



Republic of the Philippines
SOUTHERN LUZON STATE UNIVERSITY
Lucban, Quezon

REQUEST FOR QUOTATION

LAMPS (ORS)

Purchase Request No. 2024-09-1889
Approved Budget for the Contract: ₱ 544,000.00


The Southern Luzon State University through the Bids and Awards Committee invites interested firms/supplier to submit quotation for the procurement of **Lamps (ORS)** to apply the sum of **Five Hundred Forty Four Thousand Pesos Only (₱ 544,000.00)** inclusive of VAT, being the **Approved Budget for the Contract (ABC)**, details as follows:

Qty.	Unit	ITEM/S DESCRIPTION
4	set	UVC lamps and accessories for powdery mildew experiment
32	set	LED lamp (GPL IL 300 DRB L250-400V G3.1 S) and accessories for plant growth and yield experiment
		*see attached document for specification

1. The quotation must be submitted (can also be send thru email at the contact details listed below) or to the Office of the Procurement Office/Bids and Awards Committee, Southern Luzon State University, 2nd Flr. Hermano Puli Building, and shall be received by the Committee.

E-mail : slsuprocurement@slsu.edu.ph

2. The SLSU reserves the right to reject any or all quotations and/or proposals and waive any formalities/ informalities therein and to accept such bids it may consider as most advantageous to the agency and to the government. Southern Luzon State University SLSU neither assumes any obligation for whatsoever losses that may be incurred in the preparation of bids, nor does it guarantee that an award will be made.


MARIDEL C. ZABELLA
Head, Procurement Office
Southern Luzon State University
Lucban, Quezon
Tel. No.: (042)540-6519

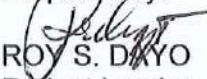
Procurement of LED lamps (GPL IL 300 DRB L250 200- 400V G3.1 S) for Research Project between SLSU- Tiaong and Bukid Amara entitled, "Influence of Supplemental Lighting on the Optimum Growth of Japanese Melon (*Cucumis melo* cultivar earls muskmelon)

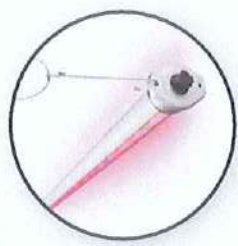
Description

LED lamps (GPL IL 300 DRB L250 200- 400V G3.1 S) High Output (HO) 200- 400V

	2.0 m	2.5 m
Length	1.95m / 76.7 in	2.42m/ 95.3 in
Width	6.5 cm / 2.6 in	6.5 cm /2.6 in
Height	7.6 cm/ 3.0 in	7.6 cm/ 3.0 in
Weight	2.2kg / 4.9 lb	2.5 kg/ 5.5 lb
Input voltage	200 -400V	
Beam angle	Bi- directional 120 degree	
L90	36,000 hrs	
L70	50,000 hrs	
Warranty	5 years limited	
UL/ CSA rated	damp/wet	
IP rating	IP66	
Ambient operating temp.	0 deg. C min./ 40 deg. C max. 40 deg. F min./ 104 deg. F max.	
Frequency	50/60 Hz	
Power factor	>0.90	
Total harmonic distortion	<10%	

Prepared by:


ROY S. DAYO
 Project Leader



Philips GreenPower LED Interlighting 3.1 & 3.2

Length Width Height Weight	2.0 m 1.95 m • 76.7 in 6.5 cm • 2.6 in 7.6 cm • 3.0 in 2.2 kg • 4.9 lb	2.5 m 2.42 m • 95.3 in 6.5 cm • 2.6 in 7.6 cm • 3.0 in 2.5 kg • 5.5 lb	Input voltage Beam angle L90 L70 Warranty UL/CSA rated	200V – 400V Bi-directional 120° 36,000 hrs 50,000 hrs 5 year limited Damp/wet	IP rating Ambient operating temp Frequency Power factor Total harmonic distortion	IP66 0° C Min. • 40° C Max 40° F Min. • 104° F Max 50/60 Hz > 0.90 < 10%
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3.1 High Output (HO) 200V – 400V

