

DAMPA®
Marine Ceiling Systems



Technical Information
Design Integrated
DAMPA DCC 300 Light Fittings

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

Main Features

DAMPA DCC 300 Light Fittings offer the following main features and advantages:

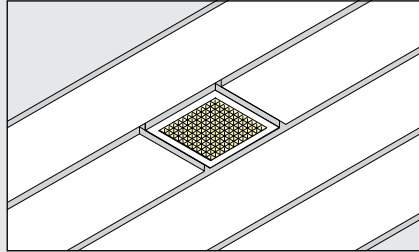
- Fulfil B-0 classification without additional insulation.
- Low building/installation height.
- Fast and easy installation.
- Reduced total installation costs.

Cost Saving Integration

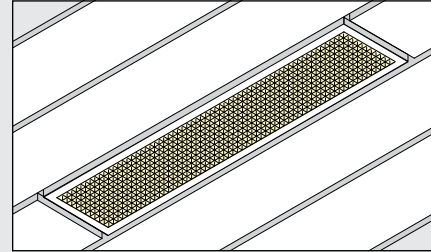
Pre-positioned DAMPA Light Fittings can be included in the pre-cut ceiling supply, hereby saving both time, materials and total installation cost. DAMPA can also offer assistance with layout proposals and full material take-off.

DAMPA DCC 300 Light Fitting Executions

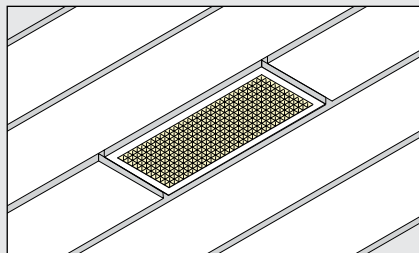
DAMPA Light Fittings are always to be installed parallel to the length of DCC 300 ceiling panels.



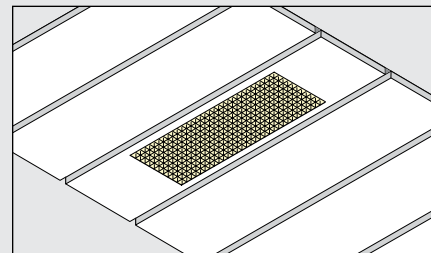
DCC 1x60 W incandescent or 2x11 W / PL



DCC 2x36 W



DCC 2x18 W



Extended Frame for DCC 1x60 W, 2x11 W and 2x18 W

How to Specify and Order

Identification Coding

Type:	DCC	A-	1-	2x18	220 V	/60 Hz	ELO
					Voltage	Frequency	Type of emergency light
					Number of tubes & wattage (1x60, 2x11, 2x18 or 2x36)		
					Type of Diffuser (1 = Opal open cube louvre)		
					Direction of light fitting A = parallel to ceiling units		
					Ceiling type		

Packaging

DAMPA Light Fittings 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. The materials have to be stored under cover in a dry and ventilated area.

Identification & Handling on Site

For easy and efficient handling on site all boxes are provided with labels that inform about the content.

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 Light Fittings.

Materials and Colours

DAMPA Light Fittings are made of steel and are as standard powder painted in DAMPA colour "Pure White" 4747-R (similar to RAL 9010). The visual parts of the demountable frame can on request be supplied also in other colours to match the ceiling.

Standard Attachments

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

Standard Weight

The weight of the complete light fitting is as follows:

2x11 W = 4.5 kg

1x60 W = 3.4 kg

2x18 W = 5.9 kg

2x36 W = 10.2 kg

Electrical Specification

IP 20: Protection class, standard

IP 44: Diffuser closed with silicone

Voltage/Frequency:

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

Power factor corrected.

(Other voltages and frequencies on request)

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 2x36 W)

See illustrations on the back.

Extended Frames

All DAMPA Light Fittings - except 2x36 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 light fittings 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 light fittings 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 2x18 W and 2x36 W light fittings.

Operating time 180 min. on one tube.

Supplied pre-wired in separate box incl. one meter connecting cable/type mprx 12x1.5 mm².

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

High Frequency Ballast

DAMPA Light Fittings type 2x18 W and 2x36 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

