

Listed Building Consent Application

1091/LB



RECEIVED
PLANNING
18/10/05
15:40

Development Department Belmont House Rectory Lane Guisborough TS14 7FD

1A. NAME AND ADDRESS OF APPLICANT

1B. NAME AND ADDRESS OF AGENT (if any)

MR. C. R. MARSHALL
COMMERCIAL DEVELOPMENT PROJECTS LTD
HUDDERSFIELD ROAD
ELWAND, WEST YORKSHIRE
Telephone 01422 376221 Fax 01422 376216
E-mail

1091/LB
Personal contact name
Telephone Fax
E-mail

2. FULL POSTAL ADDRESS OF THE BUILDING(S) TO BE ALTERED/EXTENDED/DEMOLISHED

STATION BUILDINGS, STATION SQUARE, SALTBOURN

3. BRIEF DESCRIPTION OF PROPOSED WORKS

INSTALLATION OF FLOODLIGHTING APPARATUS & CABLE RUNS TO ILLUMINATE THE PORTICO

4. TYPE OF APPLICATION This application is for:

- A. Alterations and/or extensions to listed building(s)
- B. Demolition or partial demolition of listed building(s)
- C. Alterations, extensions and/or demolition of building(s) within the curtilage of listed building(s)

5. PREVIOUS OR CONCURRENT PLANNING APPLICATIONS

- A. I have already been granted planning permission for this proposal
- B. I have already applied for planning permission for this proposal
- C. I intend to apply for planning permission
- D. Planning permission is not required for the proposed works

tick one box

If you ticked 'A' or 'B', please state Application Reference No:.....

6. DECLARATION I enclose the following: -

- A. Three copies of the necessary plans/drawings, etc
- B. Three completed application forms.
- C. The appropriate Certificate of Ownership (see attached form)

Signature of applicant/agent (delete as appropriate) C.R. Marshall Date 18/10/05

LAND OWNERSHIP CERTIFICATES AND NOTICE

PLANNING (LISTED BUILDINGS AND CONSERVATION AREAS) ACT 1990 Planning (Listed Buildings and Conservation Areas) Regulations 1990

CERTIFICATE A

I hereby certify that: no person other than the applicant was an owner of the building to which the application relates at the beginning of the period of 21 days before the date of the accompanying application.

Signed C R Marshall Date 18/10/05

On behalf of Commercial Development Projects Ltd

PLANNING (LISTED BUILDINGS AND CONSERVATION AREAS) ACT 1990 Planning (Listed Buildings and Conservation Areas) Regulations 1990

CERTIFICATE B

I hereby certify that: the applicant has given the requisite notice to all the persons other than the applicant who, 21 days before the date of the accompanying application, were owners of the building to which the application relates, viz: -

<u>Name of owner</u>	<u>Address</u>	<u>Date Notice Served</u>
.....
.....

Signed Date

On behalf of

DETACH NOTICE NUMBER 1 HERE

(THIS NOTICE IS TO BE SERVED ON THE OWNER OF THE BUILDING)

PLANNING (LISTED BUILDINGS AND CONSERVATION AREAS) ACT 1990 Planning (Listed Buildings and Conservation Areas) Regulations 1990

NOTICE No 1

An application for Listed Building Consent is being made to Redcar & Cleveland Borough Council and you are the owner/part owner of the application site.

Address of application site

The application is for the demolition/alteration/extension of (address/description of building)

Name and address of applicant

If you wish to make representations on this application, please do so within 21 days of receiving this notice to:
Director of Development, Redcar & Cleveland Borough Council, Belmont House, Rectory Lane, Guisborough, TS14 7FD

Signed Date On behalf of

L
D
C



Newcombe House
21 Market Place
Wolsingham
Co. Durham
DL13 3AB

Tel/Fax 01368 527809

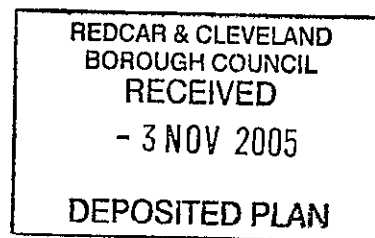
E Mail:

ldc@lightingconsultants.co.uk

www.lightingconsultants.co.uk

Railway Station Portico, Saltburn.

Lighting Scheme and luminaire specification.



R/ 05 / 1090 / LB

INDEPENDENT LIGHTING ADVICE • CREATIVE LIGHTING DESIGN • SURVEYS & TECHNICAL SERVICES
Principal: Michael H Phillips I.Eng MILE. MSLL. ACIBSE. Lighting Diploma

Saltburn Station Portico – Lighting

Scheme Overview.

