

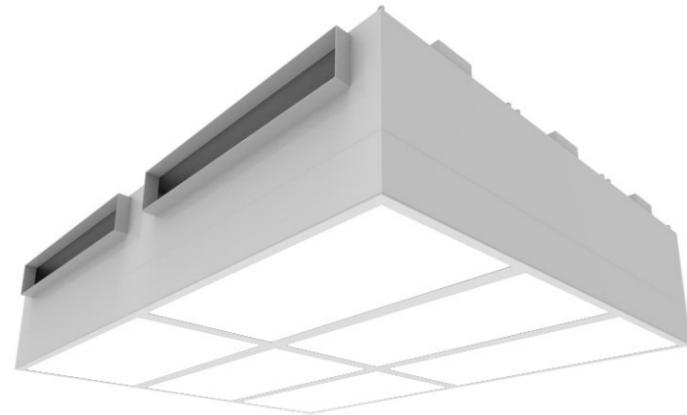
ULTRASUITE®

OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING OPERATING THEATRE - USA +UCV

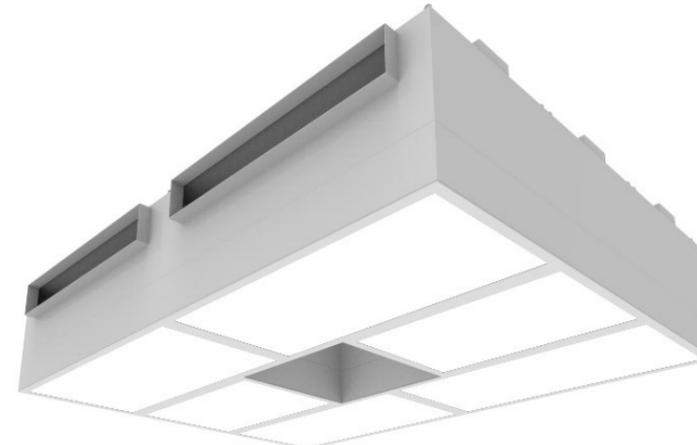
FEATURES:

- LAMINAR FLOW DIFFUSER ARRAY WITH INTEGRATED HIGH-PERFORMANCE LED LIGHTS INSIDE EACH INDIVIDUAL MODULE
- FULLY CUSTOMIZABLE TO MATCH THE DEMANDING AND OFTEN CROWDED MODERN HOSPITAL AND CLEANROOM CEILING LAYOUTS
- OPTIONAL PERIMETER HGWC WELDED CEILING GRID SUPPORTS ACCESS PANELS AND FLUSH-MOUNT PANELS FOR EQUIPMENT BOOM INTEGRATION
- UL 1598 CERTIFIED, AIR-HANDLING LUMINAIRE

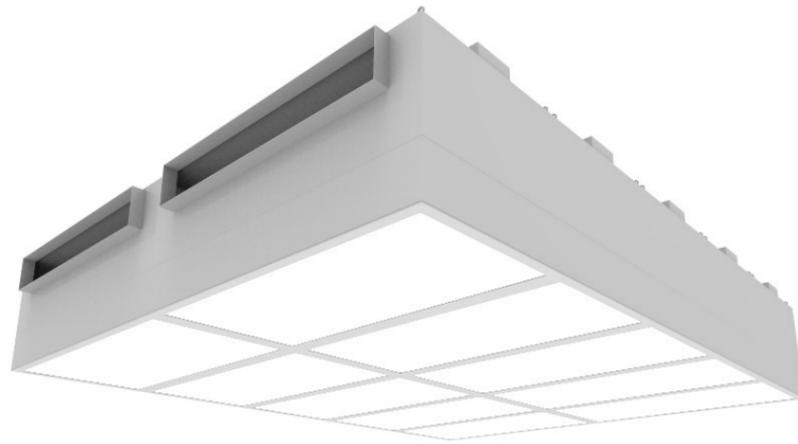
LIGHTING & ELECTRICAL SPECIFICATIONS	
5000K	COLOUR TEMPERATURE
90+	CRI
100% TO 10% 0-10V	DIMMING
240	INCOMING VOLTAGE



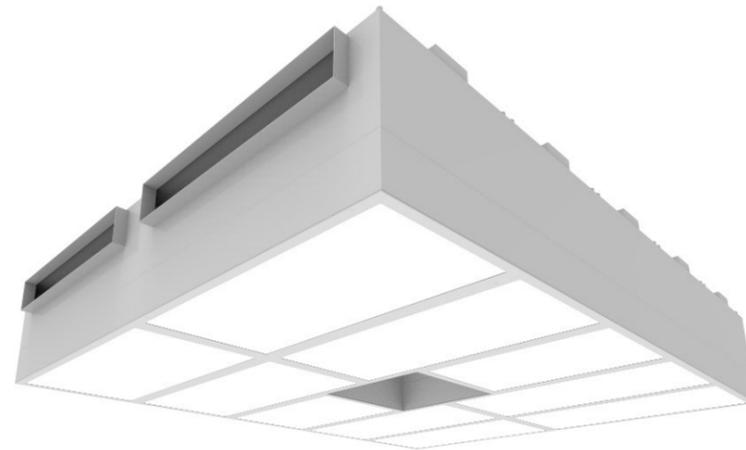
USA+ UCV 1800
900-1800 L/S



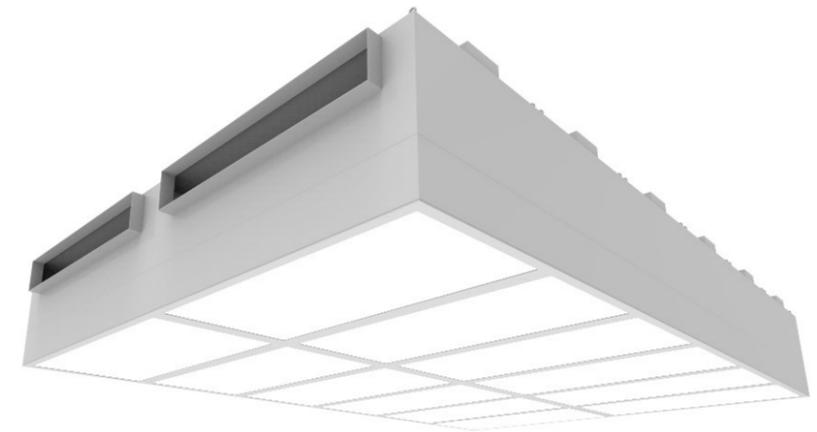
USA+ UCV 1800B
900-1800 L/S



USA+ UCV 3000
1800-3000 L/S



USA+ UCV 3000B
1800-3000 L/S



USA+ UCV 3500
3000-3500 L/S

price | **CRITICAL ENVIRONMENTS**

Project:

275358

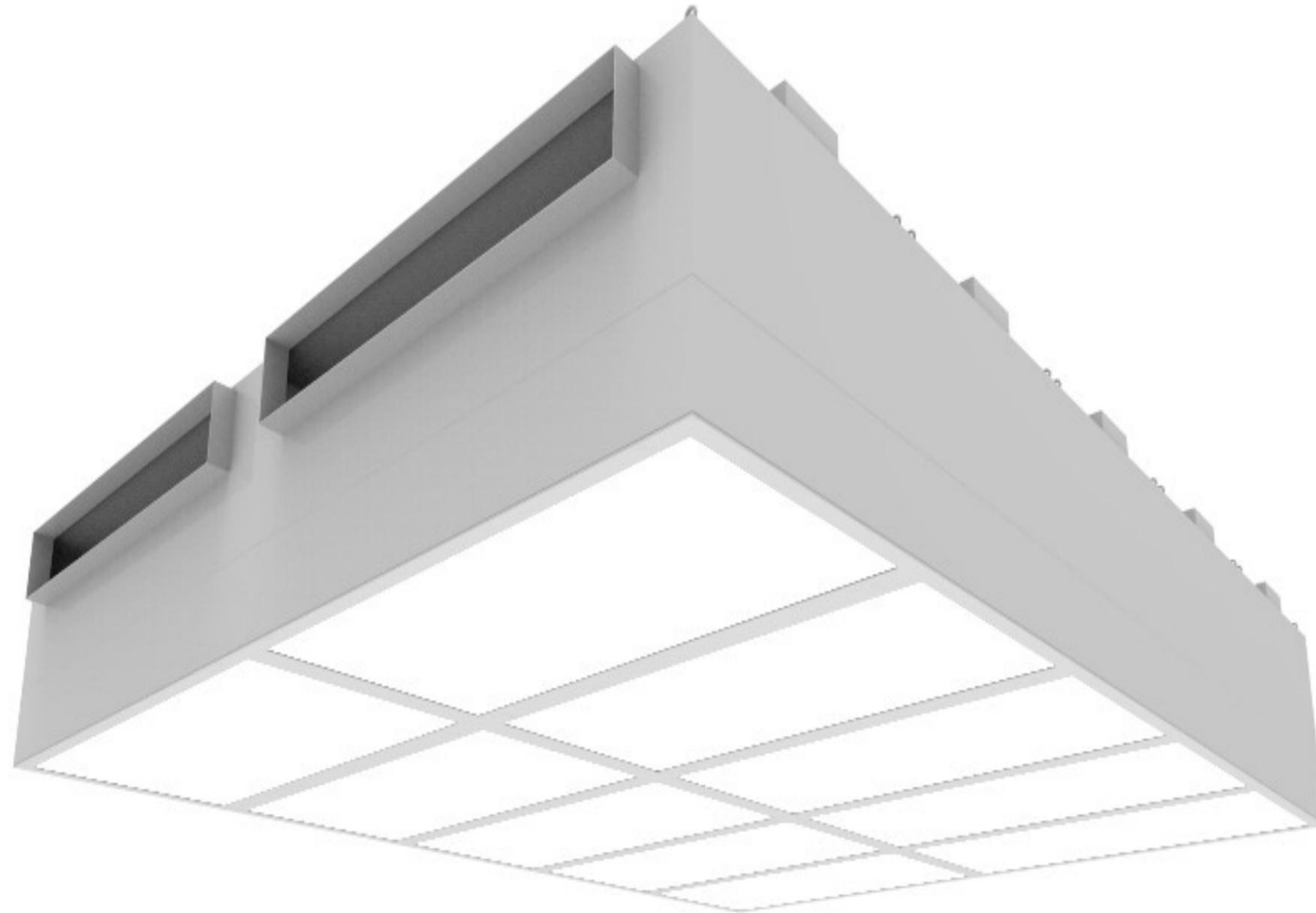
Revision: 0

06-09-2023



ULTRASUITE[®]

OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING 3D INTERACTIVE MODEL - LAYOUT TYPE USA +UCV 3000



ORDER OF INSTALLATION
(CLICK BUTTONS TO TOGGLE VIEWS)

- BOOM SUPPORTS**
(by Others)
- ULTRASUITE**
(View A)
- ULTRASUITE**
(View B)
- ULTRASUITE**
(View C)
- HGWC CEILING GRID**
(View A)
- HGWC CEILING GRID**
(View B)
- CP-SCF CEILING PANELS**
- CP-SC CEILING PANELS**
- FINAL INSTALLATION**

- USE THE SCROLL WHEEL TO ZOOM
 - HOLD DOWN THE LEFT MOUSE BUTTON TO ROTATE
 - HOLD DOWN CTRL AND LEFT MOUSE BUTTON TO MOVE
- BOOM SUPPORT PLATE AND SUPPORT TO STRUCTURE ARE DESIGNED, PROVIDED, AND INSTALLED BY OTHERS
- © Copyright Price Industries 2023

CLICK IMAGE TO
ACTIVATE 3D PDF



PRICE | **CRITICAL ENVIRONMENTS**

Project:

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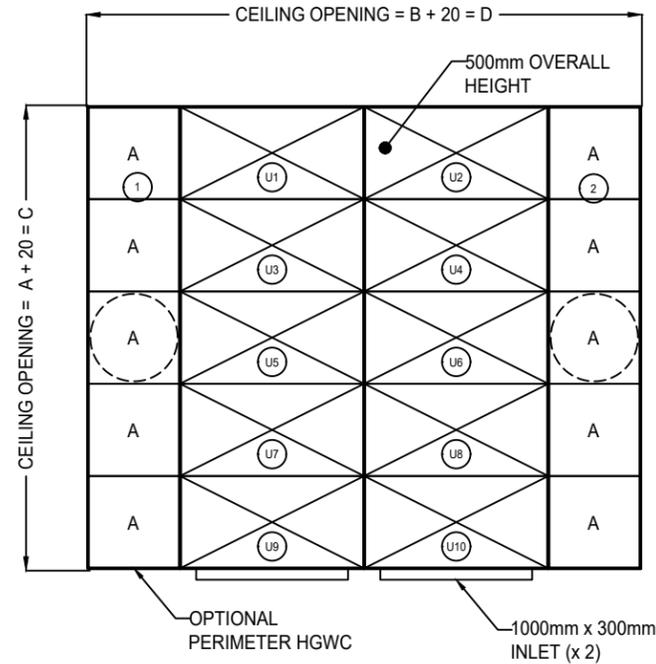
Revision: 0

