

## LEGEND

L1 - REPLACEMENT ALUMINIUM HANDRAIL 80W T5 LAMPS

L2 - 100W TUNGSTEN HALOGEN SUBMERSIBLE UPLIGHTERS SET WITHIN CONCRETE SURROUND

L3 - 70W CDMT BURIED UPLIGHTER SET WITHIN PLANTER

L4 - T5 LAMP COMBINED LIGHT BOX TO EXISTING CANOPY

L5 - 35W CDMT HIGH LEVEL COLUMN DOWN LIGHTERS

L6 - 42W PL NARROW ANGLE DOWN LIGHTERS BELOW LANDING.

L7 - 70W CDMT SOFFIT MOUNTED GENERAL DOWN LIGHTERS

L8 - DELETED

L9 - FREE STANDING ETCHED GLASS WAYFINDING PANEL

L10 - LINEAR WHITE LED LUMINAIRE LOCATED IN STRUCTURAL RECESS

L11 - LINEAR WHITE LED LUMINAIRE LOCATED UNDER STRUCTURAL OVERHANG

L12 - IP 54 LINEAR FLUORESCENT LUMINAIRE ON COLUMN TOP

TYPE L1

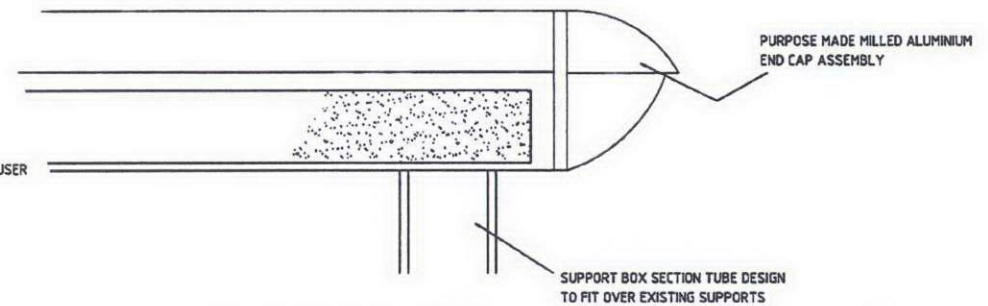
EXTRUDED ALUMINIUM SEMI SECTION  
FITTED TOGETHER POST FINISHING

IP65 RATED 80W TS SPINE LUMINAIRE  
C/W HIGH FREQUENCY BALLAST AND THROUGH  
WIRING PLUG AND SOCKET

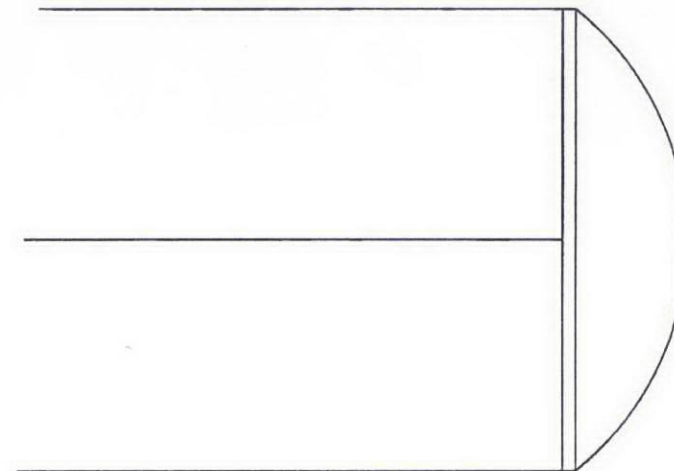
OPAL POLYCARBONATE DIFFUSER

CONNECTION BOLTS

SECTIONAL END ELEVATION



SIDE ELEVATION



PLAN

|                                                                                                                                                                             |          |       |       |     |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|-------|-----|-----|
| Project<br>CENTER POINT                                                                                                                                                     |          |       |       |     |     |
| Title<br>DETAIL OF MULTILAMP HAND RAIL                                                                                                                                      |          |       |       |     |     |
| <i>Specials Lighting Design Limited</i><br><small>             T. 01273 800000 F. 01273 800000<br/>             100 100 Church Street, Brighton, BN1 1PH           </small> |          |       |       |     |     |
| Drawn By                                                                                                                                                                    | Check    | Drawn | Drawn | Rev | Rev |
| C. P. M. S.                                                                                                                                                                 | 08.03.07 | NTD   | 12.78 | 01  | 0   |

TYPE L2

# *Specials Lighting Design Limited*

RDH.SUB.BCP.



