



# ANTI-COLLISION LIGHT SYSTEM

400 Candles Red and White Wing & Tail Strobe Lights



## LED BASED SYSTEM

Goodrich Hella Aerospace recently developed an Anti-Collision Light System based on the latest LED technology. This offers you the following advantages:

- Less maintenance effort
- Less lifetime cycle costs
- Less power consumption
- Less heat
- Less weight
- More lifetime

The special advantages for Airbus aircraft are:

- Immediate cost saving potential for the entire Airbus fleet's strobe lights
- No change of mechanical and electrical interfaces

This Anti-Collision Light System consists of two synchronized red flashing lights which are installed on top and the bottom of the fuselage, the associated power supplies and the connecting cables.

The power supplies provide the required electrical energy for the light units. They have an input for external dimming of the lights to a level of 15 % of the nominal light intensity.

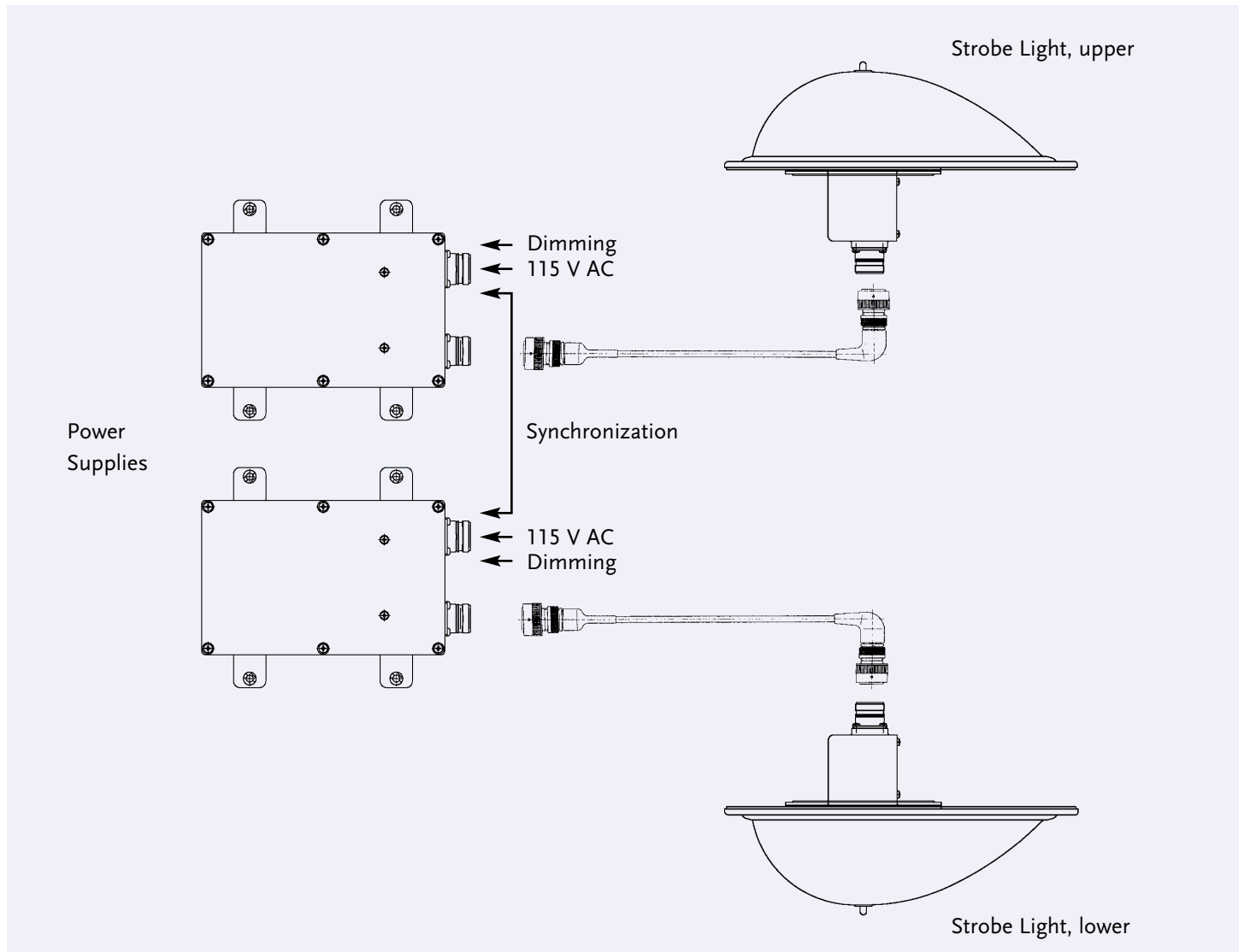
The system fulfills all requirements of FAR § 25.1401 for transport airplanes.