06-02-2023

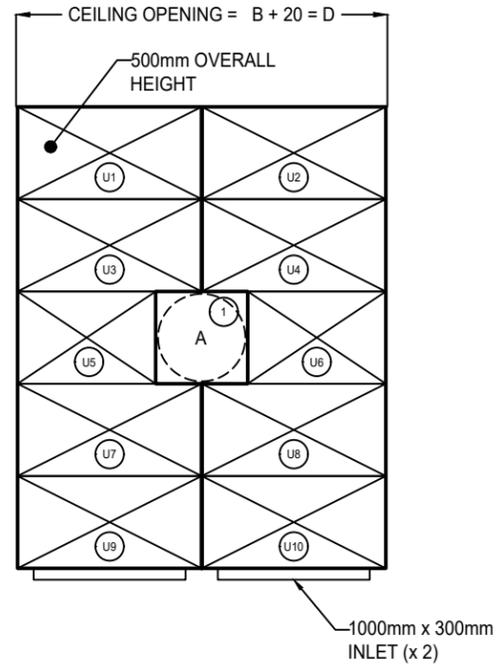
ULTRASUITE®

OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING

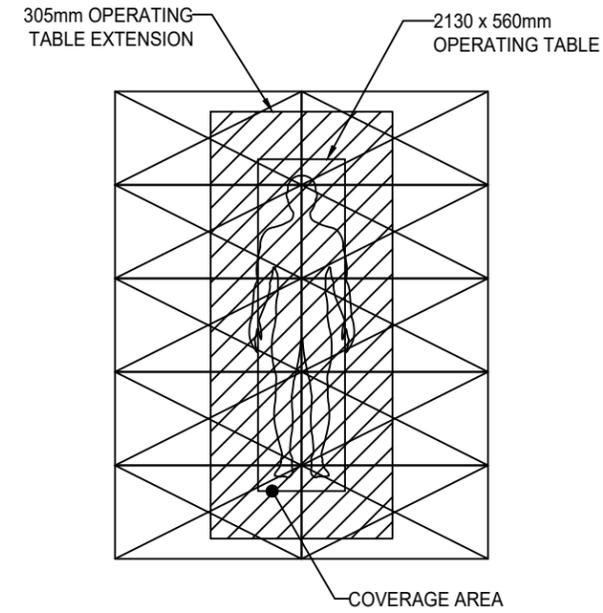
**REFLECTED CEILING PLAN - OPERATING THEATRE
USA +UCV 3000**



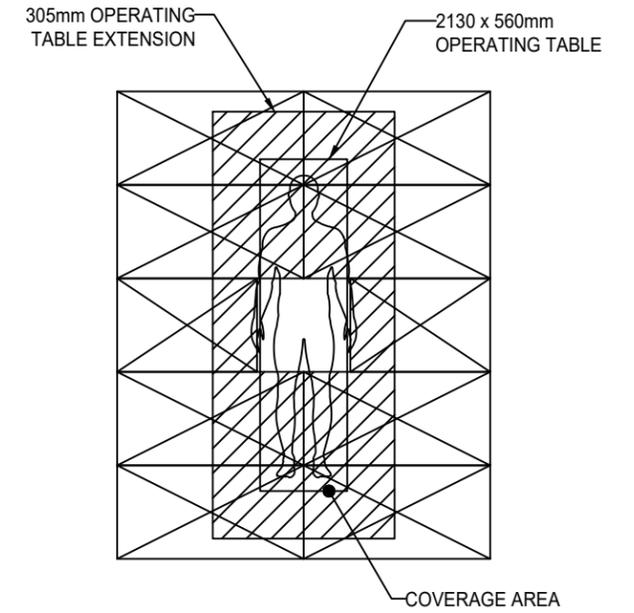
USA +UCV 3000B



**PERFORMANCE & PATIENT COVERAGE - OPERATING THEATRE
USA +UCV 3000**



USA +UCV 3000B



LAYOUT TYPE	OVERALL WIDTH (A) (mm)	OVERALL LENGTH (B) (mm)	CEILING OPENING WIDTH (C) (mm)	CEILING OPENING LENGTH (D) (mm)	MODULE SIZING (L x W x H)	ACCESS PANEL SIZING (L x W)	BOOM PANEL SIZING (L x W x H)	TOTAL SYSTEM WEIGHT
USA +UCV 1800	1800	3600	1820	3620	600 x 1200 x 500 (x 6)	600 x 600 (x 8)	600 x 600 (x 2)	161 kg.
USA +UCV 1800B	1800	2400	1820	2420	600 x 1200 x 500 (x 4) 600 x 900 x 500 (x 2)	-	600 x 600 (x 1)	127 kg.
USA +UCV 3000	3000	3600	3020	3620	600 x 1200 x 500 (x 10)	600 x 600 (x 8)	600 x 600 (x 2)	268 kg.
USA +UCV 3000B	3000	2400	3020	2420	600 x 1200 x 500 (x 8) 600 x 900 x 500 (x 2)	-	600 x 600 (x 1)	226 kg.
USA +UCV 3500	3600	3600	3620	3620	600 x 1200 x 500 (x 12)	600 x 600 (x 4) 600 x 900 (x 4)	600 x 600 (x 2)	322 kg.

LAYOUT TYPE	PATIENT COVERAGE	AIRFLOW RANGE (L/S)	EXIT VELOCITY (M/S)
USA +UCV 1800	100%	900-1800	0.21-0.42
USA +UCV 1800B	88%	900-1800	0.21-0.42
USA +UCV 3000	100%	1800-3000	0.21-0.42
USA +UCV 3000B	88%	1800-3000	0.21-0.42
USA +UCV 3500	100%	3000-3500	0.21-0.42

- B12 STANDARD WHITE FINISH
- PANEL CUTOUTS FOR BOOMS DONE IN FIELD BY OTHERS
- THE CEILING IS FACTORY PREMANUFACTURED TO SIZES AND TOLERANCE +/- 2
- SITE ADJUSTMENTS TO PERIMETER SOFFITS AND/OR DRYWALL MAY BE REQUIRED AND ARE THE RESPONSIBILITY OF THE INSTALLER
- PERFORMANCE VERIFICATION IS SHOWN TO ASSIST IN PROJECT COORDINATION. FINAL PERFORMANCE COMPLIANCE, AS WELL AS COMPLIANCE WITH ALL APPLICABLE LOCAL CODES AND REQUIREMENTS REMAINS THE RESPONSIBILITY OF THE EOR OR INSTALLER ON THE PROJECT

PRICE | **CRITICAL ENVIRONMENTS**

Project:

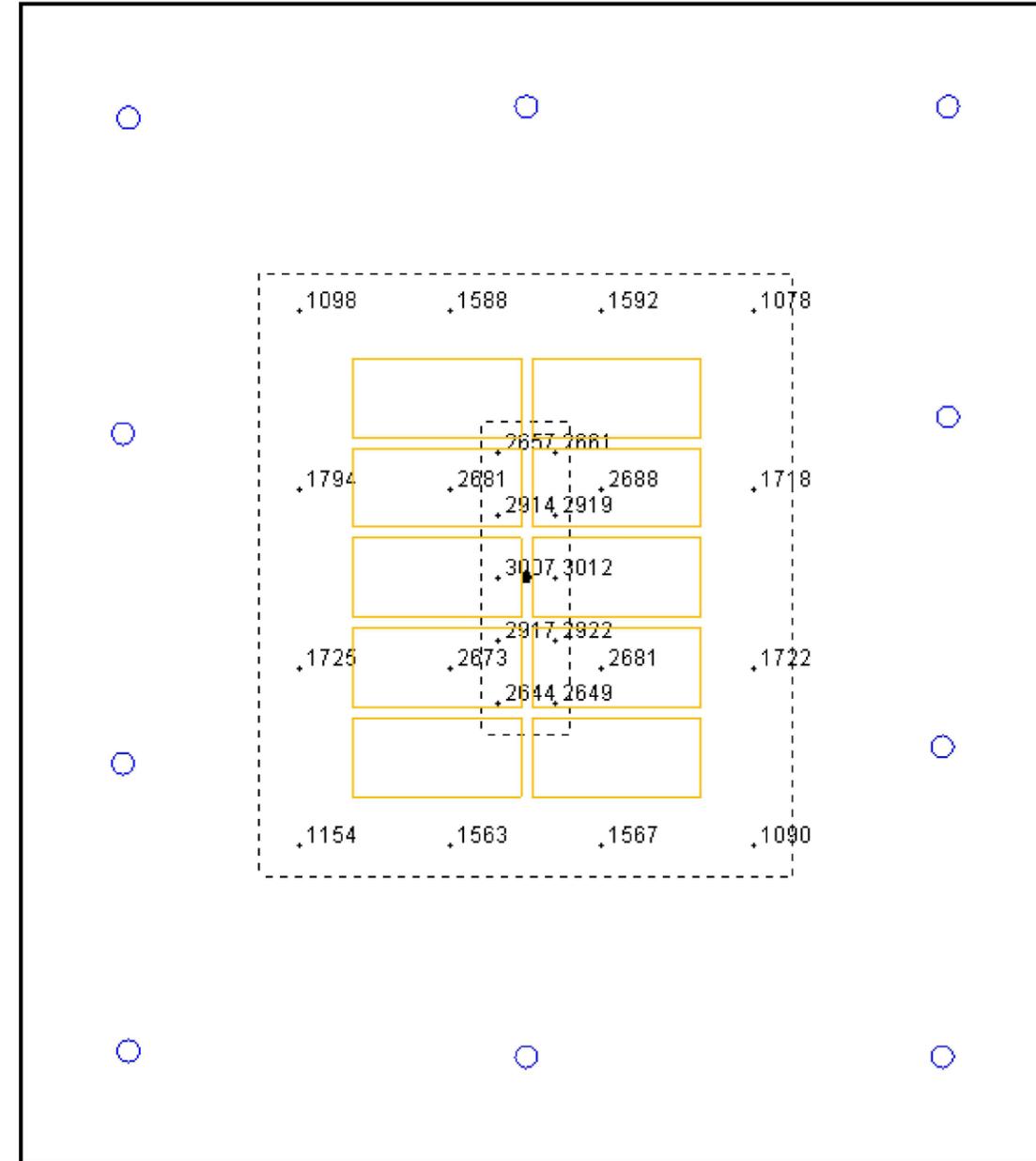
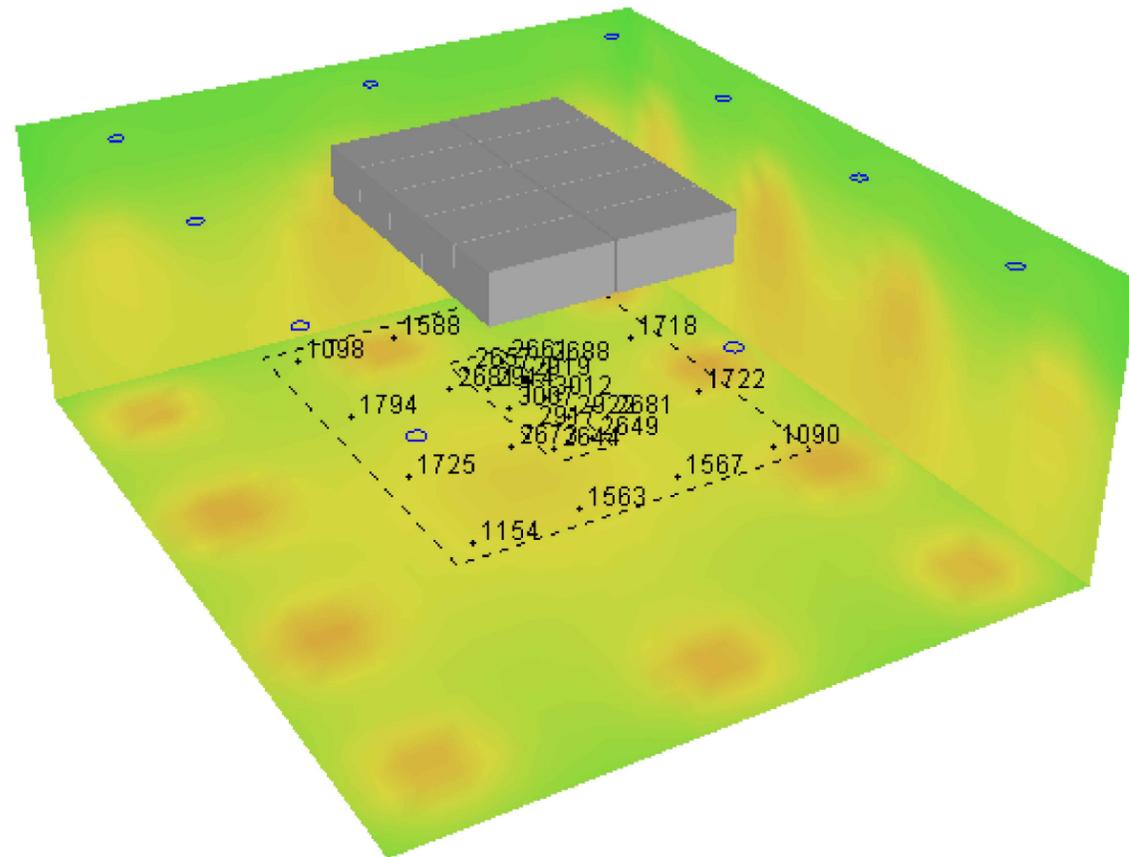
275358

Revision: 0

06-09-2023

ULTRASUITE®

OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING PHOTOMETRIC ANALYSIS - OPERATING THEATRE - LAYOUT TYPE USA +UCV 3000



LAYOUT TYPE	OPERATING TABLE (MAX)	OPERATING TABLE (AVG)	OPERATING AREA (MAX)	OPERATING AREA (AVG)
USA +UCV 1800	2221 lux	1981 lux	2104 lux	1369 lux
USA +UCV 1800B	1889 lux	1714 lux	1802 lux	1222 lux
USA +UCV 3000	3012 lux	2830 lux	2688 lux	1776 lux
USA +UCV 3000B	2682 lux	2565 lux	2448 lux	1652 lux
USA +UCV 3500	3245 lux	3114 lux	2960 lux	2041 lux

