Base Load Power Hub (BLPH)

Technical Data Sheet (TDS) for Lighting Fixtures & Accessories

Document Number: 123A90-DDL-EL-DS-20064

Document Class: 2

01	06-08-2024	Accepted for Construction (AFC)	NLK	FMA/AMA	FPA/DLO
00	26-04-2024	Issue for Review (IFR)	SPS	FMA/AMA	FPA/DLO
Rev.	Date	Description	Prepared	Reviewed	Approved

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Revision / Change Log

Rev.	Description
00	ISSUE FOR REVIEW (IFR)
01	ACCEPTED FOR CONSTRUCTION (AFC)

HOLDS LIST

No.	Description
1.	
2.	
3.	
4.	

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REFERENCE DOCUMENT AND STANDARD:

1)	Electrical Typical Installation Details Lighting System	Doc. No. 123A90-DDL-EL-DD-20091
2)	Lighting & Socket Layout - Top Deck	Doc. No. 123A90-DDL-EL-DL-20118
3)	Lighting & Socket Layout - Lower Deck	Doc. No. 123A90-DDL-EL-DL-20119
4)	Lighting & Socket Layout - Below Lower deck	Doc. No. 123A90-DDL-EL-DL-20120
5)	Lighting Calculation Study Report	Doc. No. 123A90-DDL-EL-RE-20153

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Row	Data Sheet for Lighting Fixtures & Accessories				Rev.
1	General				
2		Required	Manufacturer Proposal	Comments	
3	Manufacturer	by Vendor	CORTEM		01
4	Order Status	for Purchase			00
5	General - Electrical Input Data				
6	System Voltage	230 V ac	220-240Vac		01
7	Voltage Variation (Steady State)	±5 %			00
8	Rated Frequency	50Hz	50/60Hz		01
9	Frequency Variation (Steady State)	±2 %			00
10	Number of Phases	1ph + neutral TN-S system			00
11	Installation conditions				
12	Ambient Temperature	-8.4°C to +25°C			00
13	Relative humidity (%)	Maximum 95 %			00
14	Atmosphere	Marine Offshore-fixed			00
15	Altitude > 1000 m (m)	not more than 1000 m			00

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Row	Data Sheet for Lighting Fixtures & Accessories				Rev.
1	42W LED Linear Luminaire-Normal Lighting-Safe Area				
2	Item	Required	Manufacturer Proposal	Comments	
3	Model Number	by vendor	LIFEX-ME-0645-BB		01
4	Serial Number	by vendor			00
5	Quantity	29 Nos.		(20+9 Spare)	01
6	Location / Module	Lower deck			01
7	**LED Lamp**				
8	Nominal power	42 watts	45 watts		01
9	No. of linear	1	1		01
10	Luminous flux	5810 lm	6200 lm		01
11	Colour Temperature	5000 K	5000 K		01
12	**Protection**				
13	Hazardous Area Certification (Ex)	Safe area	Ex II 2GD Ex db eb mb IIC Gb Ex tb IIIC Db		01
14	Degree of Protection (IP)	IP 56	IP 66		01
15	ATEX certified	Not required	ATEX CML 20 ATEX 3018X	Will be used ATEX even in safe area	01
16	**Material**				
17	Body	GRP/Aluminium alloy	Aluminium alloy		01
18	Reflector	GRP/Aluminium	Aluminium		01
19	Diffuser	Polycarbonate/temperate glass	Tempered glass		01
20	**Cable Entry**				
21	No. of cable entry	4 Nos.	4 Entries, 2 per side		01
22	Size	M20	Ø20.5mm		01
23	**Emergency Battery Pack**				
24	Requirement	Not required			00
25	Battery type	Not required			00
26	Autonomy	Not required			00
27	Emergency luminous flux	Not required			00
28	**Mechanical parameters**				
29	Dimension	by vendor	600x105x120(mm)		01
30	Weight	by vendor	2.5kg		01