2LA 455 568-00



8ES 455 567-00

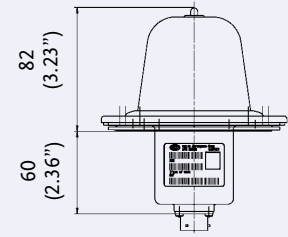
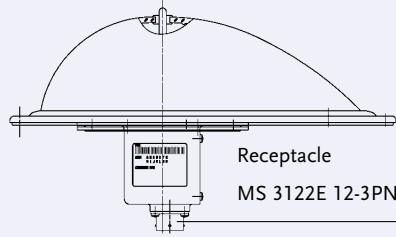




# FLASH TUBE SYSTEM

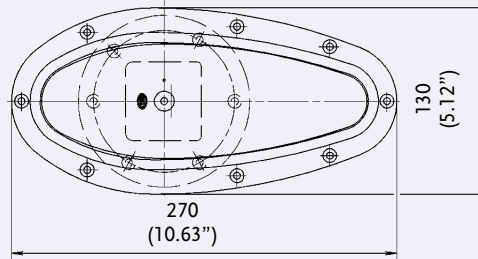
## STROBE LIGHT 2LA 455 010-00

- Light intensity: 400 cd min.
- Colour: Aviation Red
- Flash tube life: 6,000 h
- Environmental conditions and EMC: RTCA-DO-160C
- Mass: 1.20 kg (2.65 lbs) max.



## POWER SUPPLY 8ES 455 011-00

- Operating voltage: 115 V 400 Hz
- Operating current: 2.6 A max.
- Flash energy: 97 Joules
- Dim mode: 13.5 Joules
- Flash rate: 60 fpm
- Environmental conditions and EMC: RTCA-DO-160C
- Mass: 3.5 kg (7.72 lbs) max.



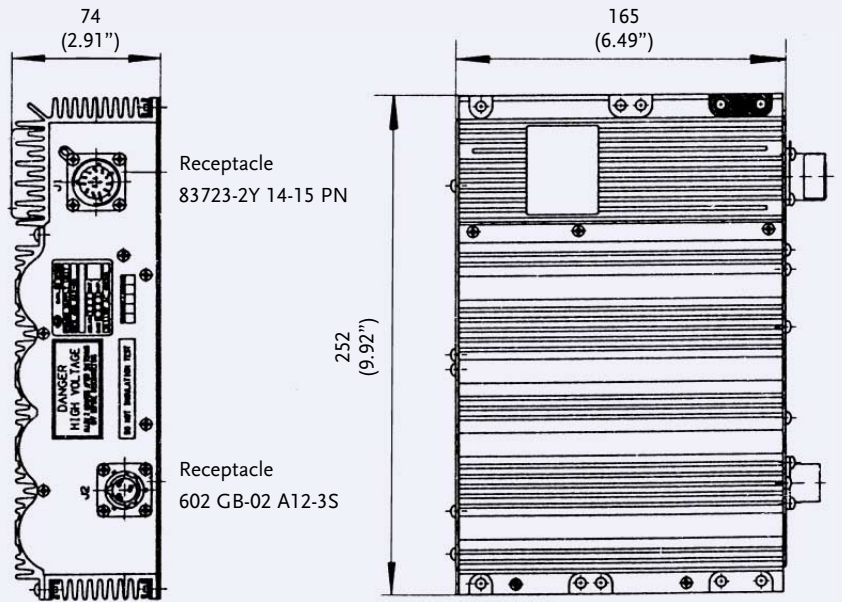
## POWER SUPPLY 8ES 455 011-01

Same data, but without trigger input from wing strobe lights.