LUMINAIRE HEIGHT: 2.7 M
CALCULATION ZONE: .9 M

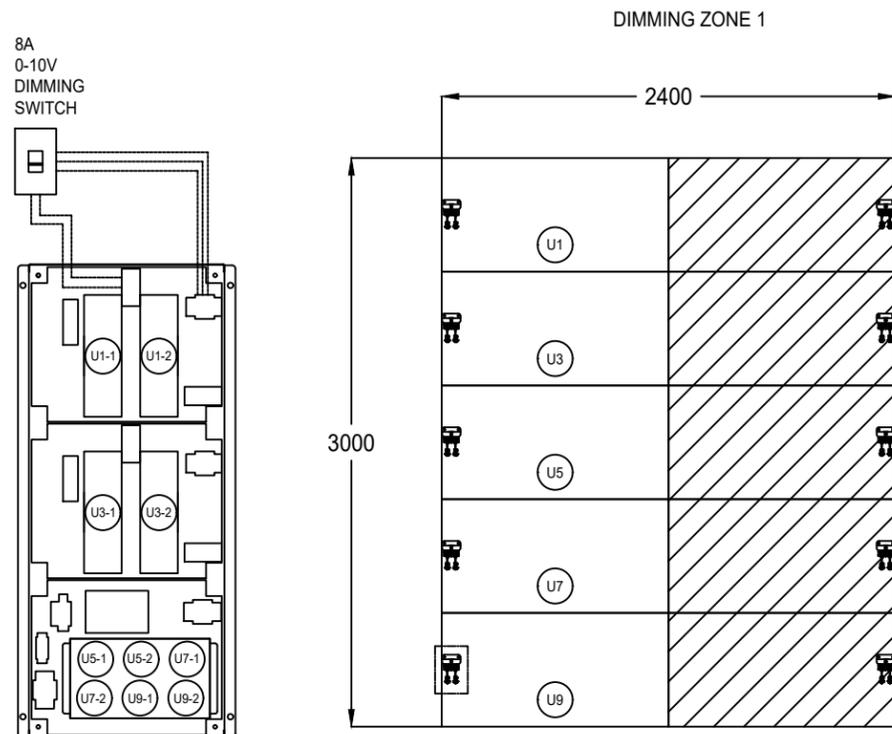
- PHOTOMETRIC ANALYSIS BASED ON A .9M CALCULATION ZONE, 74 ROOM SQ.M & 2.7M CEILING HEIGHT.
- ANSI/IES RP-29-16 RECOMMENDS 3000 LUX (279 FC) AT THE OPERATING TABLE
- THE CALCULATED VALUES REFLECT ADDITIONAL SPACE LIGHTING BY OTHERS.
- LIGHTING ANALYSIS HAS BEEN PERFORMED USING THIRD PARTY LAB TESTED .IES FILES.
- THIS LAYOUT REFLECTS TWO ROWS OF 5000K, 90+ CRI LEDS PER MODULE. A THIRD ROW, HIGH OUTPUT OPTION IS AVAILABLE.
- LIGHTING CALCULATIONS ARE ESTIMATED USING BEST PRACTICE AND MAY DIFFER SLIGHTLY FROM ACTUAL FIELD CONDITIONS.

PRICE CRITICAL ENVIRONMENTS		
Project:		
275358	Revision: 0	06-09-2023

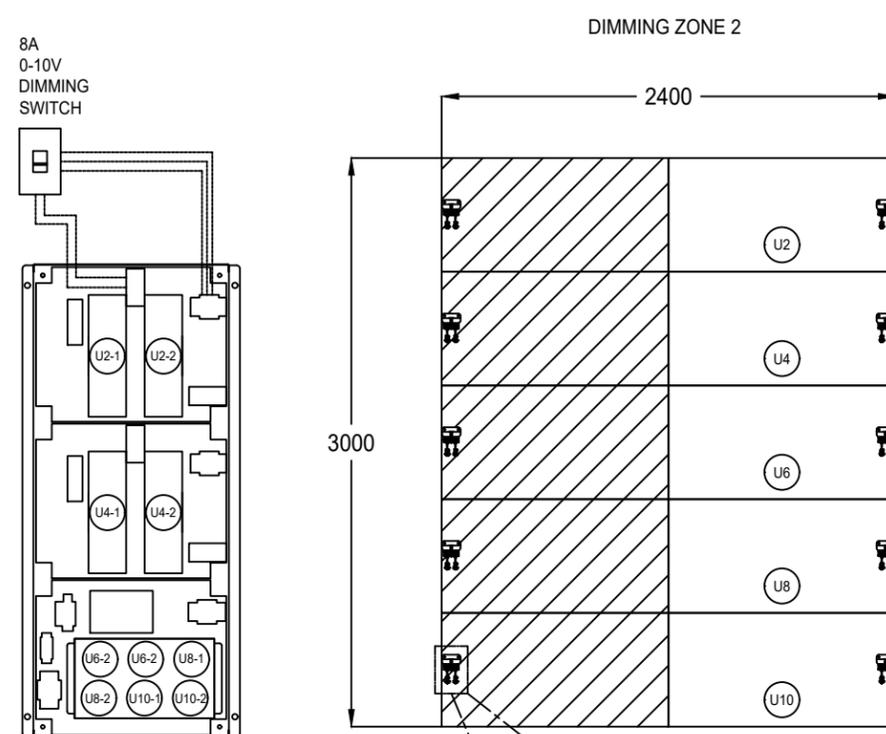
ULTRASUITE®

OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING

○ URDC ULTRA REMOTE DRIVER CABINETS - STANDARD WIRING WITH MULTIPLE DIMMING ZONES - OPERATING THEATRE LAYOUT TYPE USA +UCV 3000



CABINET 041 CONTROLS 5 MODULES WITH 5 DRIVERS THE MAX AMP DRAW IS 4.4A @ 230V~



CABINET 041 CONTROLS 5 MODULES WITH 5 DRIVERS THE MAX AMP DRAW IS 4.4A @ 230V~

CABINET 1 - 1 OF 2 - CONTROLS 5 MODULES WITH 5 DRIVERS		
DRIVER TAG	LED WATTAGE	LED DRIVER LOADING (%)
U1-1	83	86%
U1-2	83	86%
U3-1	83	86%
U3-2	83	86%
U5-1	83	83%
U5-2	83	
U7-1	83	
U7-2	83	
U9-1	83	
U9-2	83	
TOTAL WATTAGE:	830	
AC CURRENT	4.4A/240VAC	

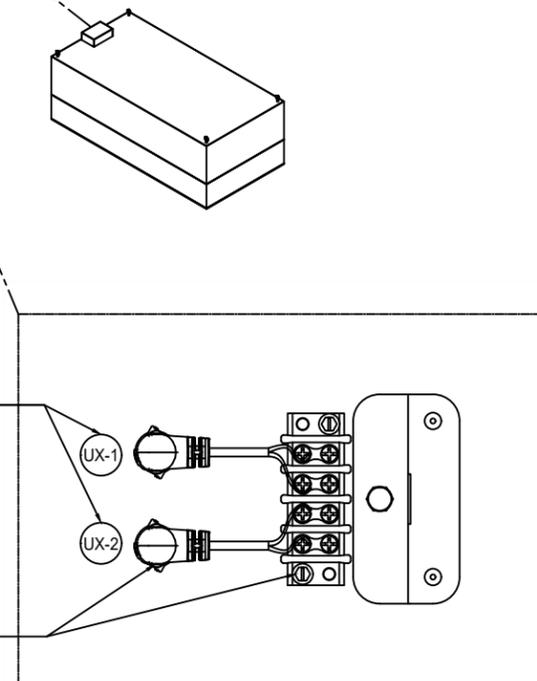
CABINET 2 - 2 OF 2 - CONTROLS 5 MODULES WITH 5 DRIVERS		
DRIVER TAG	LED WATTAGE	LED DRIVER LOADING (%)
U2-1	83	86%
U2-2	83	86%
U4-1	83	86%
U4-2	83	86%
U6-1	83	83%
U6-2	83	
U8-1	83	
U8-2	83	
U10-1	83	
U10-2	83	
TOTAL WATTAGE:	830	
AC CURRENT	4.4A/240VAC	



EACH STANDARD MODULE COMES WITH TWO ROWS OF LEDS THAT EACH REQUIRE ONE (+ & -) LOW VOLTAGE FIELD CONNECTION AND ARE NOTED BY A "UX-X" LABEL. A THIRD ROW, HIGH OUTPUT OPTION IS AVAILABLE IF REQUIRED.