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Row	Data Sheet for Lighting Fixtures & Accessories				Rev.
1	42W LED Linear Luminaire-Normal Lighting-ATEX Area				
2	Item	Required	Manufacturer Proposal	Comments	
3	Model Number	by vendor	LIFEX-ME-0645-BB		01
4	Serial Number	by vendor			00
5	Quantity	28 Nos.		(25+3 Spare)	01
6	Location / Module	Upper deck			00
7	**LED Lamp**				
8	Nominal power	42 watts	45 watts		01
9	No. of linear	1	1		01
10	Luminous flux	5810 lm	6200 lm		01
11	Colour Temperature	5000 K	5000 K		01
12	**Protection**				
13	Hazardous Area Certification (Ex)	Zone 1 Gas Group IIC (or) IIB + H2, T1	Ex II 2GD Ex db eb mb IIC Gb Ex tb IIIC Db		01
14	Degree of Protection (IP)	IP 56	IP 66		01
15	ATEX certified	Classification EX db	ATEX CML 20 ATEX 3018X		01
16	**Material**				
17	Body	GRP/Aluminium alloy	Aluminium alloy		01
18	Reflector	GRP/Aluminium	Aluminium		01
19	Diffuser	Polycarbonate/temperate glass	Tempered glass		01
20	**Cable Entry**				
21	No. of cable entry	4 Nos.	4 Entries, 2 per side		01
22	Size	M20	Ø20.5mm		01
23	**Emergency Battery Pack**				
24	Requirement	Not required			00
25	Battery type	Not required			00
26	Autonomy	Not required			00
27	Emergency luminous flux	Not required			00
28	**Mechanical parameters**				
29	Dimension	by vendor	600x105x120(mm)		01
30	Weight	by vendor	2.5kg		01

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Row	Data Sheet for Lighting Fixtures & Accessories				Rev.
1	45W LED Linear Luminaire-Emergency Lighting-ATEX Area				
2	Item	Required	Manufacturer Proposal	Comments	
3	Model Number	by vendor	LIFEX-ME-1260N-BB		01
4	Serial Number	by vendor			00
5	Quantity	78 Nos.	78 Nos	(69+9 Spare)	01
6	Location / Module	Lower deck/Upper deck/ Below lower deck			00
7	**LED Lamp**				
8	Nominal power	45 watts	60 watts		01
9	No. of linear	1	1		01
10	Luminous flux	5810 lm	6200 lm		01
11	Colour Temperature	5000 K	5000 K		01
12	**Protection**				
13	Hazardous Area Certification (Ex)	Zone 1 Gas Group IIC (or) IIB + H2, T1	Ex II 2GD Ex db eb mb IIC Gb Ex tb IIIC Db		01
14	Degree of Protection (IP)	IP 56	IP 66		01
15	ATEX certified	Classification EX db	ATEX CML 20 ATEX 3018X		01
16	**Material**				
17	Body	GRP/Aluminium alloy	Aluminium alloy		01
18	Reflector	GRP/Aluminium	Aluminium		01
19	Diffuser	Polycarbonate/temperate glass	Tempered glass		01
20	**Cable Entry**				
21	No. of cable entry	4 Nos.	4 Entries, 2 per side		01
22	Size	M20	Ø20.5mm		01
23	**Emergency Battery Pack**				
24	Requirement	Required			00
25	Battery type	NiCd internal battery, gas-tight	Ni/Mh		01
26	Autonomy	180 mins.	180 min		01
27	Emergency luminous flux	1168 lm	1168 lm		01
28	**Mechanical parameters**				
29	Dimension	by vendor	1200x105x120 (mm)		01
30	Weight	by vendor	4.5kg		01

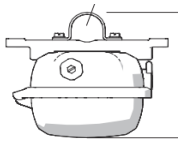
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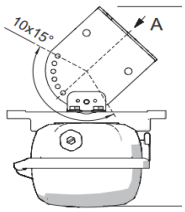
Row	Data Sheet for Lighting Fixtures & Accessories				Rev.
1	Luminaire-Accessories				
2	Item	Required	Manufacturer Proposal	Comments	
3	Model Number	by vendor			00
4	Serial Number	by vendor			00
5	**Quantity**				
6	TYPE 01-Pole fitting (2 inch pole with adjustable pole fitting)	68 Nos		(61+7 Spare)	01
7	TYPE 02-Adjustable Wall mounting bracket (10X15° adjustable upto 150°)	31 Nos	Adjustable upto 60° without accessories		01
8	**Fixing Bracket**				
9	TYPE 01-Pipe clamp fitting	by vendor			00
10	TYPE 02-Adjustable Wall mounting bracket	by vendor			00
11	**Material**				
12	Hot-dip galvanised	Required			00
13					
14					

Row	Accessories type	Code	Remarks	Rev.
15				
16				
17				
18				
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29				

Note:



TYPE 01



TYPE 02

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Row	Supplement	Rev.
1	Tag No. :	
2	Service :	
3	PURCHASE ORDER SPECIFIC REQUIREMENTS	

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