TECHNICAL DATASHEET

Weatherproof LED luminaire
ZALUX BASE | Standard

35,000 h product life

3 YEARS warranty

IP 66 | IK 08

Frequency 50/60Hz | Rated voltage 220–240V

850°C | NON-SELV

UV | +35°C -25°C

BST 1.2 37-840 ET BPC

General characteristics

- The ZALUX BASE series is an energy-efficient LED luminaire with increased impact resistance for multiple industrial lighting applications with low mounting heights where damp and dust protection is needed
- LED Module Luminaire manufactured with high quality materials for a long life product
- Extruded polycarbonate profile, with UV filter, the upper part is in grey (RAL 7035), and the bottom part is in opal PC to ensures an optimal light distribution
- Endcap in polycarbonate (PC) in grey (RAL 7046), with UV protection manufactured by injection
- Fixing springs in stainless steel for its fixing to the ceiling or suspension with the triangle

Applications recommendation

- Warehouses
- Corridors
- Parkings
- Aisles
- Utility rooms

Approvals and markings

05 CE D CB TEST HACCP RoHS

Mounting accessories

- Stainless steel fixing brackets and suspension triangles included

Mounting possibilities

Accessories (optional)

10103049	Suspension wire 2m hook and fastener
10149442	Theft protection

Product Options

- Endcaps and diffuser profile in different colors
- Through wiring

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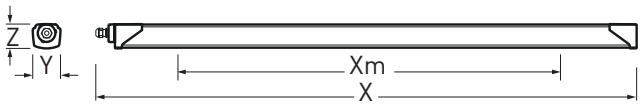
General technical data

Rated voltage range	220V–240V
Rated frequency	50Hz/60Hz
Protection class	Class I
Protection rating	IP66
Impact resistance	IK08
UV protection	Diffuser and body with UV protection
Fire protection	Flammability (UL94): V2 / Glow wire test(EN 60695-2-11): 850°C
THD	< 10%
Chemical agents resistence	See appendix
Color Rendering Index (CRI)	> 80
Type of control gear	Electronic transformer, switchable
Connection method	Terminal block and cable gland

Operating data | Dimensions

Designation	Special features	Luminous Flux	Efficiency	Connection load	Color Temperature	X	Xm	Y	Z
		lm	lm/W	W	K	mm	mm	mm	mm
BST 1.2 37-840 ET BPC		3,700	115	32	4000	1213	800	76	67
BST 1.2 37-840 ET BPC 3x1,5	Through wiring	3,700	115	32	4000	1261	800	76	67
BST 1.5 55-840 ET BPC		5,500	115	47	4000	1493	1100	76	67
BST 1.5 55-840 ET BPC 3x1,5	Through wiring	5,500	115	47	4000	1541	1100	76	67



Logistical data

Designation	Order Number	L x W x H mm	Pcs./Box	Box	Groupage Pcs./Euro palett	Double pallet Pcs./Euro palett
BST 1.2 37-840 ET BPC	10170844	1330 x 85 x 75	1	1.9	171	108+108
BST 1.2 37-840 ET BPC 3x1,5	10170845	1330 x 85 x 75	1	1.9	171	108+108
BST 1.5 55-840 ET BPC	10170846	1610 x 85 x 75	1	2.3	171	108+108
BST 1.5 55-840 ET BPC 3x1,5	10170847	1610 x 85 x 75	1	2.3	171	108+108

Hint: For logistic estimations please contact our sales backoffice team

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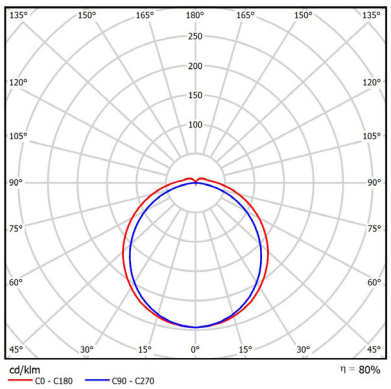
Light characteristic



