

# THE 2D RANGE



Popular Art

# THE 2D RANGE

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*refined aesthetics with wide appeal*

A SHINING EXAMPLE OF VERSATILITY, COMPACTNESS, AESTHETICS AND ECONOMY IN LIGHTING THAT'S THE POPULAR 2D RANGE OF LUMINAIRES FROM THORN LIGHTING. ALL BASED ON THE STYLISH, ULTRA-SLIM, HIGHLY EFFICIENT 2D FLUORESCENT LAMP.

THE CHOICE OF FITTINGS INSPIRED BY THE 2D LAMP IS NOW SIMPLY VAST. THEY CAN FULFIL A HOST OF LIGHTING NEEDS IN ALL SORTS OF APPLICATIONS. IN COMMERCE, INDUSTRY, PUBLIC BUILDINGS, IN HOMES, SHOPS, RESTAURANTS AND ART GALLERIES. 2D LENDS A NEW DIMENSION TO LIGHTING DESIGN AND FUNCTION.

ALTHOUGH WITHOUT DOUBT IT IS THE LOGICAL SUCCESSOR TO THE TUNGSTEN FILAMENT LAMP, 2D IS FAR MORE THAN THAT. ITS LONGEVITY: 5 TIMES THAT OF INCANDESCENT LAMPS, MAKES IT IDEAL FOR USE IN LARGE-SCALE LEISURE AND CIVIC SCHEMES WHERE FREQUENT LAMP REPLACEMENT ADDS CRIPPLING COSTS TO MAINTENANCE BILLS. THE 2D LAMP ALSO BRINGS REMARKABLE ENERGY-SAVINGS COMPARED TO TUNGSTEN FILAMENT SOURCES - A 75% REDUCTION IN POWER CONSUMPTION MAKES SURE OF THAT.

IN RESTRICTED SPACES, THE COOL RUNNING 2D MAKES A SUBSTANTIAL CONTRIBUTION TO COMFORT AND SAFETY. IN LARGER INTERIOR AREAS WITH AIR CONDITIONING, SECONDARY COST-SAVINGS RESULT FROM THE LAMPS' LOW OPERATING TEMPERATURES.

THE 2D LUMINAIRE AND LAMP RANGE IS ENORMOUSLY VERSATILE - AVAILABLE IN 16W, 28W AND 38W VERSIONS, AND IN TWO DIFFERENT COLOUR TEMPERATURES (WARM WHITE AND INTERMEDIATE) TO FIT ANY FUNCTION OR MOOD.

LUMINAIRES FEATURING 2D FIT EFFORTLESSLY INTO ANY TRADITIONAL OR MODERN INTERIOR, AND COMPLEMENT ARCHITECTURAL FEATURES AND EXTERIORS BEAUTIFULLY. THE RANGE IS WIDE, TO MEET A WIDE RANGE OF NEEDS. WHICHEVER FITTINGS ARE CHOSEN, THEIR CLEAN, UNCLUTTERED LINES,



SUBTLE PROFILES AND DESIGN-ORIENTATED ERGONOMICS BLEND HARMONIOUSLY WITH THE ENVIRONMENT ALL 2D LUMINAIRES ARE SUPPLIED COMPLETE WITH LAMP PLUS CONTROL GEAR AND, UNLESS OTHERWISE STATED, 28W MODELS ARE HPF

SOME OF THE 2D BODIES ARE ALSO AVAILABLE AS EMERGENCY LUMINAIRES I.E. 2DFV16, 2DOOY16 AND 2DXJ16 MODERN GLASS HERE, THEY SIMPLY USE THE 4W T5 LAMP INSTEAD OF A 16W 2D

FOR THE 28W/38W RANGE OF LUMINAIRES THORN CAN PROVIDE REMOTE BOXES TO CONVERT TO EMERGENCY APPLICATIONS HERE, AN EASY MODIFICATION ALLOWS IT TO BECOME AN EMERGENCY LUMINAIRE

FOR THE LIGHTING DESIGNER, 2D REPRESENTS THE ULTIMATE IN AESTHETIC FREEDOM WITH THEIR CHOICE OF DIFFUSERS AND MOUNT FLEXIBILITY, 2D FITTINGS CAN PROVIDE AMBIENT OR DRAMATIC, GENERAL OR DIRECTIONAL EFFECTS WHETHER WALL OR CEILING MOUNTED, SURFACE OR RECESSED

THE MOST GRAPHIC DEMONSTRATION OF THE UNIVERSAL APPEAL OF THE 2D RANGE IS TO LOOK AT TYPICAL APPLICATIONS OF 2D LUMINAIRES THROUGHOUT A BUILDING, FROM THE OUTSIDE THEN WITHIN SUCH A JOURNEY WOULD TAKE IN THE FOUR MAJOR PRODUCT GROUPINGS OF 2D, THEN EXAMINE EACH RANGE OF LUMINAIRES UNDER THE FUNCTIONAL CATEGORIES

# C O N T E N T S



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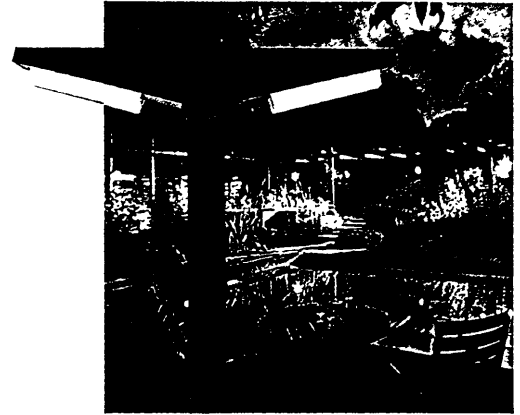
ACCESSORIES PAGE 18

# EXTERIOR

For every sort of exterior use, providing safety, security and amenity lighting in one highly efficient package, 2D fittings fulfil all the major criteria. For example, their resistance to weather and vandalism, their ease of installation and maintenance, cost-savings and aesthetic subtlety.

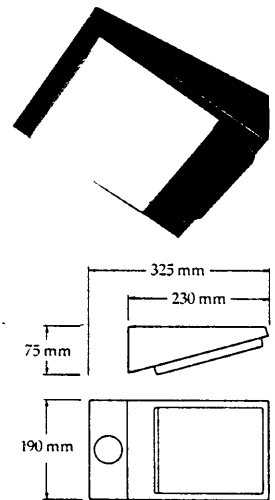
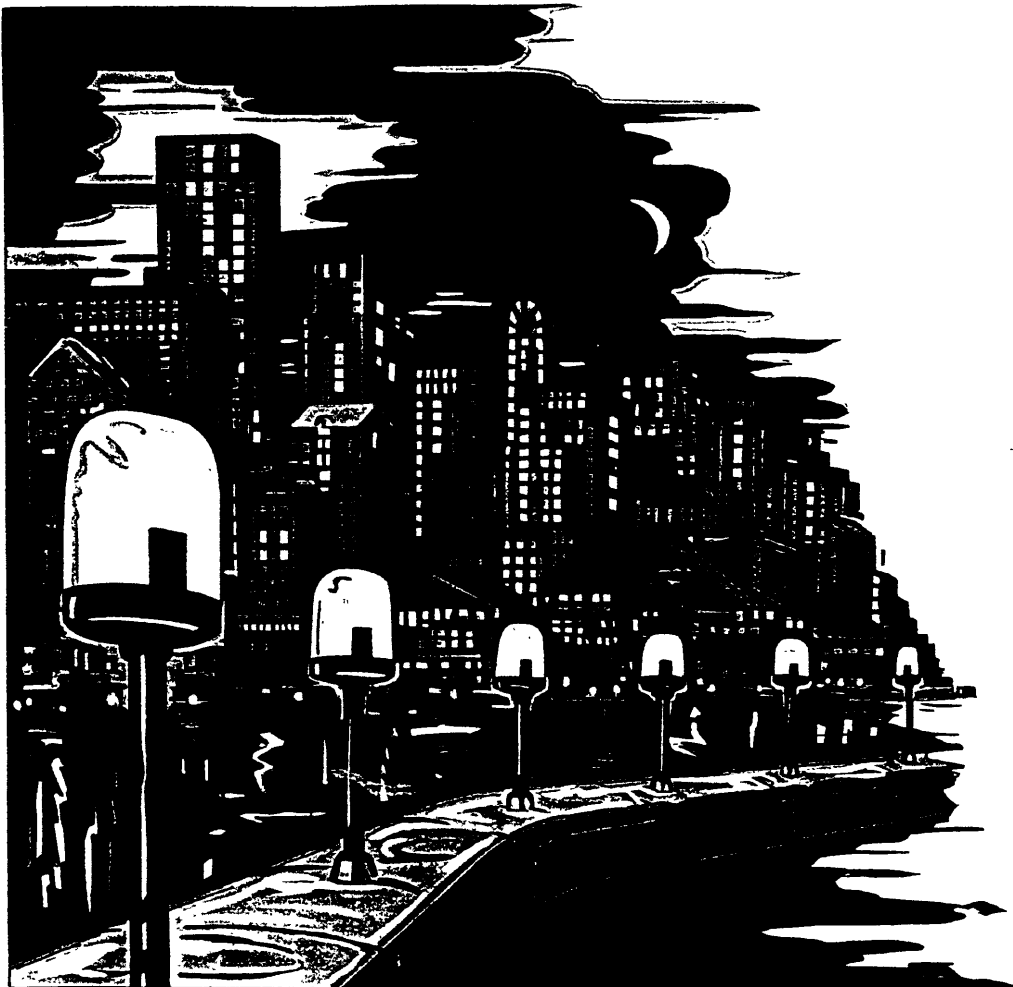
These strengths have recommended the 2D range for use in car parks, driveways, paths, gardens and parks, subways, precincts, passageways, porches and doorways. The added facility of photocell operation can ensure that not only the right type of light is provided in the right places, but also the reassurance that lighting is there at the right times – simply and economically.

