COPA I and COPA D
High-bay reflector luminaires

The most striking feature of these high-bay reflector luminaires is the finned surface of the upper part of the housing. With the aid of the aluminium diecasting process, the designer has integrated technology as a formal element of the luminaire design. The volume of the housing has been minimised thanks to excellent heat dissipation.

Semi-translucent reflectors made of high-quality polycarbonate allow the light source to gleam through and provide noticeable accent lighting in decorative areas.

“A practical design – today’s manufacturing methods and tomorrow’s architectural vision form the basis of the product development process for the COPA I and COPA D high-bay reflector luminaire range.”

At first glance one notices the fascinating, cool elegance of aluminium, the second thing one notices is the technology which has been left exposed. COPA I and COPA D unite technical functionality and a clear design.
COPA HIGH-BAY REFLECTOR LUMINAIRES

www.zumtobelstaff.com/copa
COPA A is designed as a compact, rugged industrial luminaire. The functional nature of this luminaire designed for high bays is underlined by the diecast aluminium housing with symmetrically arranged cooling fins. Its businesslike, technical look makes COPA A also suitable for use in areas where a plain industrial appearance is required.
COPA I. Application areas of the COPA I high-bay reflector luminaire range from production and warehouse bays through to manufacturing and sales areas and atria with ceiling heights of over 4 m.

Its high lumen output, simple installation procedure, which does not require tools, and easy electrical connections make it a quality product for all industrial applications.

COPA D. This smaller high-bay reflector luminaire is particularly suited to decorative areas such as sales areas, art galleries, foyers and corridors with a ceiling height of 3 to 4 m.

Its smaller diameter, reduced height and the use of semi-translucent plastic reflectors and innovative light sources emphasise the architectural aspects of the luminaire.

Materials. Unlike conventional high-bay reflector luminaires which are made of sheet steel, the COPA I and COPA D housing is made of aluminium. This means that the housing can be reduced to a minimum and heat dissipation can be improved. Inoxidation blasting gives the IP 20 housing a fine surface texture. The housing of the IP 54/65 version is stove enamelled in RAL 9006.

Photometrics. The use of new materials such as semi-translucent plastic reflectors enables a variety of lighting concepts to be achieved with COPA D. In addition to the version with a closed aluminium reflector, COPA D with a partly translucent reflector creates new impressions in decorative applications.

Safety. The whole COPA range of products has ENEC test certification. Depending on application, the luminaire is available with different protection ratings, for high ambient temperatures, with ballproof characteristics or accessories, thus ensuring the required degree of safety in all areas.
**Maintenance.** A high protection rating (IP 65) and use of a digital ignitors ensure particularly long intervals between maintenance operations. Re-lamping is simple and does not require the use of any tools or the dismantling of any parts.

**Safety.** The diecast aluminium housing with symmetrically arranged fins and the use of digital ignitors make the COPA A an exceptionally rugged, safe luminaire. With a toughened safety glass cover and durable sealing, it offers protection up to IP 65. The digital ignitor prevents defective lamps from flashing and interfering with radio, computer or alarm systems. COPA A meets ENEC test requirements.

**Installation.** COPA A is available as a surface-mounted or recessed version. Recessed mounting is possible using a mounting frame (accessory). The mounting bracket for direct mounting on the ceiling is preassembled and can be used for chain or cord suspension. Luminaires can be installed on sloping walls or ceilings using a special mounting bracket.

**COPA A.** Typical application areas of COPA A include industrial use in assembly and production areas, workshops, filling stations and warehouse bays. This surface-mounted high-bay reflector luminaire is also suitable for use in indoor tennis courts, sports facilities or riding areas and for lighting relatively large sales areas. Various lighting characteristics and the wide choice of lamps that can be fitted (even QL 165 W induction lamps) deliver perfect lighting in areas with ceiling heights from 4 m to 15 m. High-quality materials and digital ignitors ensure long service life and straightforward maintenance.
COPA I
High-bay reflector luminaire I
For applications areas such as production bays, warehouses, sales spaces and atriums with a ceiling height of 5–6 metres and above.

