

BEGA Herrenbusch • D - 58708 Menden	Recessed wall luminaire IP 65 22 254	Product data sheet Project • Reference number Date
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Application
 Recessed LED wall luminaire with shielded light distribution.
 For uniform illumination of paths and surfaces. The used LED technique offers durability and optimal light output with low power consumption at the same time.

Product description

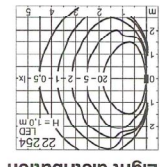
luminaire made of aluminium alloy, aluminium and stainless steel
 Matt safety glass
 Silicone gasket
 Fixing is achieved by using four adjustable wedge-shaped claws
 European patent EP 0 686 806
 Required recessed opening 230 x 230 mm
 Recessed depth 110 mm
 2 cable entries for through-wiring of mains supply cable $\varnothing$ 7 - 10,5 mm, max. 5 G 1,5²
 Connecting terminal and earth conductor terminal 2,5²
 LED power supply unit
 220-240 V $\sim$ 0/50-60 Hz
 DC 176-280 V
 DC Start > 190 V
 DALI controllable
 A basic isolation exists between power cable and control line
 Safety class I
 Protection class IP 65
 Dust-tight and protection against water jets
 Impact strength IK07
 Protection against mechanical impacts < 2 joule
 CE – Conformity mark
 Weight: 2,6 kg

Lamp
 Module connected wattage 25,3 W
 Luminaire connected wattage 30 W
 Rated temperature $t_a = 25^\circ\text{C}$
 Ambient temperature $t_{a\text{ max}} = 40^\circ\text{C}$

22 254
 Module designation LED-0503/830
 Colour temperature 3000 K
 Colour rendering index $R_a > 80$
 Module luminous flux 2950 lm
 Luminaire luminous flux 505 lm
 Luminaire luminous efficiency 16,8 lm/W

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Lifetime of the LED
 Ambient temperature $t_a = 15^\circ\text{C}$
 – at 370,000 h: L 70 B 50
 – at 50,000 h: L 90 B 10
 Ambient temperature $t_a = 25^\circ\text{C}$
 – at 50,000 h: L 90 B 10
 – at 280,000 h: L 70 B 50
 max. ambient temperature $t_a = 40^\circ\text{C}$
 – at 50,000 h: L 90 B 50
 – at 190,000 h: L 70 B 50

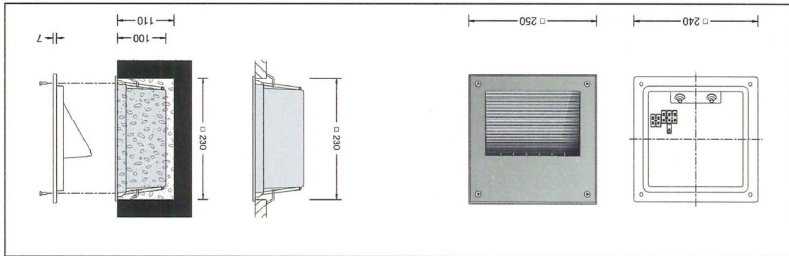


Light distribution

•AAE is the emergency type fitting of the AA fitting

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Article No. 22 254
 Colour temperature 3000 K.
 Also available with 4000 K on request.
 3000 K – article number 4000 K – article number + K4
 Colour graphite or silver
 graphite – article number silver – article number + A
Accessories
 10 490 Installation housing
 A separate instructions for use can be provided upon request.



Laser Blade InOut

october 2016

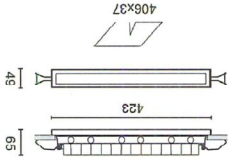
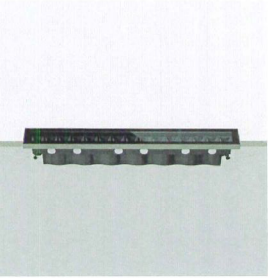
•ABE is the emergency type fitting of the AB