TYPE L2 100 WATT SUBMERSIBLE MAINS TUNGSTON HALOGEN SPOT LIGHT  
BUILT WITHIN PURPOSE MADE CONCRETE HOUSING

DIAMETER 145 MM  
LENGTH 150 MM

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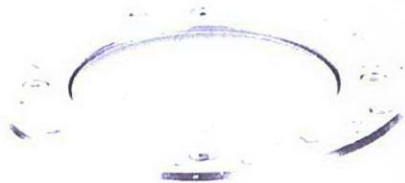
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34-35 Central House, High Street, Ongar, Essex, CM5 9AA

# Specials Lighting Design Limited

## LUMINAIRE TYPE L3

FMU.070.BCP-9002



IP 67 IN-GROUND UPLIGHTER  
STAINLESS STEEL FRONT PANEL AND SCREWS  
CORROSION RESISTANT DIE-CAST ALUMINIUM BODY  
SUPPLIED WITH RECESS BOX FOR INSTALLATION  
FROSTED TEMPERED GLASS  
SILICONE RUBBER GASKET  
PG9 BRASS NICKEL PLATED CABLE ENTRY GLAND

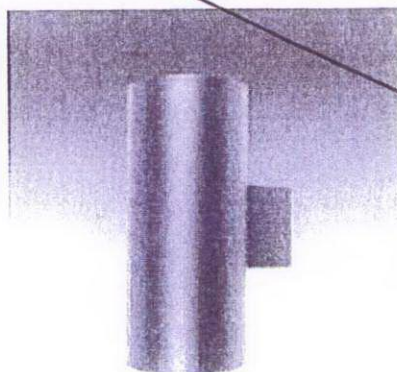
APPLICABLE LAMP:  
FMC-050.10D 1 X 50W 10° LOW VOLTAGE REFLECTOR LAMP  
FMC-050.36D 1 X 50W 36° LOW VOLTAGE REFLECTOR LAMP  
FMC-035.M 1 x 35W CDMT MEDIUM BEAM REMOTE GEAR  
FMC-070.M 1 x 70W CDMT MEDIUM BEAM REMOTE GEAR

|                       |     |
|-----------------------|-----|
| LAMP HEAD DIMENSIONS: | MM  |
| DEPTH                 | 125 |
| DIAMETER              | 125 |

|                 |       |
|-----------------|-------|
| REMOTE GEAR BOX |       |
| LENGTH          | 340mm |
| WIDTH           | 220mm |
| DEPTH           | 65mm  |

FOR OPAL GLASS REPLACE C WITH O IN PRODUCT CODE

CWMDU-5001



IP 54 CLASS I  
WALL MOUNTED LUMINAIRE  
EXTRUDED ALUMINIUM BODY  
DIE-CAST ALUMINIUM TOP AND BOTTOM COVER  
SAFETY TEMPERED GLASS  
DIE CAST ALUMINIUM WALL BRACKET  
STAINLESS STEEL SCREWS  
UV STABILISED POLYESTER POWDER COATING  
SILICONE GASKET.

APPLICABLE LAMP:  
OD-5001 - 2 X 50W PAR 20  
OD-5002 - 2 X 75W PAR30  
OD-5003 - 2 X 100W PAR38

AVAILABLE COLOURS:  
BLACK  
SILVER  
WHITE

|                |     |
|----------------|-----|
| DIMENSIONS: MM |     |
| LENGTH         | 250 |
| WIDTH          | 165 |
| DEPTH          | 105 |



TYPE L4

TOUGHENED GLASS ROOF  
SECTION

EXISTING CANOPY STAINLESS  
STEEL BOX SECTION

PURPOSE MADE STAINLESS STEEL  
LUMINAIRE DESIGNED TO SPAN EXISTING  
SUPPORT ARMS AND HOUSING IP 65 TS LUMINAIRE  
C/W PLUG AND SOCKET

