






DATA SHEET FOR LIGHTING FIXTURES

HP02-00-EL-DAS-0004

A	6-Nov-23	Issue for Review		N.M.A	N.T.T	N.T.S	V.L.T
REV. NO.	DATE	DESCRIPTION		PREP'N	CHECK	REVIEW	APPROVAL
REV. NO.	DISCIPLINE	PREPARATION	CHECK	REVIEW		APPROVAL	
A	ELECTRICAL						
		N.M.A	N.T.T	N.T.S		V.L.T	

CLIENT:	TOP SOLVEN (VIETNAM) LIMITED LIABILITY COMPANY	DOC. NO:	HP02-00-EL-DAS-0004
PROJECT:	HAI PHONG 2 PROJECT	REV. NO:	A
LOCATION:	DVIZ - HAI PHONG	PAGE:	2 OF 2

EXPLOSION-PROOF LIGHTING FIXTURES	
I	GENERAL
1	Device & model: (VTC)
2	Manufacturers: (VTC)
3	Country of Origin: (VTC)
II	SERVICE CONDITION
1	Hazardous Area Classification: Zone 2, IIA, T4
2	Max ambient Air Temp (outdoor): 40°C
3	Min ambient Air Temp (outdoor): -5°C
4	Relative Humidity: 90%
5	Attitude: 1000m
III	CONFIGURATION
1	Type: Explosion-proof, lighting fixtures (Outdoor)
2	Quantity: The quantity of Lighting Fixtures are stated in MTO
3	Lamp: LED
4	Power consumption: 18W x 2
5	Main supply: 110-265V AC, 50/60 Hz
6	Power factor: >0.9
7	Color temperature: 4000-5400K
8	Color Rendering Index: > 70
9	Light Color: Natural White (NW)
10	Material: - Enclosure: FRP polyester - Glass tube: Polycarbonate
11	Lifetime: 50,000 hours
12	Mounting Type: Poly type c/w all Mounting accessories
13	Ingress protection: Min. IP65
14	Hazardous area: Zone 2, Ex 'de', IIA, T4
15	Luminous flux: 2600lm
16	Light efficacy: >65lm/W
17	Dimensions: 1380 x 134 x 222 mm (VTA)
18	Certifications: ATEX comply IEC 60079 or equivalent
19	Cable entry size: 2 X M20 Threaded Gland Entries C/W Ex 'd' Certified Plugs
20	Terminal block: Suitable for 3c x 4mm ² max. Conductor with Loop wiring (Loop in, Loop out)
21	Apply location: Pump station, Tank farm area
IV	PICTURE
<p>Installation: hazardous areas - Zone 1 / 2 (Gases) - Zone 21 / 22 (Dusts) Classification: Group II - Category 2G 2D</p> 	
V	OTHER REQUIREMENTS
1	All Cable glands shall be fitted a suitably size PVC or PCP shroud
2	Lighting Fixtures shall be completed with poly mounting accessories
3	Certificate for Hazardous area shall be provided by third party
4	The contractor and related parties must re-check the suitability of equipment and materials for the project before placing an order or construction.
5	VTC = VENDOR TO CONFIRM, VTA = VENDOR TO ADVISE