# UPRIGHT TOPPER
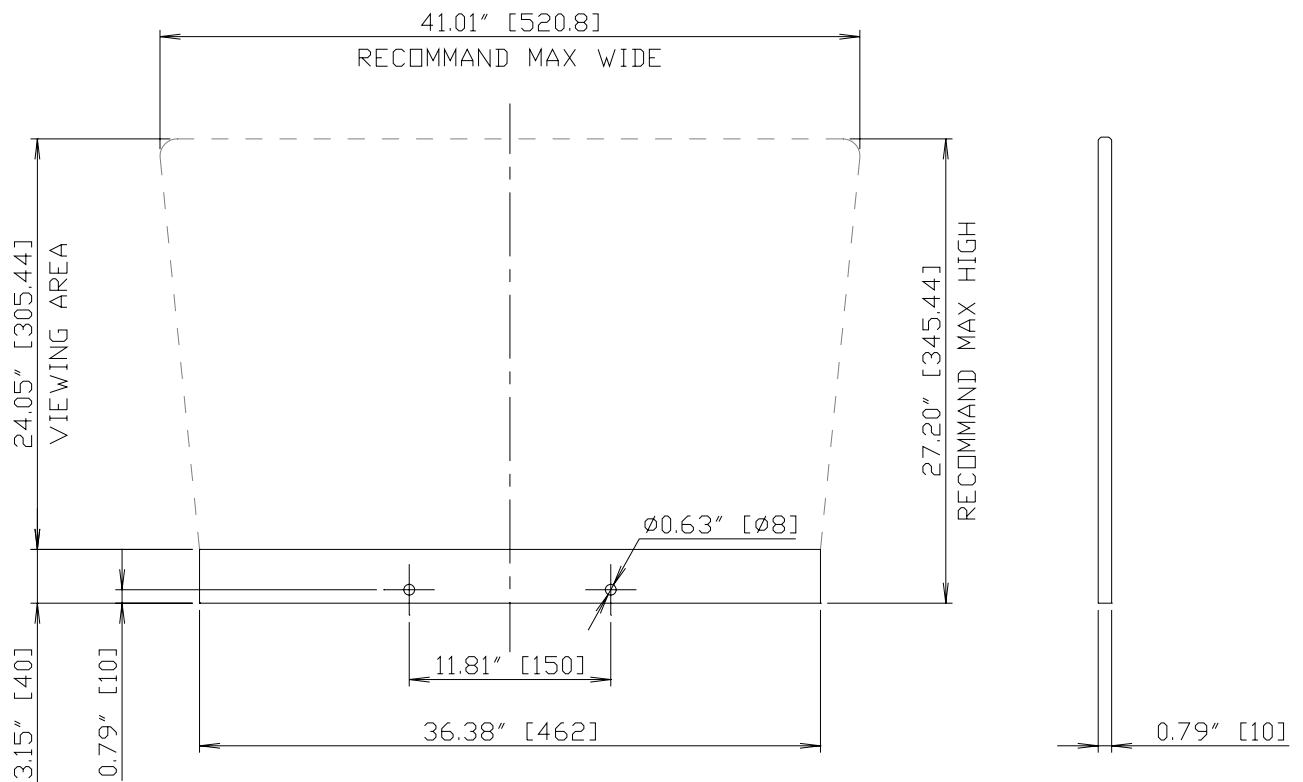
## ORDER NUMBER: 104-01000

- *Highlight your machine with a sophisticated look*
- *Multi-colored LEDs illuminate your engraved or screened sign from below*
- *Artwork and sign ( not included) can be engraved or screened on transparent materials (10 mm thick) such as acrylic plastic*
- *The sign can be cut into any desired shape*
- *To enhance the illumination effect it is recommended that the outside edges are white*