## POWER SUPPLY 8ES 455 012-00

Same data, but:

- Operating voltage: three phase 115 V 400 Hz
- Operating current: 3 x 0.9 A max.
- Trigger output for second anti-collision light and white wing and tail strobe lights



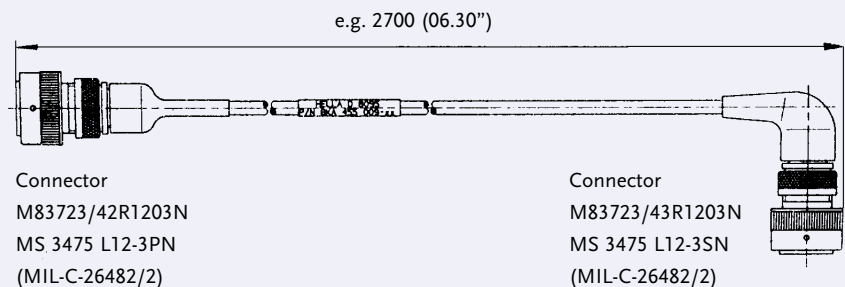
## CABLE ASSY 8KA 402 040-00 (UPPER)

- Length: 2,000 mm
- Mass: 0.31 kg (0.67 lbs)

## CABLE ASSY 8KA 402 040-01 (LOWER)

- Length: 2,700 mm
- Mass: 0.39 kg (0.85 lbs)

**Note:** Any other cables can be obtained from the OEM!



# WHITE WING & TAIL STROBE LIGHTS (AIRCRAFT RECOGNITION LIGHT SYSTEM)

The power supplies of the anti-collision light system (P/N 8ES 455 012-00 and 8ES 455 567-00) are able to control an additional aircraft recognition light system which produces white double

flashes on the wing tips and single flashes at the tail. The system consists of 2 wing strobe lights, a tail strobe light and 3 power supplies.

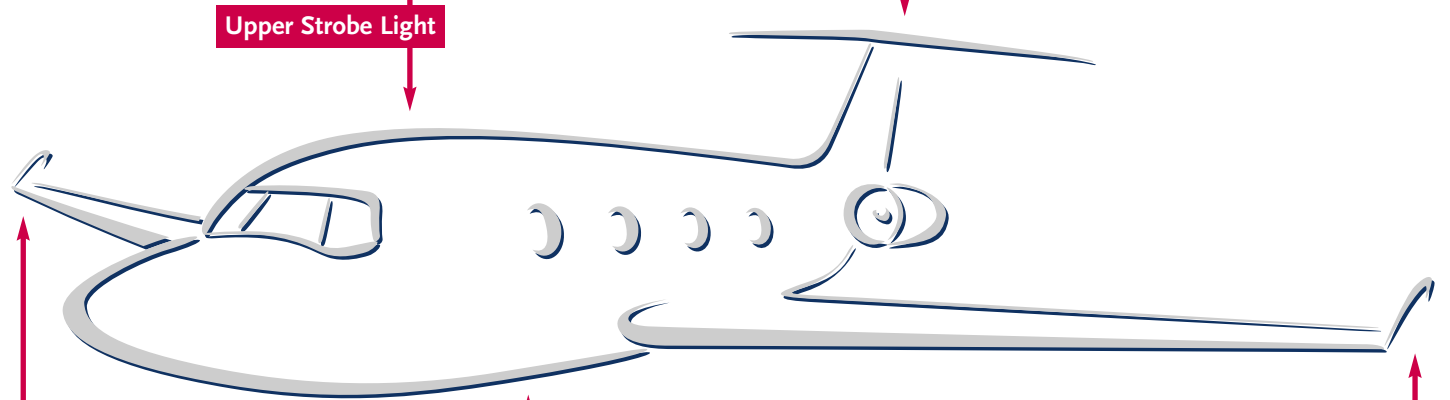
**This aircraft recognition light system improves the visibility of an aircraft dramatically.**