Description	12 NC	Power (W)	Amps 208V	Amps 240V	Amps 277V	Amps 347V	Photon Flux $\mu\text{mol/s}$	Efficacy $\mu\text{mol/J}$
GPL IL 300 DRB L250 200-400V G3.1 S NA	9290 021 00154	92	0.44	0.38	0.33	0.26	300	3.3
GPL IL 240 DRB L200 200-400V G3.1 S NA	9290 021 00155	74	0.36	0.31	0.27	0.21	240	3.2

3.2 Extra High Output (EHO) 277V – 400V

Description	12 NC	Power (W)	Amps 277V	Amps 347V	Photon Flux $\mu\text{mol/s}$	Efficacy $\mu\text{mol/J}$
GPL IL 440 DRB L250 277-400V 3.25 NA	9290 021 00644	126	0.46	0.36	440	3.5
GPL IL 350 DRB L200 277-400V 3.25 NA	9290 021 00646	100	0.36	0.29	350	3.5

July 2022

Procurement of UV-C lamp and accessories for powdery mildew for Research Project between SLSU- Tiaong and Bukid Amara entitled, "Influence of Supplemental Lighting on the Optimum Growth of Japanese Melon (*Cucumis melo* cultivar earls muskmelon)

UV-C Specification

Product Data

General Information

Number of light sources	1 pc
Number of gear units	1 unit
Gear	HFP (HF performer)
Optic type	-
Luminaire light beam spread	-
Control interface	-
Connection	screw connection block e-pole
Cable	-
Protection class IEC	Safety class 1
Glow- wire test	temperature 650 degree C, duration 30
s	
Flammability mark	-
CE mark	CE mark
ENEC mark	-
Warranty period	1 year
Number of products on MCB og 16 A type B	28
EUroHS compliant	yes

Operating and electrical

Input voltage	223 -240 V
Input frequency	53 or 60 Hz
Inrush current	18A
Inrush time	0.25 ms
Power factor (min)	0.95

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing material	steel
Reflector material	aluminum
Optic material	aluminum
Mounting device	surface and suspended(asymmetric/ symmetric)
Numerator-Quantity per pack	1
Numerator- Packs per outer box	6
Material Nr (12NC)	911401524571
Net weight (piece)	1.366kg.
Overall length	1230 mm
Overall width	162 mm
Overall height	80 mm
Color	white and black

Approval and application

Ingress protection code
Mechanical Impact protection code

IP20 (Finger- protected)
IK02 (0.2 J Standard)

UV

UV-C radiation	12.5W
UV-C irradiance defined at 0.2m	57.6 uW/cm2

Initial Performance (IEC Compliant)

Initial input power	36W
Power consumption tolerance	+/- 10%

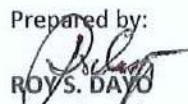
Application conditions

Ambient temperature range	-10 to +45 degree C
Performance ambient temperature	25 degree C
Maximum dim level	not applicable
Suitable random switching	No

Product Data

Full product code	911401524571
Order product name	TMS160C 1X36W TUV SL/ 6R
Order code	911401524571

Prepared by:


ROY S. DAYO
Project Leader



UVC Disinfection Batten

TMS160C 1X36W TUV SLV/6 R

1 pc - 223 to 240 V - 53 or 60 Hz - Safety class I - Finger-protected - 0.2 J standard

The UV-C batten is designed for the disinfection of surfaces and is suitable for a wide range of applications. The UV-C batten provides universal UV-C irradiance with homogenous distribution. Its disinfection capability is based on wattage used and a specific exposure time for a given distance from that surface. No person should be present at the time of usage, due to high risk of harm to eyes and skin. The performance is enhanced by a highly-reflective and durable aluminum body, which improves its efficacy even further and directs the UV-C light to the to-be-irradiated surfaces. The lamp holders and end caps are protected against UV-C thanks to dedicated shielding. There is a 1- and 2-lamp version available, for both the bare batten and reflector batten. This offers even a greater flexibility.