**Warning:** In case of removal of the diffuser bezel do not look straight into the LED's since this may cause serious eye injuries!
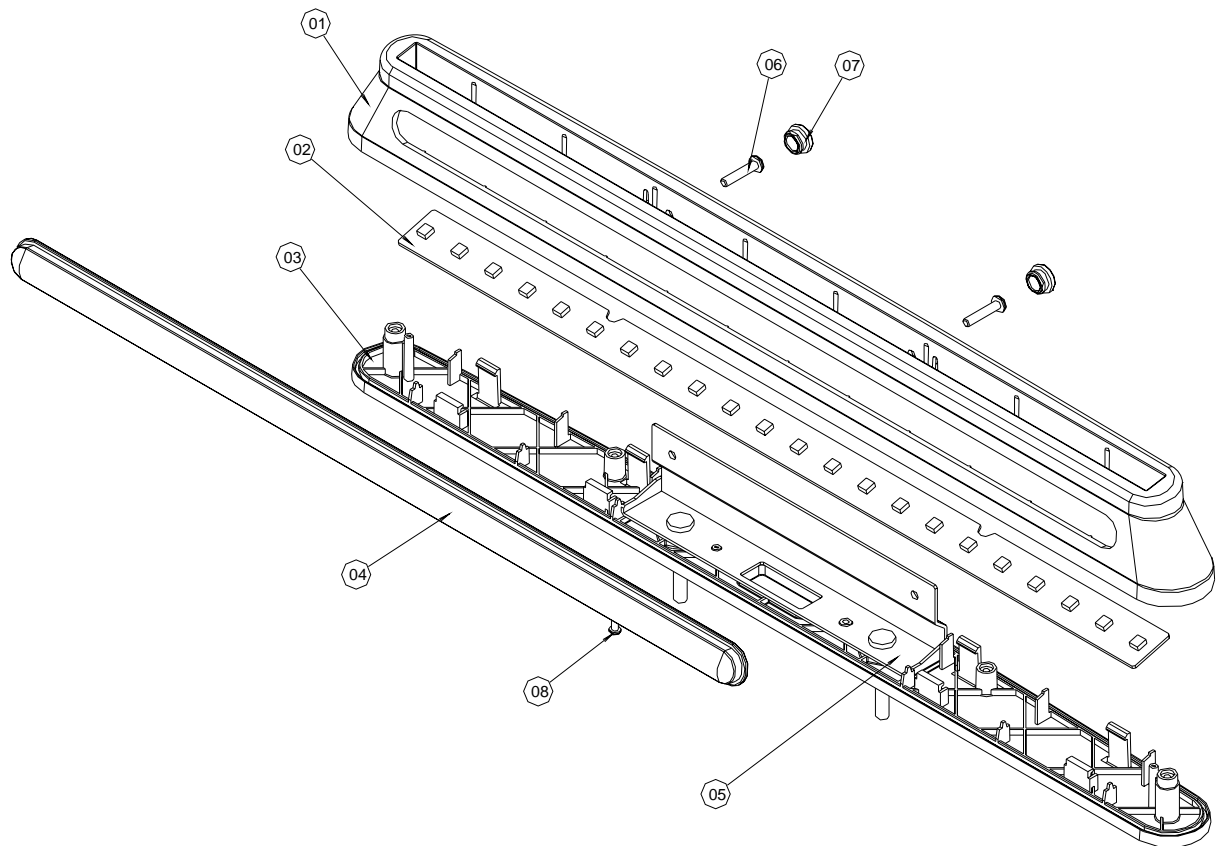
## TOPPER DIMENSIONS

41.01″ [520.8]
RECOMMAND MAX WIDE

24.05″ [305.44] VIEWING AREA

27.20″ [345.44] RECOMMAND MAX HIGH

Ø0.63″ [Ø8]

3.15″ [40]

0.79″ [10]

11.81″ [150]

36.38″ [462]

