

**DAMPA®**  
Marine Ceiling Systems



Technical Information  
**Design Integrated DCC 300 Luminaires**

# Design Integrated DAMPA DCC 300 Luminaires

## Product Description

The luminaires are designed to integrate both aesthetically and functionally with the DAMPA DCC 300 Ceiling System - providing all support needed.

Luminaires can be ordered to be installed either parallel or crosswise to the length of DCC 300 ceiling panels. Crosswise luminaires integrate also with DCC 200 ceiling panels.

## Types and Executions

### A-versions

#### Parallel to DCC 300 ceiling panels

2 x 11 W/PL  
1 x 60 W incandescent  
2 x 18 W  
2 x 36 W

### B-versions

#### Crosswise to DCC 300 ceiling panels

2 x 18 W  
2 x 36 W  
(will integrate also with  
DCC 200 Ceiling Panels)

## Main Features

Designed Integrated DAMPA DCC 300 Luminaires offer the following main features and advantages:

- Fulfil B-0 classification without additional overlay insulation.
- Low building/installation height.
- Fast and easy installation.
- Reduced total installation costs.

## Cost Saving Integration

Pre-positioned DAMPA luminaires can be included in the pre-cut ceiling supply, hereby saving both time, materials and total installation cost. DAMPA can also offer assistance with layout proposals and full material take-off.

## How to Specify and Order

### Identification Coding

| Type: | DCC | A- | 1- | 220 | 220 V | /60 Hz | ELO   |
|-------|-----|----|----|-----|-------|--------|---|
|       |     |    |    |     |       |        | Type of emergency light   |
|       |     |    |    |     |       |        | Frequency   |
|       |     |    |    |     |       |        | Voltage   |
|       |     |    |    |     |       |        | Number of tubes & wattage<br>(220 = 2 x 20/18 W; 240 = 2 x 40/36 W )                      |
|       |     |    |    |     |       |        | Type of Diffuser (1 = Opal open cube louvre)  |
|       |     |    |    |     |       |        | Direction of luminaire<br>A = parallel to ceiling units<br>B = crosswise to ceiling units |
|       |     |    |    |     |       |        | Ceiling type  |

## General Information

### Packaging

Luminaires are supplied complete with frames and installation attachments in non returnable cardboard boxes, easy to stack for optimum handling and storage. The boxes are delivered on non returnable pallets suitable for forklifting. All packing materials are environmentally friendly and recyclable, suitable for both truck delivery and containerised shipment. All materials to be stored under cover in a dry and ventilated area.

### Identification and Handling on Site

All information required for easy and efficient handling on site can be found on labels on the box end. The labels provide information such as box content and location.

### Reliable Delivery

Fast and reliable delivery is the trademark of DAMPA's modern and flexible production facilities.

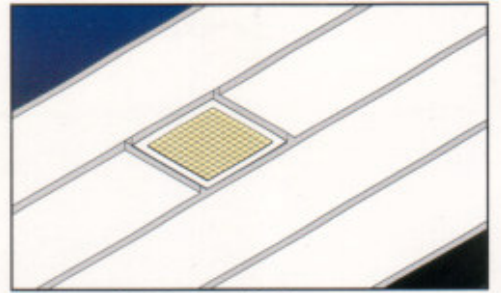
### International Shipping

DAMPA's production facilities are situated close to the European highway system with swift access also to main ports for international shipping.

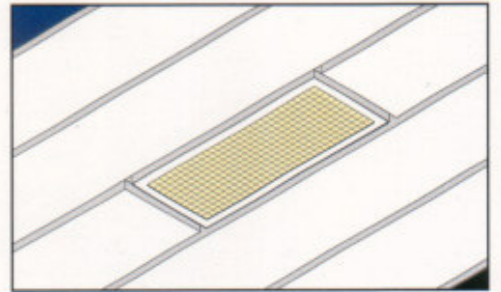
### References

The trust in DAMPA Products and expertise is proudly reflected in more than 2,500 shipbuilding projects, with more than 3 million sq.m of ceilings installed - many with DAMPA DCC 300 Luminaires.

