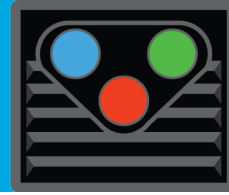


XPB-16-176x80-SF

Specifications



Key Features

- Front Ventilation
- Integrated Light Sensor
- Low Profile Design
- Ease of Installation
- Step Edge Design
- Durability

Specifications

| | | |
|----------|----------------------------|---|
| Physical | Pixel Pitch | 16.5mm (.65") centers |
| | Display Matrix (wxh) | 176 x 80 |
| | Active Dimensions (wxh) | 9.55' x 4.36' 2,910mm x 1,331mm |
| | Active Area | 41.64 ft ² / 3.87 m ² |
| | Cabinet Dimensions (wxhxd) | 9.81' x 4.67' x 5" 2,989mm x 1,424mm x 127mm |
| | Weight | 413.1 lbs / 187.4 kg |
| | Cabinet Construction | All aluminum construction |

| | | |
|---------|-----------------------------|----------------------------------|
| Optical | Brightness | 9,000 nit |
| | Contrast Ratio | 11,000:1 |
| | Viewing angle - Horizontal | 140° (+/- 70°) |
| | Viewing angle - Vertical | 77° (+25°/- 52°) |
| | Number of colors | 281 trillion colors |
| | Dimming Capability | 8 bit (256 levels of brightness) |
| | Color temperature - Default | 6,500K - D65 |

| | | |
|------------|-------------------|--------------------------------------|
| Electrical | Video Rate | 60 frames per second |
| | Animation Rate | 60 frames per second |
| | Video Processing | 24 bit, 100% digital, no compression |
| | Color Processing | 16 bit per color (48 bit total) |
| | Input Power Range | 120/240 volts, 50/60 Hz |
| | Wattage | 1,500 watts |
| | Refresh rate | 49,920hz |
| | Scan Rate | 1:1 (Non-multiplexed) |

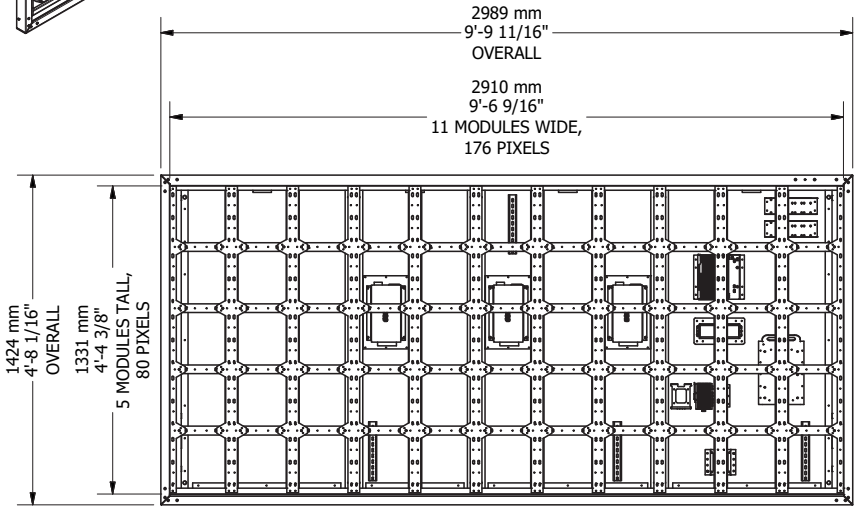
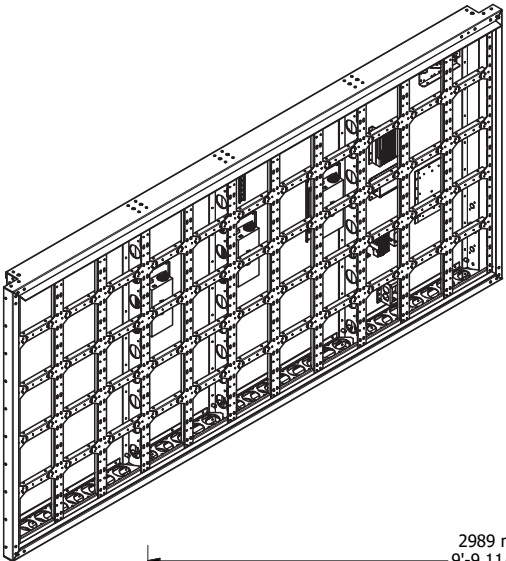
| | | |
|-------------|-------------------------------|--------------------------------------|
| Operational | Working Temperature | -40°C to 55°C / -40°F to 131°F |
| | Cooling | Quiet running vent fans |
| | IP Rating | IP65 |
| | LED Lifetime (1/2 brightness) | 100,000 hours |
| | Certification | CE, UL / ULC listed |
| | Service | Front Service and/or Rear Service |