COPA D
High-bay reflector luminaire D
For applications areas such as sales spaces, exhibition halls, foyers and corridors with a ceiling height of 3–4 metres.

COPA A
High-bay reflector luminaire A
For applications areas such as warehouses, production bays and gymnasiuims with a ceiling height of 4–15 metres.
If gear units with IP 65 for high ambient temperatures are used at normal temperatures, they, too, have the **

To specify e.g.: COPA high-bay reflector luminaire IP 20 1/250 W HIE/HSE 20 969 106
COPA – structure

**Electric feed**
The gear units in the COPA I range require no additional installation effort because a 1.5 m long cable is already connected at the factory.

**IP 65 protection**
An inserted hollow-section seal in the diecast aluminium half-shell ensures protection to IP 65.

**Lamp(s)**
For HID lamp with E40 lampholder

- **HME** = high-pressure mercury-vapour lamp
- **HSE** = high-pressure sodium-vapour lamp
- **HIE** = metal halide lamp
COPA I reflector RAB

Specular reflector optic
- Reflector for 250/400 W wide-angle, 250 W narrow-beam
- Narrow-beam distribution if lampholder is adjusted on site (250 W)
- Specular reflector made of pure aluminium with integral facetted structure
- Anodised in a highly specular finish
- Fixed via keyholes at the rear of the unit
- Cover glass as accessory

COPA I Refl RAB 1/250-400, T 1/250
330/544 1.7 20 969 348

Specular reflector with glass cover combined with IP 65 gear unit has the ▼▼-rating.

Luminaires with RAB specular reflector and glass cover, and suspended from a cord or chain or installed using a wall bracket, are ballproof according to DIN18032 Part 2.

COPA I reflector RAT

Specular reflector optic
- Reflector for 400 W narrow-beam
- Specular reflector made of pure aluminium with integral facetted structure
- Anodised in a highly specular finish
- Fixed via keyholes at the rear of the unit
- Cover glass as accessory

COPA I Refl RAT 1/400
380/544 1.8 20 969 354

Specular reflector with glass cover combined with IP 65 gear unit has the ▼▼-rating.

Luminaires with RAT specular reflector and glass cover, and suspended from a cord or chain or installed using a wall bracket, are ballproof according to DIN18032 Part 2.

COPA I reflector RAN

Specular reflector optic
- Reflector for 250/400 W wide-angle, 250 W narrow-beam
- Specular reflector made of pure aluminium with smooth surface
- Anodised in a highly specular finish
- Fixed via keyholes at the rear of the unit
- Reflector only possible for open use (cover glass not possible)

COPA I Refl RAN 1/250 - 400
245/420 0.8 20 969 423

COPA I reflector RKID PMMA

Prismatic reflector
- Reflector for 250 W or 400 W, with indirect/direct light distribution
- Prismatic reflector made of PMMA
- Fixed using backplate via keyholes at rear of unit

COPA I Refl RKID 1/250 PMMA
274/411 1.3 29 928 332

COPA I Refl RKID 1/400 PMMA
341/563 3.2 29 928 348

Cover plate available on request.

To specify e.g.: COPA I reflector RAB 1/250-400, T 1/250 20 969 348
COPA HIGH-BAY LUMINAIRES

1/250 PMMA
H=274 mm / Ø=411 mm

1/400 PMMA
H=341 mm / Ø=563 mm
COPA D high-bay reflector luminaire IP 20

Gear unit IP 20
- Die-cast aluminium, untreated with fine texture
- Improved heat dissipation due to peripheral fins
- Electrical connection through cable gland on 3-pole plug-in terminal block (from factory without any cable)
- Installed using fixing components to be ordered separately
- Cable and suspension system are not included in scope of supply