EACH STANDARD MODULE COMES WITH 2 ROWS OF LED LIGHTS AND EACH ROW OF LIGHTS IS NOTED BY A "UX-X" LABEL. THE "UX" CORRESPONDS TO AN INDIVIDUAL MODULE REFERENCED IN THE RCP AND THE "-1" AND "-2" CORRESPONDS TO THE ROW OF LEDS FOR THAT MODULE. EACH "UX-X" LABEL CORRESPONDS TO ONE (+ & -) LOW VOLTAGE WIRE TO BE FIELD CONNECTED TO URDC DRIVER CABINET AS PER THE MATCHING LABELS. EACH 100W DRIVER CAN POWER 1 ROW OF LEDS (ONE HALF OF A MODULE) AND EACH 600W DRIVER CAN CONTROL 6 ROWS OF LEDS (3 MODULES)

EACH MODULE COMES WITH A TOP MOUNTED TERMINAL BLOCK ENCLOSURE (COVER NOT SHOWN) FOR LOW VOLTAGE FIELD CONNECTIONS. QUICK CONNECT FITTING IS SEALED THROUGH PLENUM AND ALL INTERNAL WIRING IS COMPLETED IN THE FACTORY. EACH ROW OF LEDS REQUIRES ONE (+&-) LOW VOLTAGE FIELD CONNECTIONS (TWO PER MODULE)



PRICE | **CRITICAL ENVIRONMENTS**

Project:

275358

Revision: 0

06-09-2023

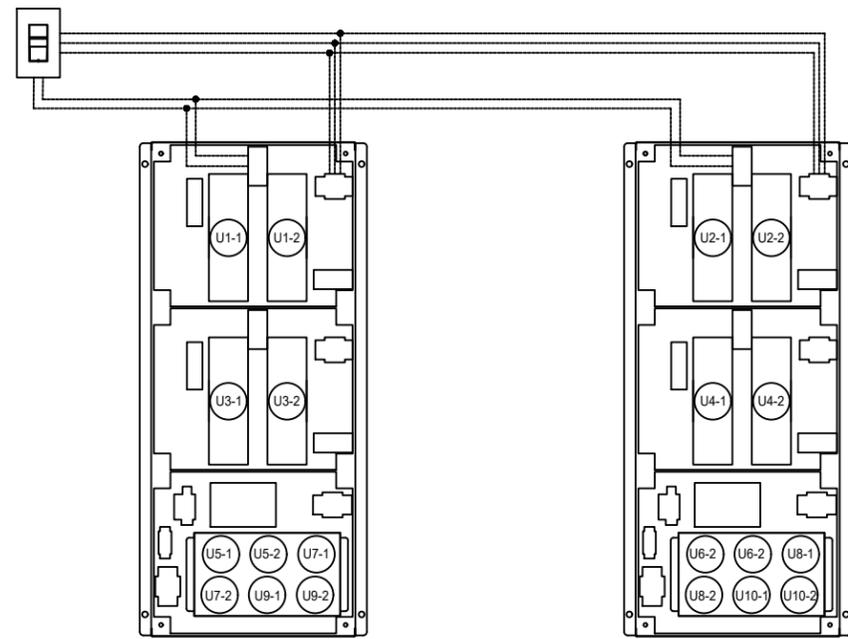
• INSTALLATION WORK AND ELECTRICAL WIRING MUST BE COMPLETED BY A CERTIFIED ELECTRICIAN AND/OR QUALIFIED PERSON(S) IN ACCORDANCE WITH APPLICABLE ELECTRICAL CODES AND STANDARDS

ULTRASUITE®

OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING

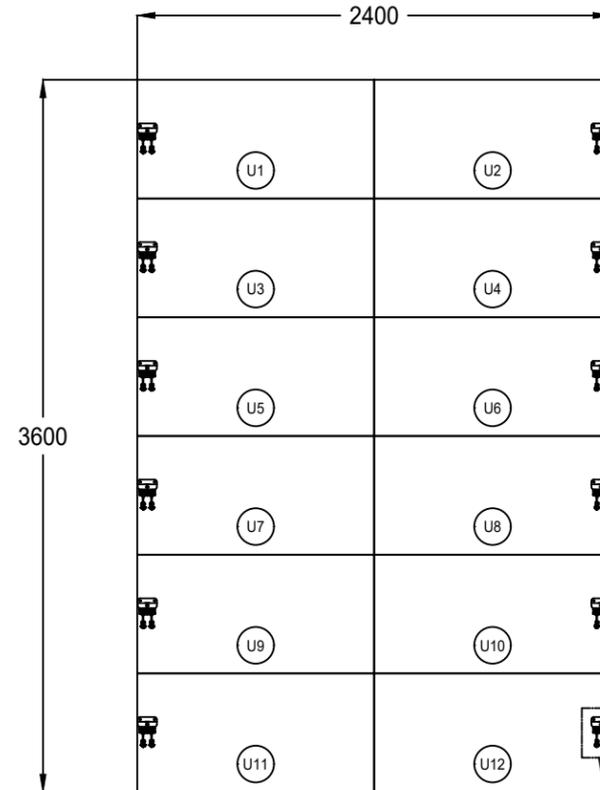
- URDC ULTRA REMOTE DRIVER CABINETS - OPTIONAL SINGLE DIMMING ZONE - OPERATING THEATRE LAYOUT TYPE USA +UCV 3000

16A
0-10V
DIMMING
SWITCH



CABINET 041 CONTROLS 5
MODULES WITH 5 DRIVERS
THE MAX AMP DRAW IS
4.4A @ 230V~

CABINET 041 CONTROLS 5
MODULES WITH 5 DRIVERS
THE MAX AMP DRAW IS
4.4A @ 230V~



CABINET 1 - 1 OF 2 - CONTROLS 5 MODULES WITH 5 DRIVERS		
DRIVER TAG	LED WATTAGE	LED DRIVER LOADING (%)
U1-1	83	86%
U1-2	83	86%
U3-1	83	86%
U3-2	83	86%
U5-1	83	83%
U5-2	83	
U7-1	83	
U7-2	83	
U9-1	83	
U9-2	83	
TOTAL WATTAGE:		830
AC CURRENT		4.4A/240VAC

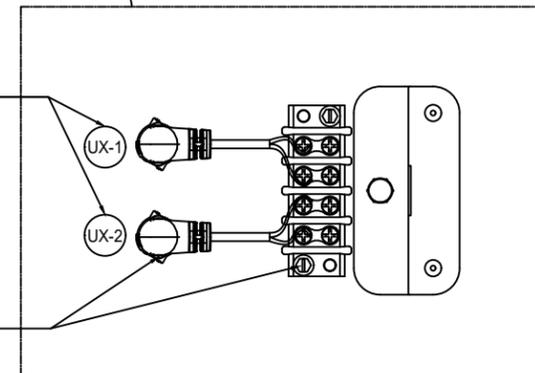
CABINET 2 - 2 OF 2 - CONTROLS 5 MODULES WITH 5 DRIVERS		
DRIVER TAG	LED WATTAGE	LED DRIVER LOADING (%)
U2-1	83	86%
U2-2	83	86%
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U4-2	83	86%
U6-1	83	83%
U6-2	83	
U8-1	83	
U8-2	83	
U10-1	83	
U10-2	83	
TOTAL WATTAGE:		830
AC CURRENT		4.4A/240VAC



EACH STANDARD MODULE COMES WITH TWO ROWS OF LEDS
THAT EACH REQUIRE ONE (+ & -) LOW VOLTAGE FIELD
CONNECTION AND ARE NOTED BY A "UX-X" LABEL.
A THIRD ROW, HIGH OUTPUT OPTION IS AVAILABLE IF REQUIRED.