TYPE L4

GLASS SUPPORT ARMS

|                                                                                                                                                                                             |          |       |       |     |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|-------|-----|-----|
| Project<br>CENTER POINT                                                                                                                                                                     |          |       |       |     |     |
| Task<br>DETAIL OF ENTRANCE CANOPY LUMINAIRE                                                                                                                                                 |          |       |       |     |     |
| Specials Lighting Design Limited<br><small>T. 01753 800000 F. 01753 800001 www.specialsdesign.co.uk</small><br><small>Unit 24 Central Works, High Street, Chigwell, Essex, CH46 0JH</small> |          |       |       |     |     |
| Client                                                                                                                                                                                      | Date     | Scale | Drawn | Rev | Rev |
| G.Phillips                                                                                                                                                                                  | 01.03.07 | NTS   | 1379  | 01  | 0   |

TYPE L6

# Specials Lighting Design Limited

## RDH Surface Cans

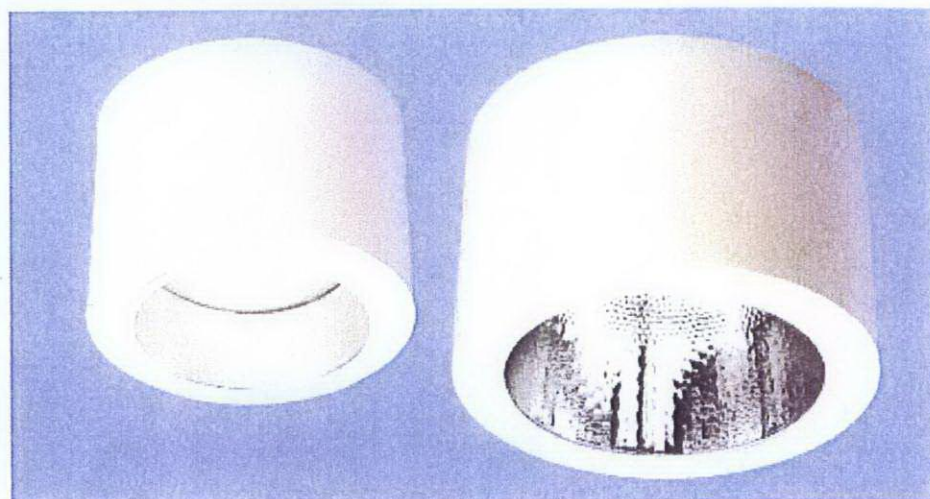
### Special Products

## TITAN



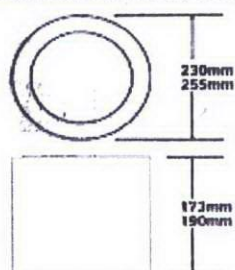
Titan  
Series

Surface  
Luminaires



### 4.43 SERIES

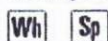
4.43 LUMINAIRE DIMENSIONS 100 and 200 SERIES



KEY:  
100 Series Dims  
200 Series Dims



Housing Colour Options



### Ordering Information

| REF. NO. | SERIES | DESCRIPTION                         | EM |
|----------|--------|-------------------------------------|----|
| 4.43100  | 100    | Accepts Luminaires with 192mm Bezel |    |
| 4.43200  | 200    | Accepts Luminaires with 237mm Bezel |    |

### Features

- For solid ceiling applications where Surface Mounted Downlights are required, the new Titan 100 and 200 Series are a perfect choice.
- The two sizes of the specifically designed Titan Surface Housing allow the integration of a wide range of single and multi-lamp Compact Downlighters, each Luminaire offering specific technical features as detailed in their specific ranges within the catalogue (see page 6.04 onwards) as follows: 6.64, 6.65, 6.66, 6.74, 6.75, 6.76, 6.79, 6.82. Please note lamp wattage restrictions apply.
- Where a greater level of Intensity is required, but utilising the same Titan 200 Series, the Discharge 5.54 Luminaire can be used (see page 5.04).
- Where Lamp life is a main criteria due to inaccessible locations, the new Philips 85W 60,000 hours QL Lamp can be utilised within the 5.57 range (see page 5.07).
- Should the project demand a condensed size of Luminaire but maintain the same high level of intensity as produced by Discharge Lamps then the Titan 100 Series can be used. Here you can incorporate the 5.55 CDM Downlight (see page 5.05) or the new 5.59 Adjustable Luminaire (see page 5.09).
- The design of the new Titan 100 and 200 Series allows the incorporation of Integral Electronic Control Gear.
- In a majority of instances, the Luminaire can be converted for Emergency operation for details please contact the Sales Office.
- The Luminaire is supplied as standard in a Fine-Text Ral 9010 finish with alternate colours available to special order.