<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>H/Ø</th>
<th>kg</th>
<th>Order no.</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>for TC-TEL lamps</td>
<td>1/32 W TC-TEL</td>
<td>310/140</td>
<td>1.9</td>
<td>electronic</td>
</tr>
<tr>
<td></td>
<td>1/42 W TC-TEL</td>
<td>310/140</td>
<td>1.9</td>
<td>dimmable</td>
</tr>
<tr>
<td>for HL induction lamps (incl. lamp/840)</td>
<td>1/85 W HL</td>
<td>310/140</td>
<td>2.7</td>
<td></td>
</tr>
<tr>
<td>for OT lamps</td>
<td>1/60-250 W QT 32</td>
<td>310/140</td>
<td>1.7</td>
<td></td>
</tr>
<tr>
<td>for HIE lamps</td>
<td>l.p.f.</td>
<td>310/140</td>
<td>3.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>h.p.f.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1/70 W HIE</td>
<td>310/140</td>
<td>3.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>310/140</td>
<td>4.6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>310/140</td>
<td>4.9</td>
<td></td>
</tr>
<tr>
<td>for HIT lamps (only in conjunction with cover glass)</td>
<td>l.p.f.</td>
<td>310/140</td>
<td>3.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>h.p.f.</td>
<td>310/140</td>
<td>3.4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1/150 W HIT</td>
<td>310/140</td>
<td>4.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1/150 W HIT KSP</td>
<td>310/140</td>
<td>4.8</td>
<td></td>
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<tr>
<td>for HST lamps</td>
<td>l.p.f.</td>
<td>310/140</td>
<td>3.9</td>
<td></td>
</tr>
<tr>
<td></td>
<td>h.p.f.</td>
<td>310/140</td>
<td>4.2</td>
<td></td>
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</tbody>
</table>

To specify e.g.: COPA D high-bay reflector luminaire IP 20   1/32 W TC-TEL   42 148 583

NOTE: Sometimes a glass cover must be used with metal halide lamps with ellipsoidal glass bulbs (HIE). (Refer to lamp manufacturer’s data). [SP = blocking inductor]

COPA D high-bay reflector luminaire IP 54

Gear unit IP 54
- Die-cast aluminium, stove-enamelled in RAL 9006
- Inserted hollow section rubber seal for increased protection
- Improved heat dissipation due to peripheral fins
- Electrical connection through cable gland on 3-pole plug-in terminal block (from factory without any cable)
- Installed using fixing components to be ordered separately
- Cable and suspension system are not included in scope of supply
- IP 54 and FF rating only in conjunction with aluminium reflector and glass cover

<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>H/Ø</th>
<th>kg</th>
<th>Order no.</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>for HIT lamps</td>
<td>l.p.f.</td>
<td>310/140</td>
<td>3.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>h.p.f.</td>
<td>310/140</td>
<td>3.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1/150 W HIT</td>
<td>310/140</td>
<td>4.6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1/150 W HIT KSP</td>
<td>310/140</td>
<td>4.9</td>
<td></td>
</tr>
<tr>
<td>for HST lamps</td>
<td>l.p.f.</td>
<td>310/140</td>
<td>4.0</td>
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<tr>
<td></td>
<td>h.p.f.</td>
<td>310/140</td>
<td>4.3</td>
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</tbody>
</table>

NOTE: Sometimes a glass cover must be used with metal halide lamps with ellipsoidal glass bulbs (HIE). (Refer to lamp manufacturer’s data). [SP = blocking inductor]
Reflector attachment
The aluminium reflectors are attached using screws through keyhole slots. The special screws built into the gear unit have a captive plain washer.

Always use a glass cover in the case of tubular metal halide lamps (HIT) (follow lamp manufacturer’s instructions)!

