



Product guideline

Item Model: TSL-R005/200xx

Customer item

Description: LED STREET LIGHT

85-265VAC -200W ->24000lm, PF>0.9

4pcs *50W Epistar COB 140lm/W

Approved issue 03 / 12 / 2019

xx= CCT value reference Signature of Technical Manager

REVISION INDEX

Rev.	Date	Note	Operator
00. 00	02 - 07 - 2015	1 st edition, CE certification	Chill
01. 01	18 - 03 - 2016	3 rd edition_ modified	Ammar
02. 00	27 - 06 - 2017	4 th edition_ Italy Fair	Ihsan
02. 01	13 -12 -2017	For customer	

MANDATORY FEATURES

Housing: pure aluminum heat sink to ensure the best heat radiation, coated powder painting.

Resistance to the peak current through a protection diode

Epistar chips design ensure the low heat generation, extend the lifespan of the lamp sources

Efficiency >120lm/W

Beam angle 140*60° symmetrical light distribution curve, tempering glass cover with high transmittance, UV-resistant

lamp body firmly connected and sealed, water-proof

With aluminum reflector, high efficiency output

Heavier lamp body and thicker heat sink to ensure the safe working temperature.

Performance requirements according to UNI 11248, UNI EN 13201 - 2

High temperature electrolysis, EE10 transformer, 3 electrolysis solution. Large chip bridge diode, traditional IC solution, steady



PRODUCT OVERVIEW

TECHNICAL DATA

General data

Item n°	TSL-R005/200
Thelux product Code	SWORD
Series	COB
Description	LED STREET LIGHT 85-265VAC -200W ->24000lm, PF>0.9 4pcs *50W Epistar COB 140lm/W
LED type	50W COB Epistar
Type	Outdoor road light
Nominal life (h)	35.000
Dimmable	Optional
Remote control	Optional
Premature failure rate (@1000h)	0% at 1000h
Starting time (max) (s)	<0.1s
Warm-up time to 95% of full light (s)	<0.1s
No. Of switching cycles before premature failure (min)	15.000
LED chip and Optical modules replaceable	Yes
Operation ambient temperature (°C)	-20°to +80°
Operation humidity	≤90%

Optical data

Suitable for accent lighting	No
Color temperature CCT (K)	2700 to 6500K
Color Rendering Index CRI (Ra)	≥80
Beam angle (°)	140° , with reflector
Nominal Luminous flux (lm)	24000
Efficiency (lm/W)	>120
Photo-biological hazard (Group)	Risk Group Exempt

Electrical data

Operating mode	ICG (internal control gear)
Watt (Nominal) (W)	200
Voltage (V AC)	85-265
Frequency (Hz)	50~60
Current (mA)	80
Power factor (PF)	≥0.9
Protection class	I
IP rating	66
LED type/model	COB
LED number (pcs)	4
Driver position	Internal
Driver type	isolated constant current driver, with IC, IP65
SPD	4000V

Capabilities

Type of installation	wall mount, pole standing
Type of connection	Fast connector
Housing type	pure aluminum, painting with powder
Lamp replacement	Yes

Materials and finish

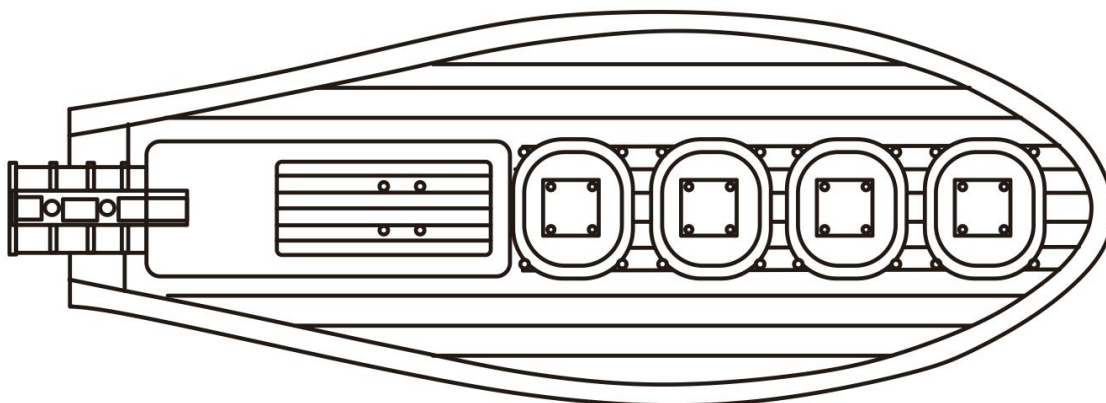
Body material	Pure aluminum, V0 flame retardant
Body finish	Mat
Body color	Black/ gray
Lens material	Tempering glass