EACH STANDARD MODULE COMES WITH 2 ROWS OF LED LIGHTS AND EACH
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INDIVIDUAL MODULE REFERENCED IN THE RCP AND THE "-1" AND "-2"
CORRESPONDS TO THE ROW OF LEDS FOR THAT MODULE.
EACH "UX-X" LABEL CORRESPONDS TO ONE (+ & -) LOW VOLTAGE WIRE TO BE
FIELD CONNECTED TO URDC DRIVER CABINET AS PER THE MATCHING LABELS.
EACH 100W DRIVER CAN POWER 1 ROW OF LEDS (ONE HALF OF A MODULE)
AND EACH 600W DRIVER CAN CONTROL 6 ROWS OF LEDS (3 MODULES)

EACH MODULE COMES WITH A TOP MOUNTED TERMINAL
BLOCK ENCLOSURE (COVER NOT SHOWN) FOR LOW
VOLTAGE FIELD CONNECTIONS.
QUICK CONNECT FITTING IS SEALED THROUGH PLENUM
AND ALL INTERNAL WIRING IS COMPLETED IN THE
FACTORY. EACH ROW OF LEDS REQUIRES ONE (+&-)
LOW VOLTAGE FIELD CONNECTIONS (TWO PER MODULE)



PRICE | **CRITICAL ENVIRONMENTS**

Project:

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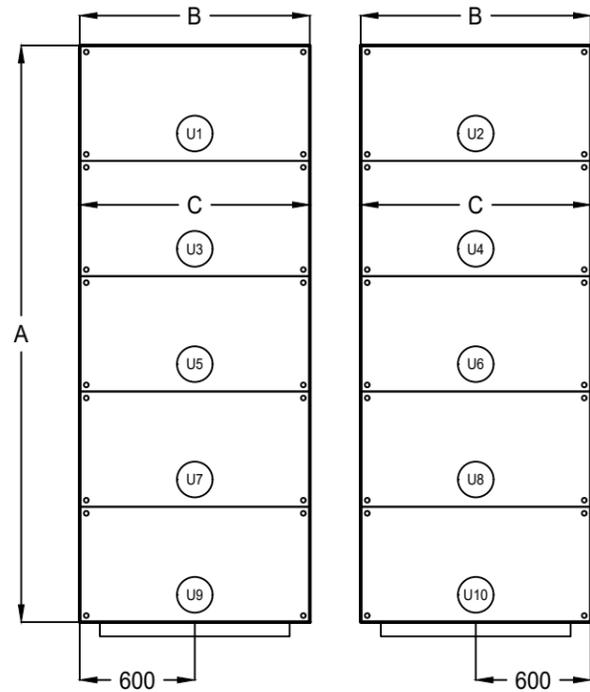
Revision: 0

06-09-2023

• INSTALLATION WORK AND ELECTRICAL WIRING MUST BE COMPLETED BY A CERTIFIED ELECTRICIAN AND/OR QUALIFIED PERSON(S) IN ACCORDANCE WITH APPLICABLE ELECTRICAL CODES AND STANDARDS

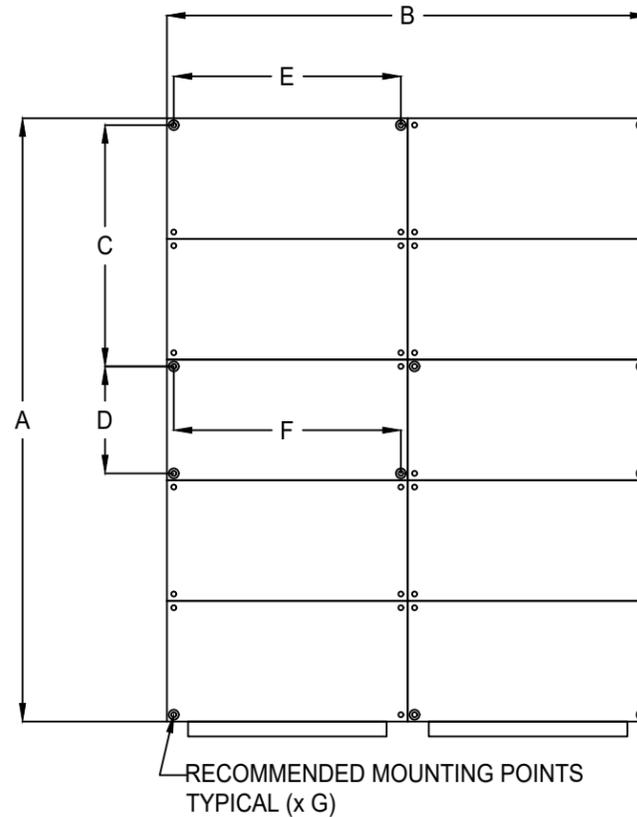
ULTRASUITE®

OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING ULTRASUITE SHIP SECTION BREAKDOWN & HANGING LOCATIONS - OPERATING THEATRE LAYOUT TYPE USA +UCV 1800 / 1800B / 3000 / 3000B

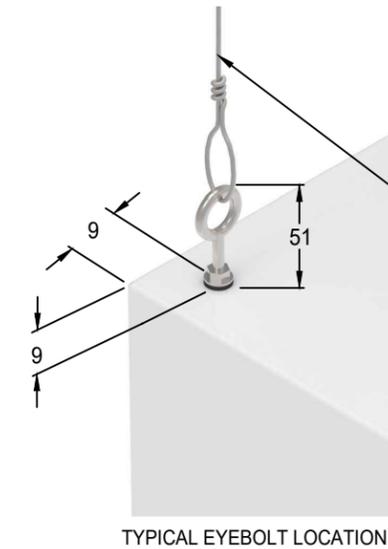


LAYOUT TYPE	A	B	C
USA +UCV 1800	1800 mm.	1200 mm.	1200 mm.
USA +UCV 1800B	1800 mm.	1200 mm.	900 mm.
USA +UCV 3000	3000 mm.	1200 mm.	1200 mm.
USA +UCV 3000B	3000 mm.	1200 mm.	900 mm.