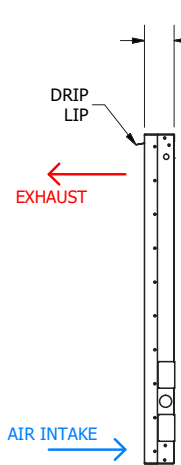
| REVISION HISTORY | | | | |
|------------------|-----|--------------------------|-----------|--------|
| DWG ED | REV | DWG EDITION DESCRIPTION | DATE | AUTHOR |
| 1 | A | INITIAL DRAWING CREATION | 3/30/2018 | NAT |
| 2 | | | | |
| 3 | | | | |

GENERAL NOTES:

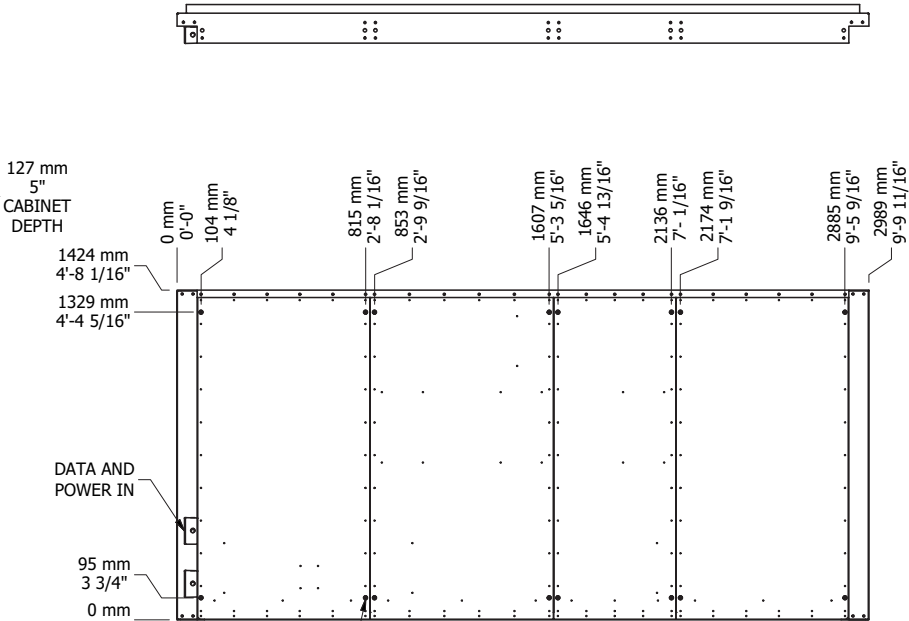
1. ESTIMATED WEIGHT AT LB PER SQUARE FOOT: 413.1 LB [187.4 KG]
2. ESTIMATED LED WATTAGE OF DISPLAY: 1338 WATTS
3. ESTIMATED TOTAL WATTAGE OF DISPLAY: 1500 WATTS
4. PRIMARY POWER TYPE: 120/240V, 50/60Hz
5. FRONT SERVICE
6. DISPLAY SHIPS IN 1 SECTION(S)
7. ALUMINUM CABINET DESIGN WITH BLACK PERIMETER FINISH
8. ACTUAL CONNECTED LOAD DEPENDS ON NIT VALUES, EFFICIENCY OF THE SYSTEM, AND LED SELECTION. THE ELECTRICAL CONTRACTOR MUST VERIFY LOADS AND POWER TYPE WITH THE FACTORY PRIOR TO FABRICATION
9. ALL CORNERS TO BE SHOP WELDED. SILICONE ALL OTHER SEAMS.