Seal ring between reflector and housing
A rubber seal ring (gasket) is fitted between the gear unit and aluminium reflector to ensure that the entire luminaire achieves the appropriate degree of protection IP 54 (COPA D) or IP 65 (COPA I).
COPA D reflector RKID

**Specular reflector optic**
- Reflector for TC-TEL compact lamps, QL induction lamps
- Plastic reflector made of polycarbonate with faceted structure
- Semi-translucent aluminised
- Visible photometrics with 97% – 98% direct light
- Fixed using “CLIX” mechanism
- Reflector optimised for coated lamps

**for TC-TEL / QL induction lamps**
<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>H/Ø</th>
<th>kg</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPA D Refl RKID 1/26-42</td>
<td>193/315</td>
<td>0.5</td>
<td>20 968 040</td>
</tr>
<tr>
<td>COPA D Refl RKID 1/85</td>
<td>193/315</td>
<td>0.5</td>
<td>20 968 056</td>
</tr>
</tbody>
</table>

COPA D reflector RKF

**Specular reflector optic**
- Reflector for TC-TEL compact lamps, QL induction lamps
- Plastic reflector made of polycarbonate with faceted structure
- 100% aluminised with a highly specular finish
- Fixed using “CLIX” mechanism
- Reflector optimised for coated lamps

**for TC-TEL / QL induction lamps**
<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>H/Ø</th>
<th>kg</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPA D Refl RKF 1/26-42</td>
<td>193/315</td>
<td>0.5</td>
<td>20 969 373</td>
</tr>
<tr>
<td>COPA D Refl RKF 1/85</td>
<td>193/315</td>
<td>0.5</td>
<td>20 968 034</td>
</tr>
</tbody>
</table>

COPA D reflector RAP

**Specular reflector optic**
- Reflector made of pure aluminium with faceted structure
- Ergonomically designed thanks to disassembly of lighting point
- Anodised in a highly specular finish
- Fixed via keyholes
- Optimised for point-shaped lamps

**for QT, HIE, HIT, SDW-T lamps**
<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>H/Ø</th>
<th>kg</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPA D Refl RAP 1/35-250</td>
<td>205/340</td>
<td>0.5</td>
<td>20 969 367</td>
</tr>
</tbody>
</table>

**NOTE:** A glass cover must always be used with metal halide lamps with tubular glass bulbs (HIT). (Requirement of the lamp manufacturer)

- Specular reflector with glass cover combined with IP 54 gear unit has the -rating.
- Luminaires with RAP specular reflector and glass cover, and suspended from a cord or chain or installed using a wall bracket, are ballproof according to DIN18032 Part 2.

COPA D reflector RKID PMMA

**Prismatic reflector**
- Reflector for all lamp types of COPA D
- Prismatic reflector made of PMMA
- Direct/indirect light distribution
- Fixed using backplate via keyholes at rear of unit
- Please note: not approved for 150 W HIT model (HIT only with PC reflector and cover panel)

<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>H/Ø</th>
<th>kg</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPA D Refl RKID 1/26-150 PMMA</td>
<td>190/315</td>
<td>0.8</td>
<td>22 055 267</td>
</tr>
</tbody>
</table>
Installation Copa I/D

- Individual suspension facility using chain, cord, pendant, wall bracket, or surface-mounting on ceiling
- COPA ZAR chain suspension bracket included in COPA I scope of supply
- Ceiling bracket and pendant suspension are unsuitable for dynamic loads or wind loads

Ceiling bracket
- ZAD V2A Fixing component ceiling 20 935 067

Chain suspension
- COPA ZAR 31 20 969 635

Cord suspension
- ASI 1000 O-L Suspension system cord 1000 mm 1000 20 934 934
- ASI 2000 O-L Suspension system cord 2000 mm 2000 20 934 956
- ASI 4000 O-L Suspension system cord 4000 mm 4000 20 936 436

Pendant suspension
- API 500 E-L RAL 9006 500 20 934 969
- API 1000 E-L RAL 9006 1000 20 934 975
- API 1500 E-L RAL 9006 1500 20 934 981
- API 2000 E-L RAL 9006 2000 20 934 997

Mounted on ZT/ZTH trunking
- ZTB-HK (For chain) 20 969 629
- ZTB-HS (For cord) 20 969 613

Auxiliary fastening device
- COPA ZB 500 20 969 657
- COPA ZB 1500 20 969 660

Feed-in ceiling rose
- PRO-BALDACHIN 20 868 728

The ceiling bracket is not designed for dynamic loads or wind loads.

