

Weatherproof LED luminaire ZALUX BASE | High Efficiency

70,000 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



BHE 1.2 40-840 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

Mounting accessories

- Stainless steel fixing brackets and suspension triangles included

Accessories (optional)

- 10103049 Suspension wire 2m hook and fastener
- 10149442 Theft protection

Applications recommendation

- Warehouses
- Corridors
- Parkings
- Aisles
- Utility rooms

Approvals and markings



Mounting possibilities



Product Options

- Endcaps and diffuser profile in different colors
- Dimmable driver
- Emergency battery
- Through wiring

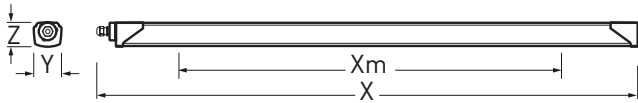
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General technical data

Rated voltage range	220V-240V
Rated frequency	0-50Hz/60Hz
Rated frequency in emergency modus	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
BHE 0.6 20-840 ET BPC		2,000	125	16	4,000	637	350	76	67
BHE 1.2 40-840 ET BPC		4,000	135	29	4,000	1213	800	76	67
BHE 1.2 40-840 ET BPC 3x1,5	Through wiring	4,000	135	29	4,000	1261	800	76	67
BHE 1.2 40-840 ET BPC EB1	Emergency Battery	4,000	135	29	4,000	1213	800	76	67
BHE 1.2 40-840 ET BPC EB3	Emergency Battery	4,000	135	29	4,000	1213	800	76	67
BHE 1.5 60-840 ET BPC		6,000	135	44	4,000	1493	1100	76	67
BHE 1.5 60-840 ET BPC 3x1,5	Through wiring	6,000	135	44	4,000	1541	1100	76	67
BHE 1.5 60-840 ET BPC EB1	Emergency Battery	6,000	135	44	4,000	1493	1100	76	67
BHE 1.5 60-840 ET BPC EB3	Emergency Battery	6,000	135	44	4,000	1493	1100	76	67



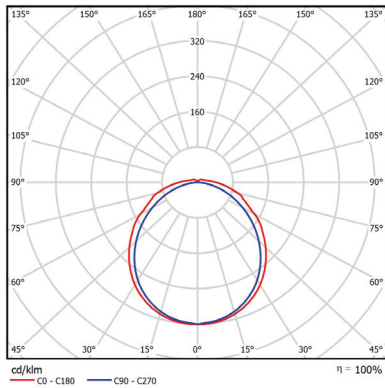
Logistical data

Designation	Order Number					
		L x W x H mm	Pcs./Box	Box	Groupage Pcs./Euro pallet	Double pallet Pcs./Euro pallet
BHE 0.6 20-840 ET BPC	10171106	790 x 85 x 75	1	1.1	342	216+216
BHE 1.2 40-840 ET BPC	10171107	1330 x 85 x 75	1	1.9	171	108+108
BHE 1.2 40-840 ET BPC 3x1,5	10171108	1330 x 85 x 75	1	1.9	171	108+108
BHE 1.2 40-840 ET BPC EB1	10171109	1330 x 85 x 75	1	2.4	171	108+108
BHE 1.2 40-840 ET BPC EB3	10171110	1330 x 85 x 75	1	2.9	171	108+108
BHE 1.5 60-840 ET BPC	10171111	1610 x 85 x 75	1	2.3	171	108+108
BHE 1.5 60-840 ET BPC 3x1,5	10171112	1610 x 85 x 75	1	2.3	171	108+108
BHE 1.5 60-840 ET BPC EB1	10171113	1610 x 85 x 75	1	2.8	171	108+108
BHE 1.5 60-840 ET BPC EB3	10171114	1610 x 85 x 75	1	3.3	171	108+108

Hint: For logistic estimations please contact our sales backoffice team

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Light characteristic



BHE 1.5 60 BPC ET

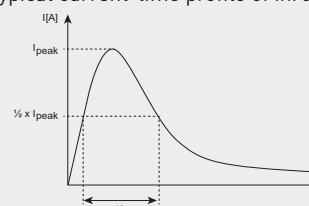
Other models similar distribution with different intensities