## WEDGE



This is a series of exterior luminaires with exceptional mounting flexibility: wall or pole. All models have opal diffusers and resilient, corrosion-resistant metal casings. Typical locations include paths, walkways, gardens and poolsides.

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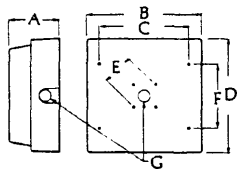




## BULKHEAD

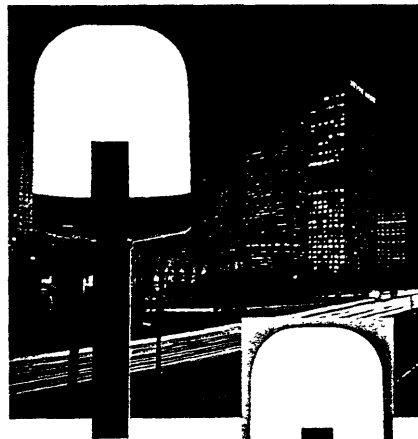


These 16W 2D luminaires are suitable for interior as well as external use. They may be wall or ceiling mounted and are both dust-proof and sealed against water jets. Versions are available with opal or prismatic diffusers. The black polycarbonate bodies and tamper-proof retaining screws create a vandal-resistant housing. There is a photocell controlled variant and an emergency version.



| DIMENSIONS mm |        |        |
|---------------|--------|--------|
| Cat.No.       | 2DFV16 | 2DFV28 |
| A             | 85.5   | 107    |
| B             | 198    | 254    |
| C             | 160    | 190    |
| D             | 198    | 254    |
| E             | 50     | 50     |
| F             | 100    | 190    |
| G             | 20     | 20     |

## CITY



A vandal-resistant luminaire for bulkhead, ceiling or pole mounting, the City comes complete with a 28W 2D lamp and either an opal or clear diffuser.

City is highly advanced both technically and aesthetically, to meet all urban and residential lighting needs where resilience, amenity, security, long lamp life and minimal energy costs are the priorities.

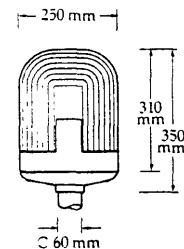


The unit is protected against water jets and dust to IP65 for a wide range of exterior applications, and its design and performance characteristics also make the City ideal for interior use in entrance halls, stairways, corridors, etc.

Diffusers are UV-resistant polycarbonate which ensures transparency and shock resistance throughout life. The 2D lamp supplied has a colour temperature of 2700K, for an attractive and warm appearance, particularly suited to outdoor applications. In conjunction with the opal diffuser, the 2D lamp delivers a high degree of optical comfort. For circumstances demanding maximum luminance, the lamp should be combined with a clear diffuser.

Self-extinguishing polycarbonate is employed for the construction of the luminaire body, supplied in white, black

or green, as is the pole adaptor. Fibreglass-reinforced plastic poles, 1200mm in length, are also available for City luminaires.

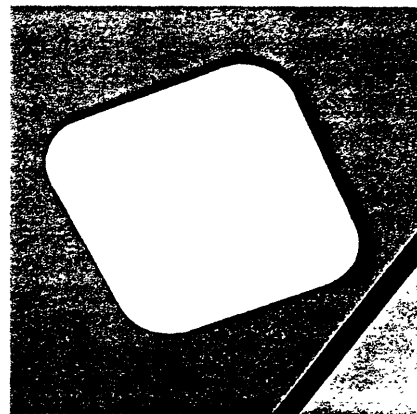


| NAME                                  | CAT.No.    | DESCRIPTION  | LAMP W | WEIGHT Kg |
|---------------------------------------|------------|--|--------|-----------|
| WEDGE                                 | 2DOW16     | Wedge/Wall mounting  | 16     | 2.5       |
|                                       | 2DOWP      | Pole mounting adaptor  | -      | 0.5       |
| BULKHEAD                              | 2DFV16     | Bulkhead c/w 16W 2D lamp and gear                                    | 16     | 1-10      |
|                                       | 2DFV16 HPF | Bulkhead c/w 16W 2D lamp and HPF gear                                | 16     | 1-12      |
|                                       | EFP3.TICEL | Bulkhead Non-Maintained Emergency (4WT5 Lamp)                        | 4      | 1.32      |
|                                       | 2DFV28     | Bulkhead c/w 28W 2D lamp and HPF gear                                | 28     | 2.4       |
|                                       | 2DFVB1     | Bollard for single 2D bulkhead                                       | -      | -         |
|                                       | 2DFVB2     | Bollard for twin 2D bulkhead   | -      | -         |
|                                       | 2DFVP16    | Bulkhead c/w 16W 2D lamp and gear with integral photocell (LPF only) | 16     | 1.2       |
|                                       | 2DFC16     | Bulkhead with prismatic diffuser c/w 16W 2D lamp and HPF gear        | 16     | 1-12      |
| CITY                                  | 2DCYO28W   | White luminaire with opal diffuser                                   | 28     | 2.35      |
|                                       | 2DCYO28GN  | Green luminaire with opal diffuser                                   | 28     | 2.35      |
|                                       | 2DCYO28B   | Black luminaire with opal diffuser                                   | 28     | 2.35      |
|                                       | 2DCY28W    | White luminaire with clear diffuser                                  | 28     | 2.35      |
|                                       | 2DCY28GN   | Green luminaire with clear diffuser                                  | 28     | 2.35      |
|                                       | 2DCY28B    | Black luminaire with opal diffuser                                   | 28     | 2.35      |
| CITY ATTACHMENTS<br>60mm Pole adapter | 2DCYAW     | White pole adapter   | -      | -         |
|                                       | 2DCYAGN    | Green pole adapter   | -      | -         |
|                                       | 2DCYAB     | Black pole adapter   | -      | -         |
| 60mm Fibre glass pole                 | 2DCYPW     | White 1.2 pole   | -      | -         |
|                                       | 2DCYPB     | Black 1.2 pole   | -      | -         |

# DECORATIVE INTERIOR

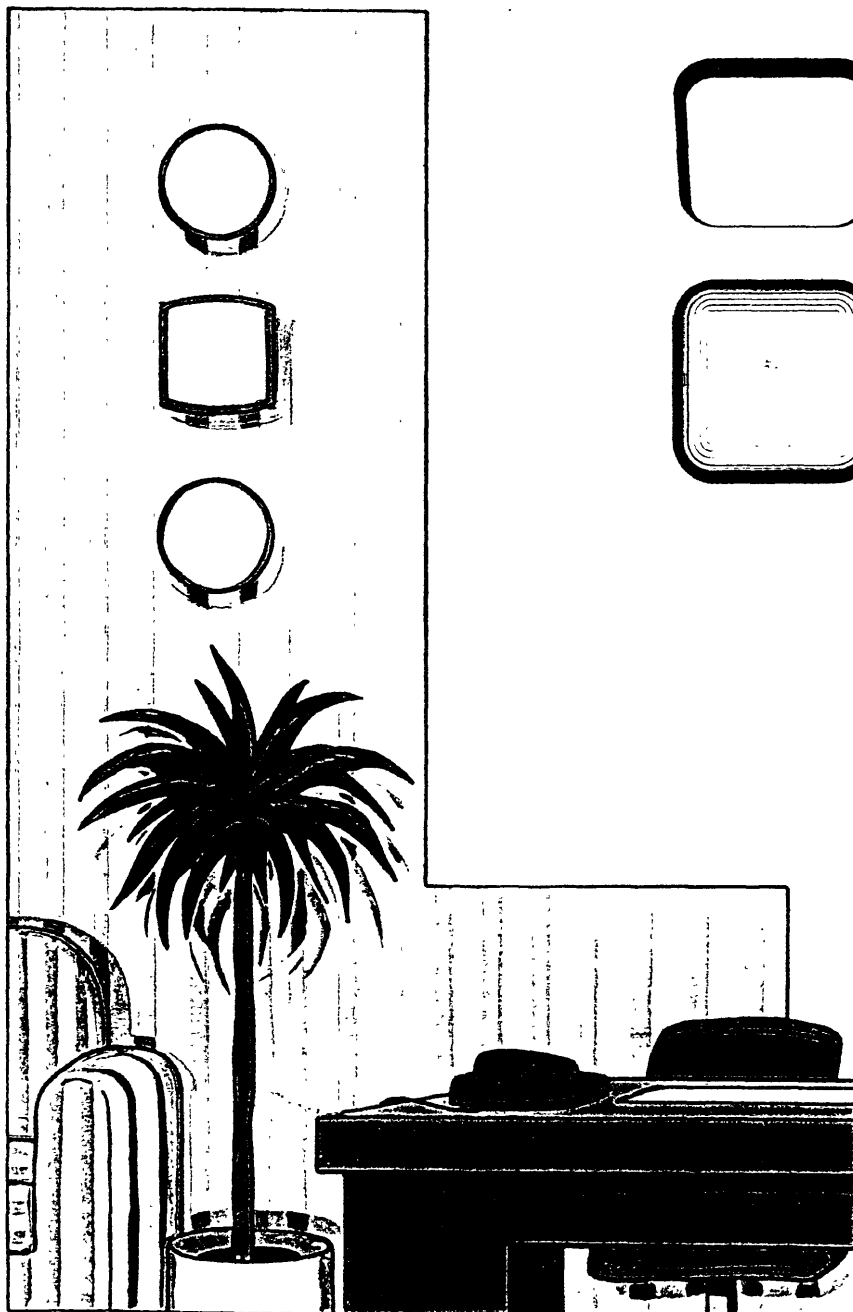
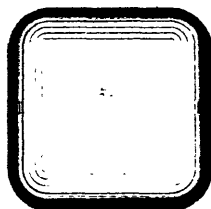
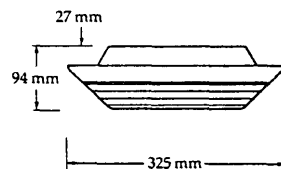
*This series of luminaires puts great versatility and functional precision in the hands of lighting designers. There are models which produce excellent general illumination, and others more suited to emphasis lighting. Both traditional and modern interiors can benefit from 2D performance and aesthetics, and the range takes account of the great diversity of wall or ceiling applications. Architectural features and suspended ceiling systems are also accommodated.*

