



## SCS-ZM Intelligent Lighting Management and Control System

### BnY81-LED □Z Series Explosion-proof Light Fittings (Intelligent Type)

#### Technical data

#### Explosion-proof light fittings (Intelligent type) BnY81-LED □□Z

#### Explosion protection

Global (IECEX)

Gas and dust

IECEX (applied for)

Ex ec mb IIC T5/T4 Gc<sup>1)</sup>

Ex db ec mb IIC T5/T4 Gc<sup>1)</sup>

Ex tb IIIC T80°C Db<sup>1)</sup>

Europe (ATEX)

Gas and dust

ATEX (applied for)

⊕ II 3 G Ex ec mb IIC T5/T4 Gc<sup>1)</sup>

⊕ II 3 G Ex db ec mb IIC T5/T4 Gc<sup>1)</sup>

⊕ II 2 D Ex tb IIIC T80°C Db<sup>1)</sup>

<sup>1)</sup> See Selection Table P2/41

#### Certificates

#### Conformity to standards

IECEX; ATEX; CU-TR

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-18, EN 60079-31

IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-18, IEC 60079-31

#### Material

Enclosure

Diffuser

LED driver

GRP, stands 7J impact, corrosion-proof

Polycarbonate, high light transmission, stands 7J impact

Wide voltage input, CC-CV (constant current - constant voltage) output, power factor  $\geq 0.95$ , with function of distributed current, constant current, surge-proof and anti-electromagnetic interference, and protection against overcurrent, open circuit, and short circuit.

Exposed fastener

Stainless steel

#### Lamp

Lamp specification

Lamp power (W)

SMD LED

20W, 40W, 60W

#### Rated voltage

100~277V AC 50/60Hz

#### Degree of protection

IP66

#### Ambient temperature

-40°C~+60°C(+58°C)(+40°C)

#### Terminal

3×1.5~4mm<sup>2</sup> (L+N+PE)

#### Mounting

Ceiling type, pendant pole type, pendant chain type, wall type, pole type

#### Cable entries

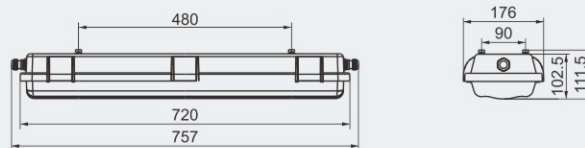
Pole type: 1×Φ26: 1×M25×1.5 cable glands (DQM-I/I Ex eb, plastic).

Other mounting methods: 2×Φ26: 2×M25×1.5 cable glands (DQM-I/I Ex eb, plastic).

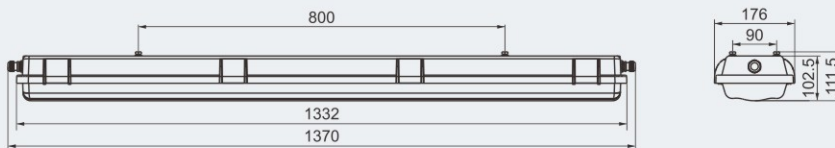
#### Available cable outer diameter

Φ9~Φ16(mm);

#### Dimension drawings (all dimensions in mm) - subject to alteration



Type I: BnY81-LED 20□Z; BnY81-LED 40□Z



Type II: BnY81-LED 60□Z

#### Detailed Parameters

Luminaire photometric curve diagram, external dimensions, installation schematic, mounting accessories, mounting components, and spare parts list are detailed on page P2/42~43.