Packaging

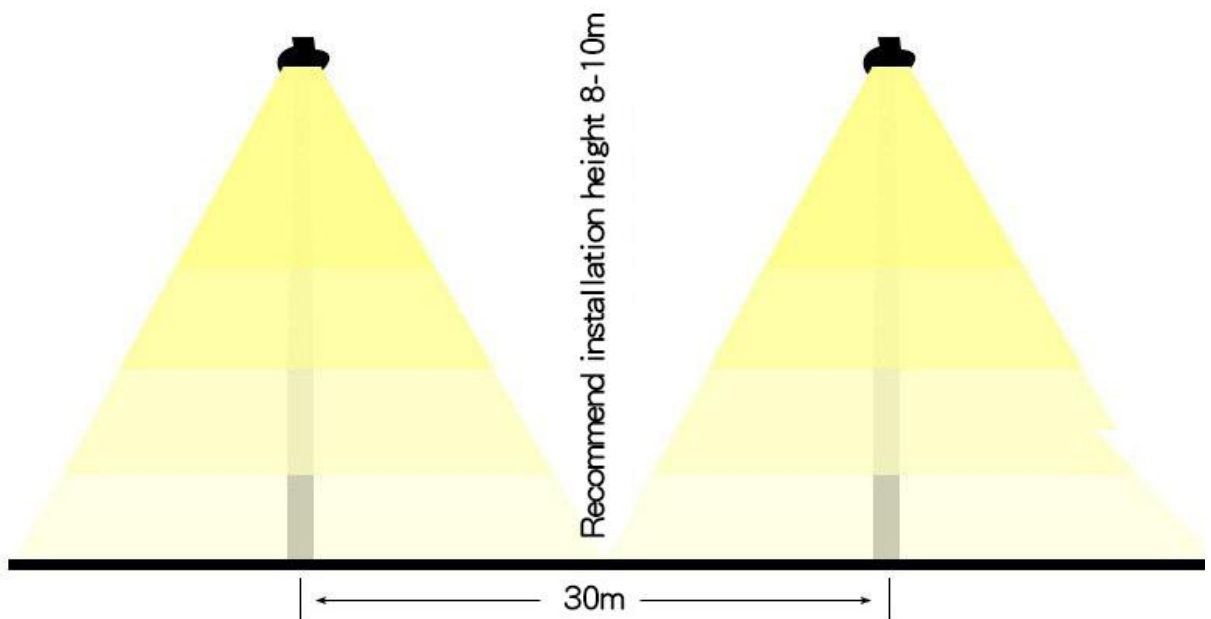
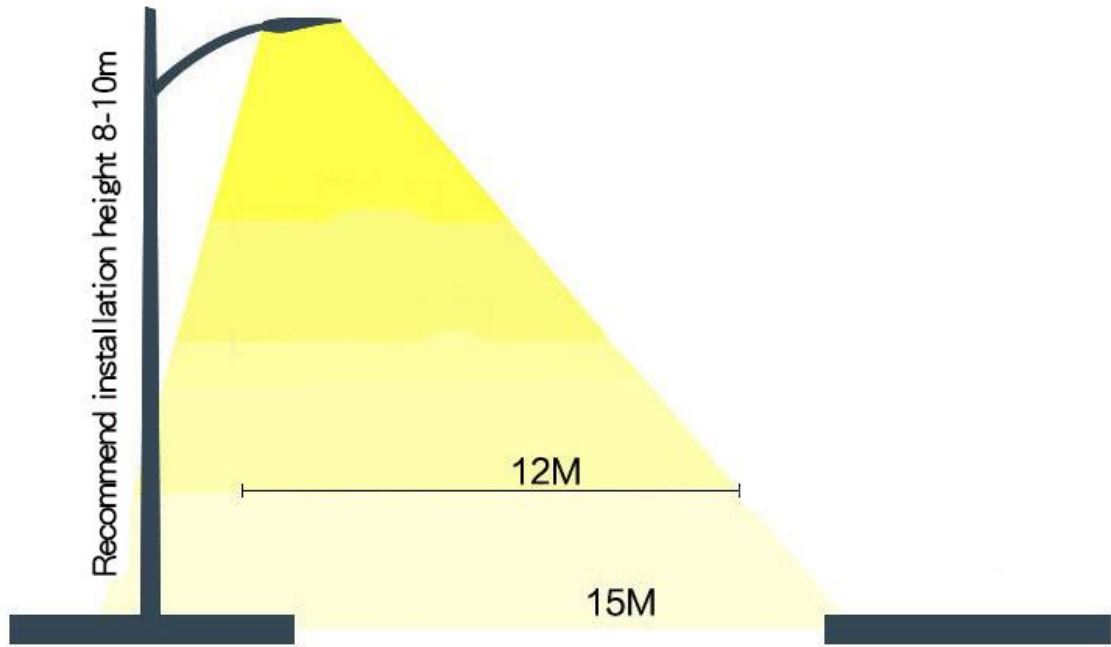
Inner box (pcs)	No
Inner box (mm)	/
Master carton (pcs)	1
Master carton dimension (mm)	1000*350*110
Master carton weight G. W. (kg)	6.85