DIAMOND



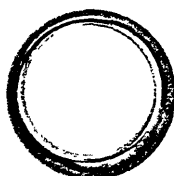
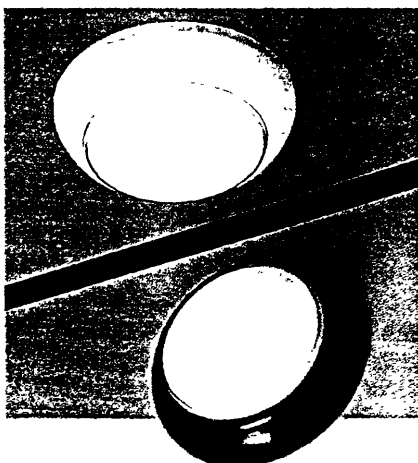
A classically simple yet innovative design, the 2D Diamond is available with a white, red or brown polycarbonate body and comes complete with a 2D 28W intermediate colour temperature (3500K) lamp.

It has a multiplicity of possible applications in commercial interiors, bars, shops, hotel bedrooms and corridors. Clear or opal polycarbonate diffusers are supplied, which give the desired light distribution and maximum optical efficiency. Both types of diffuser have polished exterior surfaces to reduce dust retention, and incorporate retaining clips. The integral white polycarbonate reflector provides high reflectance and ensures double insulation protection.

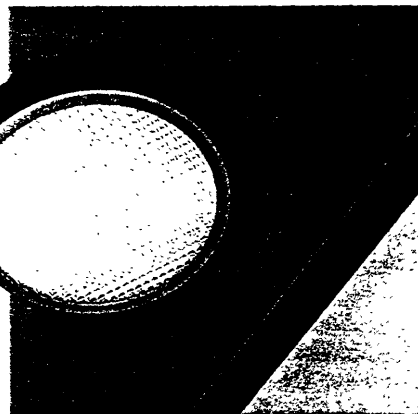




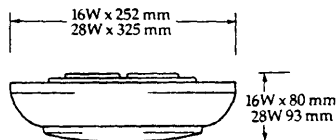
**CLUB/SUPER CLUB**



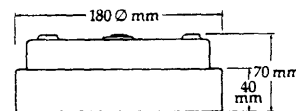
**RONDO**



Available with red or white casing for interior or exterior use, or in brass for dry interiors, Club is a tough, low-profile light with great versatility. As a surface fitting with red or white plastic body, the Club is suitable for applications demanding a splash-proof luminaire, such as walkways, car ports and bathrooms. The 16W Club has a pressed stippled glass diffuser, and the 28W Super Club comes with a matching plastic diffuser. Brass housings can be supplied with either 16W or 28W lamps and are designed for dry atmospheres only, wall or ceiling mounted. All Club models are supplied with the appropriate 2D lamp and integral control gear.



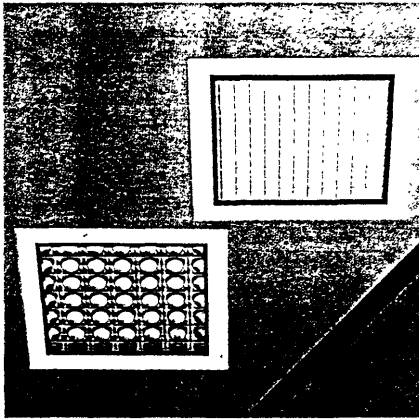
This 2D model creates attractive, diffuse pools of light with its spill ring, which reflects light on to a wall or ceiling surface. The circular metal body has a white gearbox and brass finish trim. A prismatic attachment is supplied with the unit, which also includes a 16W 2D lamp.



| NAME            | CAT.No.   | DESCRIPTION                                | LAMP W | WEIGHT Kg |
|-----------------|-----------|--|--------|-----------|
| DIAMOND         | 2DDM28W   | White surface with clear diffuser          | 28     | 2.6       |
|                 | 2DDM28R   | Red surface with clear diffuser            | 28     | 2.6       |
|                 | 2DDM28BN  | Brown surface with clear diffuser          | 28     | 2.6       |
|                 | 2DDMO28W  | White surface with opal diffuser           | 28     | 2.6       |
|                 | 2DDMO28R  | Red surface with opal diffuser             | 28     | 2.6       |
|                 | 2DDMO28BN | Brown surface with opal diffuser           | 28     | 2.6       |
| CLUB-SUPER CLUB | 2DCL16W   | Surface fitting, White                     | 16     | 1.4       |
|                 | 2DCL16R   | Surface fitting, Red                       | 16     | 1.4       |
|                 | 2DCL16BR  | Surface fitting, Brass (interior use only) | 16     | 1.4       |
|                 | 2DCL28W   | Surface fitting, White                     | 28     | 1.77      |
|                 | 2DCL28R   | Surface fitting, Red                       | 28     | 1.77      |
|                 | 2DCL28BR  | Surface fitting, Brass (interior use only) | 28     | 1.77      |
| RONDO           | 2DRC16P   | Circular luminaire/prismatic               | 16     | 1.1       |

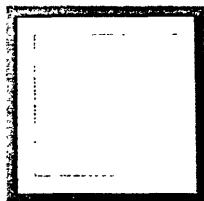
Note: 28W luminaires are HPF as standard.

MATRIX



For numerous commercial applications calling for a recessed luminaire, the Matrix offers considerable scope for lighting designers.

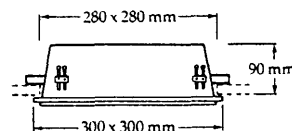
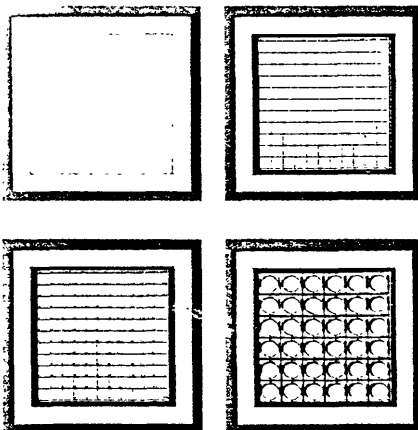
The Matrix body occupies only 110 mm recessed depth and has a minimal profile on the ceiling surface.



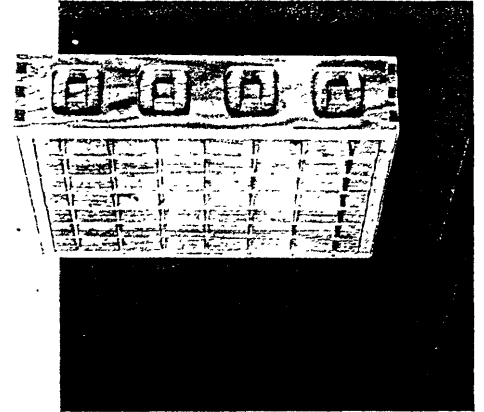
The matrix range

also integrates well with architectural features and is compatible with a variety of ceiling systems. This high power factor luminaire features a 38W (3500K colour temperature) 2D lamp as standard.

A choice of seven aperture treatments comprises prismatic or opal panels; silver or gold, square or conic louvres, and a decorative white cell.

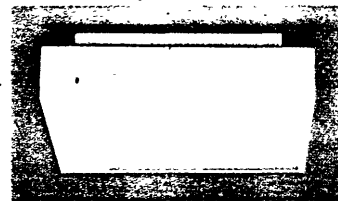


2D FACET



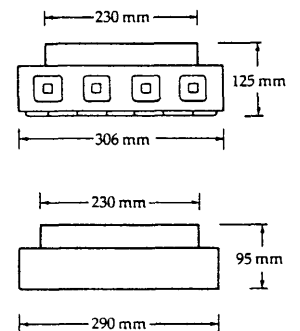
Extremely versatile, the 2D Facet range co-ordinates with many types of commercial interior. The classic square frames are provided either in crisp

white metal or natural timber. The white frame accepts a prismatic panel or parabolic louvre, and the natural timber variant is supplied



with a matching louvre.

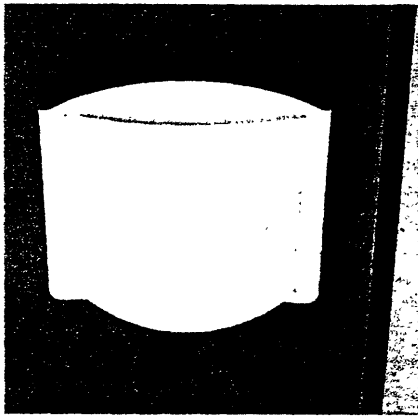
Both bodies are designed for ceiling mounting, and have white gearboxes which create upward spill lighting from the high power factor 28W or 38W 2D lamps, which have an intermediate colour temperature of 3500K. 28W lamps are also available with an intermediate colour temperature of 2700K.



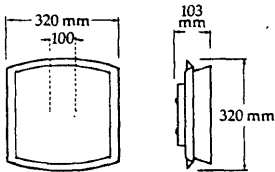




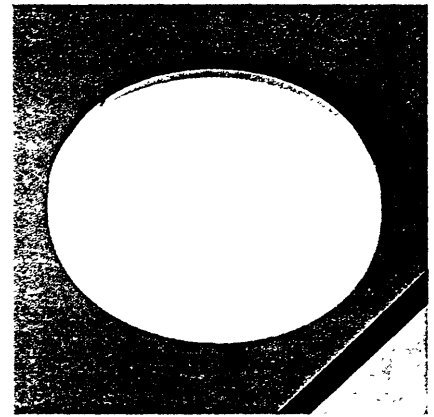
**SP**



An elegant interior wall light, the 2D SP is supplied with either a 16W or 28W 2D lamp. Its finely perforated white diffusing screen reveals a subtle outline of the 2D lamp within, which has a colour temperature of 2700K (warm).

