

Weatherproof LED luminaire ZALUX BASE | Standard Plus

50,000 h product life

5 YEARS
warranty

IP 66	IK 08
Frequency 0-50/60Hz	Rated voltage 220-240V
850°C	NON-SELV
UV	+35°C -25°C



BSTP 1.2 40-840 ET BPC

General characteristics

- ZALUX BASE 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.
- 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 to ensure an optimal light distribution.
- End caps in polycarbonate 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



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 in different colours
- Dimmable driver
- Through wiring

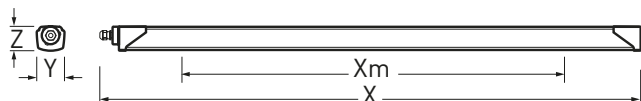
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General technical data

Rated voltage range	220V-240V
Rated frequency	0-50Hz/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 resistance	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
BSTP 0.6 21-840 ET BPC		2,100	105	20	4000	637	350	76	67
BSTP 1.2 40-840 ET BPC		4,200	115	37	4000	1213	800	76	67
BSTP 1.2 40-840 ET BPC 3x1,5	Through wiring	4,200	115	37	4000	1541	800	76	67
BSTP 1.5 60-840 ET BPC		5,700	115	51	4000	1493	1100	76	67
BSTP 1.5 60-840 ET BPC 3x1,5	Through wiring	5,700	115	51	4000	1541	1100	76	67



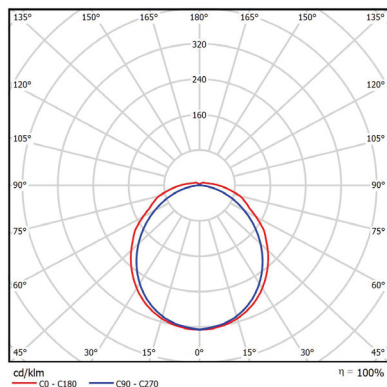
Logistical data

Designation	Order Number					
		L x W x H mm	Pcs./Box	Box	Groupage Pcs./Euro pallet	Double pallet Pcs./Euro pallet
BSTP 0.6 21-840 ET BPC	10171115	790 x 85 x 75	1	1.1	342	216+216
BSTP 1.2 42-840 ET BPC	10171116	1330 x 85 x 75	1	1.9	171	108+108
BSTP 1.2 42-840 ET BPC 3x1,5	10171117	1330 x 85 x 75	1	1.9	171	108+108
BSTP 1.5 57-840 ET BPC	10171118	1610 x 85 x 75	1	2.3	171	108+108
BSTP 1.5 57-840 ET BPC 3x1,5	10171119	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



BSTP 1.5 60 BPC ET

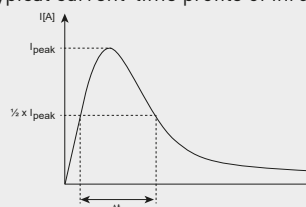
Other models similar distribution with different intensities

Circuit breaker/inrush current

Order Number	typ. $I_{peak}/\Delta t$	Number of ECGs on single-pole power circuit breakers (CB)				
		CB-Type	10 A	16 A	20 A	25 A
10171115	36 A / 150 μ s	B	15	24	30	37
		C	25	40	50	62
10171116	36 A / 150 μ s	B	15	24	30	37
		C	25	40	50	62
10171117	36 A / 150 μ s	B	15	24	30	37
		C	25	40	50	62
10171118	36 A / 150 μ s	B	15	24	30	37
		C	25	40	50	62
10171119	36 A / 150 μ s	B	15	24	30	37
		C	25	40	50	62

- Data for $U_{supply} = 230$ VAC, mains impedance = 1 Ω
- In case of multi-polar CB the maximum number is reduced by 20 %
- The max. number may differ depending on CB manufacturer. Please consider the specifications of the manufacturer.
- Basically, CB with C-characteristics are recommended to be used in lighting groups.

Typical current-time profile of inrush current



Product life

T ^a Range	L Value	Lifetime
25°C	L80	50,000 h

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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: Particular 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
Isopropyl 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