To specify e.g.: COPA I/D installation ZAD V2A Fixing component ceiling 20 935 067
COPA I/D wall bracket

<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>L/W/H</th>
<th>kg</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPA D-WA</td>
<td>302/151/215</td>
<td>1.3</td>
<td>20 968 196</td>
</tr>
<tr>
<td>COPA I-WA</td>
<td>351/181/215</td>
<td>1.7</td>
<td>20 968 180</td>
</tr>
</tbody>
</table>

Fixing materials for wall-mounting not included in supply.

Accessories
- Made of 4 mm sheet steel, stove-enamelled in RAL 9006
- Two installation positions
- Fixed to wall via keyholes
- Fastening screws for attachment to the rear of the unit included in scope of supply

Dimensions for wall mounting

<table>
<thead>
<tr>
<th></th>
<th>T</th>
<th>W</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPA I RAN 1/250-400</td>
<td>334</td>
<td>580</td>
<td>80</td>
</tr>
<tr>
<td>COPA I RAB 1/250-400, T1/250</td>
<td>334</td>
<td>665</td>
<td>80</td>
</tr>
<tr>
<td>COPA I RAT 1/400</td>
<td>334</td>
<td>715</td>
<td>80</td>
</tr>
<tr>
<td>COPA D RAP 1/35-250</td>
<td>288</td>
<td>470</td>
<td>80</td>
</tr>
<tr>
<td>COPA D RKF 1/26-42, 1/85</td>
<td>288</td>
<td>458</td>
<td>80</td>
</tr>
<tr>
<td>COPA D RKID 1/26-42, 1/85</td>
<td>288</td>
<td>458</td>
<td>80</td>
</tr>
</tbody>
</table>

COPA I/D glass cover

Accessories
- Made of safety glass
- Surrounding gasket for higher type of protection (Copa I IP 65, Copa D IP 54)
- V2A catches
- Can be hinged down for relamping
- Zumtobel Staff generally recommends the use of a glass cover when using high-pressure lamps

<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>Ø</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPA D Glass AG 300 For higher protection</td>
<td>335</td>
<td>20 969 445</td>
</tr>
<tr>
<td>COPA D Glass AG 500 For higher protection</td>
<td>535</td>
<td>20 969 439</td>
</tr>
</tbody>
</table>

NOTE: Guaranteed ball proof only when used with glass covers and cord, chain or wall-bracket suspension. A glass cover must be used sometimes with metal halide lamps (HIE). (Refer to lamp manufacturer’s data.)

To specify e.g.: COPA I/D wall bracket COPA D-WA 20 968 196
COPA A surface-mounted high-bay luminaire

High bay reflector luminaire IP 65
- Housing made of die-cast aluminium, unmachined with fine texture
- Specially dimensioned reflectors for more light
- Digital igniter increases safety and maintenance intervals
- Diffuser made of safety glass
- Pre-assembled ceiling bracket for especially easy installation
- 4 fixing points are needed for a suspended luminaire
- Versatile lamp technology
- Luminaire is ballproof to DIN standard 18032 Part 2