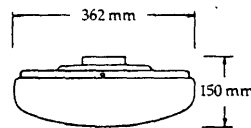


**DOMUS**



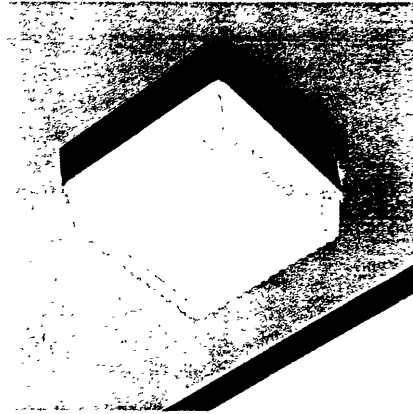
The clean, uncluttered lines of the 2D Domus ceiling luminaire can complement the most design-conscious interior scheme.

Domus may be specified with either an opal acrylic or striated glass bowl, which is fixed to the reflector on a plastic gearbox. A 28W, 2700K 2D lamp, and pattress for ceiling attachment, are supplied. The luminaire is HPF as standard.

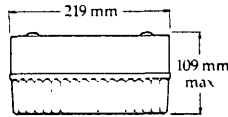


| NAME   | CAT.No.  | DESCRIPTION                              | GEAR BOX CAT.No.         | ATTACHMENT CAT.No. | LAMP W | WEIGHT KG                  |
|--|----------|--|--------------------------|--------------------|--------|----------------------------|
| <b>MATRIX</b>  | 2D TRP38 | Recessed 38W body & prismatic panel      | 2D TR38                  | 2D TP              | 38     | 2.35                       |
|  | 2D TRO38 | Recessed 38W body & opal panel           | 2D TR38                  | 2D TO              | 38     | 2.40                       |
|  | 2D TRE38 | Recessed 38W body & silver square louvre | 2D TR38                  | 2D TE              | 38     | 2.50                       |
|  | 2D TRF38 | Recessed 38W body & gold square louvre   | 2D TR38                  | 2D TF              | 38     | 2.50                       |
|  | 2D TRL38 | Recessed 38W body & silver conic louvre  | 2D TR38                  | 2D TL              | 38     | 2.50                       |
|  | 2D TRK38 | Recessed 38W body & gold conic louvre    | 2D TR38                  | 2D TK              | 38     | 2.50                       |
|  | 2D TRC38 | Recessed 38W body & white cell louvre    | 2D TR38                  | 2D TC              | 38     | 2.40                       |
| Note: Luminaires are HPF as standard.  |          |  |                          |                    |        |                            |
| <b>FACET</b>   | 2D SFP28 | Square/Prismatic                         | BODY CAT.No.<br>2D S28   | 2D SFP             | 28     | COMPLETE LUMINAIRE<br>1.85 |
|  | 2D SFL28 | Square/Parabolic louvre                  | 2D S28                   | 2D SFL             | 28     | 1.90                       |
|  | 2D SFW28 | Square/Timber louvre                     | 2D S28                   | 2D SFW             | 28     | 1.75                       |
|  | 2D SFP38 | Square/Prismatic                         | 2D S38                   | 2D SFP             | 38     | 1.85                       |
|  | 2D SFL38 | Square/Parabolic louvre                  | 2D S38                   | 2D SFL             | 38     | 1.90                       |
|  | 2D SFW38 | Square/Timber louvre                     | 2D S38                   | 2D SFW             | 38     | 1.75                       |
| Note: Luminaires are HPF as standard. When ordering 28W luminaires specify the lamp as a suffix i.e. 2DSFP28/2700. |          |  |                          |                    |        |                            |
| <b>SP</b>  | 2D SP16  | White wall light                         | -                        | -                  | 16     | 2.1                        |
|  | 2D SP28  | White wall light                         | -                        | -                  | 28     | 2.4                        |
| Note: the 2D SP28 is HPF as standard.  |          |  |                          |                    |        |                            |
| <b>DOMUS</b>   | 2D BSO28 | Batten/opal                              | GALLERY CAT.No.<br>2DB28 | 2D SO28            | 28     | WEIGHT KG<br>2.55          |
|  | 2D BSC28 | Batten/crystal                           | 2DB28                    | 2D SC28            | 28     | 2.55                       |

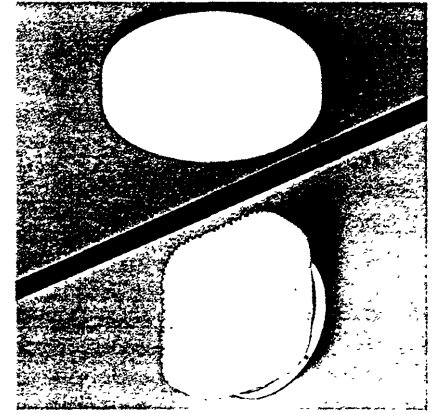
## XJ MODERN GLASS



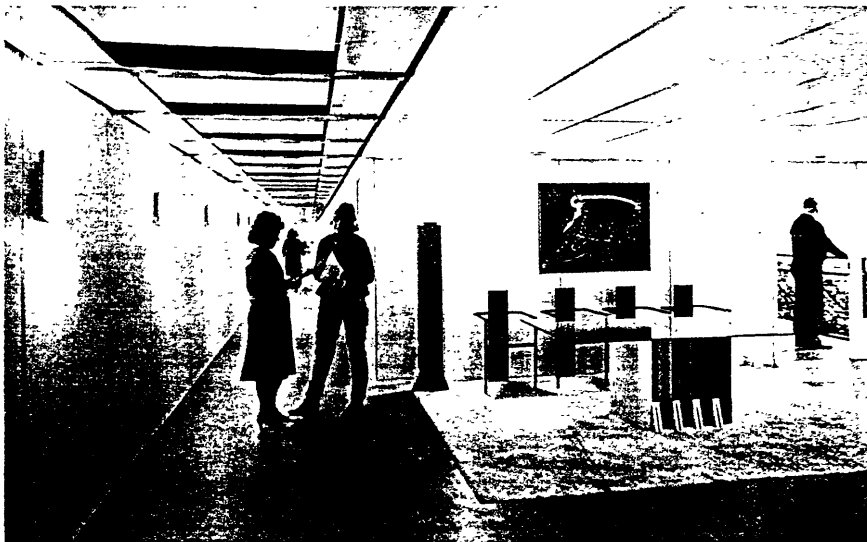
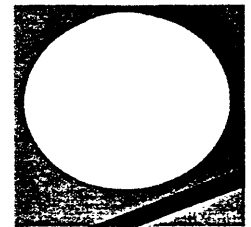
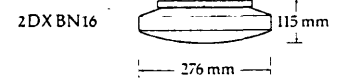
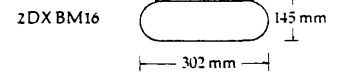
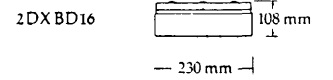
A ceiling-mounted luminaire, the XJ Modern Glass comes with a 16W 2D lamp and an attractive crystal pattern glass cover. This fastens to a metal body with black finish HPF and emergency lighting versions are also available.



## NOVA GLASSWARE

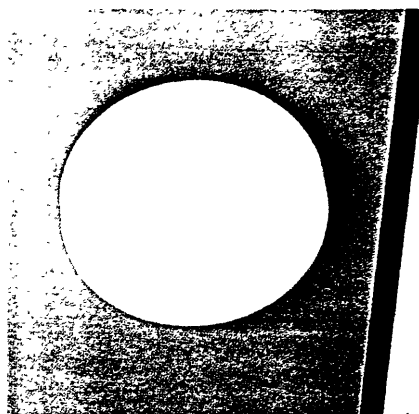
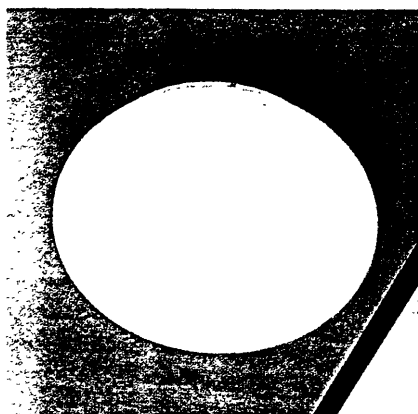


Nova Glassware range comprises two opal (round or profiled) glass attachments and one crystal glass with surface mounted bodies. They are attached to the white gallery by 4 screw fixings Nova features 16W, 2700K colour temperature lamps – high power factor variants are also available.



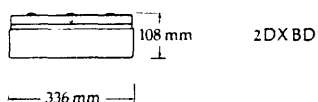
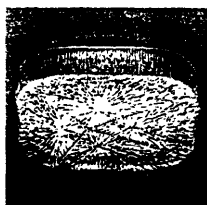


## SUPERNOVA GLASSWARE

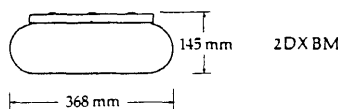


Supernova Glassware range comprises two opal (round or profiled) glass attachments and are crystal glass with surface mounted bodies. They are attached to the white gallery by 4 screw fixings. Supernova features 28W 2700K or 3500k colour temperature lamps.

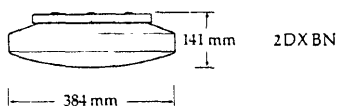
The 38W version has a 3500K lamp as standard.