This document to be read in conjunction with drawing No. LDC534A

The lighting design concept is to light the station portico to be a principal town feature at night. The principal viewing is from the south, but also the approaches from the east and west are important. The lighting concept is to feature the columns, arches and entablature in a visually balanced and cohesive way.

The station building is classified as a Listed Building special precautions will be necessary to ensure no permanent damage to the fabric of the building either from executing or as a result of the installation of the lighting works.

Ground recessed up-lighters light the columns and arches with a white light sympathetic to both the pale yellow brickwork and sandstone architectural details. Small LED striplights located on removable brackets light the upper portions of the columns and arches when the planting troughs are in position. They are to be located above the planting troughs on purpose made brackets clamped to the troughs and the circuits connected by means of a waterproof plug and socket. The internal space of the portico is to be lighted with new fluorescent luminaries located behind the arches to provide a soft cooler white light within the space. This will provide a more comfortable welcome for travellers by train and will create a colour contrast against which the lighted columns will be seen. The existing two floodlights within the passages through the station entrance will be replaced with two warm white uplighters approximately 3m from floor level. An LED strip-light would be located above the "Railway Station" sign to enhance this as a feature. The clock tower would be lighted from four ground recessed up-lights.

In summary, the lighting scheme comprises of the following:-

- a) Internal lighting of the portico by six fluorescent luminaries at high level.
- b) Lighting of three windows by two ground recessed uplights (U1) and one ceiling recessed downlight (DL1).
- c) Lighting of the two passages through the station entrance from four uplights at approximately 3000mm from floor level (F1).
- d) Lighting of the four principal columns and arches by twelve ground recessed uplights (U1)
- e) Lighting of the upper sections of the columns above the hanging baskets by means of four short removable linear LED luminaires.
- f) Lighting of the Clock Tower by four ground recessed uplights (3 No. U1 and 1 No. U2)
- g) A linear LED sign light to be mounted on cantilever brackets to light the full length of the "Railway Station" sign.

Luminaire Schedule and Specification.

4 No. F1	Asymmetric 150W CDM wall mounting upright, white finish with 3000K CDM lamp, safety glass. Lamp: 150W CDM-T 3000K	Meyer Fluxa AGU 8 273 261 008 Philips Lighting
6 No. FL	1331mm long surface mounting vandal and weather resistant luminaire with zinc coated steel construction H.F. gear for 2 X 36 W fluorescent lamps. U.V. stabilised 5mm polycarbonate shallow dish glazing. Location of conduit entries to be confirmed at time of order. Paint finish abrasion resistant textured finish RAL9002. All fixings to be stainless steel. Contractor to measure available cornice space between stone work prior to placing order with manufacturer. Lamps: 2 No. 1200mm 36W 4000K Ra80 Triphosphor.	Designplan Tuscan D843/24HFB/ RAL9002 or approved alternative. Philips/Osram
1 No. DL1	IP65 255mm Diam recessed downlight with broad spread reflector and safety glass. Integral gear for 70W CDM-T 3000K lamp, white finish with aluminium front ring. Glare suppressed to meet DIN5035. Cut out diam: 240mm. Weight: 5.4kg	Bega Downlight Ref. 6304W
15 No. U1	Erco IP68 marine grade 316 stainless steel in-ground upright luminaire with toughened drive over grip glass and human touch temperature. Integral gear for 35W CDM-T 3000K lamp. Ten degree reflector and 20 degree variable optical adjustment. Single anti-leach gland entry alternatively Lumascap 343 IP68 in-ground upright luminaire with BLV blue 35W CDM-T 3000K lamp pure optics, 15 degree beam reflector with 21 degree aiming adjustment. Human Touch temperature and Grip Glass 41 kN 12mm Optiwhite front glass in stainless steel bezel with tamper proof stainless steel screw fixings. Single anti-leach gland entry. Lamp: 35W CDM-T 3000K	Erco Tesis 33726 As Quote Ref.***** Lumascap LS343 As Light Projects Quote Ref.***** Philips Lighting.
1 NO. U2	As U1 but lamp to be 70W CDM-T 3000K	
4 No. LED1	685mm IP67 linear LED for 6 X 1W Luxeon 3000K leds. Final exterior grade paint finish to be applied on site to match colour of planter. Each to have remote driver within an IP68 box located on capital ledge out of sight. Contractor to provide IP68 plug and socket for mains to driver and VE2 low voltage connection from driver to LED1 units (contractor to specify length). 4 No. CD-B-06-WW-825 with 8 No. VE-BKT-SS. 4 No. VE2 supply leads. 4 No. ECU-9-35-IPBX drivers.	Optino Colada LED system.
1 No. LED 2	5m IP67 linear LED unit comprising of 7 No. 685mm LED1 units as LED1 above. Paint finish mat black. Each pair of LED1 units to have a remote driver within an IP68 box located adjacent out of sight. 7 No. CD-B-06-WW-825 with 6 No. VE-BKT-SS. 4 No. VE2 supply leads. 6 No.VE-CC couplers. 4 No. ECU-16-35-IPBX drivers	Optino Colada LED system.