Laser Blade InOut

code
BX83

Technical description

Miniaturised recessed rectangular luminaire with fifteen optical elements with Neutral White LED light sources - fixed Wide Flood optic, DALI. Comprises a (round) optical compartment, frame, glass, outgoing cable and installation accessories to be ordered separately, where necessary. The optical compartment and frame are made of aluminium alloy and subjected to a multi-step pre-treatment process, the main phases of which include degreasing, fluorozirconic coating (a surface protective coat) and sealing (silane-based nanostructured coat). The successive painting phase is completed using primer and liquid acrylic paint, baked at 150°C, guaranteeing excellent resistance to atmospheric agents and UV rays. The glass-holder frame has plastic end caps. Tempered soda-lime closing glass, transparent with black screen-printing on the edge, 3mm thickness, attached to the frame with silicone. Silicone seals are placed between the glass-holder frame and the optical compartment. High-definition optic made of metallic thermoplastic, integrated into the black anti-glare screen towards the rear. Grade 304 stainless steel supporting springs. Equipped with IP65 box housing the control gear for connection. The optical compartment and control gear are connected through IP68 quick-fit connectors. All external screws are made of A2 stainless steel.



Size (mm)
423x49x65

Colour
White / Black (47) Grey / Black (74)

Weight (kg)
1,86

Mounting
ceiling recessed

Wiring info
Power supply unit inclusive of DALI electronic control gear (220-240VAC 50/60Hz) with outgoing connection cable, IP68 connectors, to be ordered separately, are available for the electrical connections.

Notes
Version with black painted frame available on request.

Complies with EN60598-1 and pertinent regulations

IK06 IP65



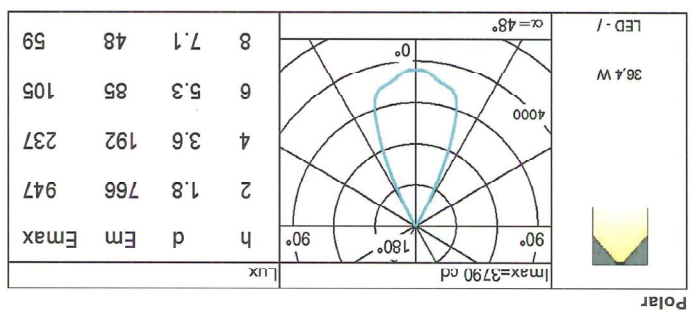
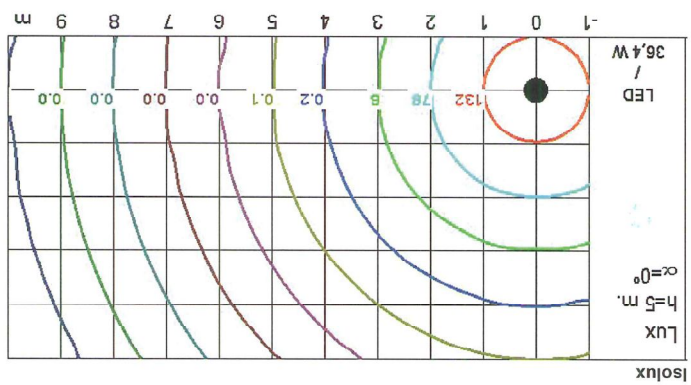
Product configuration: BX83+LED
LED: LED NEUTRAL 4000 K

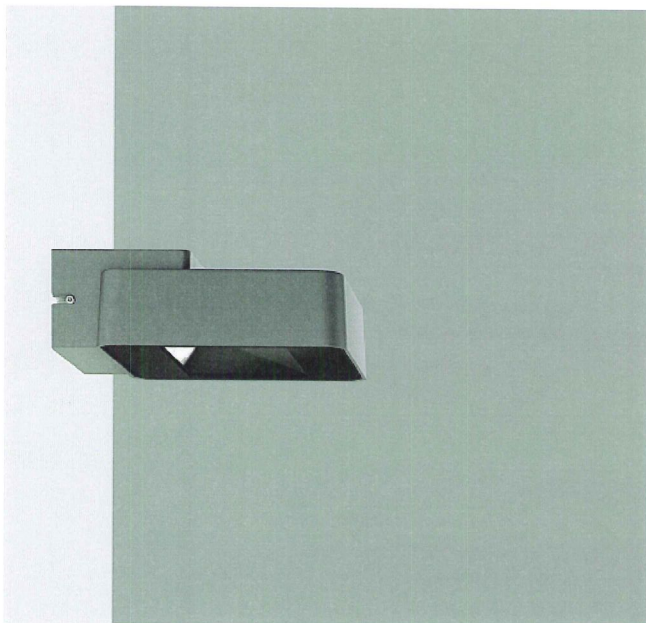
Product characteristics

Total lighting output [Lm]: 2049,8
Total power [W]: 36,4
Luminous efficacy (lm/W, real value): 56,3
Life Time: 50.000h - L90 - B10 (Ta 25°C)
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics 1