2DXBD



2DXBM



2DXBN



11

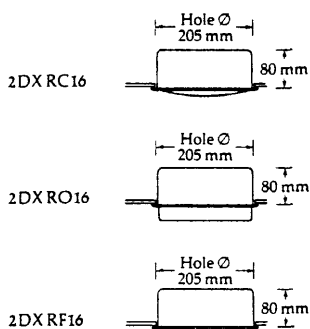
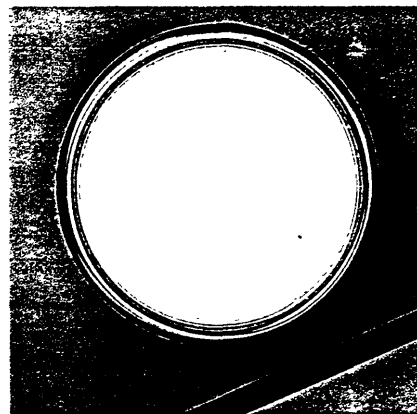
| NAME                | CAT.No.    | DESCRIPTION   | GALLERY CAT.No. | ATTACHMENT CAT.No. | LAMP W | WEIGHT KG COMPLETE FITTING |
|---------------------|------------|---|-----------------|--------------------|--------|----------------------------|
| XJ                  | 2DXJ16     | Ceiling luminaire   | -               | -                  | 16     | 3.5                        |
|                     | 2DXJ16/HPF | Ceiling luminaire, High Power Factor                      | -               | -                  | 16     | 3.52                       |
|                     | EFJ3/TICEL | Ceiling luminaire, Non-Maintained Emergency (4W T5)       | -               | -                  | 4      | 4.0                        |
|                     | EFJM3/ICEL | Ceiling luminaire, Maintained Emergency (4W T5)           | -               | -                  | 4      | 4.0                        |
|                     | E2DXJ16    | Ceiling luminaire 2D Maintained Emergency                 | -               | -                  | 16     | 5.55                       |
| NOVA GLASSWARE      | 2DXBM16    | Rounded opal + 16W gallery                                | 2DXB16          | 2DXM16             | 16     | 1.6                        |
|                     | 2DXBM16HPF | Rounded opal + 16W gallery, High Power Factor             | 2DXB16          | 2DXM16             | 16     | 1.62                       |
|                     | 2DXBN16    | Profiled opal + 16W gallery                               | 2DXB16          | 2DXN16             | 16     | 1.6                        |
|                     | 2DXBN16HPF | Profiled opal + 16W gallery, High Power Factor            | 2DXB16          | 2DXN16             | 16     | 1.62                       |
|                     | 2DXBD16    | Decorative crystal glass + 16W gallery                    | 2DXB16          | 2DXD16             | 16     | 1.6                        |
|                     | 2DXBD16HPF | Decorative crystal glass + 16W gallery, High Power Factor | 2DXB16          | 2DXD16             | 16     | 1.62                       |
| SUPERNOVA GLASSWARE | 2DXBM28    | Rounded opal + 28W gallery                                | 2DXB28          | 2DXM28             | 28     | 2.5                        |
|                     | 2DXBN28    | Profiled opal + 28W gallery                               | 2DXB28          | 2DXN28             | 28     | 2.5                        |
|                     | 2DXBD28    | Decorative crystal glass + 28W gallery                    | 2DXB28          | 2DXD28             | 28     | 2.5                        |
|                     | 2DXBM38    | Rounded opal + 38W gallery                                | 2DXB38          | 2DXM28             | 38     | 2.5                        |
|                     | 2DXBN38    | Profiled opal + 38W gallery                               | 2DXB38          | 2DXN28             | 38     | 2.5                        |
|                     | 2DXBD38    | Decorative crystal glass + 38W gallery                    | 2DXB38          | 2DXD28             | 38     | 2.5                        |

Note: 28W and 38W luminaires are HPF as standard. \*When ordering 28W version, specify lamp as a suffix i.e 2DXBM28/2700

# INTERIOR AMENITY

This series of models is designed for use in foyers, reception areas, porticos, corridors, stairwells, lift lobbies or utility rooms. They combine practicality and economy with an uncluttered, classically simple appearance.

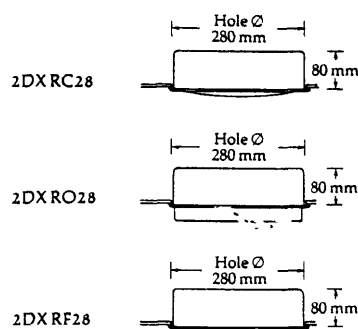
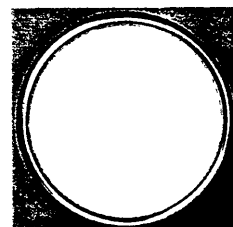
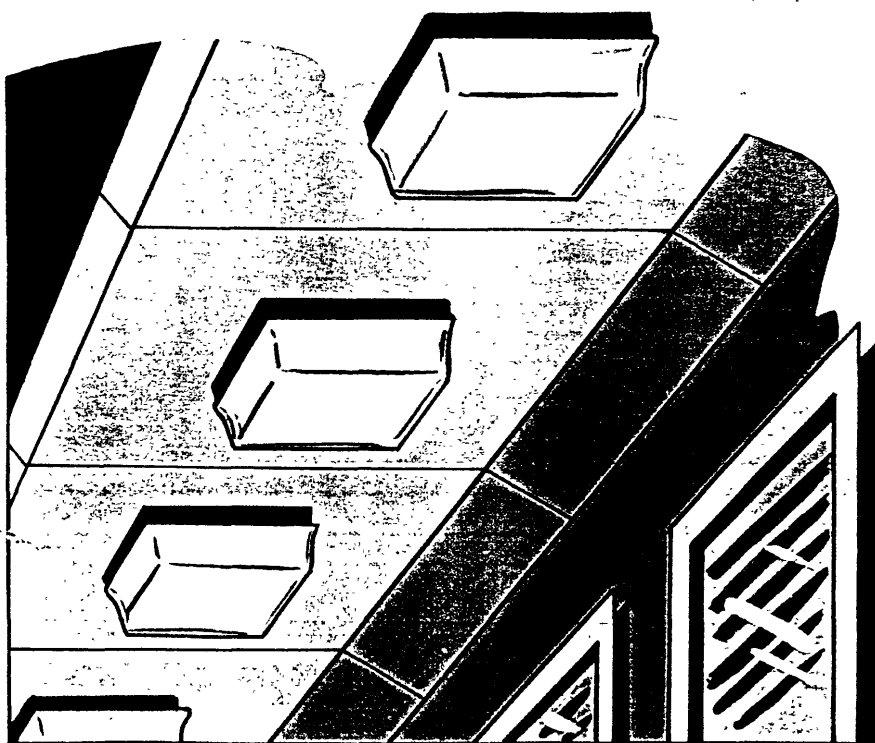
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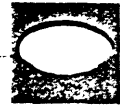


These feature circular metal bodies with minimal void incursion (80 mm), chrome or brass finish trim, and crystal, opal or fresnel type plastic diffusers. The 2D 16W lamp in Nova models has a colour temperature of 2700K (warm). Supernova is supplied with a 28W 2D lamp, and 2700K or 3500K colour temperature may be specified.

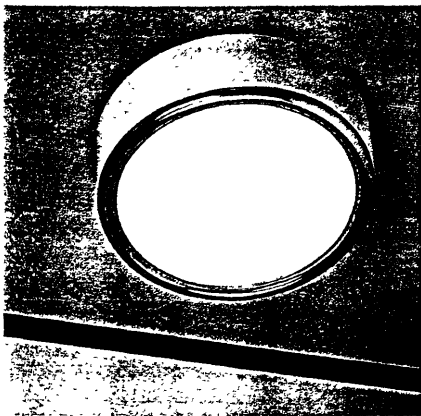
The fittings are suitable for a wide variety of horizontal mounting applications.

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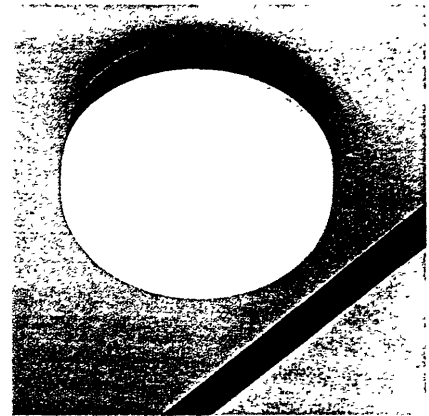




**SURFACE MOUNTING NOVA/SUPERNOVA**

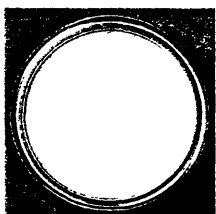


**OYSTER**

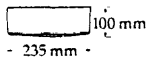
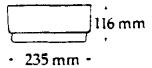
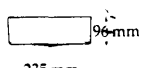
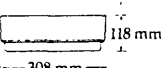
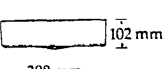
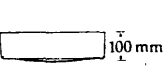


The circular metal bodies of Nova and Supernova for surface mounting, have white plastic collars and chrome or brass finish trim. Overall, each luminaire has a diameter of 235 mm (Nova) or 308 mm (Supernova).

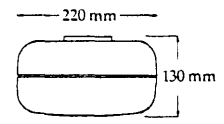
Plastic diffusers, of the opal, crystal or fresnel type are supplied, as is a 2D lamp:



16W with Nova, 28W with Supernova. Both these surface models are suitable for horizontal mounting.

