



Long Life Reliability
does not cost the earth

Ripley Drive, Normanton,
West Yorkshire. WF6 1QT

Title: 1022 - LED Gear trays

Doc. Ref: D0410501 - 1022 - Saloon Luminaire gear trays.

Issue	ECN. No.	Prepared By	Date	Checked & Approved By	Date
01		L.Wade	18/06/14		
02					
03					

Approved for Manufacture

By:

Date:

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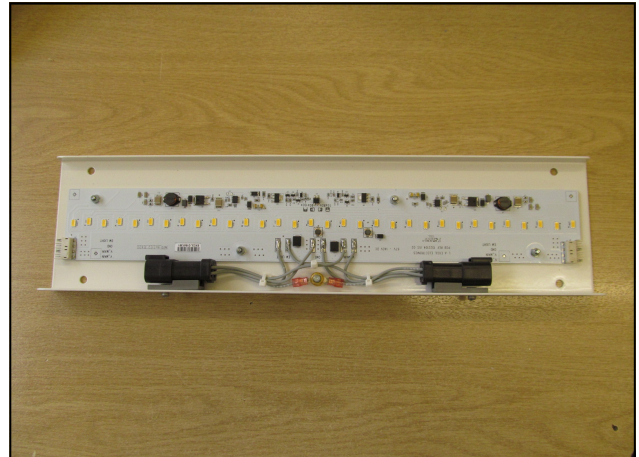
1022 - LED Gear Tray

1022 - QNGR Series



Product Overview

- › High efficiency low-maintenance LED Saloon Luminaire
- › Designed specifically for the QNGR project.
- › 60,000 hours to L70
- › RAL 9003
- › Natural White - 4000K - 4200K
- › Cool running designs give enhanced passenger comfort.



Product Codes

392mm Gear tray length	1022148
760mm Gear tray length	1022147
1510mm Gear tray length	1022100

Technical Overview

Specification

Size	1510mm	760mm
Nominal Input power	26.8W	13.4
Input Current Maximum Load @ 110Vdc	244mA	122mA
Operating temperature range (°C)	-25° to +70°	-25° to +70°
MTBF MIL-HDBK-217F (40°C) (hrs)	94,000	188,000
CRI (Cool/Natural/Warm)	80	80
Colour Temperature	4000K - 4200K	4000K - 4200K
Connector	Deutch DT 4Way	Deutch DT 4Way
Pin 1	+Ve	+Ve
Pin 2	0V	0V
Pin 3	Emergency	Emergency
Pin 4	Earth	Earth



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Specification

Size	392mm
Nominal Input power	6.7W
Input Current Maximum Load @ 110Vdc	61mA
Operating temperature range (°C)	-25° to +70°
MTBF MIL-HDBK-217F (40°C) (hrs)	377,000
CRI (Cool/Natural/Warm)	80
Colour Temperature	4000K - 4200K
Connector	Deutch DT 4Way
Pin 1	+Ve
Pin 2	0V
Pin 3	Emergency
Pin 4	Earth

Compliance

The series 1022 Saloon Gear tray is designed to comply with the following standards:

- › EN50121-3-2
- › EN61373
- › EN50155

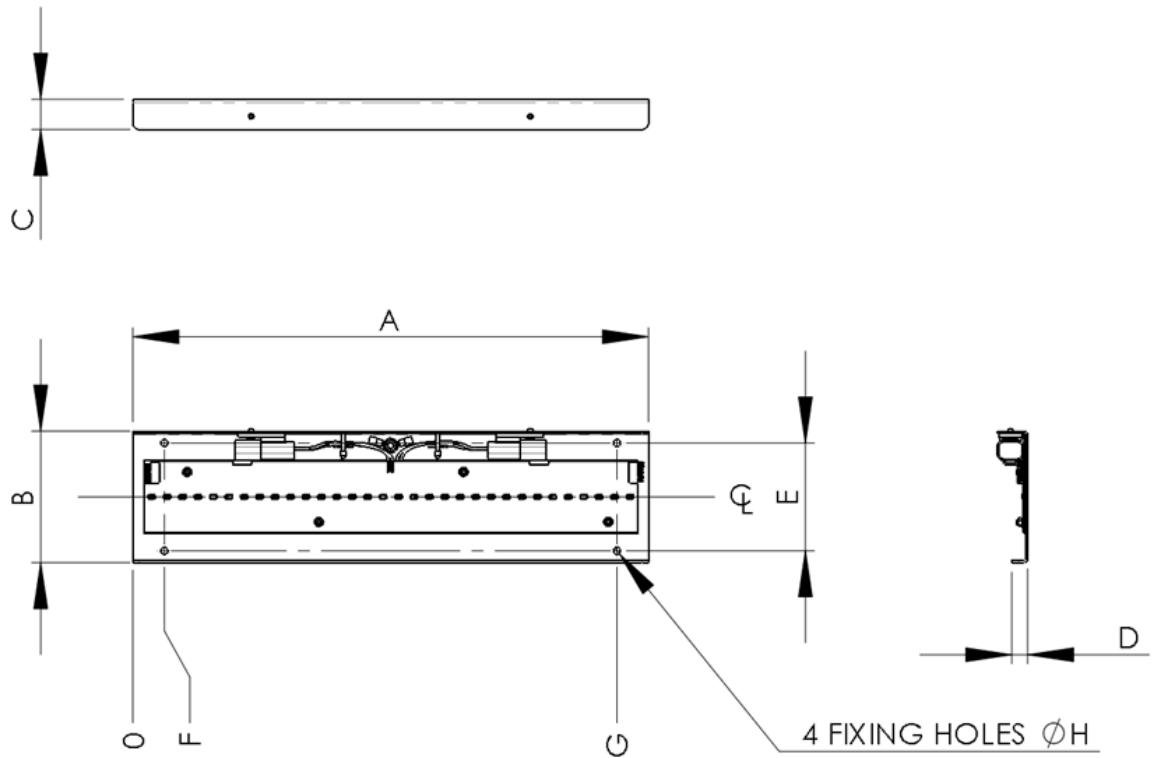
Safety -

- › Input Voltage Transient Suppression.
- › Reverse Polarity Protection.