Cost Schedule.

Luminaires	Manufacturer/specification.	No.	Budget cost each	Total cost	Load KW
F1	D/asymmetric 150W SON uplight.	2	£200	£400	0.36
FL	Twin lamp fluorescent, bracket mounted	6	£300	£1800	0.30
DL1	Ceiling recessed medium beam 70W CDM downlight.	1	£200	£200	0.085
U1	35W ground recessed uplight.	15	£700	£10,500	0.675
U2	70W ground recessed uplight.	1	£700	£700	0.08
LED 1	Removable plug-in LED striplight with 9 X 1W LEDs.	4	£200	£800	0.36
LED 2	4.8m LED sign light on cantilever brackets, comprising of 7 No. 9 X 1W LED sections, each with a remote driver.	1	£2100	£2100	0.63
TOTALS				£16,500	2.5

Luminaire budget costs: £16,300

Budget Installation costs: £12,000

Total Budget cost: £28,300

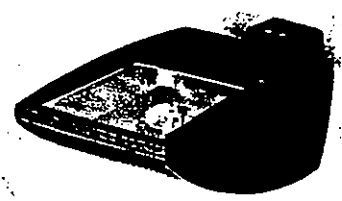
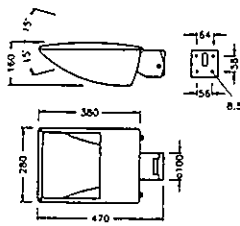
Setting out luminaires and commissioning.

Prior to site fixing of luminaires the contractor shall obtain a working sample of the ground recessed uplight UL1 and wire on a temporary circuit to establish under the direction of the Lighting Consultant the optimum locations with regard to the lighting effect. The site trial shall be undertaken during the hours of darkness. The contractor shall include in his tender allowance, sufficient set up time, plus an average of 5 mins at each of four ground recessed luminaire locations.

On completion of the installation and after all luminaires are properly tested and fully working, a commissioning process of two night time four hour sessions will be required. During this operation the electrical contractor will adjust the aiming of the in-ground luminaires and LED units under the instruction of the lighting consultant. The purpose of the process being to ensure that direct view of the light sources from the longer views is shielded and the desired visual lighting effect is achieved.

Date 14.10.05

M.H.Phillips - LDC

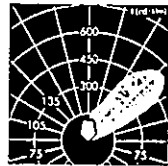
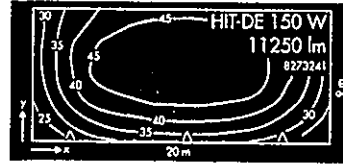


Fluxa AGU Uplight

For metal halide lamps (HIT-DE), ceramic metal halide lamps (HIT-DE-CRI) and high pressure sodium lamps (HST-DE) protection class I, IP54 cast aluminium housing, polyester powder coated, asymmetrical high gloss aluminium reflector, all exterior steel parts stainless steel, tempered safety glass, silicon gasket, closure: 2 stainless steel screws, hinged front frame, adjustable bracket assembly: 2 drilled holes \varnothing 8.5 mm, spacing 64 mm, 2 drilled holes \varnothing 8.5mm, spacing 56 mm, tilt range 30°, M20 cable gland, integral LPF control gear, HPF available on request (see page 156), supplied without lamp



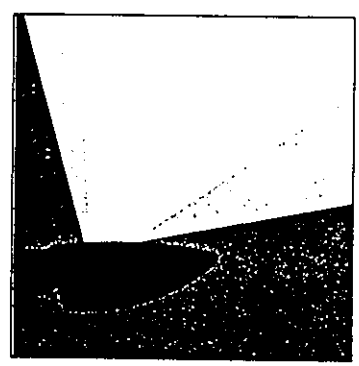
Fluxa AGU Uplight 150 W					
Part number	Colour	Lamp	Lampholder	Weight	Main beam angle γ
8 273 241 008	black	HIT-DE 150 W	Rx7s	9.0 kg	45°
8 273 261 008	white	HIT-DE-CRI 150 W			
8 273 251 008	silver grey	HST-DE 150 W			



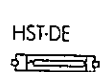
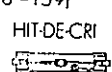
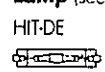
Calculation example for indirect lighting using 3 nos. Fluxa AGU 150 W:

Ceiling height: 5 m
 Luminaire installation height: 3 m
 Ceiling reflectance value: 80%
 Average illuminance at floor level: 40 lx.
 Uniformity: 0.53

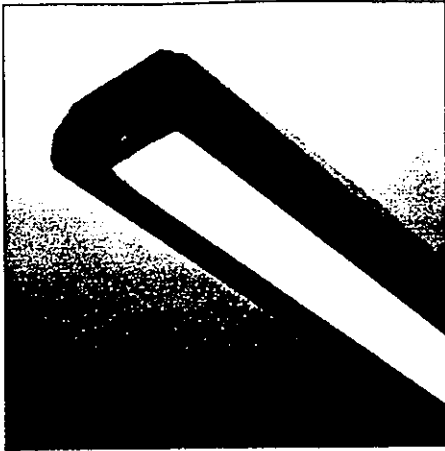
These luminaires are used as uplights for the uniform illumination of ceilings and indirect lighting.