-  100 mm 2DXSC16  
- 235 mm -
-  116 mm 2DXSO16  
- 235 mm -
-  96 mm 2DXSF16  
- 235 mm -
-  118 mm 2DXSC28  
- 308 mm -
-  102 mm 2DXSO28  
- 308 mm -
-  100 mm 2DXSF28  
- 308 mm -

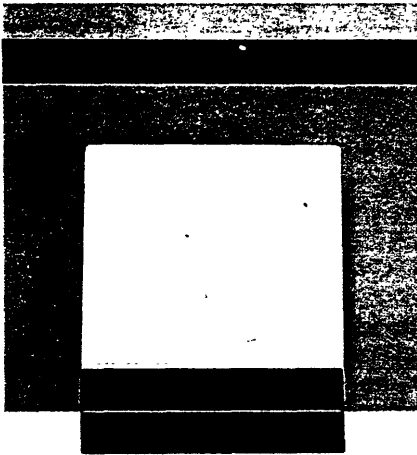
A totally enclosed luminaire, the 2D Oyster is sealed against weather and corrosion, and has an impact resistant casing in duotone polycarbonate. It adapts to wall or ceiling mounts, and has an opal diffuser which protects the lamp, internal reflector and control gear from the attentions of vandals. A watertight gasket may be fitted at the rear of this luminaire. Emergency version available.



| NAME                      | CAT.No.    | DESCRIPTION   | HOUSING CAT. No. | ATTACHMENT CAT No | LAMP W | WEIGHT KG COMPLETE FITTING |
|---------------------------|------------|---|------------------|-------------------|--------|----------------------------|
| <b>NOVA RECESSED</b>      | 2DXRC16    | Round/recessed/crystal                              | 2DXR16           | 2DXC16            | 16     | 0.90                       |
|                           | 2DXRC16HPF | Round/recessed/crystal/High Power Factor            | 2DXR16           | 2DXC16            | 16     | 0.95                       |
|                           | 2DXRO16    | Round/recessed/opal                                 | 2DXR16           | 2DXO16            | 16     | 0.90                       |
|                           | 2DXRO16HPF | Round/recessed/opal/High Power Factor               | 2DXR16           | 2DXO16            | 16     | 0.95                       |
|                           | 2DXRF16    | Round/recessed/fresnel                              | 2DXR16           | 2DXF16            | 16     | 0.90                       |
|                           | 2DXRF16HPF | Round/recessed/fresnel/High Power Factor            | 2DXR16           | 2DXF16            | 16     | 0.95                       |
| <b>SUPERNOVA RECESSED</b> | 2DXRC28    | Round/recessed/crystal                              | 2DXR28           | 2DXC28            | 28     | 2.25                       |
|                           | 2DXRO28    | Round/recessed/opal                                 | 2DXR28           | 2DXO28            | 28     | 2.15                       |
|                           | 2DXRF28    | Round/recessed/fresnel                              | 2DXR28           | 2DXF28            | 28     | 2.15                       |
| <b>NOVA SURFACE</b>       | 2DXSC16    | Round/surface/crystal                               | 2DXS16           | 2DXC16            | 16     | 1.00                       |
|                           | 2DXSC16HPF | Round/surface/crystal/High Power Factor             | 2DXS16           | 2DXC16            | 16     | 1.05                       |
|                           | 2DXSO16    | Round/surface/opal                                  | 2DXS16           | 2DXO16            | 16     | 1.00                       |
|                           | 2DXSO16    | Round/surface/opal/High Power Factor                | 2DXS16           | 2DXO16            | 16     | 1.05                       |
|                           | 2DXSF16    | Round/surface/fresnel                               | 2DXS16           | 2DXF16            | 16     | 1.00                       |
|                           | 2DXSF16    | Round/surface/fresnel/High Power Factor             | 2DXS16           | 2DXF16            | 16     | 1.05                       |
| <b>SUPERNOVA SURFACE</b>  | 2DXSC28    | Round/surface/crystal                               | 2DXS28           | 2DXC28            | 28     | 2.25                       |
|                           | 2DXSO28    | Round/surface/opal                                  | 2DXS28           | 2DXO28            | 28     | 2.25                       |
|                           | 2DXSF28    | Round/surface/fresnel                               | 2DXS28           | 2DXF28            | 28     | 2.25                       |
| <b>OYSTER</b>             | 2DOOY16    | Surface luminaire                                   | -                | -                 | 16     | 1.08                       |
|                           | 2DOOY16HPF | Surface luminaire, High Power Factor                | -                | -                 | 16     | 1.1                        |
|                           | EFY3 TICEL | Surface luminaire, Non-Maintained Emergency (4W T5) | -                | -                 | 4      | 1.20                       |
|                           | E2DOOY16   | Surface luminaire, 2D Maintained Emergency          | -                | -                 | 16     | 2.44                       |

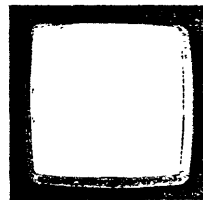
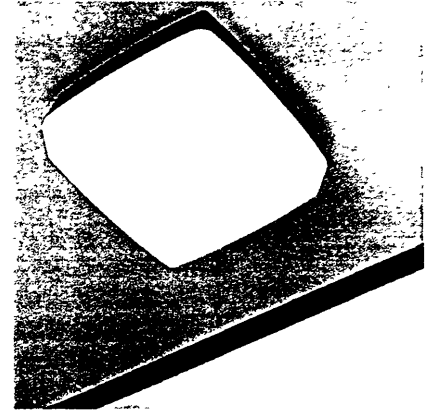
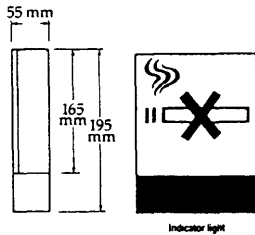
Note: luminaires HPF as standard for 28W versions can be ordered for 16W versions by adding HPF to the catalogue number. For Supernova and Nova chrome trim is available as standard, however the brass trim is available and can be ordered by adding BR to catalogue no

# INTERIOR AMENITY

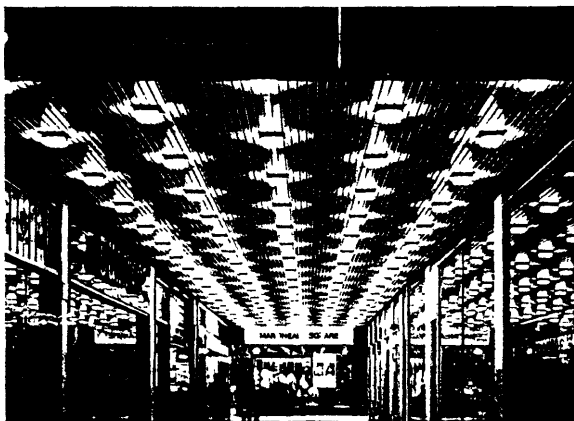
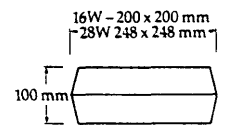
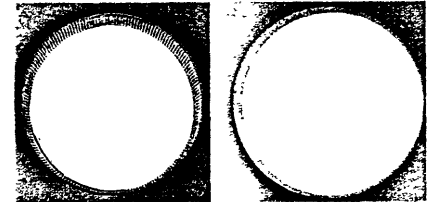


Domino provides an ultra slim profile for locations where space presents a particular challenge. This compact luminaire is an attractive choice, whether specified as a single source or in a group scheme. When located on walls has the added flexibility of providing signage as well as illumination, by the application of graphic transfers (not supplied) to the opal diffuser.

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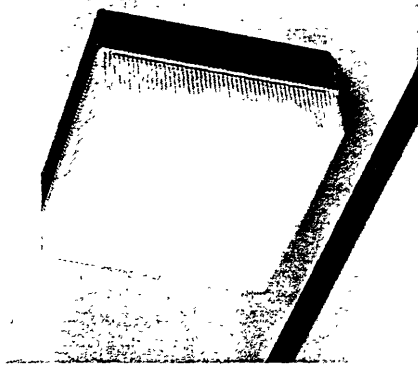


Designed as a multi-purpose fitting, Unilite is vandal-resistant, with a square or round black polycarbonate base, and opal or prismatic diffusers. The range is suited to vertical or horizontal mounting. The curved profile of the housings gives a softer, more subtle line in situ.

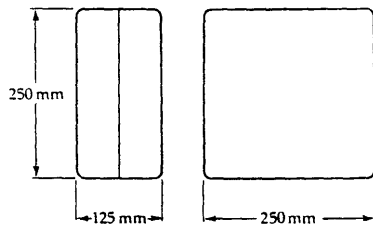




**UNIVERSAL**



With wide applications for general lighting in small areas, the Universal features a square polycarbonate body in black, and either an opal or prismatic diffuser. The unit can be mounted on walls or ceilings.