Light Output Ratio (L.O.R.) [%]: 76
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 31
Nominal luminous [Lm]: 2700
Lamp maximum intensity [cd]: /
Beam angle [°]: 48°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 5,4
Colour temperature [K]: 4000
CRI: 95
Wavelength [nm]: /
MacAdam Step: <3

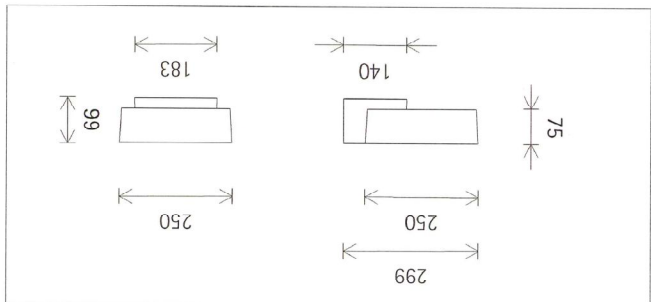
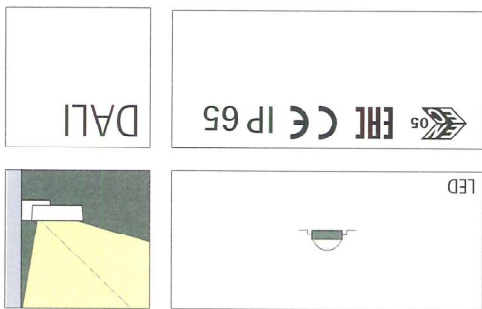
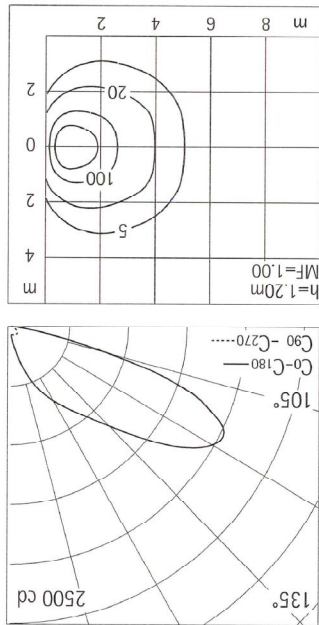




34380.000 Graphit m
LED 24W 3300lm 4000K neutral white
DALI
Version 3
Spherolite lens, wide beam

Product description

Housing and wall fixture: corrosion-resistant cast aluminium, No-Rinse surface treatment. Double powder-coated. Optimised surface for reduced accumulation of dirt. Tamper-proof screw.
DALI control gear. Two cable entries. Through-wiring possible. 5-pole terminal block.
LED module: high-power LEDs on metal-core PCB. SDCM<2. CRI>80. L80/B10 50,000h. Collimating lens made of optical polymer.
Screw-fastened cover frame with safety glass: cast aluminium, black powder-coated.
Protection mode IP65: dust-proof and water jet-proof.
Weight 6,40kg
Housing temperature 36°C
Maximum wind load area 0,07m²



Technical data
Luminous flux of the luminaires
1627lm
Connected load
28W
Luminous efficacy
58lm/W
Colour deviation
SDCM<2
Colour rendition index
CRI>80
Lumen maintenance
L80/B10 50000h
LED failure rate
0.1% 50000h
Dimming range
1%-100%
Dimming method
CCR
LMF
Energy efficiency class
EEI A++
Temperature on the light aperture
38°C

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Technical Region: 220V-240V/50Hz
We reserve the right to make technical
and design changes.
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Current version under
www.erco.com/34380.000

Planning data

D	Room dirty
N	Room normal
C	Room clean
P	Room pure
LSF	Lamp Survival Factor
LLMF	Lamp Lumens Maintenance Factor
RSMF	Room Surface Maintenance Factor
LMF	Luminaire Maintenance Factor
MF	Maintenance Factor
LMF _{RS} MF _{LL} MF _{LSF}	

IEC 62031	LED modules for general lighting – Safety specifications
IEC 62471	Photobiological safety of lamps and lamp systems
EN13032-4	Light and lighting – Measurement and presentation of photometric data of lamps and luminaires
CIE 13	Method of measuring and specifying colour rendering of light sources