To ensure lamp-gear compatibility, we recommend all luminaires are supplied complete with lamp(s)  
specification and dimensions are for guidance purposes only, we reserve the right to amend any product specifications without prior notification.

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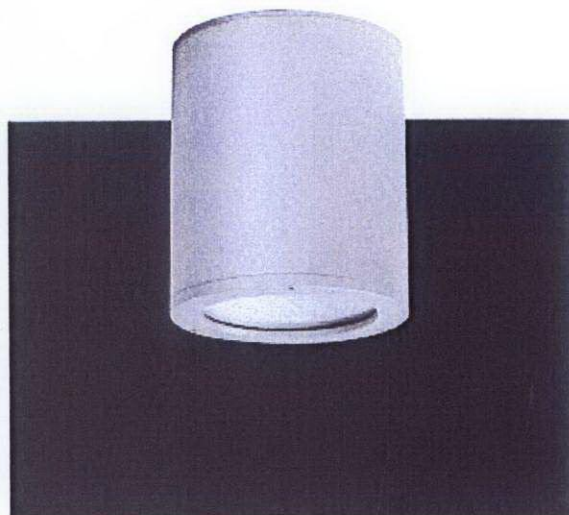
# *Specials Lighting Design Limited*

## TYPE L5

DIAMETER 140MM

HEIGHT 180MM

LAMP 1 X 35W CDMT NARROW BEAM

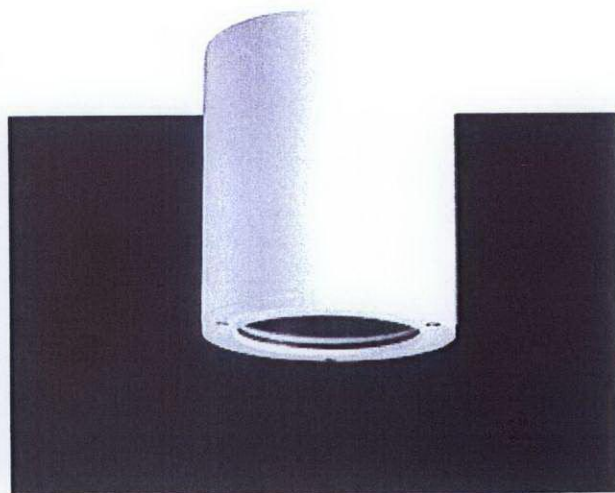


## TYPE L7

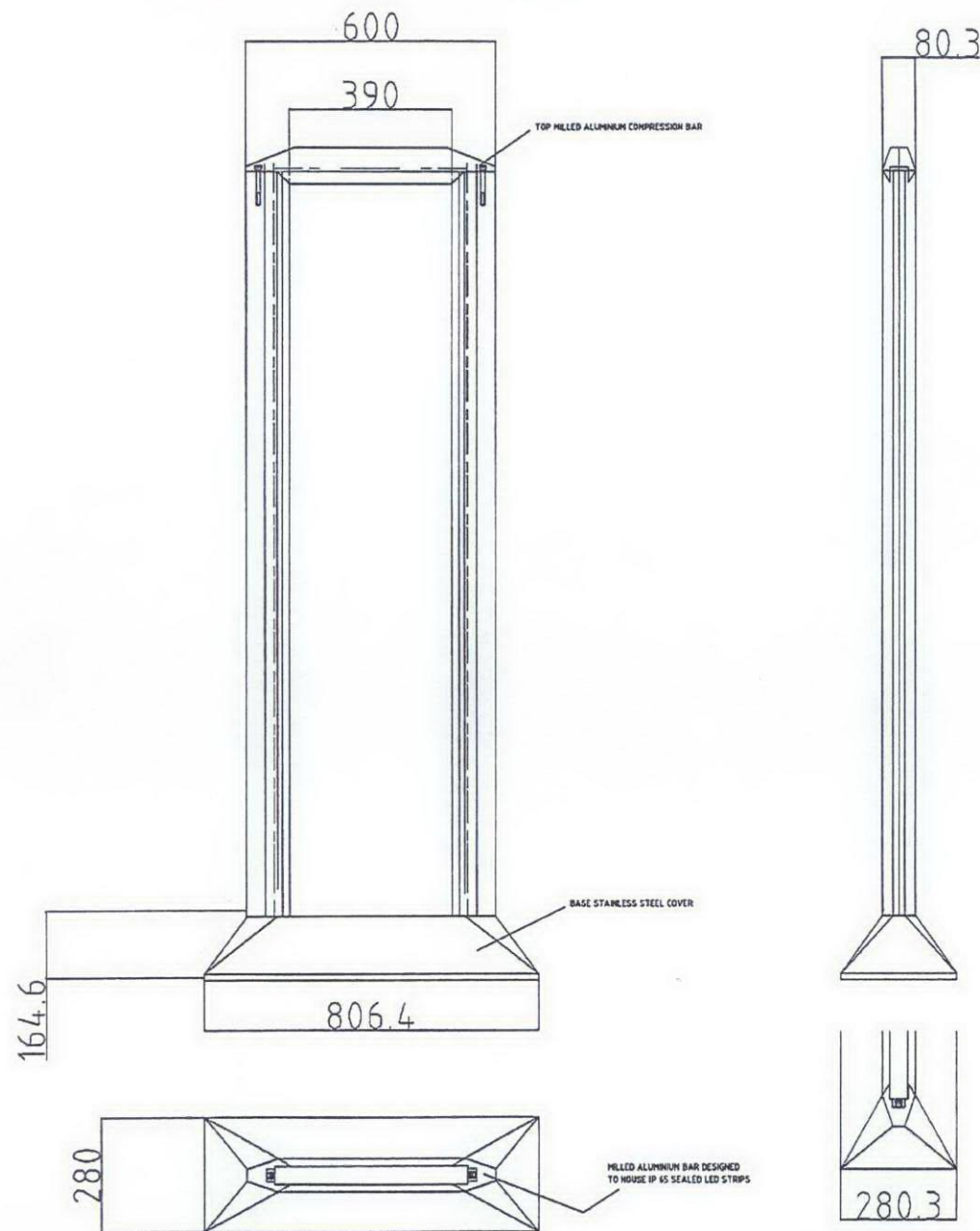
DIAMETER 175MM

HEIGHT 250MM

LAMP 1 X 70W CDMT WIDE BEAM



TYPE L9



## TYPE L10 - L11

### Insta - LED-Technik LED monochrome Hochvolt (HV)

#### LEDLUX® LH, LED-Lampe, 5,6 VA / 6,0 VA

mono

|                     |              |
|---------------------|--------------|
| Art. Nr. 5 8980 012 | 200 mm, weiß |
| Art. Nr. 5 8981 012 | 200 mm, blau |
| Art. Nr. 5 8982 012 | 200 mm, grün |
| Art. Nr. 5 8985 010 | 200 mm, rot  |
| Art. Nr. 5 8983 010 | 200 mm, gelb |
| Art. Nr. 5 8980 013 | 300 mm, weiß |
| Art. Nr. 5 8981 013 | 300 mm, blau |
| Art. Nr. 5 8982 013 | 300 mm, grün |
| Art. Nr. 5 8985 011 | 300 mm, rot  |
| Art. Nr. 5 8983 011 | 300 mm, gelb |