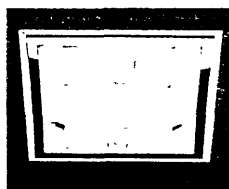
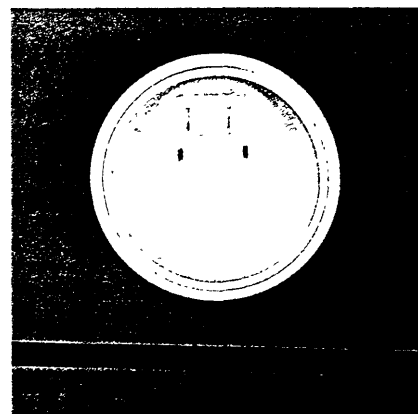


| NAME  | CAT.No.     | DESCRIPTION                         | LAMP W | WEIGHT Kg |
|---|-------------|-------------------------------------|--------|-----------|
| <b>DOMINO</b>                                 | 2DDO16      | Surface luminaire                   | 16     | 1.4       |
| <b>UNILITE SQUARE</b>                         | 2DUNO16     | Square opal                         | 16     | 1.2       |
|   | 2DUNO16 HPF | Square opal, High Power Factor      | 16     | 1.22      |
|   | 2DUNP16     | Square prismatic                    | 16     | 1.2       |
|   | 2DUNP16 HPF | Square prismatic, High Power Factor | 16     | 1.22      |
|   | 2DUNO28     | Square opal                         | 28     | 2.2       |
|   | 2DUNP28     | Square prismatic                    | 28     | 2.2       |
| Note: 28W luminaires are HPF as standard.     |             |                                     |        |           |
| <b>UNILITE ROUND</b>                          | 2DURO16     | Round opal                          | 16     | 1.2       |
|   | 2DURO16 HPF | Round opal, High Power Factor       | 16     | 1.22      |
|   | 2DURP16     | Round prismatic                     | 16     | 1.2       |
|   | 2DURP16 HPF | Round prismatic, High Power Factor  | 16     | 1.22      |
|   | 2DURO28     | Round opal                          | 28     | 2.2       |
|   | 2DURP28     | Round prismatic                     | 28     | 2.2       |
|   | 2DURO38     | Round opal                          | 38     | 2.2       |
|   | 2DURP38     | Round prismatic                     | 38     | 2.2       |
| Note: 28W/38W luminaires are HPF as standard. |             |                                     |        |           |
| <b>UNIVERSAL</b>                              | 2DUSP28     | Square prismatic                    | 28     | 2.25      |
|   | 2DUSO28     | Square opal                         | 28     | 2.25      |

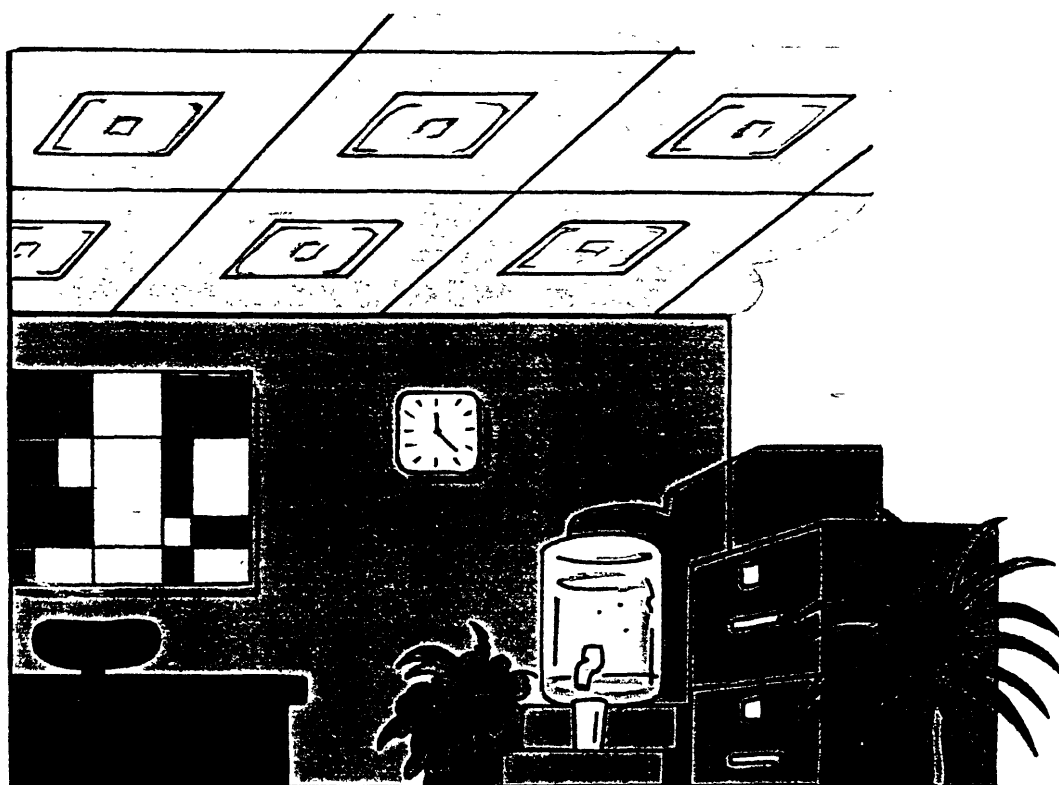
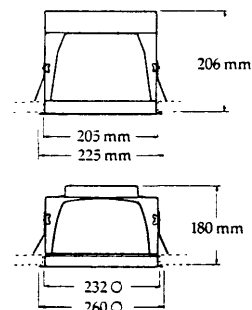
# OFFICE LIGHTING

THORN 2D luminaires for the office environment provide the lighting designer with high performance, well controlled luminance suited to both leisure and working activities including the use of VDU monitors.

## DOWNLIGHTS



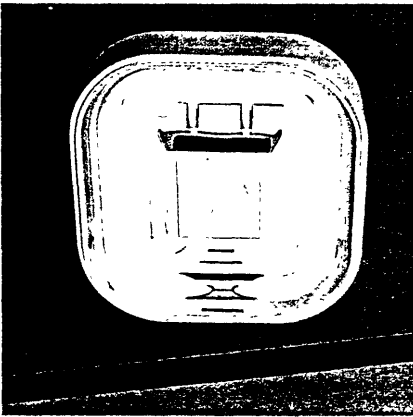
For the most streamlined and harmonious integration of 2D lighting with today's ceiling systems, these totally recessed Downlights are the logical choice. There are both square and circular versions, which are supplied with 16W 2D lamps. (Technical data)







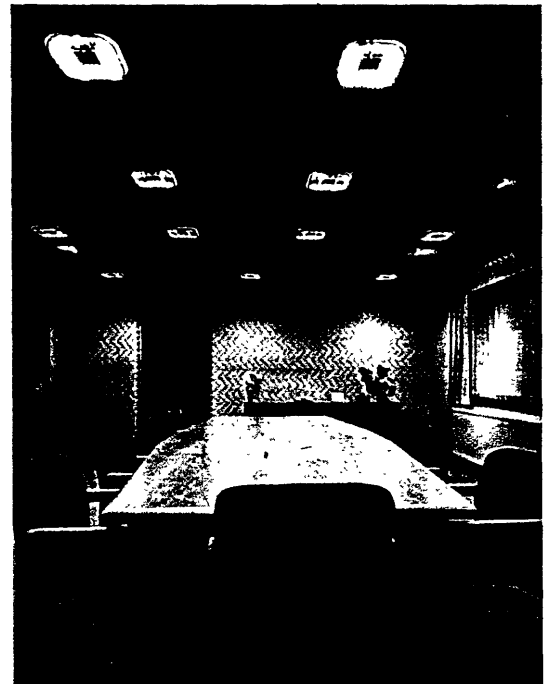
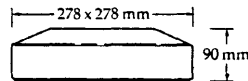
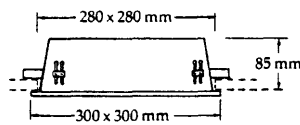
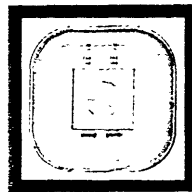
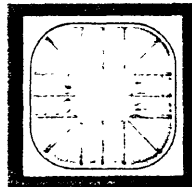
**HYFORM**



These are high performance commercial luminaires available both as surface mounted and recessed fittings. Surface Hyform has a 285 mm lateral measurement; that of the recessed version is 300 mm. In either case, a specular aluminized reflector achieves uniform distribution of the light output from the 3500K (intermediate colour temperature) lamp. For low brightness control, a louvre attachment is offered, and a lens controller attachment is also available which encloses the unit. Each luminaire includes a 28W lamp, and a 38W option may be specified on recessed models.

The designer therefore has the freedom to effect either general, diffuse illumination, or emphasis lighting in any interior scheme, traditional or modern.

The Hyform range also integrates well with architectural features and is compatible with most ceiling systems.

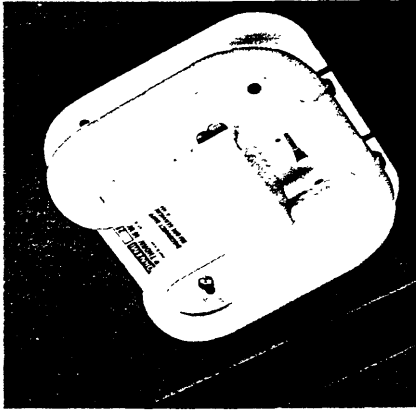


| NAME       | CAT.No.     | DESCRIPTION                         | BODY CAT.No. | ATTACHMENT CAT.No. | LAMP W | WEIGHT KG COMPLETE FITTING |
|------------|-------------|-------------------------------------|--------------|--------------------|--------|----------------------------|
| DOWNLIGHTS | 2DD5FR16    | Square - fully recessed             | -            | -                  | 16     | 1.4                        |
|            | 2DDCFR16    | Circular - fully recessed           | -            | -                  | 16     | 1.4                        |
| HYFORM     | 2DYS28/3500 | Surface with performance reflector  | 2DYS28/3500  | -                  | 28     | 2.3                        |
|            | 2DYS28/3500 | Surface and Lens controller         | 2DYS28/3500  | 2DYD               | 28     | 2.51                       |
|            | 2DYS28/3500 | Surface and low brightness louvre   | 2DYS28/3500  | 2DYL               | 28     | 2.52                       |
|            | 2DYR28/3500 | Recessed with performance reflector | 2DYR28/3500  | -                  | 28     | 2.3                        |
|            | 2DYR28/3500 | Recessed and Lens controller        | 2DYR28/3500  | 2DYD               | 28     | 2.51                       |
|            | 2DYR28/3500 | Recessed and low brightness louvre  | 2DYR28/3500  | 2DYL               | 28     | 2.52                       |
|            | 2DYR38/3500 | Recessed with performance reflector | 2DYR38/3500  | -                  | 38     | 2.2                        |
|            | 2DYR38/3500 | Recessed and Lens controller        | 2DYR38/3500  | 2DYD               | 38     | 2.51                       |
|            | 2DYR38/3500 | Recessed and low brightness louvre  | 2DYR38/3500  | 2DYL               | 38     | 2.52                       |

Note: Luminaires are HPF as standard.

