

The Lomond Ex d fluorescent is a conventional flameproof luminaire for use with linear and compact fluorescent lamps.

Its applications are where white instant light is needed. The aluminium and glass construction is suitable for aggressive chemical environments such as paint spraying, which could otherwise attack plastics. Single and twin lamp versions can be arranged to give high glare free lighting levels.

Emergency versions are available to run single lamps up to 58W at reduced power.

The emergency version with the 8W lamp is particularly suitable for over door lighting. This is supplied as a maintained fitting as standard, a non-maintained version is available as an option

The design features a single flameproof path giving rapid access for wiring, lamp replacement and to control gear. The cable entry is the simple direct type using flameproof cable glands



### Standard Specification

### Features

Type of Protection	Ex d (flameproof), Ex dm (flameproof encapsulation) emergency version
ATEX Classification	Group II Category 2 G D
Area Classification	Zone 1 and 21 areas to EN 60079-10 with installation to EN 60079-14
Apparatus Standard	EN 60079-0, EN 60079-1, EN 60079-7, EN 50281-1-1
Certificate	EC Type Examination Certificate SIRA05ATEX1299X
Coding	⊕ II 2 G D EEx d IIC (for 8W & 18W versions) ⊕ II 2 G D EEx d IIB (for 36W & 58W versions)
Enclosure	LM6 aluminium die cast alloy
Reflector/Geartray	Borosilicate glass overtube, painted steel reflector
Entry	2 x M20 cable entries
Termination	3 core 6mm <sup>2</sup> max. conductor with looping 4 core on emergency version (no looping on emergency)
Installation	Via steel support rail
Control Gear	High Frequency
Relamping	Two socket head screws and tapered spigotted flamepath
Lampholder	G13 (Bi-pin)
Lamp Type	T 8 Bi-pin fluorescents
Burning Position	Universal
Ingress Protection	Ingress protection to IP66, IP67 and IP68
Electrical Supply	220V - 254V, 47/63Hz AC/DC 100V - 130V, 47/63Hz AC/DC (N/A 8W Model)
Emergency Output	8W - 30% for 3 hours 18W - 14% for 3 hours 36W - 7% for 3 hours 58W - 5% for 3 hours

ATEX Approved
Quick lamp start, flicker free
High frequency electronic control gear reduces running costs by up to 30%
Cool running improves T-rating
Standard support channel allows for multiple fixing centres and options
Suitable for high ambient areas
Lightweight and low profile construction
<b>Optional Exit Sign Kit for Emergency Escape Route Lighting</b>
<b>Applications</b>
Zone 1 and 2 hazardous areas
Overdoor emergency lighting
Paint spraying
Chemical industry
Munitions storage
Sewage treatment plants
Engine rooms
Walkways
M.O.D. installations
Distilleries
Gas pumping stations

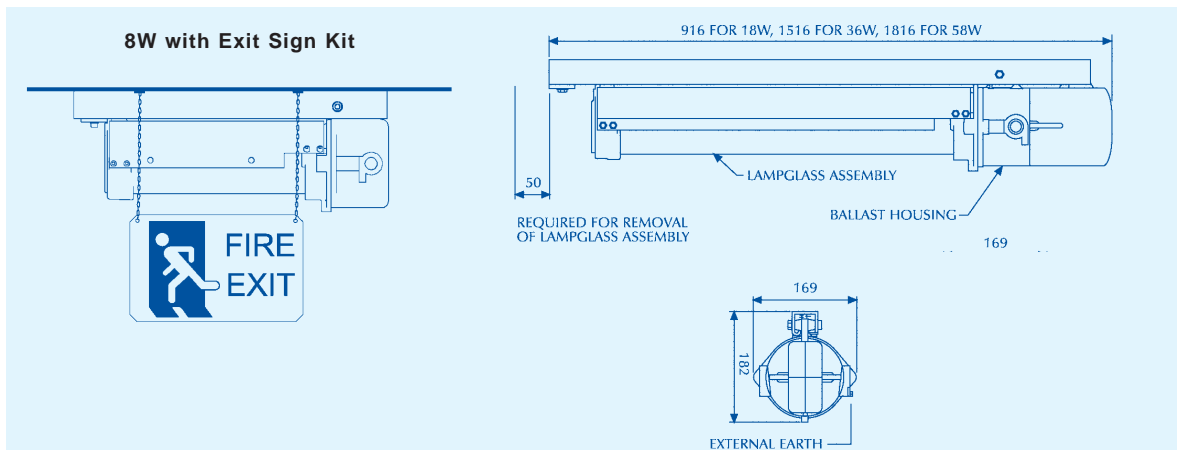
# ATEX CATEGORY 2 ZONE 1 & 21 APPLICATIONS

Std. Cat No.	Wattage	Lamp	Lampholder	T Class	Ambient °C	Weight
LOMD/108/BI	1x8W	T5	G5	T6	55	5.0kg
LOMD/208/BI	2x8W	T5	G5	T6	55	5.5kg
LOMD/118/BI	1x18W	T8	G13	T6	55	9.0kg
LOMD/218/BI	2x18W	T8	G13	T6	55	9.0kg
LOMD/136/BI	1x36W	T8	G13	T5	55 (T6 @ 53)	13.0kg
LOMD/236/BI	2x36W	T8	G13	T5	55 (T6 @ 53)	13.0kg
LOMD/158/BI	1x58W	T8	G13	T5	55 (T6 @ 49)	15.0kg
LOMD/258/BI	2x58W	T8	G13	T5	55 (T6 @ 49)	15.0kg
LOMD/108/BI/EM*	1x8W	T5	G5	T6	55	10.5kg
LOMD/218/BI/EM	2x18W	T8	G13	T6	55	13.5kg
LOMD/236/BI/EM	2x36W	T8	G13	T5	55 (T6 @ 52)	20.0kg
LOMD/258/BI/EM	2x58W	T8	G13	T5	55 (T6 @ 48)	22.3kg

\* Maintained as standard

## Options - Suffix to Catalogue No.

**/M25** M25 Entries      **/SR** Stainless steel support rail      **/NM** Non-Maintained (1x8W only)



### Accessories (Should be ordered separately)

Ceiling bracket	<b>SLOMD-000001</b>
Right angle wall mounting brackets (S/S)	<b>SLOMD-000002</b>
Wall mounting bracket (S/S)	<b>SLOMD-000003</b>
Pole clamp (S/S) - (35/40mm diameter)	<b>SLOMD-000004</b>
Pole clamp (S/S) - (40/50mm diameter)	<b>SLOMD-000005</b>
Pole clamp (S/S) - (50/60mm diameter)	<b>SLOMD-000006</b>
Pole clamp (S/S) - (60/70mm diameter)	<b>SLOMD-000007</b>
Wire guard for 8W	<b>SLOMD-000019</b>
Wire guard for 18W	<b>SLOMD-000008</b>
Wire guard for 36W	<b>SLOMD-000009</b>
Wire guard for 58W	<b>SLOMD-000010</b>
Exit Sign (no direction)	<b>SPATE-00005</b>
Exit Sign (up arrow)	<b>SPATE-00006</b>
Exit Sign (down arrow)	<b>SPATE-00007</b>
Exit Sign (right arrow)	<b>SPATE-00008</b>
Exit Sign (left arrow)	<b>SPATE-00009</b>

Product design and specifications are subject to change without notice, please check the Chalmite website for latest specifications.