Lamp (see page 158 - 159)



Tuscan series 840/842 & 843
IP55 IK10++



Tuscan 840/2 and 3 has been designed for T8 lamps with vandals and weather in mind. It is second only to the Designplan Rampart fitting in strength making it the second strongest standard fitting generally available.

The design features of Tuscan enable it to withstand considerable physical attack. It is also highly rated against ingress of moisture.

Surface, semi recess and angle mount, anti corrosive.

Zinc-coated steel body finished in chemical and abrasion resistant textured black polyester powder coat.

Switch start or high frequency control gear mounted upon removable tray.

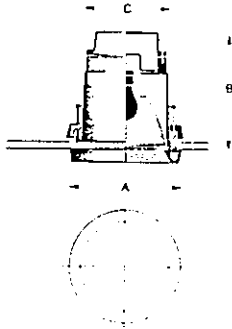
Plug and socket fused connector block to ease installation and maintenance.

Provision for conduit entry at ends.

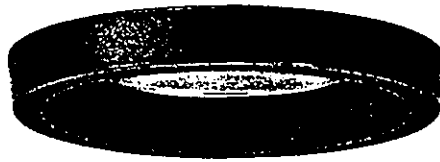
Clear diffused polycarbonate shallow dish sealed into heavy gauge steel frame with mastic compound.

Frame held by tamperproof countersunk stainless steel screws.

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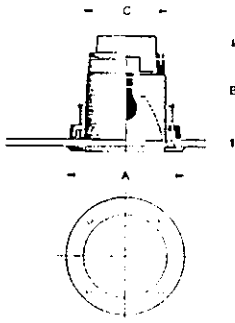


Aluminum alloy front ring



		Mercury vapour discharge lamps			Lumen	A	B	C	Weight
6239	Downlight	1	HME	50 W	2000	220	230	202	3.0 kg
6240	Downlight	1	HME	80 W	4000	255	250	240	4.8 kg
6169	Downlight	1	HME	125 W	6500	350	345	310	8.0 kg
6183	Downlight	1	HME	250 W	14000	350	345	310	9.0 kg

		Metal halide discharge lamps				A	B	C	Weight
broad spread									
6302	Downlight	1	HIT	35 W	3400	220	230	202	3.2 kg
6304	Downlight	1	HIT	70 W	5500	255	250	240	5.4 kg
6306	Downlight	1	HIT	150 W	12500	350	345	310	9.8 kg
very narrow beam									
6301	Downlight	1	HIT	35 W	3400	220	230	202	3.2 kg
6303	Downlight	1	HIT	70 W	5500	255	250	240	5.4 kg
6305	Downlight	1	HIT	150 W	12500	350	345	310	9.8 kg



STAINLESS STEEL front ring

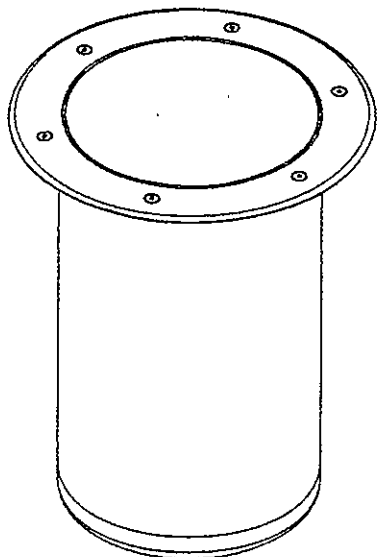


		Sodium vapour discharge lamps			Lumen	A	B	C	Weight
6749	Downlight	1	HME	50 W	2000	240	230	202	3.0 kg
6744	Downlight	1	HME	80 W	4000	275	250	240	4.8 kg

		Metal halide discharge lamps				A	B	C	Weight
broad spread									
6902	Downlight	1	HIT	35 W	3400	240	230	202	3.2 kg
6904	Downlight	1	HIT	70 W	5500	275	250	240	5.4 kg

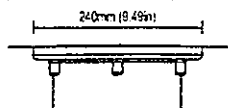
		Metal halide discharge lamps				A	B	C	Weight
very narrow beam									
6901	Downlight	1	HIT	35 W	3400	240	230	202	3.2 kg
6903	Downlight	1	HIT	70 W	5500	275	250	240	5.4 kg