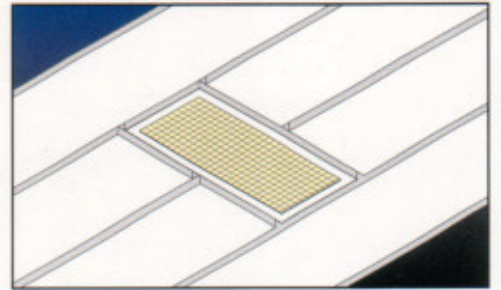




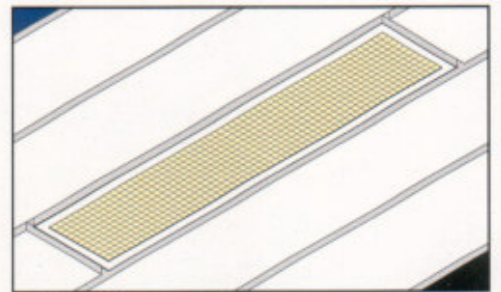
DCC 1 x 60 W or 2 x 11 W



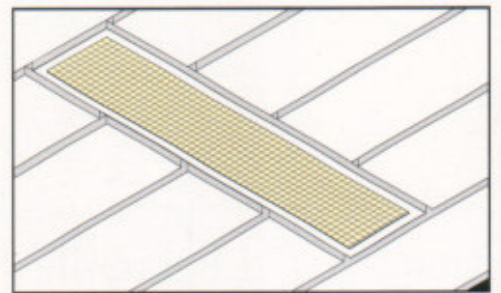
DCC 2 x 18 W, type A



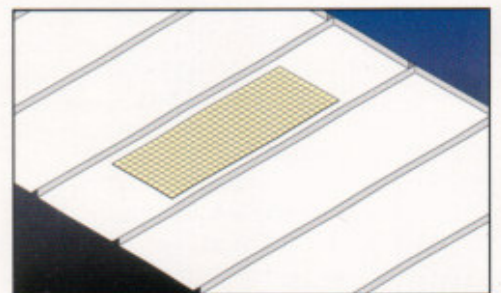
DCC 2 x 18 W, type B



DCC 2 x 36, type A



DCC 2 x 36, type B



Extended Frame for DCC 1 x 60, 2 x 11 and 2 x 18 W, type A

## Technical Data

### Materials and Colours

The luminaire body and frame are made of steel.

The inside of the body is powder coated white and the visual parts of the demountable frame are painted in colour to match the ceiling.

### Standard Attachments

Luminaires are supplied complete with frames and mounting brackets. Light sources are not included.

### Weight

The weight of the complete luminaire is as follows:

|          |   |         |
|----------|---|---------|
| 2 x 11 W | = | 4.5 kg  |
| 1 x 60 W | = | 3.4 kg  |
| 2 x 18 W | = | 5.9 kg  |
| 2 x 36 W | = | 10.2 kg |

### Electrical Specification

Protection class: IP 20

Voltage/Frequency:

220 V/60 Hz, 230 V/50 Hz.

(Other voltages and frequencies on request)

Power factor corrected.

Please specify as required.

See illustrations on the back.

Execution: CE-marking according to European Standard EN 60598 and rules of relevant classification societies.

Flexible internal wiring, heat resistant up to 90° C.

Electrical connection through one of 5 each Ø 20.5 mm 'blind' holes at the top of the luminaires to suit PG 16 glands.

### Diffusers

The following types/code Nos. are available as standard:

- 1 = Opal Open Cube Louvre
- 6 = Clear Prismatic Acrylic Sheet

The following types/code Nos. are available as optional extras:

- 2 = Silver Low Luminous Louvre
- 8 = Opal Polycarbonate Sheet
- 11 = Red Acrylic Sheet + Black Louvre/Bridge-Nightlight  
(Not available for 2 x 36 W)

### Extended Frames

All A-version luminaires - except 2 x 36 W - can as optional extras be supplied with extended frames.

This improves both the aesthetical appearance and further simplifies the installation in narrow areas like corridors, etc.

The luminaires are always to be positioned centrally.

Extended Frames are supplied separately complete with diffuser, B-0 insulation material and painted in ceiling colour.

Sizes made to order:

Small, length 655-1099 mm

Large, length 1100-1500 mm

### Emergency Light

Standard Luminaires are:

ELO = No Emergency light.

The following executions are available as optional extras:

EL1 = 24 V DC Bulb Socket E-14

EL3 = 24 V DC Bulb Socket B-15d

EL6 = Emergency battery back-up/automatic recharge from main

power supply for 2 x 18 W and 2 x 36 W luminaires.

Operating time 180 min. on one tube.

Supplied pre-wired incl. one meter cable/type mprx 12 x 1.5 mm<sup>2</sup>.

Batteries are to be placed on top of possible additional B-15 insulation material.