**Strobe Light**  
2LA 455 010-00  
**Power Supply**  
8ES 455 012-00



**Tail Strobe Light**  
2LA 005 303-05  
**Power Supply**  
8ES 005 304-00



**Upper Strobe Light**

**Tail Strobe Light**

**Right Wing Strobe Light**

**Lower Strobe Light**

**Left Wing Strobe Light**



**Wing Strobe Light**  
2LA 005 308-05  
**Power Supply**  
8ES 005 309-00



**Strobe Light**  
2LA 455 010-00  
**Power Supply**  
8ES 455 012-00

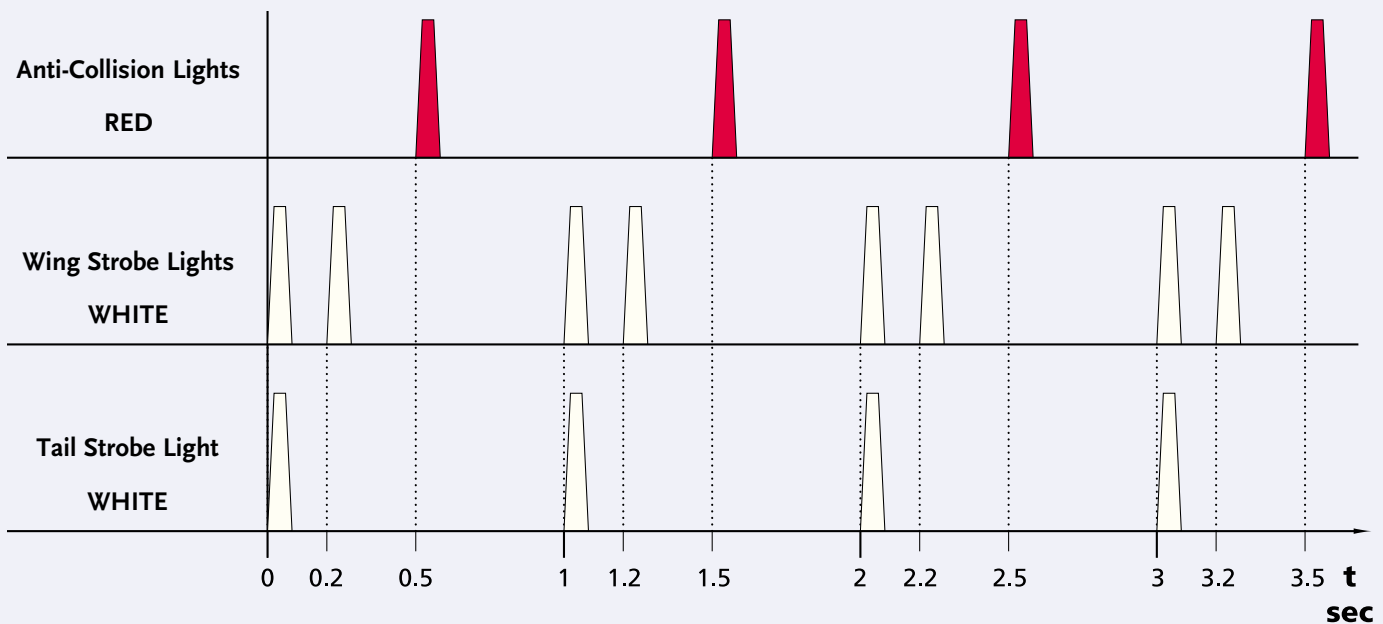