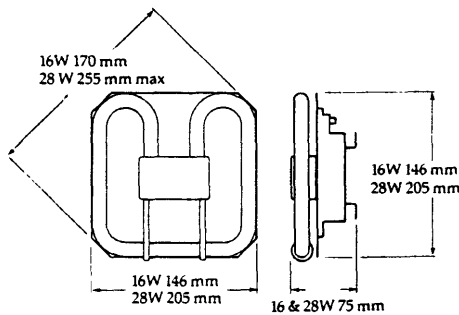
# ACCESSORIES IN THE 2D RANGE

## 2D CONVERSION PACK



This is a gear tray/reflector unit, finished in white, with saddle to enable easy installation within an existing luminaire of suitable dimensions. Considerable capital cost savings can be made by avoiding the need to replace existing fittings when upgrades to the 2D format are required. There are three versions: 16W, 16W high power factor and 28W high power factor.

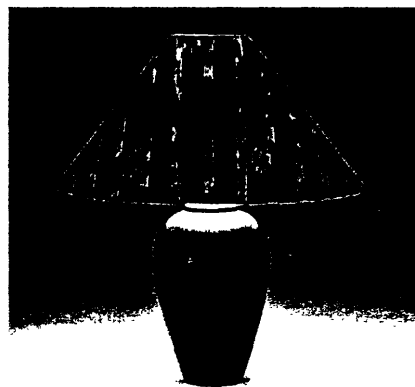
18



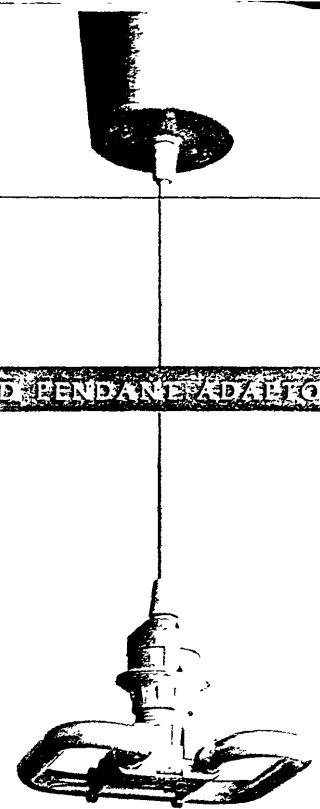
## 16W 2D SOCKET ADAPTOR



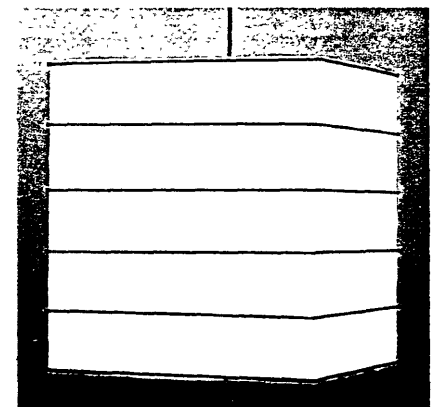
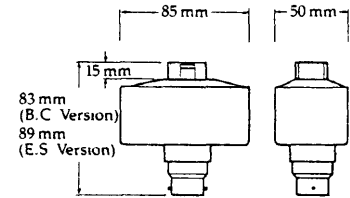
Immediate improvement of BC or ES fittings is made available by this integrated adaptor. Its moulded plastic body includes the ballast, 2D lampholder and BC or ES cap. The adaptor can be used indoors with 240V circuits (220V to order). Lamphades should be checked to ensure adequate space for adaptor and 2D lamp. A 16W lamp is packed with each adaptor. Please note that a lamphade is not included.



## 2D PENDANT ADAPTOR



For ceiling installations, this 16W pendant adaptor can quickly and simply replace a conventional ceiling rose and tungsten pendant. The 2D pendant is complete with the ballast (concealed in the ceiling rose), 1 metre flex, 2D lampholder and shade ring.

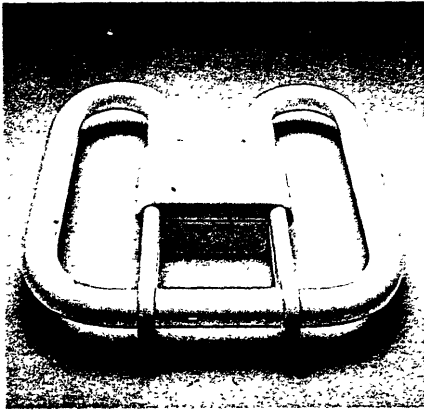


| NAME               | CAT. No.   | DESCRIPTION                            | LAMP W | WEIGHT Kg |
|--------------------|------------|--|--------|-----------|
| 2D SOCKET ADAPTER  | 2DA16      | Adapter/BC                             | 16     | 0.5       |
|                    | 2D A16ES   | Adapter/ES                             | 16     | 0.5       |
| 2D PENDANT ADAPTER | 2DP16      | Pendant                                | 16     | 0.6       |
| CONVERSION PACK    | 2DCP16     | 16W Conversion pack                    | 16     | 0.75      |
|                    | 2DCP16/HPF | 16W Conversion pack, High Power Factor | 16     | 0.77      |
|                    | 2DCP28     | 28W Conversion pack, High Power Factor | 28     | 1.35      |

# 2D LAMPS/EMERGENCY



## COMPACT FLUORESCENT LAMPS



### Application

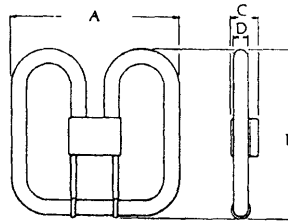
These compact fluorescent lamps are designed as replacements for GLS lamps and long fluorescent tubes. 16W 2D lamps replace GLS lamps of up to 100W whilst the larger 28 and 38W 2D lamps replace lamps of between 150 and 200W. The 38W 2D is an ideal light package for use in 300 x 300mm modular ceiling systems.

### Colours

2D lamps use Polylux phosphors for high light output and good colour rendering.

2D lamps are available in Polylux 2700 which closely matches the colour of tungsten filament lamps for most indoor applications and Polylux 3500 to match the standard commercial lighting colour.

16W versions are also available in seven vibrant coloured hues for decorative and display use.



| GLS      | 2D  |
|----------|-----|
| 60-100W  | 16W |
| 150W     | 28W |
| 150-200W | 38W |

### DIMENSIONS (mm - nominal)

| Type           | A   | B   | C  | D  | Weight g |
|----------------|-----|-----|----|----|----------|
| 16W 2D         | 140 | 140 | 27 | 15 | 65       |
| 28W and 38W 2D | 205 | 205 | 35 | 24 | 130      |

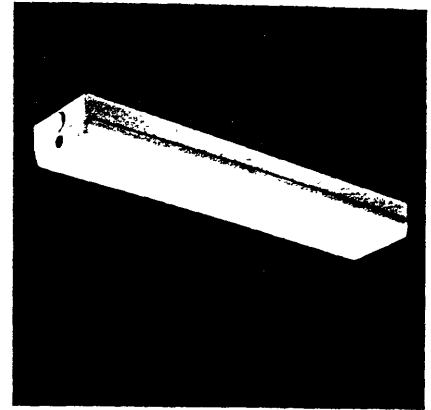
### Cap Options

|     |  |
|-----|--|
| 16W | The 2-pin version is standard and includes a built-in starter switch. A 4-pin version is also available without internal starter for use in special applications, e.g. emergency and transport lighting. |
| 28W | The 4-pin cap is standard but a 2-pin version is available for replacement purposes only.  |
| 38W | 4-pin cap  |

### To Order

Specify, for example, "16W 2D 2-pin 2700K".

## EMERGENCY REMOTE BOXES



The remote box has been designed for instances where a luminaire is required to operate under the failed mains supply condition, but accommodation of the relevant module and battery pack is not possible due to temperature and/or space limitation.

A simple modification is carried out to enable the luminaire to be compatible to the remote box.

The remote box consists of a white painted mild steel base with a white, flame retardant plastic cover. The box comes complete with an eight-way terminal block/cable clamp, a LED charge indicator and 1.5m of 8-way cable to enable connection to the luminaire to be converted.

### RANGE

| CAT No. | APPLICATIONS | DURATIONS |
|---------|--------------|-----------|
| EGH3692 | 28W 2D       | 3 hours   |
| EGH3693 | 38W 2D       | 3 hours   |
| EGH3694 | 28W 2D       | 1 hour    |
| EGH3695 | 38W 2D       | 1 hour    |

NB. Only to be used with 2D 4 pin lamps.

### ELECTRICAL DATA

| Rated Watts | Objective Watts | Tube Volts | Tube Amps | Average Life (hrs) |
|-------------|-----------------|------------|-----------|--------------------|
| 16          | 15.5            | 97         | 0.20      | 5,000              |
| 28          | 28              | 107        | 0.32      | 10,000             |
| 38          | 38              | 110        | 0.43      | 10,000             |

### Colour Options and Lumens\*

|            | Polylux 2700 | Polylux 3500 | Red | Green | Blue | Peach | Lemon | Lilac | Magenta |
|------------|--------------|--------------|-----|-------|------|-------|-------|-------|---------|
| 16W 100 hr | 1050         | 1050         | 850 | 1400  | 400  | 1000  | 1050  | 575   | 700     |
| 2000 hr    | 925          | 925          |     |       |      |       |       |       |         |
| 28W 100 hr | 2050         | 2050         |     |       |      |       |       |       |         |
| 2000 hr    | 1850         | 1850         |     |       |      |       |       |       |         |
| 38W 100 hr | 2950         | 2950         |     |       |      |       |       |       |         |
| 2000 hr    | 2600         | 2600         |     |       |      |       |       |       |         |

\*Light output is at optimum operating conditions