### High Frequency Ballast

Luminaires type 2 x 18 and 2 x 36 W can as optional extras be supplied with HF ballast or prepared for HF dimming 1-10 V.

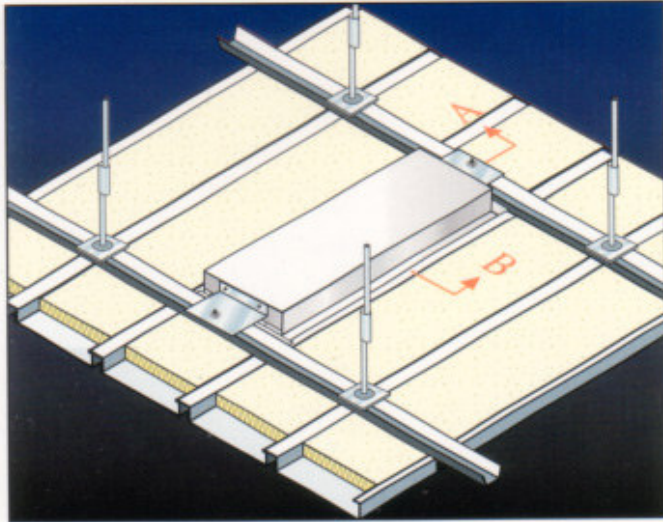
The dimming regulator can be supplied as possible separate item.

### IMO Resolution Compliance

The luminaires fulfil as standard B-0 classification and have been fire tested as an integrated part of the DAMPA DCC 300 Ceiling System, in a full scale fire test according to IMO Resolution A.754 (18) - and approved by all leading classification societies and national administrations.

For possible B-15 classification only the top backside of the luminaire requires to be insulated with 50 mm of fire batts, density 110 kg/m<sup>3</sup>.