<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>L/W/H (kg)</th>
<th>Order no.</th>
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</thead>
<tbody>
<tr>
<td>COPA A-N reflector with standard distribution (medium-angle)</td>
<td>1/165 W QL incl. lamp/840</td>
<td>42 124 881</td>
</tr>
<tr>
<td>1/250 W HME</td>
<td>580/334/260 11.4</td>
<td>122 123 049</td>
</tr>
<tr>
<td>1/250 W HME KSP</td>
<td>580/334/260 12.6</td>
<td>123 055</td>
</tr>
<tr>
<td>1/400 W HME</td>
<td>580/334/260 13.5</td>
<td>123 068</td>
</tr>
<tr>
<td>1/400 W HME KSP</td>
<td>580/334/260 13.9</td>
<td>123 074</td>
</tr>
<tr>
<td>4/32 W TC-TEL</td>
<td>580/334/260 11.1</td>
<td>124 088</td>
</tr>
<tr>
<td>4/42 W TC-TEL</td>
<td>580/334/260 11.1</td>
<td>124 097</td>
</tr>
</tbody>
</table>

COPA A recessed frame

Mounting frame
- Mounting frame made of white painted sheet steel
- For flush recess into ceiling of all COPA A models
- Frame fastened on lower ceiling via cords or threaded rods (not included in supply)
- The luminaire is installed in the frame using the two fixing brackets supplied
- Kit comprises frame, two mounting brackets and screws

<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPA A-ER Recessed frame</td>
<td>22 125 094</td>
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</table>

COPA A wall bracket

Wall bracket
- Mounting bracket made of bright 3 mm V2A steel
- Pivots through +/-90°
- Installed on luminaire using 4 screws included
- 2-point wall fixing via keyhole
- Fixing material for wall/ceiling not included in the supply

<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>L/W/H (kg)</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPA A-WA Wall bracket</td>
<td>215/180/60 1.2</td>
<td>22 125 072</td>
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</tbody>
</table>

To specify e.g.: COPA A surface-mounted high bay 1/165 W QL incl. lamp/840 42 124 881
**COPA A chain suspension**

Chain suspension
- Chain suspension bracket with V2A spring clip
- Galvanised S hook with integral sleeve for easy height adjustment
- Installed using CLIX mechanism

<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>kg</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chain suspension</td>
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<td>20 969 635</td>
</tr>
</tbody>
</table>

**Note**: Please order 4 suspension units per luminaire

**COPA A cord suspensions**

Cord suspension
- With zinc-plated steel cord, 1.8 mm diameter
- V2A spring clip
- Cord suspension length continuously height-adjustable also after installation
- Cord can be cut to length without using any special tool
- Fixed using “CLIX” mechanism

<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>kg</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cord suspension</td>
<td>0.1</td>
<td>20 934 934</td>
</tr>
<tr>
<td>ASI 1000 O-L Suspension system cord 1000 mm</td>
<td>0.2</td>
<td>20 934 956</td>
</tr>
<tr>
<td>ASI 4000 O-L Suspension system cord 4000 mm</td>
<td>0.1</td>
<td>20 936 436</td>
</tr>
</tbody>
</table>

**Note**: Please order 4 suspension units per luminaire

To specify e.g.: COPA A chain suspension COPA-ZAR 20 969 635
COPA I/D/A ZO2

COPA A ZO2

High bay reflector luminaire ZO2
• Housing made of die-cast aluminium, unmachined with fine texture
• Digital igniter increases safety and maintenance intervals
• Diffuser made of safety glass
• Pre-assembled ceiling bracket for especially easy installation
• 4 fixing points are needed for a suspended luminaire
• Luminaire is ballproof to DIN standard 18032 Part 2
• –20 °C to +40 °C

COPA I ZO2

High bay reflector luminaire ZO2
• Die-cast aluminium, stove-enamelled in RAL 9006
• Improved heat dissipation due to peripheral fins
• Inserted hollow section rubber seal for increased protection
• 1.5 m of red silicone cable 3 x 1.5 mm² inserted into gear unit
• Installed using COPA ZAR chain suspension supplied or accessories to be ordered separately
• Fitted with RAB reflector and cover glass
• –20 °C to +40 °C