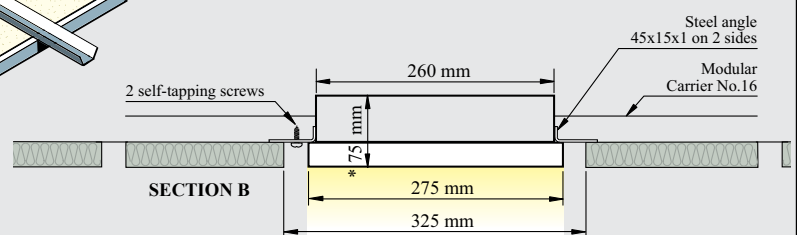
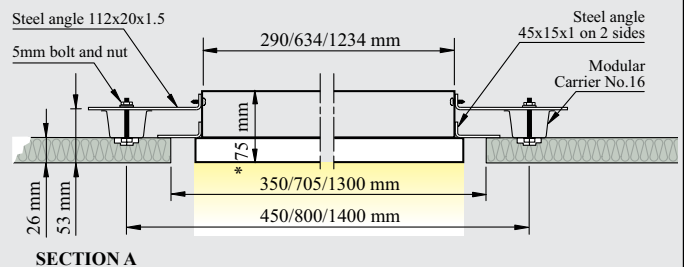
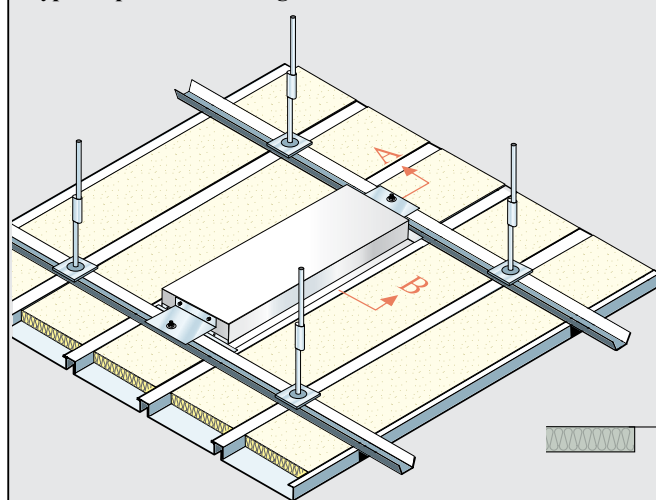
The DAMPA Light Fittings fulfil as standard B-0 classification and have been fire tested as an integrated part of the DAMPA DCC 300 Ceiling System, in a full scale fire test according to IMO Resolution A.754 (18) - and approved by all leading classification societies and national administrations.

For possible B-15 classification only the top rearside of the luminaire requires to be insulated with 50 mm of fire batts, density 110 kg/m³.

Installation Principles

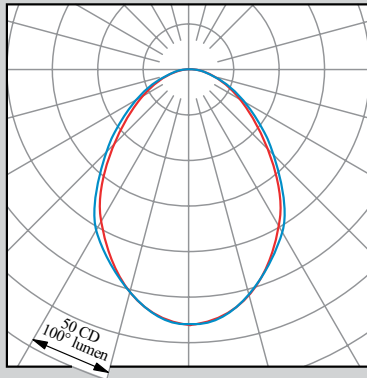
1. Secure the mounting brackets to the end of the luminaires.
2. Install the light fittings so that the ceiling modular carriers support the mounting brackets.
3. When in position secure mounting brackets to the carrier by use of the 5 mm screws, washers and nuts.
4. Complete the electrical connections.
5. B-0 classification is fulfilled without any additional insulation. For possible B-15 classification only the top rearside of the light fitting is required to be insulated with 50 mm of fire batts, density 110 kg/m³.
6. Install light source.
7. Install surrounding ceiling panels.
8. Install diffuser frame and secure position with 2 self-tapping screws.

Type A - parallel to ceiling units

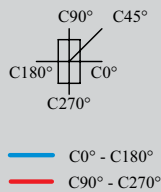


* DCC 2x11 W or 1x60 W = 105 mm high

Intensity Distribution



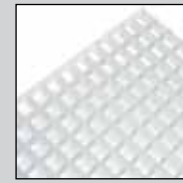
DCCA 2x18 W direct downwards with opal open cube louvre.
Light output ratio: 59%
Distribution curve
No.: i9401181.sb



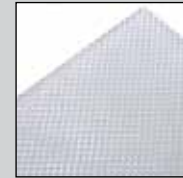
DCCA 2 x 18 W direct downwards with clear prismatic acrylic sheet.
Light output ratio: 53%
Distribution curve
No.: i9401182.sb

Diffusers for Light Fittings

Standard



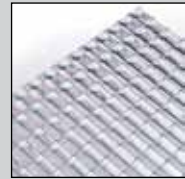
No. 1
Opal Open
Cube Louvre



No. 6
Clear Prismatic
Acrylic Sheet

Optional

No. 2
Silver Low
Luminous
Louvre



No. 8
Opal
Polycarbonate
Sheet



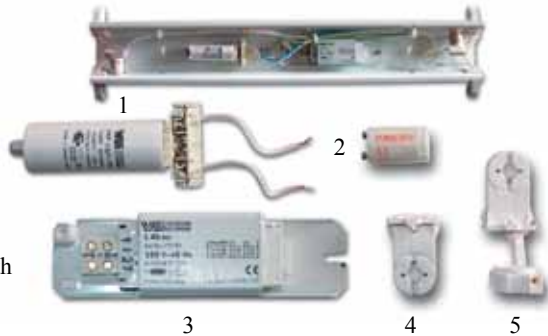
No. 11
Red Acrylic
Sheet + Black
Louvre
(Bridge-Nightlight)



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 light fitting and execution are to be defined as described under 'How to Specify and Order'.

All products are subject to modifications without prior notice.



DAMPA®

Marine Ceiling Systems

DAMPA ApS, DK-5690 Tommerup

Phone: +45 63 76 13 20, fax: +45 63 76 13 99, e-mail: dampa@dampa.dk, www.dampa.com