STAINLESS STEEL



Recessed Cover

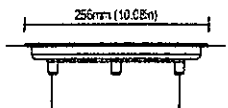
For concrete or similar surface, where no lid overhang desired.
(NOTE: Not suitable for drive over)



- ☒ Brass: Polished
- ☒ SS316: Polished
- ☒ SS316: Brushed

Flush Cover - Drive

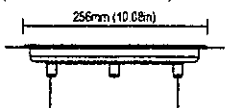
For surfaces where the lid has to cover a gap between fitting and surround.
(NOTE: Not suitable for drive over)



- ☒ Brass: Polished
- ☒ SS316: Polished
- ☒ SS316: Brushed

Flush Cover - Flush

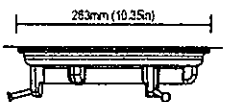
For surfaces where the lid has to cover a gap between fitting and surround.
(NOTE: Not suitable for drive over)



- ☒ Brass: Polished
- ☒ SS316: Polished
- ☒ SS316: Brushed

Pre-Installation - Decks & Grates

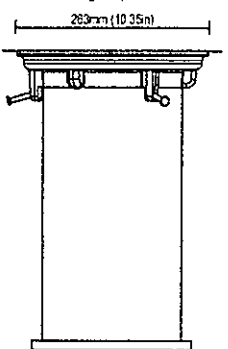
For hollow floors



- ☒ Brass: Polished
- ☒ Brass: Brushed
- ☒ SS316: Polished
- ☒ SS316: Brushed

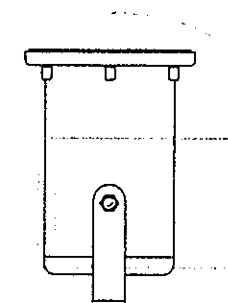
Pre-Installation - Concrete/Stone/Gravel

For drive over, for installation in to concrete or similar surface and for when it may be preferable to install mounting location and cable before installing lamp fixture.

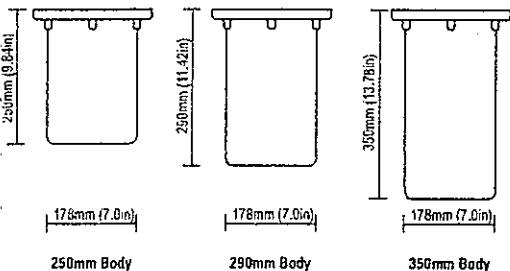


- ☒ Brass: Polished
- ☒ Brass: Brushed
- ☒ SS316: Polished
- ☒ SS316: Brushed

Pre-Installation



Body depth dependent upon configuration



Features

PureOptics & aluminium reflectors

- MH T6 35, 70, 150watts
35 & 70watts available with electronic ballast
- CFL 9, 18, 26watts
- HPS 50, 70 & 100watts
- MV 50, 80, 125watts

Other reflectors

- MH PAR30/38 35, 70, 100 & 150watts
35 & 70watts available with electronic ballast
- INC PAR30 (100watts max)
- INC PAR38 (150watts max)
- Halospot AR111 (100watts max)

Features

- Stainless steel - marine grade 316
- Modular gear trays - gear simply drops into place
- Variable lamp angle (fully adjustable)
- High temperature dynamic silicone seal with memory additive
- Self resetting thermal cut-out
- Exclusive moisture control
- Non-galling clinch nuts
- Easy maintenance

