



The 7 Series is a 'd' certified light fitting designed for maximum light output using a wide variety of lamps, including power saving low energy compact versions. It offers the following benefits:

- Robust, long life Zone 1 fitting
- Easy access tray for fast re-lamping
- Wide range of voltage options
- Wide range of sizes
- Large range of lamp options
- IP68 versions
- Internally mounted batteries giving 3hr emergency duration
- EOL lamp protection
- 50,000 hour electronic ballast
- Compact lamp version option, more light, less space

Typical applications

Chemical sites	Offshore	Paint spray shops	Fuel storage facilities
Refineries	Marine	Grain storage	Water treatment plants
Docks / jetties	Pharmaceutical	Paper mills	Metal treatment plants

Specification & options

Specification	Details
Certification Code (Gas)	II 2 G Ex d IIB/IIC Gb T6, T5 or T4
Certification Code (Dust)	To be confirmed
Protection type	Ex d (flameproof)
ATEX type class	Group II Category 2 G
Certification standards	EN 60079, IEC 60079
Certificate(s)	SIRA01ATEX1033, IEC Ex SIR09.0029X
Suitable zoned areas	Zone 1 and Zone 2
Gas group suitability	IIA, IIB, and IIC
Material	Marine grade aluminium body with high impact polycarbonate tube
Ingress protection (IP rating)	IP66 minimum
Cable Entries	4 x M20—ISO (3 plugged) as standard. Other threads available.
Electrical connections	3 wire and earth. Cable size 4mm ² max Through wiring versions available
Control Gear	Electronic ballast
Supply voltage (s)	220-240V, 120-277V, 12V, 24V, 48V call for details of versions available
Installation / Mounting	2 x M8 tapped holes
Relamp access	Via threaded end cover and slide out tray
Weight	3kg (size1), 5kg (size2), 7kg (size4), 8kg (size5), 9kg (size6) - See over for size details

Accessories	Details
Ballast	Available for all models except non maintained emergency versions
Battery	For emergency versions
Eyebolts	For mounting fittings
Charger inverter	For emergency versions

Lamp types & 'T' ratings

Lamp Type	7 Series Standard		Certification Type
8W	T5@Ta=40°C	T4@Ta=52°C	Ex d IIC
18W	T6@Ta=40°C	T5@Ta=55°C	Ex d IIC
36W	T6@Ta=40°C	T5@Ta=55°C	Ex d IIB
58W	T6@Ta=40°C	T5@Ta=55°C	Ex d IIB
70W	T5@Ta=40°C	T4@Ta=55°C	Ex d IIB

Lamp Type	7 Series Emergency		Certification Type
8W	T5@Ta=40°C	T4@Ta=52°C	Ex d IIC
18W	T6@Ta=40°C	T5@Ta=55°C	Ex d IIC
36W	T6@Ta=40°C	T5@Ta=55°C	Ex d IIB
58W	T6@Ta=40°C	T5@Ta=55°C	Ex d IIB

Lamp Type	7 Series Compact		Certification Type
11W PL-S	T4@Ta=52°C	T5@Ta=40°C	Ex d IIC
18W PL-L	T4@Ta=52°C	T5@Ta=40°C	Ex d IIC
26W PL-C	T4@Ta=52°C	T5@Ta=40°C	Ex d IIC
36W PL-L	T5@Ta=55°C	T6@Ta=40°C	Ex d IIC
55W PL-L	T5@Ta=55°C	T6@Ta=40°C	Ex d IIC

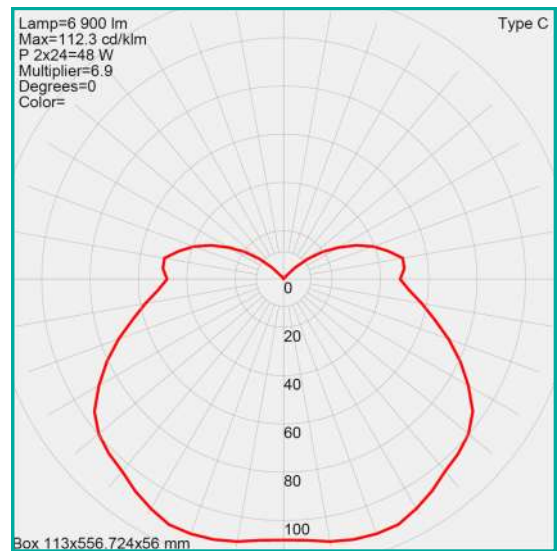
Lamp Type	7 Series Compact Emergency		Certification Type
18W PL-L	T6@Ta=55°C	T5@Ta=40°C	Ex d IIC
36W PL-L	T5@Ta=55°C	T6@Ta=40°C	Ex d IIC



Sizes & Lamp options

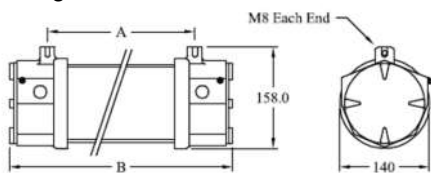
Size (see below for dimensions)	Versions *	Standard version lamp types / W	Emergency version lamp types / W	Compact version lamp types / W	Compact emergency version lamp types / W
1	S/E/C/CE	8 (S&T)**	8 (S&T)	11, 18, 26 (S&T)	18 (S)**
2	S/E/C/CE	18 (S&T)	18 (S&T)	36, 55 (S&T)	36 (S&T)
4	S/E	36 (S&T)	36 (S&T)	N/A	N/A
5	S/E	58 (S&T)	58 (S&T)	N/A	N/A
6	S	70 (S&T)	N/A	N/A	N/A

* S = Standard fitting
 E = Emergency version fitting
 C = Compact version fitting
 CE = Compact emergency version fitting
 ** (S&T) = Single and twin tube lamp options
 (S) = Single tube lamp option

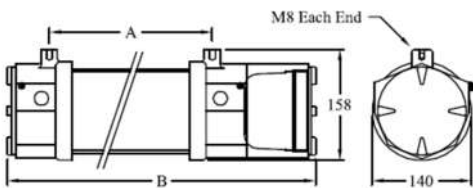


Photometric data available—contact for details

Fixing & Dimensions



Standard & Compact versions



Emergency version

Size/ft	Lamp	A /mm	B/mm	Type available
1	8W	335	448	Standard, Emergency
1	11W, 18W, 26W	335	448	Compact, Compact Emergency*
2	18W	632	752	Standard, Emergency*
2	36W, 55W	632	752	Compact, Compact Emergency*
4	36W	1242	1362	Standard, Emergency*
5	58W	1542	1662	Standard, Emergency*
6	70W	1806	1926	Standard

* add 87mm to B dimension for emergency versions

Also available from Petrel



Zone 1 Wellglass



Zone 1 Floodlight



Zone 2 Fluorescent



Industrial Bulkhead



Hazardous area control equipment

Representation worldwide

chamberlin plc

A Chamberlin plc company

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