Sonderlängen auf Anfrage



#### Technische Daten

|                        |                                                                         |
|------------------------|-------------------------------------------------------------------------|
| Nennspannung           | 230 V AC, 50 Hz                                                         |
| Leistung               | 5,6 VA (200 mm Länge)<br>6,0 VA (300 mm Länge)                          |
| Leistungsfaktor        | ca. 0,25                                                                |
| Anzahl LED             | 14 / 21                                                                 |
| LED Bauform            | SMD                                                                     |
| Umgebungstemperatur ta | -20 bis +50 °C                                                          |
| Dimmbar                | nein                                                                    |
| Anschlussleitung       | 200 mm Leitung, 2 x 1,0 mm²                                             |
| Anreihbar              | ja                                                                      |
| Befestigung            | Profilkammern                                                           |
| Z-Dioden               | Absicherung jeder LED<br>gegen Komplettausfall                          |
| tc-Punkt               | nein                                                                    |
| Lötstopplack-Farbe     | weiß                                                                    |
| Schutzart              | IP 54 (höhere Schutzarten auf Anfrage)                                  |
| Schutzklasse           | II                                                                      |
| Maße                   | 200 / 300 x 18 x 20 mm                                                  |
| Lochabstand            | flexibel durch Profilkammern                                            |
| Lichttechnische Daten  | unter <a href="http://www.insta.de">www.insta.de</a> , oder auf Anfrage |

- Robuste Hochvolt-LED-Lampe im Gehäuse, lineare Ausführung
- Mit integrierter definierter Optik, Abstrahlwinkel 70°
- Einfache flexible Montage mittels Profilkammern
- Applikationen: Bodenlinien, Vouten- und Möbelbeleuchtung
- Optisch und mechanisch anreihbar. Bei Lichtbandanordnung helfen stirnseitige Rastungen zur optimalen Ausrichtung

Die LEDLUX® LH ist in Sonderlängen, wie auch mit Optik in diffuser Ausführung mit streuender Wirkung erhältlich. LEDLUX® L-Profil siehe Seite 114.

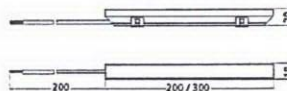
### Insta - LED technology LED monochrome high-voltage (HV)

#### LEDLUX® LH, LED lamp, 5.6 VA / 6.0 VA

mono

|                     |                |
|---------------------|----------------|
| Art. No. 5 8980 012 | 200 mm, white  |
| Art. No. 5 8981 012 | 200 mm, blue   |
| Art. No. 5 8982 012 | 200 mm, green  |
| Art. No. 5 8985 010 | 200 mm, red    |
| Art. No. 5 8983 010 | 200 mm, yellow |
| Art. No. 5 8980 013 | 300 mm, white  |
| Art. No. 5 8981 013 | 300 mm, blue   |
| Art. No. 5 8982 013 | 300 mm, green  |
| Art. No. 5 8985 011 | 300 mm, red    |
| Art. No. 5 8983 011 | 300 mm, yellow |

special lengths on request



#### Technical data

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| Rated voltage          | 230 V AC, 50 Hz                                                    |
| Capacity               | 5.6 VA (200 mm length)<br>6.0 VA (300 mm length)                   |
| Power factor           | approx. 0.25                                                       |
| Number of LED          | 14 / 21                                                            |
| LED shape              | SMD                                                                |
| Ambient temperature ta | -20 to +50 °C                                                      |
| Dimmable               | no                                                                 |
| Connection lead        | 200 mm cable, 2 x 1.0 mm²                                          |
| Switched in-line       | yes                                                                |
| Fastening              | clamps                                                             |
| Z-diodes               | protection of each LED<br>against complete failure                 |
| tc-point               | no                                                                 |
| Solder resist          | white                                                              |
| Protection             | IP 54 (higher protection on request)                               |
| Protection class       | II                                                                 |
| Dimensions             | 200 / 300 x 18 x 20 mm                                             |
| Hole spacing           | flexible by clamps                                                 |
| Luminous data          | see <a href="http://www.insta.de">www.insta.de</a> , or on request |

- Tough high-voltage LED lamp in the housing, linear design
- With integrated defined optics, radiation angle 70°
- Easy and flexible mounting by means of clamps
- Applications: floor lines, vaults, and furniture illumination
- Can be lined-up optically and mechanically. In case of light band arrangement, front-side latching help to align optimally

The LEDLUX® LH is available in special lengths as well as with optics for diffusing light distribution. LEDLUX® L-profile see page 114.