Features

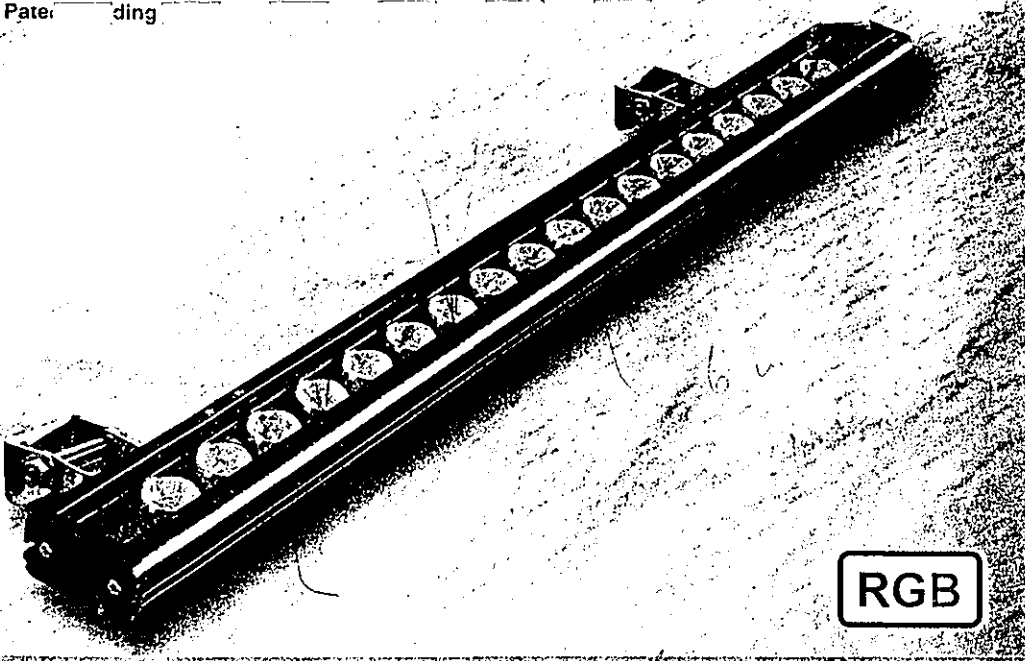
- Electronic ballast
- Human Touch
- Lens
 - Toughened Optiwhite™ glass
 - GripGlass
 - Borosilicate glass
- Fixture cover
 - Flush
 - Square flush
 - Recessed
- Installation
 - In ground / underwater
 - Ground mount bracket
 - Pre-installation - Decks & grates
 - Pre-installation - Concrete - drive over
- Cable entry location
 - Side
 - Bottom
- Ballast location
 - Integral
 - Remote

in ground / ground mount / underwater

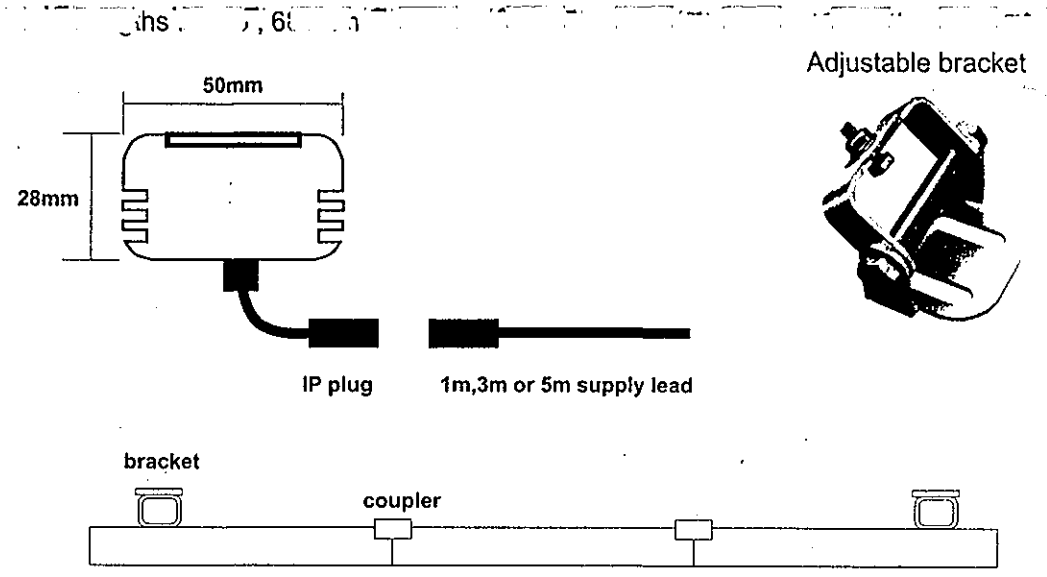
Lumascap Lighting Industries W/L guarantees the following product groups from the date of purchase against faulty workmanship or materials for: 1) Underwater-5 years; 2) Copper-10 years; 3) Aluminium-2 years; 4) Stainless Steel-10 years. Structural/12 months Electrical. All warranty claims must be returned to Lumascap Lighting Industries for assessment. There is no warranty offered on lamps other than lamp manufacturers warranty if any. Lumascap Lighting Industries accepts no responsibility for damage to any ancillary equipment or nonconformances caused by the failure of our products. Lumascap Lighting Industries reserves the right to alter fittings or specifications at any time.

www.lumascap.com.au

LUMASCAPE HEAD OFFICE T 07 3251 2291 F 07 3256 6531	LUMASCAPE BYRNEY - NSW T 02 9519 5250 F 02 9519 4934	LUMASCAPE HELDERSBANE - VIC T 03 9586 1908 F 03 9516 1700	N.L. LIGHTING LUMASCAPE AGENT - WA T 02 9321 5472 F 08 9321 5561	RAE LIGHTING LUMASCAPE AGENT - SA T 08 3334 1032 F 08 8331 1031	LIGHTING ADVISORY SERVICES LUMASCAPE AGENT - NTH QLD T 07 4031 4430 F 07 4031 5333	EDGE LIGHTING LUMASCAPE AGENT - NT T 01 371 9540 F 09 304 8376	LUMASCAPE USA INC Free Call 1-866-445-LUMA(5682) T 1-4526-5395 FAX 1-4526-5371 1-4526-5376-5823
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RGB



Colada - IP67

Colada is a surface mounted universal linear system that can be mounted individually or continuously. Adjustable stainless steel brackets allow fine aiming and easy installation. Continuous couplers allow less mounting points.