Mechanical Specification

392mm



- Unit Weight 379g

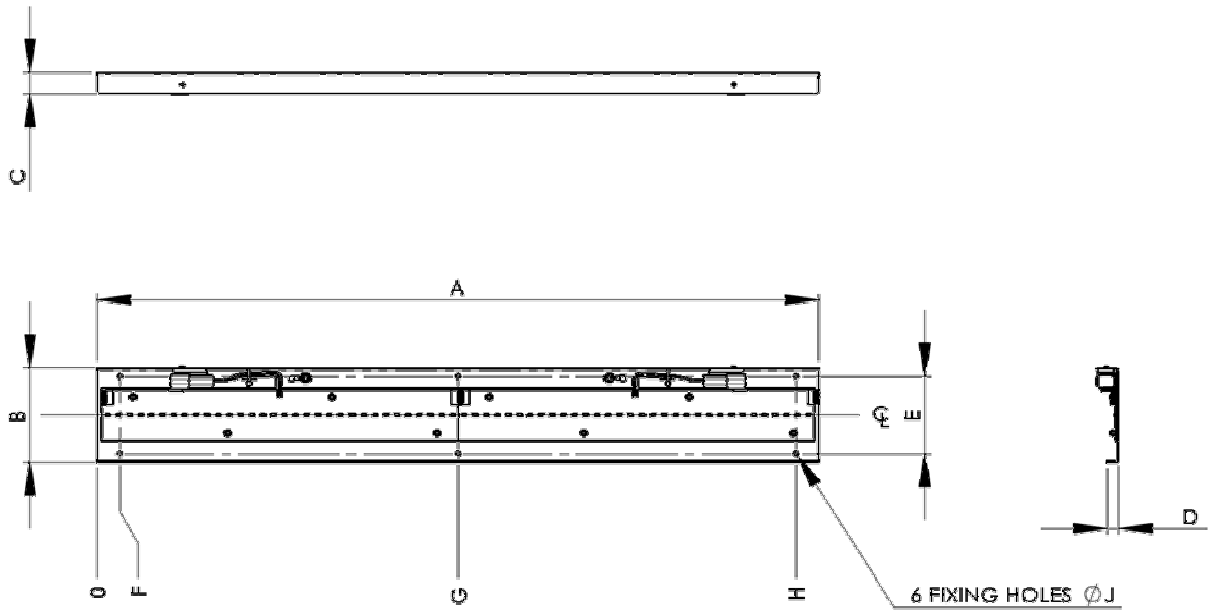
A	392	±1.0
B	100	±0.5
C	23	±0.5
D	12	±0.5
E	82	±0.5
F	24	±0.5
G	368	±0.5
H	5.5	±0.5



* All measurements are in mm

Mechanical Specification

760mm



- Unit Weight 702g

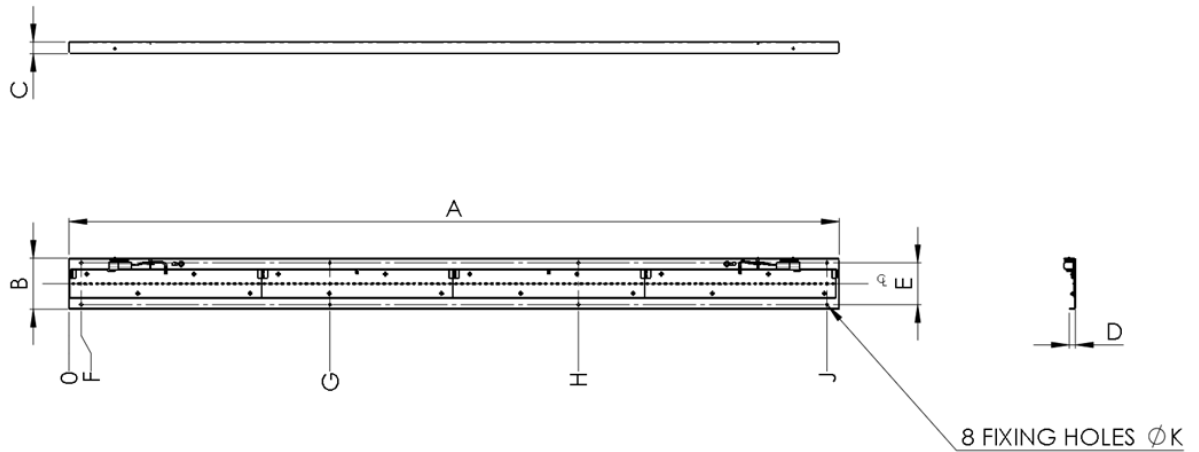
A	760	±1.0
B	100	±0.5
C	23	±0.5
D	12	±0.5
E	82	±0.5
F	24	±0.5
G	380	±0.5
H	736	±0.5
J	5.5	±0.5



* All measurements are in mm

Mechanical Specification

1510mm



- Unit Weight 1338g

A	1510	±1.5
B	100	±0.5
C	23	±0.5
D	12	±0.5
E	82	±0.5
F	24	±0.5
G	511.3	±0.5
H	998.7	±0.5
J	1486	±0.5
K	5.5	±0.5



* All measurements are in mm