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
10171106	36 A / 150 μ s	B	15	24	30	37
		C	25	40	50	62
10171107	36 A / 150 μ s	B	15	24	30	37
		C	25	40	50	62
10171108	36 A / 150 μ s	B	15	24	30	37
		C	25	40	50	62
10171109	36 A / 150 μ s	B	15	24	30	37
		C	25	40	50	62
10171110	36 A / 150 μ s	B	15	24	30	37
		C	25	40	50	62
10171111	36 A / 150 μ s	B	15	24	30	37
		C	25	40	50	62
10171112	36 A / 150 μ s	B	15	24	30	37
		C	25	40	50	62
10171113	36 A / 150 μ s	B	15	24	30	37
		C	25	40	50	62
10171114	36 A / 150 μ s	B	15	24	30	37
		C	25	40	50	62

- Data for $U_{supply} = 230$ VAC, mains impedance = 1Ω
- 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



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Product life

T ^a Range	L Value	Lifetime
25°C	L80	70,000 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: 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	∅	X	✓	X	✓
Alcoholic beverages	✓	✓	✓	∅	✓
Aluminium sulphate	✓	✓	✓	✓	∅
Ammonia 5%	∅	X	✓	✓	✓
Aniline	∅	X	✓	X	✓
Arsenic acid 20%	∅	✓	✓	✓	✓
Benzene	X	X	✓	X	∅
Bencylic alcohol	X	X	∅	X	∅
Bromine	X	X	X	X	X
Calcium Chloride	✓	✓	✓	✓	∅
Calcium nitrate	✓	✓	✓	✓	∅
Carbon tetrachloride	X	X	✓	X	∅
Carbonic acid	✓	X	✓	X	✓
Caustic potash 5%	X	X	X	✓	∅
Cement	✓	✓	✓	✓	∅
Hydrochloric acid 1-5%	∅	✓	X	✓	X
Chlorine liquids (vapours)	X	X	X	X	∅
Chloroform	X	X	✓	X	✓
Chromic acid	X	∅	X	∅	∅
Citric acid 20%	✓	✓	✓	✓	∅
Copper sulphate	✓	✓	X	✓	∅
Diesel-naphta oil	✓	∅	✓	✓	✓
Ethyl alcohol 30%	✓	✓	✓	∅	✓
Ethyl chloride	X	X	∅	X	✓
Ethyl ether	✓	X	✓	X	∅
Food oils and fats	✓	X	✓	✓	✓
Formic acid 10%	∅	✓	X	✓	∅
Glycerine	✓	✓	✓	✓	✓
Hexane	∅	✓	✓	✓	✓
Iodine	✓	X	∅	✓	X
Isopropylic alcohol	✓	∅	✓	∅	∅
Lubricating oil	✓	✓	✓	✓	✓
Magnesium sulphate	✓	✓	✓	✓	✓
Methanol	✓	X	✓	∅	✓
Mineral oils	✓	✓	✓	✓	✓
Nitric acid 20%	X	∅	X	✓	✓
Oxygen	✓	✓	✓	✓	✓
Ozone	✓	✓	✓	✓	∅
Perchloric acid 10%	X	✓	X	✓	X
Petrol	✓	X	✓	✓	✓
Phenol	∅	X	✓	X	∅
Pothassium bromide	✓	✓	∅	✓	∅
Pothassium nitrate	✓	✓	✓	✓	∅
Pothassium permanganate	✓	✓	✓	✓	∅
Sea climate	✓	✓	∅	✓	∅
Silicon oils	✓	✓	✓	∅	✓
Soda bleach 15%	✓	X	∅	✓	∅
Sodium chloride	✓	✓	∅	✓	∅
Sodium hydroxide 5%	✓	X	X	✓	∅
Sodium sulphate	✓	✓	✓	✓	∅
Sugar	✓	✓	✓	✓	✓
Sulphur	✓	✓	✓	✓	∅
Sulphuric acid 30%	X	✓	X	✓	X
Toluene	X	X	✓	X	✓
Trichloroethylene	X	X	✓	X	∅
Zinc sulphate	✓	✓	∅	✓	∅

✓ Resistant ∅ Relatively resistant X Non-resistant