- Sealed to IP67 using our unique laminated UV stabilisation process
- Extremely durable
- Compact size
- 50,000 hour lamp life - environmentally friendly
- various LED colours
- multiple applications eg. wall washing, highlighting canopies, decoration
- multiple surfaces - lightweight
- low power consumption
- rapid installation
- adjustable aiming
- various beam angles - 5° , 15° , 25° or even asymmetric 8x25°

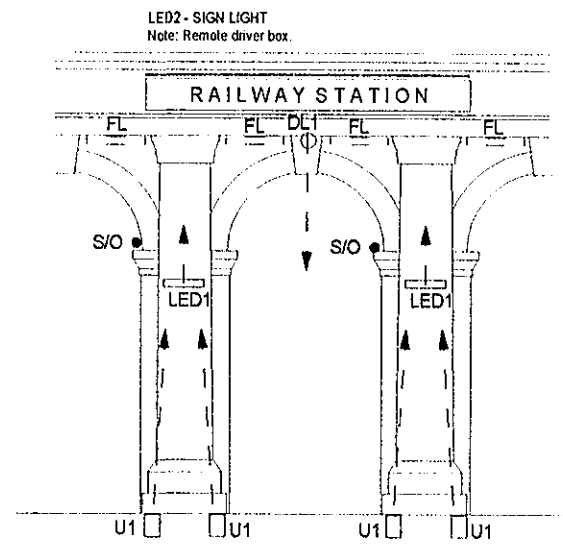
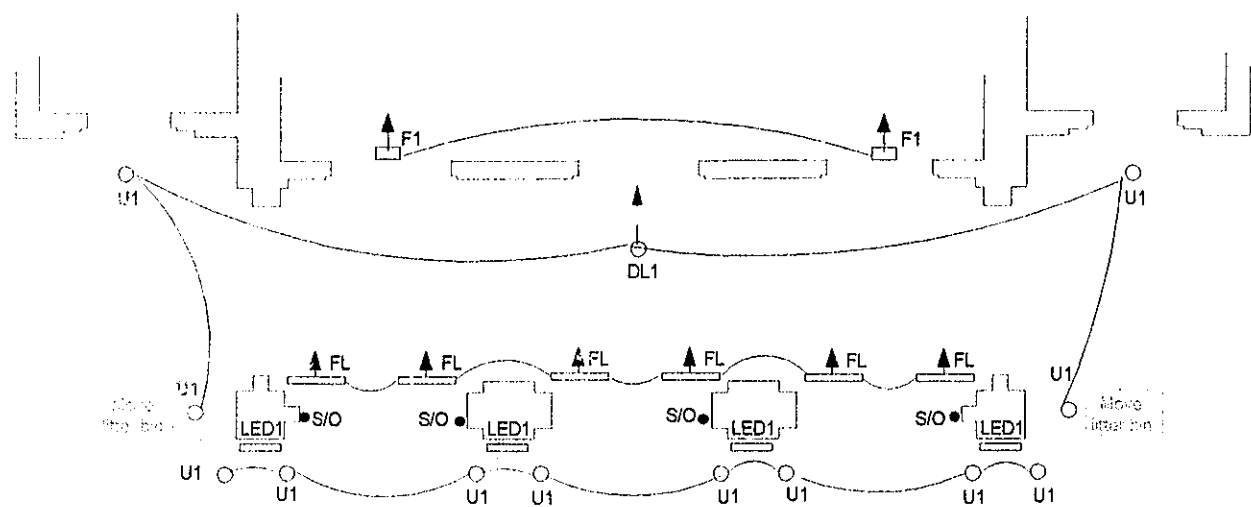
Technical specifications

Ambient range	-15°C to +40°C
Construction	Aluminium body , laminated lens
Finish	Black or Silver standard & other available.