0.79″ [10]
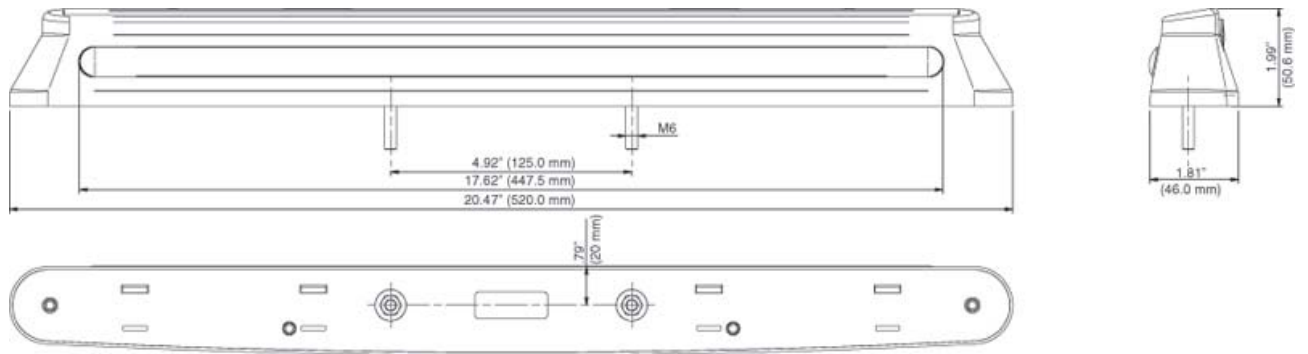
## SIZE OF DIFFUSER

# UPRIGHT TOPPER

| ITEM | P/N | DESCRIPTION | QTY |
|------|-----|-------------|-----|
| 1 | | HOUSING - TOP | 1 |
| 2 | | PCBA, LEDS | 1 |
| 3 | | HOUSING – BOTTOM | 1 |
| 4 | | ILLUMINATION COVER | 1 |
| 5 | | MOUNTING BKT. | 1 |
| 6 | | SCREW, M4X20 MSB | 2 |
| 7 | | RUBBER CAP | 2 |
| 8 | | SCREW, M3X12 BA | 4 |