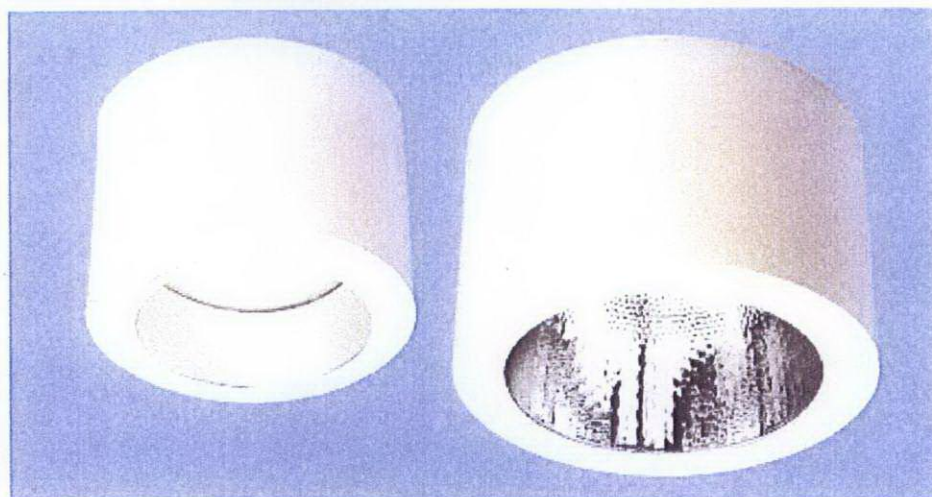
# Specials Lighting Design Limited

**RDH Surface Cans**

CAR PARK RAMP HIGH LEVEL

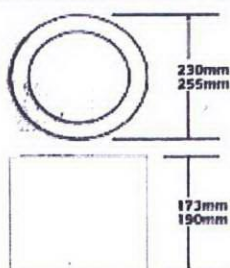
Special Products

TITAN



## 4.43 SERIES

4.43 LUMINAIRE DIMENSIONS 100 and 200 SERIES



KEY:  
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200 Series Dims



Housing Colour Options



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## Features

- Slim 100mm wide modern design with all polycarbonate construction
- SL Version at 60mm wide available for Single 28W & 35W versions only (not integral emergency)
- Silicone one piece gasket seal to give IP65 rating
- High frequency ballast as standard
- Powder Coated steel gear tray with quick release, stainless steel catches for easy maintenance
- Single or Twin T5 lamp configuration
- Supplied with waterproof 20mm cable glands, optional suspension plates and spare clips
- Clear polycarbonate diffuser with moulded prisms for maximum light output and controlled distribution
- Emergency versions manufactured in accordance with ICEL 1004:2003

Please contact our Technical Department for photometric data

## Ordering Information

| REF No. | Wattage   | L x W x H   | HF | HFR | DSI | DALI | EM |
|---------|-----------|-------------|----|-----|-----|------|----|
| NC128   | 28W TL5   | 1210x100x74 | ■  | ■   | ■   | ■    | ■  |
| NC228   | 2x28W TL5 | 1210x100x74 | ■  | ■   | ■   | ■    | ■  |
| NC135   | 35W TL5   | 1510x100x74 | ■  | ■   | ■   | ■    | ■  |
| NC235   | 2x35W TL5 | 1510x100x74 | ■  | ■   | ■   | ■    | ■  |
| NC149   | 49W TL5   | 1510x100x74 | ■  | ■   | ■   | ■    | ■  |
| NC249   | 2x49W TL5 | 1510x100x74 | ■  | ■   | ■   | ■    | ■  |
| NC128SL | 28W TL5   | 1210x60x74  | ■  | ■   | ■   | ■    | -  |
| NC135SL | 35W TL5   | 1510x60x74  | ■  | ■   | ■   | ■    | -  |