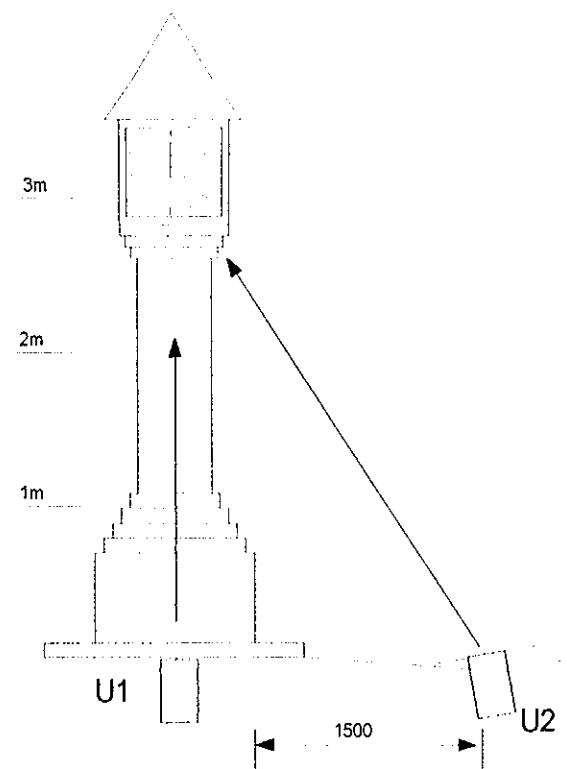
Product codes

CD - B - 03 - ■■ - □□	single Colada 365mm 3xLEDs - black finish
CD - B - 09 - ■■ - □□	single Colada 365mm 9xLEDs - black finish
CD - S - 03 - ■■ - □□	single Colada 365mm 3xLEDs - silver finish
CD - S - 09 - ■■ - □□	single Colada 365mm 9xLEDs - silver finish
CD - B - 06 - ■■ - □□	single Colada 685mm 6xLEDs - black finish
CD - B - 18 - ■■ - □□	single Colada 685mm 18xLEDs - black finish
CD - S - 06 - ■■ - □□	single Colada 685mm 6xLEDs - silver finish
CD - S - 18 - ■■ - □□	single Colada 685mm 18xLEDs - silver finish
VE - BKT - SS	single stainless steel adjustable bracket
VE - CC	continuous coupler to join 2 colada end to end
VE2 - 1m	1m supply lead with plug
VE2 - 3m	3m supply lead with plug
VE2 - 5m	5m supply lead with plug

■■ insert colour code □□ Insert beam angle 005 , 015 , 025 , 825

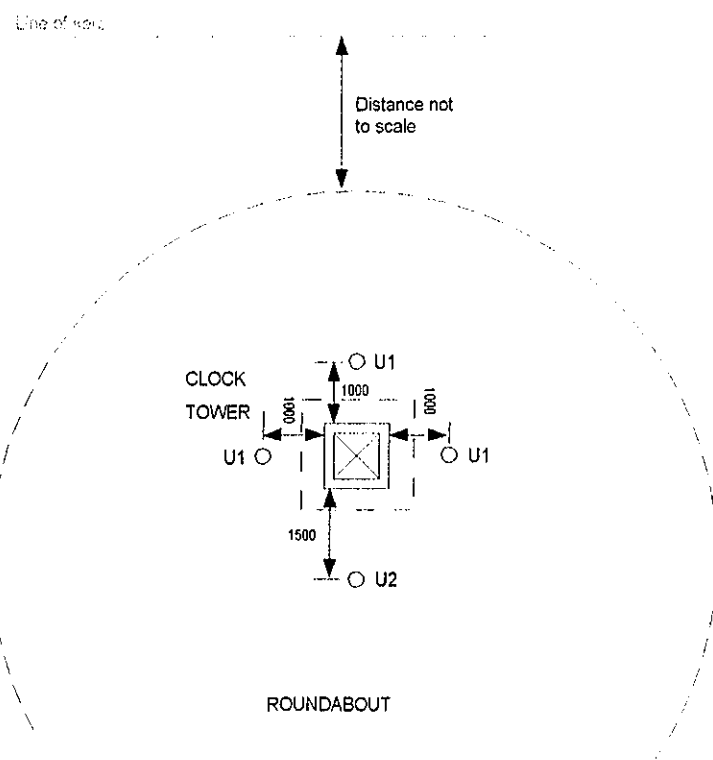



TYPICAL PORTICO ARRANGEMENT.



Note: In-ground uplights to be set tilted at 16 degrees towards the clock tower.

Scale 1/50





 NEWCOMBE HOUSE
 21 MARKET PLACE
 WOLSINGHAM
 BISHOP AUCKLAND
 Co DURHAM
 DL13 3AB
 TEL / FAX 01388 527809
 E Mail: LDC@hghingconsultants.co.uk

INDEPENDENT PROFESSIONAL LIGHTING ADVICE AND DESIGN
 PROJECT: SALT BURN STATION PORTICO
 TITLE: LIGHTING LAYOUT
 SCALE: 1/125
 PLOT: AS
 DRAWN: MMH
 DATE: 14/10/05
 DRAWING NO: LDC534
 REF: -