COPA D ZO2

High bay reflector luminaire ZO2
• Die-cast aluminium, stove-enamelled in RAL 9006
• Inserted hollow section rubber seal for increased protection
• Improved heat dissipation due to peripheral fins
• Electrical connection through cable gland on 3-pole plug-in terminal block (from factory without any cable)
• Installed using fixing components to be ordered separately
• Fitted with RAP reflector and cover glass
• –20 °C to +40 °C

To specify e.g.: COPA A ZO2  1/165 W QL ZO2 IP65 EEx na II 3G T4  42 127 779

Cat. no.  kg  Order no.
surface-mount. high-bay luminaire IP65
1/165W QL ZO2 IP65 EEx na II 3G T4  11.4  42 127 779
1/250W HIT/HST KSP ZO2 IP65 EEx na II 3G T3  14.4  32 127 752
4/42W TC-TEL ZO2 IP65 EEx na II 3G T5  11.1  42 127 763

rotationally symmetrical IP65 high-bay refl. luminaire
1/250W HIE/HSE KSP ZO2 IP65 EEx na II 3G T4  7.3  32 127 985
1/400W HIE KSP ZO2 IP65 EEx na II 3G T4  7.7  32 127 991

rotationally symmetrical IP54 high-bay refl. luminaire
1/42W TC-TEL ZO2 IP54 EEx na II 3G T6 h.f. electronic ballast  3.2  42 065 227
1/70W HIT KSP ZO2 IP54 EEx na II 3G T5  3.1  32 065 204
1/150W HIT KSP ZO2 IP54 EEx na II 3G T5  4.6  32 065 213

ZUMTOBEL
COPA HIGH-BAY REFLECTOR LUMINAIRE
Planning guidelines

COPA D RKF/RKID plastic reflector with TC-TEL or QL light source

Correction factors:
- Dark room: 1.1
- Room height 5 m: 1.2
- Floor area ≤ 50 m²: 1.2
- Floor area > 50 m²: 1.1
- Room height 6 m: 1.4
- Floor area ≤ 50 m²: 1.4
- Floor area > 50 m²: 1.2

Adequate uniformity with row spacings up to 5.6 m (TC-TEL) and 5.1 m (QL).

COPA D RAP aluminium reflector with HIT or CDM-T light source

Correction factors:
- Dark room: 1.1
- Room height 5 m: 1.2
- Floor area ≤ 50 m²: 1.2
- Floor area > 50 m²: 1.1
- Room height 6 m: 1.4
- Floor area ≤ 50 m²: 1.4
- Floor area > 50 m²: 1.2

Adequate uniformity with row spacings up to 4.4 m.

COPA I RAB/RAN aluminium reflector with HSE/HIE light source

Correction factor:
- Dark room: 1.1

Adequate uniformity with row spacings up to 9.5 m/6.2 m (RAB/RAT) and up to 10.5 m (RAN)
Throughout the world, Zumtobel Staff is the competent reliable partner for innovative lighting solutions in all areas of application of professional interior lighting:

- **Industry and Engineering**
- **Sport and Leisure**
- **Transit areas and Car parks**
- **Offices and Administration**
- **Presentation and Retail**
- **Hotels and Catering**
- **Art and Culture**
- **Health & Care**
- **Safety and Confidence**
- **Active Light**

With production plants in Austria, Germany, Australia and the USA, and sales organisations in all major European markets as well as commercial agencies in most regions of the world, Zumtobel Staff is one of the biggest international enterprises in the lighting sector.

As a leader in innovation, we guarantee our customers global competence in lighting consulting and design assistance, superior product quality and future-proof technologies – from individual luminaires to electronic lighting management systems.

**Corporate goal:** We want to use light to create worlds of experience, make work easier and improve communications and safety while remaining fully aware of our responsibility to the environment.
COPA
High-bay luminaires

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