

OREX 2

High bay lighting specific for explosive environments

Zone 2, 21



Superior view

| | | | | | | | | | | | |
|-------------|----------------|---------------|------|--------|-----------------------|---------|------------------|---------------|-----------|------------------|----------------|
| POWER PLANT | PETROL STATION | TYRES STORAGE | > 8m | INDOOR | OUTDOOR UNDER SHELTER | OUTDOOR | CEILING MOUNTING | WALL MOUNTING | SUSPENDED | 5 YEARS warranty | +75°C -32°C |
|-------------|----------------|---------------|------|--------|-----------------------|---------|------------------|---------------|-----------|------------------|----------------|

Benefits

- High bay ready for hazardous environments with up to 40,500 lm.
- Suitable for outdoor.
- Extreme resistance to weather and tough industrial conditions thanks to its glass cover and aluminium housing.
- Wide temperature range, from -32°C up to 75°C.
- Several accessories to improve the installation.

Characteristics

| | | | | | |
|----------|-------|---------------------|--|----------|--|
| IP 66/67 | IK 10 | Frequency 0-50/60Hz | Rated voltage 90-305 VAC / 140-250 VDC | NON-SELV | |
|----------|-------|---------------------|--|----------|--|

Mechanical characteristics

| | |
|-------------|---|
| Housing | Copper-free casing aluminium alloy with surface protected against impacts and corrosive environments Yellow RAL 1003 Grey RAL 7035 optional |
| Diffuser | Hardened glass |
| Cable entry | Cable gland M20x1.5 |
| Eyebolt | Stainless steel |

Functional characteristics

| | |
|----------|--------------------|
| Lifetime | L80 90.000 at 25°C |
|----------|--------------------|

Compliance

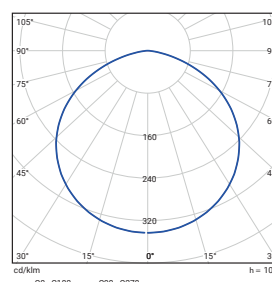


Electrical characteristics

| | |
|------------------|--|
| Connection | Cable gland with 0.25M external cable 3/5 poles. Cable gland with external junction box |
| Power factor | > 0.95 full load |
| THD | < 20% full load |
| Inrush current | 75A 230VAC, full load |
| Class protection | Class I |
| Rated voltage | 90-305VAC / 140-250VDC |

Photometrical characteristics

| | |
|------|-----|
| SDCM | < 3 |
|------|-----|



Explosion-proof parameters

| | |
|----------------------|--|
| ATEX/IECEx marking | Ex II 3G Ex ec op is IIC T5...T4 Gc Ex II 2D Ex tb op is IIIC T85°C...T115°C Db |
| ATEX certificate No | OBAC 21 ATEX 0135X |
| IECEx certificate No | IECEx OBAC 21.0003X |

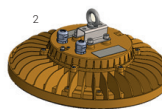
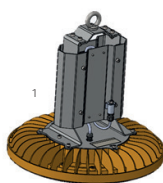
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Description

| FAMILY | DIFFUSER | DIAMETER (mm) | LUMINOUS FLUX (lm) | CRI + LIGHT COLOUR | DRIVER | EXTERNAL CONNECTION | ADDITIONAL INFORMATION |
|-------------|---------------------|--------------------------------------|--|---------------------|---|--|--|
| > OREX 2 Ex | > _: standard glass | > 39: Ø390 x 140 > 46: Ø460 x 140 | > 60: 6000 > 90: 9000 > 120: 12000 > 150: 15000 > 180: 18000 > 210: 21000 > 240: 24000 > 300: 30000 > 360: 36000 > 405: 40500 | > 840: CRI>80 4000K | > ET: non-dimmable > ETDD: DALI dimmable | > CG 0.25M: polyamide cable gland with 0.25M external cable > CG JB: polyamide cable gland with junction box attached | > HT: high temperature version with an additional heat sink ¹ |

Special options under request

| | | | | | |
|-------------------------------------|-------------------|--|---|--------------|--|
| Ask our Sales Team for more details | > G1: milky glass | > 225: 22500 > 270: 27000 > 330: 33000 > 390: 39000 | > 850: CRI>80 5000K > 830: CRI>80 3000K > 865: CRI>80 6500K | > 10V: 1-10V | > NiCG: nickel-plated brass cable gland > ACG: nickel-plated cable gland for armoured cable with special housing ² |
|-------------------------------------|-------------------|--|---|--------------|--|



