

## Explosion-Protected Floodlight for Lamps up to 1000 W Series d4000...

### Applications:

Hazardous locations of zones 1, 2 and 21, 22, on- and offshore installations, loading stations, oil rigs, silos etc.

### Design:

#### Housing and glass retaining frame:

From weathering resistant cast aluminium. Lateral lockable screw cap for lamp replacement. Ballast and ignitor inside the housing.

**Condenser box:** Mounted to the back of the floodlight.

**Reflector:** Made from surface refined purest aluminium.

**Glass pane:** Tempered safety glass resistant to temperature variations, glued into the frame.

#### Connection terminals:

Standard: L1+N+PE - 2,5mm<sup>2</sup>, in case of compensated version 6mm<sup>2</sup>

#### Cable entries:

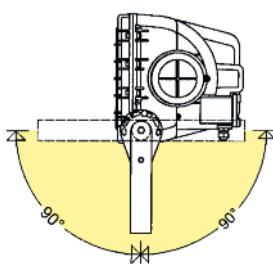
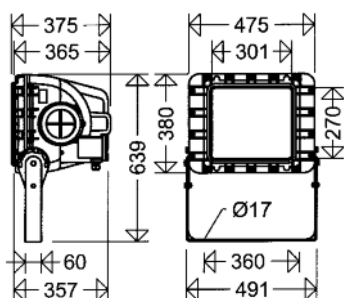
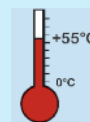
2 entries M25 x 1,5 (1 plastic gland + 1 plug)

**Mounting position:** Lamp orientation horizontal.

**Mechanical installation:** 1 steel bracket.

### SCHUCH Quality - your advantage:

- **robust industrial design for reliable and safe long-term use**
  - sturdy and corrosion-resistant housing made of cast aluminium
  - all outer screws and bolts made of stainless steel
  - solid, shock and temperature resistant safety glass pane
- **easy to install and to maintain**
  - easy installation and lamp replacement through screw cap
  - continuously adjustable tilt angle
- **for applications in different ambient conditions**
  - for various lamp types (metal halide-, sodium discharge-, mercury vapour-, halogen lamps)
  - for lamps from 250W to 1000W
  - for 120V, 220V, 230V, 240V and 255V
  - **ATEX**-certified for gas and dust hazardous areas (Zones 1, 21 and 2, 22) and explosion group II C
  - wide range of admissible ambient temperatures -20°C up to +55°C



Swivel range: ± 90°



### EC-Type Examination Certificate:

PTB10 ATEX 1001X

### Marking:

II 2 G Ex db eb IIC T4,T3,T2 (Zone 1)

II 2 D Ex tb III C IP66/67 T140-270°C (Zone 21)

Ignition protection: d (flameproof enclosure)

### Admissible ambient temperature:

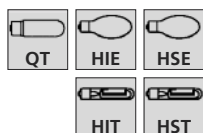
-20°C up to +40°C/+55°C

### Rated voltage:

Standard:

230V, 50 Hz;

220V or 240V, 50/60Hz



Type	Article no.	Temp. class	Lamps Watt	Weight ca. kg <sup>4)</sup>
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### for tungsten halogen lamps up to 1000W, socket E40

d4000/500 QT 40000 0011 T3 1 x QT38 500 W<sup>3)</sup> 33,0

d4000/1000 QT 40000 0012 T2 1 x QT38 1000 W<sup>3)</sup> 33,0

### for high pressure discharge lamps, socket E40

d4000/250 HI/HS 40000 0003<sup>1)</sup> T4 1 x HIE/HIT/HSE/HST 250 37,0

1 x HIT-CE 250

d4000/400 HI/HS 40000 0005<sup>1)</sup> T3 1 x HIT/HST 400 38,2

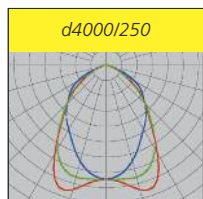
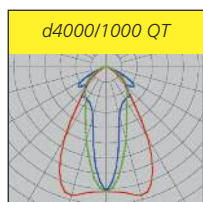
d4000/600 HS 40000 0009<sup>1)</sup> T3 1 x HST 600<sup>2)</sup> 40,6

1) uncomp., article no. for comp. (with condenser box m 4015) see price list

2) OSRAM VIALOX NAV-T600 SUPER or PHILIPS SON-T 600

3) PHILIPS IDE

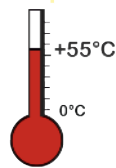
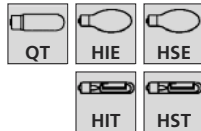
4) Weights without packing material





**d4000... H55** II 2 G Ex db eb IIC T4,T3,T2 II 2 D Ex tb IIIC T140-270°C IP66/67

for high ambient temperatures up to +55°C



Type	Article no.	Temp. class	Lamps Watt	Weight ca. kg <sup>4)</sup>
<b>for tungsten halogen lamp, socket E40</b>				
d4000/500QT H55	40000 0111	T2	1 x QT38 500 W <sup>3)</sup>	33,0
<b>for high pressure discharge lamps up to 400W, socket E40</b>				
d4000/250HI/HS H55 <sup>2)</sup>	40000 0103 <sup>1)</sup>	T3	1 x HIE/HIT/HSE/HST 250 1 x HIT-CE 250	37,0
d4000/400HI/HS H55	40000 0105 <sup>1)</sup>	T3	1 x HIT/HST 400	38,2

1) Uncomp., article no. for comp. (with condenser box m 4015) see price list

2) Only such metal halide lamps may be used which are allowed to be operated with hpsv ballasts

3) PHILIPS IDE

4) Weights without packing material



### Further Series / Equipment

- hard-coating for very aggressive ambient conditions (QT lamp JTT of brand Eye)
- with bracket from stainless steel
- different cable glands
- 2<sup>nd</sup> cable gland for mains cable looping
- in 120V version for 300W, 500W, 1000W
- with terminals up to 6mm<sup>2</sup> in case of uncomp. version

### Accessories / Spare Parts

Type	Article no.	
<b>Cable entries / Cable glands</b>		
2537	90117 9000	Ex-protected plastic cable gland M25 x 1,5
2538	90118 9000	Ex-protected plastic plug M25 x 1,5
<b>Cable entries / Cable glands for d4000/500 QT H55 and d4000/400 HI or HS</b>		
2537 MS	90117 9001	Ex-protected brass cable gland M25 x 1,5
2594	90118 9002	Ex-protected brass plug M25 x 1,5