**Wing Strobe Light**  
2LA 005 308-05  
**Power Supply**  
8ES 005 309-00

# WHITE WING & TAIL STROBE LIGHTS (AIRCRAFT RECOGNITION LIGHT SYSTEM) CONT.

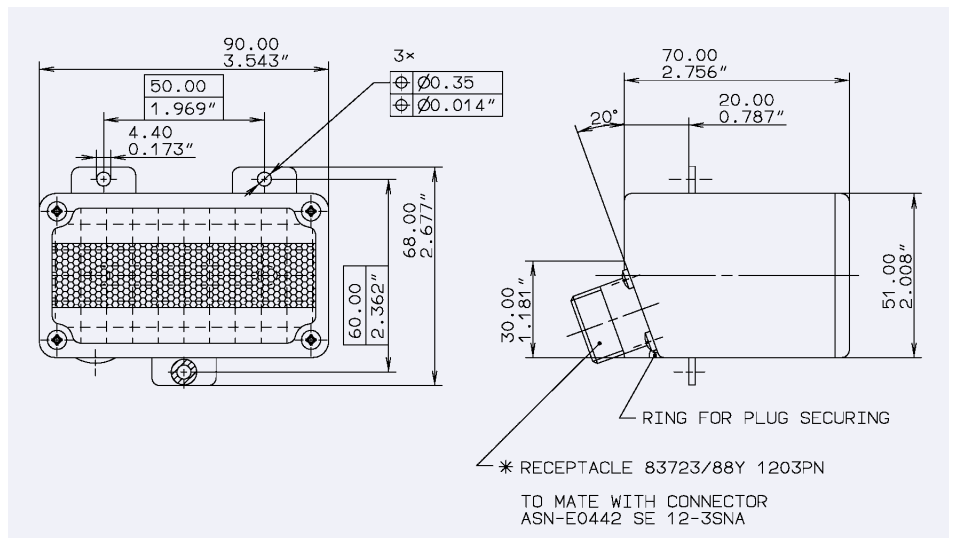


Flashing sequences of red and white strobe lights



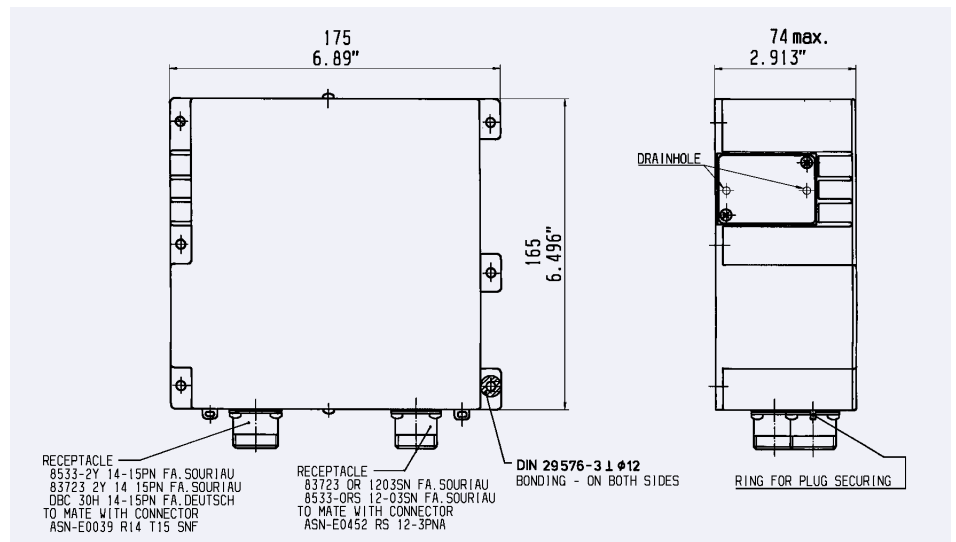
## TAIL STROBE LIGHT 2LA 005 303-05

- Light intensity: 2,000 cd
- Color: aviation white
- Environmental conditions and EMC: RTCA-DO-160A
- Mass: 0.320 kg (0.706 lbs) max.