FRONT VIEW
SCALE 1 / 21



SIDE VIEW



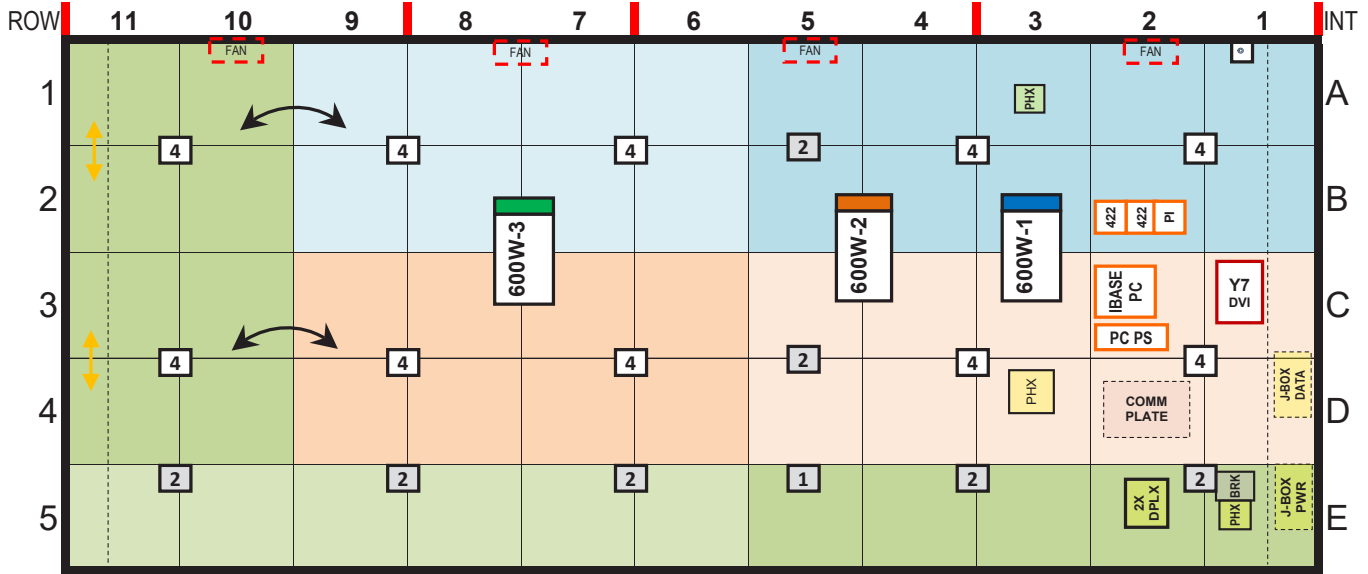
REAR VIEW

| | | | | | | |
|-------------------------------------|-------------|----------------------------|-------------------------------------|------------------------|---|---------------------------|
| PROJECT NAME: XPB Better Build 16mm | | ITEM NUMBER: MAY-890009 | XPB Better Build 16mm 176x80 | |  | DRAWING TYPE: Assembly |
| PROJECT NUMBER: | DISPLAYS: 1 | SECTIONS: 1 | | | | SHEET SIZE: 11x17 |
| DISPLAY ADDRESS: | | ITEM REVISION: A | BUILD TYPE: BETTER BUILD | UNSPECIFIED TOLERANCES | A Samsung Electronics Company | SHEET NUMBER: 1 OF 1 |
| | | | FANS: FAN-00022 (QTY-4) | DECIMAL: ± 0.010 | 1651 NORTH 1000 WEST LOGAN, UT 84321 | |
| | | | | FRACTIONAL: ±1/16 | PHONE: 435-774-8800 FAX: 435-774-8801 | |
| | | | | ANGULAR: ± 2° | | |

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C:\Users\Wong\OneDrive\Desktop\2018\Assemblies\Standard_Builds\XPB\XPB-890009.dwg, 10/19/2017, C:\Users\Wong\OneDrive\Desktop\2018\Assemblies\Drawings\XPB-890009.dwg

XPB SF 176x80 16mm COMPONENT LAYOUT (FRONTVIEW)



Master Face

| # Drop | #Pieces | Total |
|--------|--------------|-----------|
| 1 | 1 | 1 |
| 2 | 7 | 14 |
| 4 | 10 | 40 |
| | Total | 55 |

| POWER SPECIFICATIONS | |
|-----------------------|------------------------|
| LED LOAD@.095W/PIX: | 1,338W per Face |
| TOTAL CONNECTED LOAD: | 1,500W per Face |
| INPUT VOLTAGE: | 120V |
| INPUT CONFIGURATION: | 1-20A Circuit Per Face |



A Samsung Electronics Company

1651 NORTH 1000 WEST LOGAN UT 84321 (435)-774-8800 PHN (435)-774-8801 FAX

| | | | |
|--------|------------------------|----------|-----|
| TITLE: | XPB16 - SF 176x80 16mm | | |
| DATE: | 6/29/2018 | DRW BY: | LKI |
| REV : | | PROJECT: | |