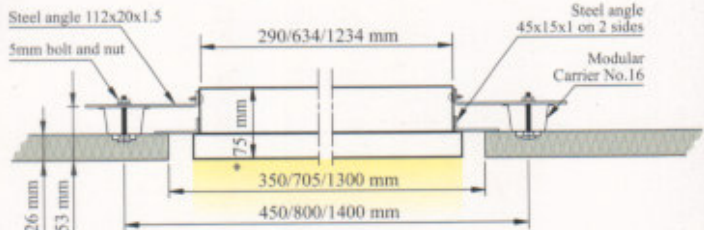
## Installation Details



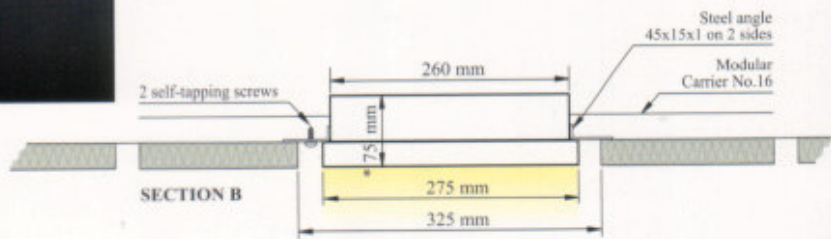
### A-versions

Parallel to DCC 300 panels

2x11- and 1x60 W / 2x18 W / 2x36 W

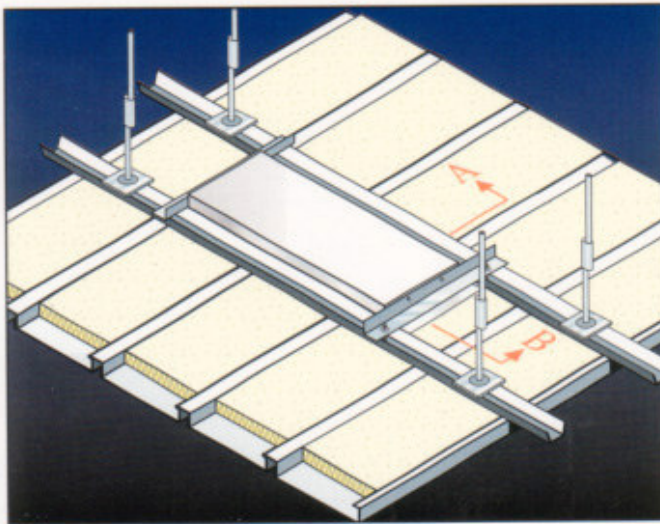


SECTION A



SECTION B

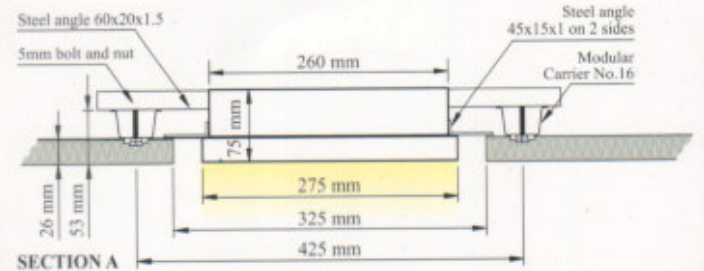
\* DCC 2x11 W or 1x60 W = 105 mm



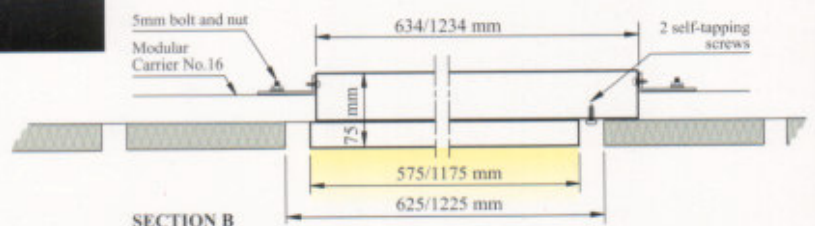
### B-versions

Crosswise to DCC 300 and 200 ceiling panels

2x18 W / 2x36 W



SECTION A

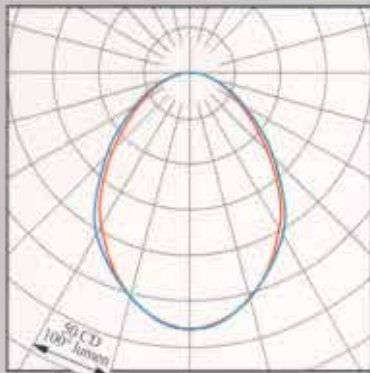


SECTION B

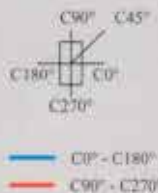
## Installation Principles

1. Secure the mounting brackets to the end of the luminaires.
2. Install the luminaires so that the modular carriers support the mounting brackets.
3. When in position secure mounting brackets to the carrier by use of the 5 mm screws, washers and nuts.
4. Complete the electrical connections.
5. B-0 classification is fulfilled without any additional insulation. For possible B-15 classification only the top backside of the luminaires is required to be insulated with 50 mm of fire batts, density 110 kg/m<sup>3</sup>.
6. Install light source.
7. Install surrounding ceiling panels.
8. Install diffuser frame and secure position with 2 self-tapping screws.

## Intensity Distribution



DCCA 2 x 18 W direct downwards with opal open cube louvre.  
Light output ratio: 59%  
Distribution curve  
No.: i9401181.sb

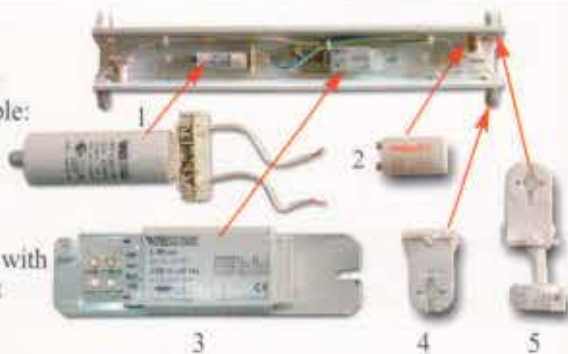


DCCA 2 x 18 W direct downwards with clear prismatic acrylic sheet.  
Light output ratio: 53%  
Distribution curve  
No.: i9401182.sb

## Spare Parts

Following spare parts are available:

1. Capacitor
2. Starter
3. Ballast Unit
4. Lamp holder
5. Lamp holder with starter socket



To enable us to identify correct spare part requested, the type of luminaire and execution are to be defined as described under 'How to Specify and Order'.

## Diffusers for Luminaires

Standard



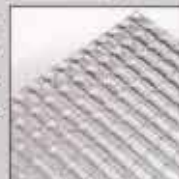
No. 1  
Opal Open  
Cube Louvre



No. 6  
Clear Prismatic  
Acrylic Sheet

Optional

No. 2  
Silver Low  
Luminous  
Louvre



No. 8  
Opal  
Polycarbonate  
Sheet



No. 11  
Red Acrylic  
Sheet + Black  
Louvre  
(Bridge-Nightlight)



All products are subject to modifications without prior notice.



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