Operational data

| Description | Order number | Luminous flux (lm) | Power (W) | Efficiency (lm/W) | Colour temperature (K) | CRI | Temperature range / Class ³ |
|------------------------------------|--------------|--------------------|-----------|-------------------|------------------------|-----|--|
| OREX 2 Ex 39 60-840 ET CG 0.25M | 10260352 | 6000 | 40 | 150 | 4000 | 80 | (-32°C - +60°C) / T4 |
| OREX 2 Ex 39 90-840 ET CG 0.25M | 10237739 | 9000 | 60 | 150 | 4000 | 80 | (-32°C - +60°C) / T4 |
| OREX 2 Ex 39 120-840 ET CG 0.25M | 10237740 | 12000 | 80 | 150 | 4000 | 80 | (-32°C - +60°C) / T4 |
| OREX 2 Ex 39 150-840 ET CG 0.25M | 10239093 | 15000 | 100 | 150 | 4000 | 80 | (-32°C - +60°C) / T4 |
| OREX 2 Ex 39 180-840 ET CG 0.25M | 10237741 | 18000 | 120 | 150 | 4000 | 80 | (-32°C - +60°C) / T4 |
| OREX 2 Ex 39 210-840 ET CG 0.25M | 10260353 | 21000 | 140 | 150 | 4000 | 80 | (-32°C - +55°C) / T4 |
| OREX 2 Ex 39 240-840 ET CG 0.25M | 10214982 | 24000 | 160 | 150 | 4000 | 80 | (-32°C - +55°C) / T4 |
| OREX 2 Ex 39 240-840 ET CG JB | 10226328 | 24000 | 160 | 150 | 4000 | 80 | (-32°C - +55°C) / T4 |
| OREX 2 Ex 39 240-840 ETDD CG 0.25M | 10251153 | 24000 | 160 | 150 | 4000 | 80 | (-32°C - +55°C) / T4 |
| OREX 2 Ex 46 300-840 ET CG 0.25M | 10260354 | 30000 | 200 | 150 | 4000 | 80 | (-32°C - +55°C) / T4 |
| OREX 2 Ex 46 330-840 ET CG 0.25M | 10260355 | 33000 | 220 | 150 | 4000 | 80 | (-32°C - +55°C) / T4 |
| OREX 2 Ex 46 360-840 ET CG 0.25M | 10260356 | 36000 | 240 | 150 | 4000 | 80 | (-32°C - +55°C) / T4 |
| OREX 2 Ex 46 405-840 ET CG 0.25M | 10230685 | 40500 | 270 | 150 | 4000 | 80 | (-32°C - +50°C) / T4 |

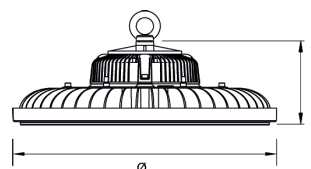
³ Higher temperature class available with limited temperature range.

High temperature version

| Description | Order number | Luminous flux (lm) | Power (W) | Efficiency (lm/W) | Colour temperature (K) | CRI | Temperature range / Class |
|-------------------------------------|--------------|--------------------|-----------|-------------------|------------------------|-----|---------------------------|
| OREX 2 Ex 39 60-840 ET CG 0.25M HT | 10260349 | 6000 | 40 | 150 | 4000 | 80 | (-32°C - +75°C) / T4 |
| OREX 2 Ex 39 90-840 ET CG 0.25M HT | 10260350 | 9000 | 60 | 150 | 4000 | 80 | (-32°C - +75°C) / T4 |
| OREX 2 Ex 39 120-840 ET CG 0.25M HT | 10260351 | 12000 | 80 | 150 | 4000 | 80 | (-32°C - +75°C) / T4 |

Dimensions and logistics

| Description | Ø | Y | | | | | | |
|-----------------|-----|-----|-----------------|------|---------|------------------|--------------------------|-----------------------------------|
| | mm | mm | L x W x H mm | Item | Pcs/Box | Box ⁴ | Groupage Pcs/Euro pallet | FTL / container Pcs/Double pallet |
| OREX 2 Ex 39... | 390 | 140 | 440 x 440 x 190 | 6.5 | 1 | 7.5 | 27 | 36 |
| OREX 2 Ex 46... | 460 | 150 | 510 x 510 x 190 | 9 | 1 | 10.5 | 24 | 32 |



Please check with our Back Office to confirm logistic data

⁴ Weight in JB version: +0.5KG

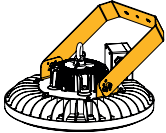
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Accessories

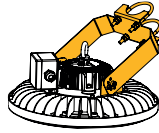
| | |
|----------|---|
| 10225339 | Bracket for wall mounting for OREX 2 Ex 39... |
| 10235495 | Bracket for wall mounting for OREX 2 Ex 39... |
| 10230424 | Bracket for tube mounting for OREX 2 Ex 39... |
| 10235496 | Bracket for tube mounting for OREX 2 Ex 46... |
| 10235494 | Quick connector PNCX |
| 10230425 | ATEX junction box 80x75x75mm |
| 10225340 | ATEX junction box 122x120x90mm |



OREX 2 39 233-840 ET CG JB 10226328



10225339 / 10235495



10230424 / 10235496



10235494



10225340 / 10230425