*Diffuser not included or available*

## EXPLODED DRAWING

# *UPRIGHT TOPPER*

## CONNECTION DIAGRAM
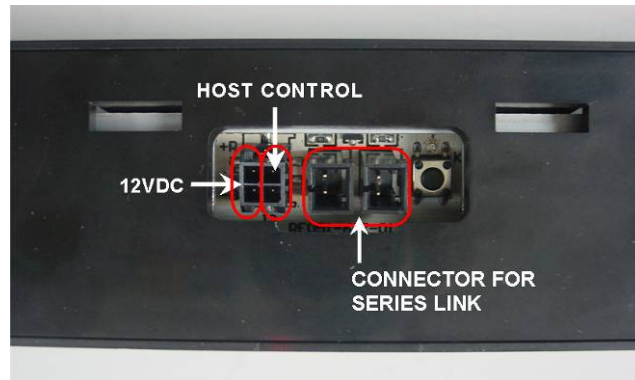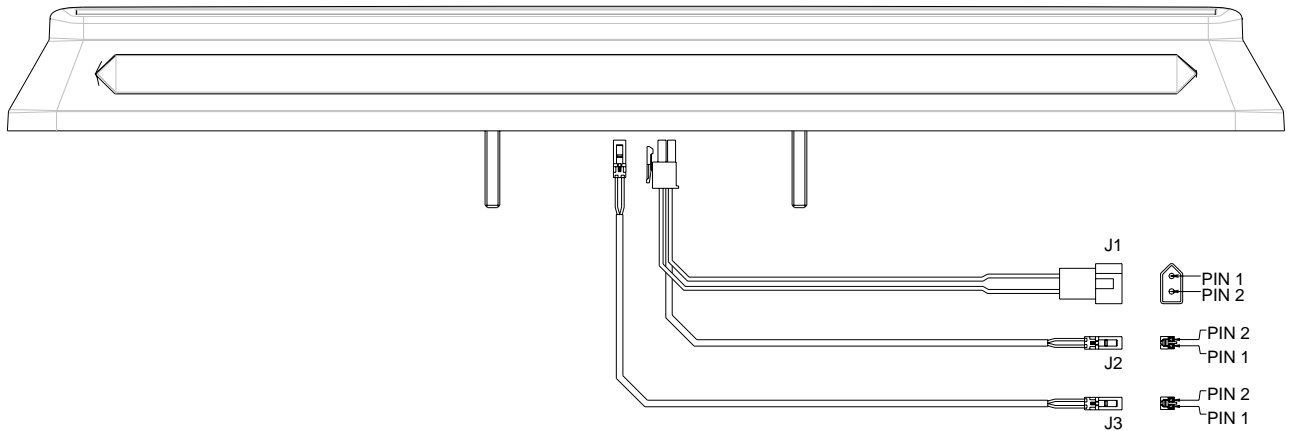


| NO | WIRE COLOR | FUNCTION | PIN | TOPPER CONNECTOR TYPE | MACHINE CONNECTOR TYPE |
|----|-----------|----------|-----|----------------------|------------------------|
| J1 | RED | POWER 12VCD | 1 | MOLEX MALE 03-09-2022 | MOLEX FEMALE 03-09-1022 / 02-09-1118 (SOCKET) |
| | BLACK | POWER GROUND | 2 | | |
| J2 | BLACK | HOST PULSE CONTROL | 1 | MOLEX HOUSING 50-57-9402 | MOLEX HEADER 70553-0001 / 70543-0001 |
| | WHITE | HOST PULSE CONTROL | 2 | | |
| J3 | BLACK | SERIES LINK GROUND | 1 | MOLEX HOUSING 50-57-9402 #70058 (TERMINAL) | MOLEX HEADER 70553-0001 / 70543-0001 |
| | WHITE | SERIES LINK TXD/RXD | 2 | | |

**IMPORTANT:**

1. Shut-off power from host machine during installation.
2. Power supply to Topper: 12VDC 4.5A.
3. For best performance, synchronize cable (J3) should not be longer than 10M. Extended cable should comply with UL 2464.

# *UPRIGHT TOPPER*

FEATURES

- ## Color setting

   You may select color of the flashing pattern on the illumination cover out of the seven pre-set combination by hosting machine control.

- ## Flashing pattern setting

   You may select 6 pre-programmed flashing patterns by hosting machine control.

- ## Host Machine Control

   You may change flashing pattern and color by Hosting Machine throw different duration pulses as follow:

| REF. | COMMAND TYPE | COMMAND | PULSE DURATION RANGE |
|------|--------------|---------|----------------------|
| 1 | FLASHING | PATTERN 1 | 5 ms – 14 ms |
| 2 | FLASHING | PATTERN 2 | 15 ms – 24 ms |
| 3 | FLASHING | PATTERN 3 | 25 ms – 34 ms |
| 4 | FLASHING | PATTERN 4 | 35 ms – 44 ms |
| 5 | FLASHING | PATTERN 5 | 45 ms – 54 ms |
| 6 | FLASHING | PATTERN 6 | 55 ms – 64 ms |
| 7 | COLOR | RED – BLUE – WHITE | 65 ms – 74 ms |
| 8 | COLOR | GREEN – WHITE – RED | 75 ms – 84 ms |
| 9 | COLOR | BLUE – GREEN – RED | 85 ms – 94 ms |
| 10 | COLOR | YELLOW – BLUE – WHITE | 95 ms – 104 ms |
| 11 | COLOR | PURPLE – BLUE – WHITE | 105 ms – 114 ms |
| 12 | FLASHING | ALL | 115 ms – 124 ms |

   *Last flashing pattern and color will be stored to memory when power off.*

- ## Serial Link for Topper to synchronize the Flashing Pattern and Color

   You may synchronize color and flashing pattern for Toppers connected in series through standard RS232C COM port as below:

   A. Connect Toppers with synchronize cable (J3) to series link connector as shown on page 4.

   B. Conduct above settings to change color and /or flashing pattern through any one of the toppers connected in series.

   C. If Toppers are connected in series, the first powered up topper will dominate the color and pattern for whole series until it is changed.

Note: Design and specifications are subject to change without notice.

Wijzigingen in ontwerp en technische gegevens voorbehouden, zonder kennisgeving.

La conception et les spécifications sont modifiables sans préavis.

El diseño y especificaciones están sujetos a cambios sin previo aviso.

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