Physical data

Product size L x W x H	940*345*80
Weight (g)	6500
Type	Outdoor road light



Installation suggestion



Issue	03 - 13 - 2019
Document n°	TSL-R005
Revision n°	02.01
Item	TSL-R005/200

PHOTOMETRIC DATA

CURVE FOTOMETRICHE

PHOTOMETRIC FILE available

IES	File. IES	---
EULUMDAT	File .LDT	---
TM -14	File .T14	---
CIE	File . cie	---
LTLI	File .Itli	---
CINSE	File .cibse	---

3 - 5 years
warranty



Flicker free



Dimmable
on request



Certificate LED



Ecofriendly



85-265 VAC - 50/60 Hz



3200 - 4000 - 6000 K



30.000 h



≥15.000 Switch



0.001 sec -instant on



≤ 6



E27



Issue	03 - 13 - 2019
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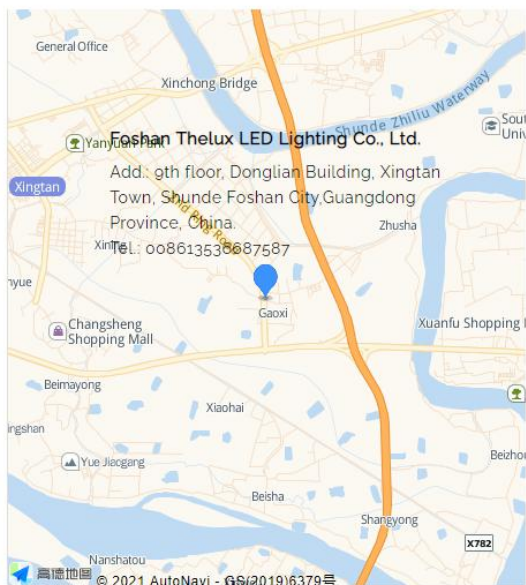
Issue	03 - 13 - 2019
Document n°	TSL-R005
Revision n°	02.01
Item	TSL-R005/200

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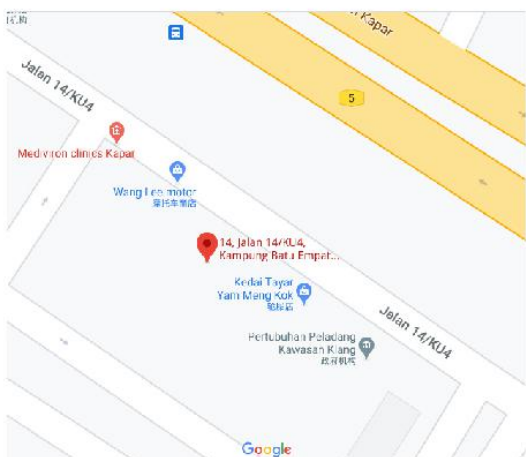
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