UVC Disinfection Batten

Warnings and Safety

- **DANGER:** Risk Group 3 UV product. Like any disinfection system, UV-C devices must be installed and used in the correct way. Direct exposure to UV-C can be dangerous and result in a sunburn-like reaction to the skin and serious damage to the cornea. As UV-C is invisible to the eye, the UV-C batten must be installed with adequate safeguards to ensure that the UV-C batten can be operated in a safe way. The UV-C battens are only to be used as components in a system that consists of adequate safeguards such as, but not limited to, those indicated in the mounting instruction and/or user manual.
- Philips UV-C products must only be sold through qualified partners and installed by professionals according to our stringent safety and legal requirements. Our UV-C products are not meant to be used in applications or activities which may cause and/or lead to death, personal injury and/or damage to the environment.
- The UV-C battens' effectiveness in the inactivation of certain viruses, bacteria, protozoa, fungi or other harmful micro-organisms is as described under "Benefits". Signify and its group of companies do not promise or warrant that the use of UV-C battens will protect or prevent any user from infection and/or contamination with any harmful micro-organisms, illness or disease. The UV-C battens are not approved for, are not intended and must not be used as medical devices, as such term may be defined under the applicable laws of the countries in which the battens are made available. In addition to and without limitation of any exclusions or limitations of liability of Signify and its group of companies as set forth in any agreement for sale, distribution or otherwise making available of the UV-C battens, Signify and its group of companies shall have no responsibility or liability whatsoever for any claim or damage that may arise from or relate to any use of the UV-C battens outside of their intended use or contrary to their installation and operation instructions, each as described under "Application", the user manual and/or the mounting instruction.

Product data

General information

Number of light sources	1 pc
Beam angle of light source	- °
Number of gear units	1 unit
Gear	HFP [HF Performer]
Optic type	-
Luminaire light beam spread	-
Control interface	-
Connection	Screw connection block 3-pole
Cable	-
Protection class IEC	Safety class I
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	-
CE mark	CE mark
ENEC mark	-
Warranty period	1 years
Number of products on MCB of 16 A type B 28	
EU RoHS compliant	Yes

Operating and electrical

Input Voltage	223 to 240 V
Input Frequency	53 or 60 Hz
Inrush current	18 A
Inrush time	0.25 ms
Power Factor (Min)	0.95

Controls and dimming

Dimmable	No
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Mechanical and housing

Housing Material	Steel
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Reflector material	Aluminum
Optic material	Aluminum
Mounting device	Surface & Suspended (Asymmetric/ Symmetric)
Overall length	1230 mm
Overall width	162 mm
Overall height	80 mm
Color	White and black

Approval and application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

UV

UV-C radiation	12.5 W
UV-C irradiance defined at 0.2m	57.6 µW/cm²

Initial performance (IEC compliant)

Initial input power	35 W
Power consumption tolerance	+/- 10%

Application conditions

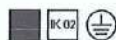
Ambient temperature range	-10 to +45 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	No

Product data

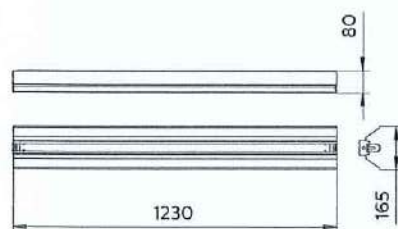
Full product code	911401524571
Order product name	TMS160C IX36W TUV SLV/6 R
Order code	911401524571

UVC Disinfection Batten

Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	911401524571
Net Weight (Piece)	1.366 kg



Dimensional drawing



TMS160C 1X36W TUV SLV/6 R