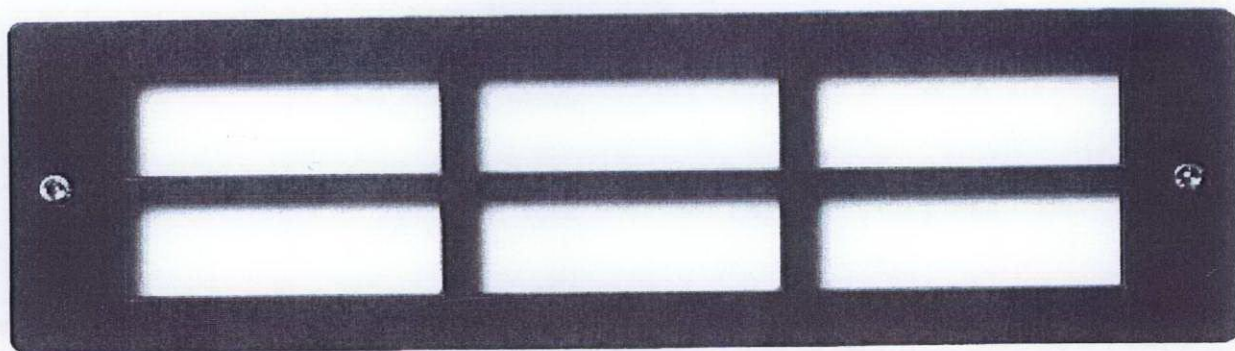
## Accessories

- Asymmetric/ wall wash reflector
- High performance MIRO aluminium "punch" reflector

# *Specials Lighting Design Limited*

CAR PARK RAMP

SERVICE RAMP WALL



SURFACE MOUNTD BRICK LIGHT

1 X 36W PLL

LENGTH 600MM

HEIGHT 150MM

DEPTH 115MM

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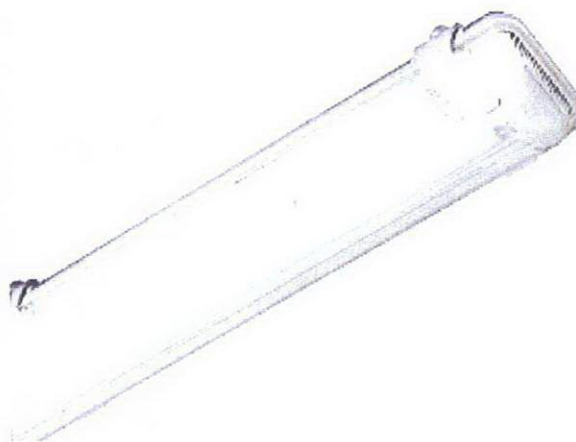
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# Specials Lighting Design Limited

## NC. Non-Corrosive- Linear lamp



CAR PARK HIGH  
LEVEL WALKWAY



Surface mounted GRP Moulded non corrosive luminaire suitable for external and hazardous applications.

Supplied as standard with high frequency ballast, polycarbonate linear prisms sealed diffuser and over centre latches.

Optional equipment, stainless steel clips and internal reflector systems.

Available for all linear fluorescent lamp options including high output T5

### Range Details

| Product Code  | Lampways   | L1   | L2  | W   | Gear           | Optional Equipment | Suffix |
|---------------|------------|------|-----|-----|----------------|--------------------|--------|
| NC.118.HF.... | 1 x 18w T8 | 666  | 260 | 120 | High Frequency | Emergency          | EM3    |
| NC.218.HF...  | 2 x 18w T8 | 666  | 260 | 180 | High Frequency | Narrow Reflector   | NR     |
| NC.136.HF.... | 1 x 36w T8 | 1268 | 600 | 120 | High Frequency | Wide Reflector     | WR     |
| NC.236.HF.... | 2 x 36w T8 | 1268 | 600 | 180 | High Frequency |                    |        |
| NC.158.HF.... | 1 x 58w T8 | 1570 | 600 | 120 | High Frequency |                    |        |
| NC.258.HF.... | 2 x 58w T8 | 1570 | 600 | 180 | High Frequency |                    |        |
| NC.170.HF.... | 1 x 70w T8 | 1868 | 600 | 120 | High Frequency |                    |        |
| NC.270.HF.... | 2 x 70w T8 | 1868 | 600 | 180 | High Frequency |                    |        |

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