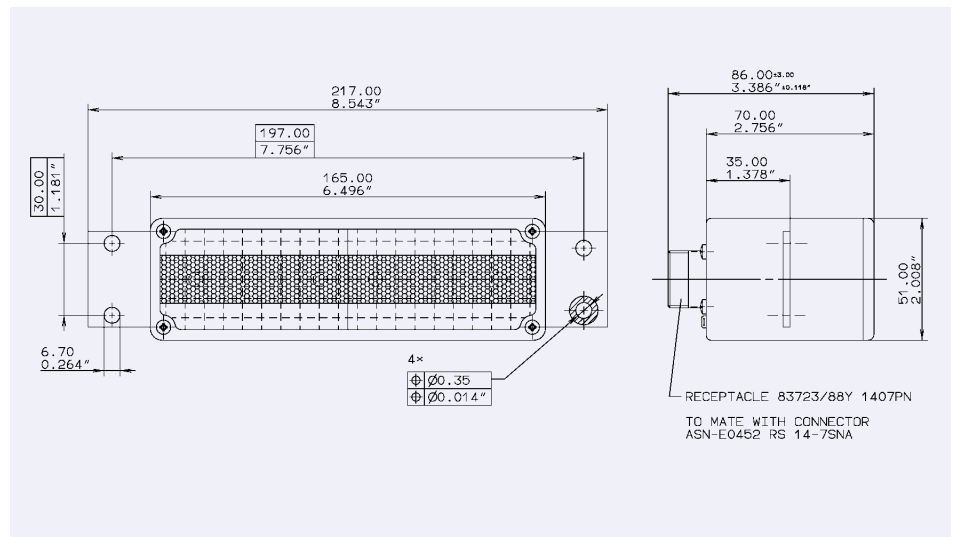
## POWER SUPPLY 8ES 005 304-00

- Operating voltage: 3 x 115 V AC 400 Hz
- Operating current: 3 x 0.35 A max.
- Flash energy: 40 Joules
- Flash rate: 60 fpm
- Environmental conditions and EMC: RTCA-DO-160A
- Mass: 2.5 kg (5.5 lbs) max.



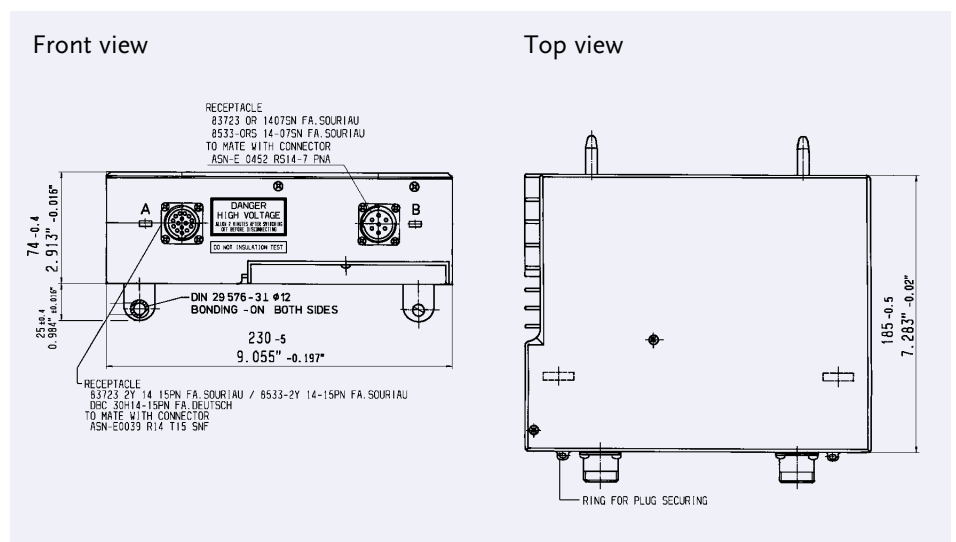
## WING STROBE LIGHT 2LA 005 308-05

- Light intensity: 2,000 cd
- Color: aviation white
- Environmental conditions and EMC: RTCA-DO-160A
- Mass: 0.57 kg (1.257 lbs) max.



## POWER SUPPLY 8ES 005 309-00

- Operating voltage: 3 x 115 V AC 400 Hz
- Operating current: 3 x 0.6 A max.
- Flash energy: 2 x 40 Joules
- Flash rate: 120 fpm (60 double flashes)
- Environmental conditions and EMC: RTCA-DO-160A
- Mass: 3.3 kg (7.275 lbs) max.





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