	4052899348110	1pcs
LUXPLUS LED ST 55W 740 NB1 VS1 OSRAM	4052899348134	1pcs
LUXPLUS LED ST 55W 757 MB VS1 OSRAM	4052899348165	1pcs
LUXPLUS LED ST 55W 757 NB VS1 OSRAM	4052899348189	1pcs
LUXPLUS LED ST 55W 757 NB1 VS1 OSRAM	4052899348202	1pcs
LUXPLUS LED ST 110W 740 MB VS1 OSRAM	4052899348240	1pcs
LUXPLUS LED ST 110W 740 NB VS1 OSRAM	4052899348271	1pcs
LUXPLUS LED ST 110W 740 NB1 VS1 OSRAM	4052899348295	1pcs
LUXPLUS LED ST 110W 757 MB VS1 OSRAM	4052899348325	1pcs
LUXPLUS LED ST 110W 757 NB VS1 OSRAM	4052899348349	1pcs
LUXPLUS LED ST 110W 757 NB1 VS1 OSRAM	4052899348370	1pcs
LUXPLUS LED ST 160W 740 MB VS1 OSRAM	4052899348431	1pcs
LUXPLUS LED ST 160W 740 NB VS1 OSRAM	4052899348455	1pcs
LUXPLUS LED ST 160W 740 NB1 VS1 OSRAM	4052899348479	1pcs
LUXPLUS LED ST 160W 757 MB VS1 OSRAM	4052899348493	1pcs
LUXPLUS LED ST 160W 757 NB VS1 OSRAM	4052899348516	1pcs
LUXPLUS LED ST 160W 757 NB1 VS1 OSRAM	4052899348530	1pcs
LUXPLUS LED ST 220W 740 MB VS1 OSRAM	4052899348554	1pcs
LUXPLUS LED ST 220W 740 NB VS1 OSRAM	4052899348578	1pcs
LUXPLUS LED ST 220W 740 NB1 VS1 OSRAM	4052899348592	1pcs
LUXPLUS LED ST 220W 757 MB VS1 OSRAM	4052899348677	1pcs
LUXPLUS LED ST 220W 757 NB VS1 OSRAM	4052899348691	1pcs
LUXPLUS LED ST 220W 757 NB1 VS1 OSRAM	4052899348714	1pcs
LUXPLUS LED ST 270W 740 MB VS1 OSRAM	4052899348790	1pcs
LUXPLUS LED ST 270W 740 NB VS1 OSRAM	4052899348813	1pcs
LUXPLUS LED ST 270W 740 NB1 VS1 OSRAM	4052899348837	1pcs
LUXPLUS LED ST 270W 757 MB VS1 OSRAM	4052899348967	1pcs
LUXPLUS LED ST 270W 757 NB VS1 OSRAM	4052899348981	1pcs
LUXPLUS LED ST 270W 757 NB1 VS1 OSRAM	4052899349001	1pcs

OCN Version

Short Text	EAN-040	Shipping Unit
LUXPLUS LED ST 55W 740 MB CN VS1 OSRAM	4052899346789	1pcs
LUXPLUS LED ST 55W 740 NB CN VS1 OSRAM	4052899346796	1pcs
LUXPLUS LED ST 55W 740 NB1 CN VS1 OSRAM	4052899346802	1pcs
LUXPLUS LED ST 55W 757 MB CN VS1 OSRAM	4052899348011	1pcs
LUXPLUS LED ST 55W 757 NB CN VS1 OSRAM	4052899348028	1pcs
LUXPLUS LED ST 55W 757 NB1 CN VS1 OSRAM	4052899348035	1pcs
LUXPLUS LED ST 110W 740 MB CN VS1 OSRAM	4052899348042	1pcs
LUXPLUS LED ST 110W 740 NB CN VS1 OSRAM	4052899348059	1pcs
LUXPLUS LED ST 110W 740 NB1 CN VS1 OSRAM	4052899348066	1pcs
LUXPLUS LED ST 110W 757 MB CN VS1 OSRAM	4052899348073	1pcs
LUXPLUS LED ST 110W 757 NB CN VS1 OSRAM	4052899348080	1pcs
LUXPLUS LED ST 110W 757 NB1 CN VS1 OSRAM	4052899348141	1pcs
LUXPLUS LED ST 160W 740 MB CN VS1 OSRAM	4052899348219	1pcs
LUXPLUS LED ST 160W 740 NB CN VS1 OSRAM	4052899348226	1pcs
LUXPLUS LED ST 160W 740 NB1 CN VS1 OSRAM	4052899348264	1pcs
LUXPLUS LED ST 160W 757 MB CN VS1 OSRAM	4052899348318	1pcs
LUXPLUS LED ST 160W 757 NB CN VS1 OSRAM	4052899348363	1pcs
LUXPLUS LED ST 160W 757 NB1 CN VS1 OSRAM	4052899348394	1pcs
LUXPLUS LED ST 220W 740 MB CN VS1 OSRAM	4052899348400	1pcs
LUXPLUS LED ST 220W 740 NB CN VS1 OSRAM	4052899348417	1pcs
LUXPLUS LED ST 220W 740 NB1 CN VS1 OSRAM	4052899348424	1pcs
LUXPLUS LED ST 220W 757 MB CN VS1 OSRAM	4052899348608	1pcs
LUXPLUS LED ST 220W 757 NB CN VS1 OSRAM	4052899348615	1pcs
LUXPLUS LED ST 220W 757 NB1 CN VS1 OSRAM	4052899348653	1pcs
LUXPLUS LED ST 270W 740 MB CN VS1 OSRAM	4052899349070	1pcs
LUXPLUS LED ST 270W 740 NB CN VS1 OSRAM	4052899349087	1pcs
LUXPLUS LED ST 270W 740 NB1 CN VS1 OSRAM	4052899349094	1pcs
LUXPLUS LED ST 270W 757 MB CN VS1 OSRAM	4052899349100	1pcs
LUXPLUS LED ST 270W 757 NB CN VS1 OSRAM	4052899349117	1pcs
LUXPLUS LED ST 270W 757 NB1 CN VS1 OSRAM	4052899349124	1pcs