BST 1.5 55 BPC ET
Other models similar distribution with different intensities

Product life

Tª Range	L Value	Lifetime
25ºC	L70	35,000 h

Conformity to standards

Electrical equipment designed to be used with certain voltage limitations

EN 60598-1	Luminaires - Part 1: General requirements and tests
EN 60598-2-1	Luminaires - Part 2: Particualr requirements. Section 1: General purpose luminaires

Electromagnetic compatibility

EN 55015	Limits and methods of measurement of radio disturbance characteristics of electric lighting and similar equipment. Characteristics of electric lighting and similar equipment
EN 61000-3-2	Electromagnetic compatibility (EMC) Part 3-2: Limits - Limits for harmonic current emissions
EN 61000-3-3	Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems
EN 61547	Equipment for general lighting purposes EMC immunity requirements
EN 62471	Photobiological safety of lamps and lamp system
EN 62493	Assessment of lighting equipment related to human exposure to electromagnetic fields

APPENDIX

Chemical Agents	Polyester	Polycarbonate	Aluminium	PMMA	Stainless steel
Acetic acid 10%	✓	✓	✓	✓	✓
Acetone	ø	x	✓	x	✓
Alcoholic beverages	✓	✓	✓	ø	✓
Aluminium sulphate	✓	✓	✓	✓	ø
Ammonia 5%	ø	x	✓	✓	✓
Aniline	ø	x	✓	x	✓
Arsenic acid 20%	ø	✓	✓	✓	✓
Benzene	x	x	✓	x	ø
Bencylic alcohol	x	x	ø	x	ø
Bromine	x	x	x	x	x
Calcium Chloride	✓	✓	✓	✓	ø
Calcium nitrate	✓	✓	✓	✓	ø
Carbon tetrachloride	x	x	✓	x	ø
Carbonic acid	✓	x	✓	x	✓
Caustic potash 5%	x	x	x	✓	ø
Cement	✓	✓	✓	✓	ø
Hydrochloric acid 1-5%	ø	✓	x	✓	x
Chlorine liquids (vapours)	x	x	x	x	ø
Chloroform	x	x	✓	x	✓
Chromic acid	x	ø	x	ø	ø
Citric acid 20%	✓	✓	✓	✓	ø
Copper sulphate	✓	✓	x	✓	ø
Diesel-naphta oil	✓	ø	✓	✓	✓
Ethyl alcohol 30%	✓	✓	✓	ø	✓
Ethyl chloride	x	x	ø	x	✓
Ethyl ether	✓	x	✓	x	ø
Food oils and fats	✓	x	✓	✓	✓
Formic acid 10%	ø	✓	x	✓	ø
Glycerine	✓	✓	✓	✓	✓
Hexane	ø	✓	✓	✓	✓
Iodine	✓	x	ø	✓	x
Isopropylic alcohol	✓	ø	✓	ø	ø
Lubricating oil	✓	✓	✓	✓	✓
Magnesium sulphate	✓	✓	✓	✓	✓
Methanol	✓	x	✓	ø	✓
Mineral oils	✓	✓	✓	✓	✓
Nitric acid 20%	x	ø	x	✓	✓
Oxygen	✓	✓	✓	✓	✓
Ozone	✓	✓	✓	✓	ø
Perchloric acid 10%	x	✓	x	✓	x
Petrol	✓	x	✓	✓	✓
Phenol	ø	x	✓	x	ø
Pothassium bromide	✓	✓	ø	✓	ø
Pothassium nitrate	✓	✓	✓	✓	ø
Pothassium permanganate	✓	✓	✓	✓	ø
Sea climate	✓	✓	ø	✓	ø
Silicon oils	✓	✓	✓	ø	✓
Soda bleach 15%	✓	x	ø	✓	ø
Sodium chloride	✓	✓	ø	✓	ø
Sodium hydroxide 5%	✓	x	x	✓	ø
Sodium sulphate	✓	✓	✓	✓	ø
Sugar	✓	✓	✓	✓	✓
Sulphur	✓	✓	✓	✓	ø
Sulphuric acid 30%	x	✓	x	✓	x
Toluene	x	x	✓	x	✓
Trichloroethylene	x	x	✓	x	ø
Zinc sulphate	✓	✓	ø	✓	ø

✓ Resistant ø Relatively resistant x Non-resistant

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