ULTRASUITE SYSTEM SHIPS IN 2 SECTIONS TO BE FASTENED TOGETHER IN THE FIELD BY OTHERS WITH HARDWARE PROVIDED BY PRICE

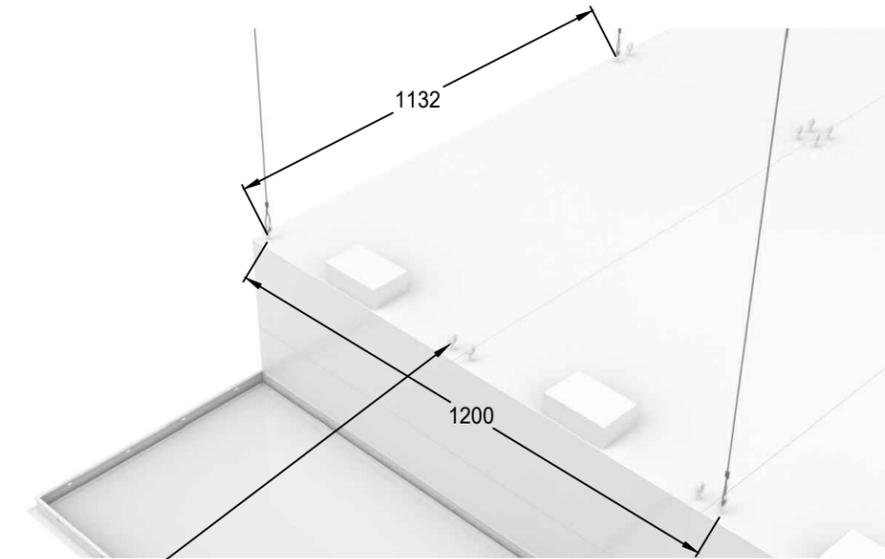


LAYOUT TYPE	A	B	C	D	E	F	G
USA +UCV 1800	1800 mm.	2400 mm.	1200 mm.	532 mm.	1132 mm.	1132 mm.	10
USA +UCV 1800B	1800 mm.	2400 mm.	1200 mm.	532 mm.	1132 mm.	832 mm.	10
USA +UCV 3000	3000 mm.	2400 mm.	1200 mm.	532 mm.	1132 mm.	1132 mm.	12
USA +UCV 3000B	3000 mm.	2400 mm.	600 mm.	532 mm.	1132 mm.	832 mm.	12



USA SECTIONS TO BE HUNG WITH PRE-STRESSED 12 GA. HANGER WIRE TO SLAB OR STRUCTURAL STEEL ABOVE THE CEILING ACCORDING TO ASTM C636, OR LOCAL BUILDING CODES (AS APPLICABLE)

TYPICAL EYEBOLT LOCATION



TYPICAL HANGER WIRE SPACING

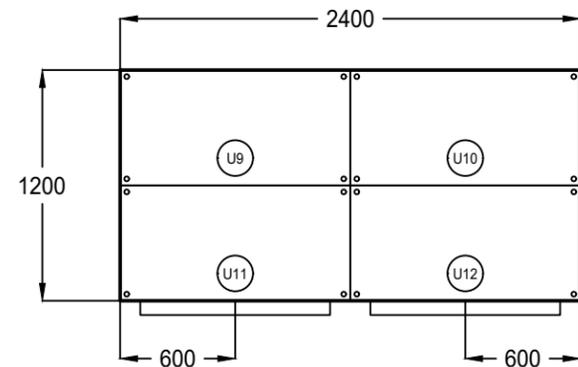
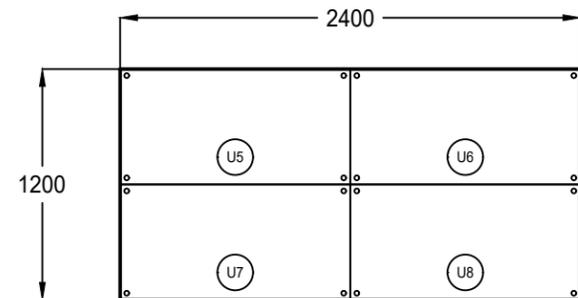
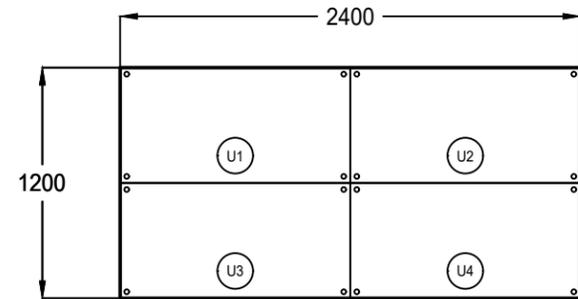
EACH ULTRASUITE MODULE COMES WITH 4 EYE BOLTS FOR HANGING. PRICE RECOMMENDS HANGING SYSTEM EVERY ~1.2M AS REQUIRED

price CRITICAL ENVIRONMENTS		
Project:		
275358	Revision: 0	06-09-2023

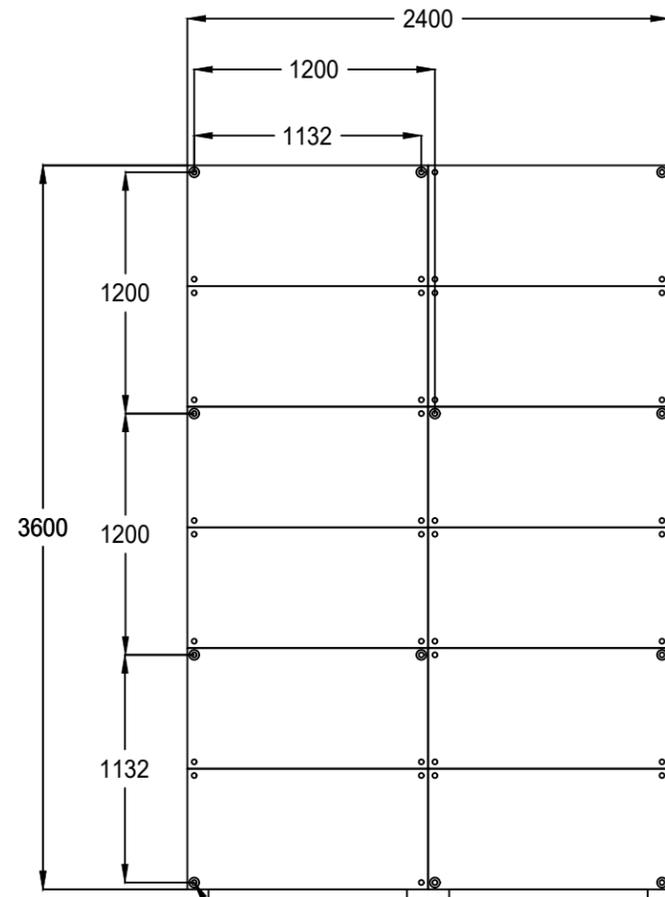
• ULTRASUITE SHIPS IN FACTORY WELDED SHIP SECTIONS TO BE FASTENED TOGETHER IN THE FIELD BY OTHERS
• MOUNTING LOCATIONS ARE SHOWN FOR REFERENCE ONLY. EXACT MOUNTING LOCATIONS TO BE DETERMINED BY THE EOR OR INSTALLER ON THE PROJECT AND MUST COMPLY WITH ALL APPLICABLE CODES AND STANDARDS.

ULTRASUITE®

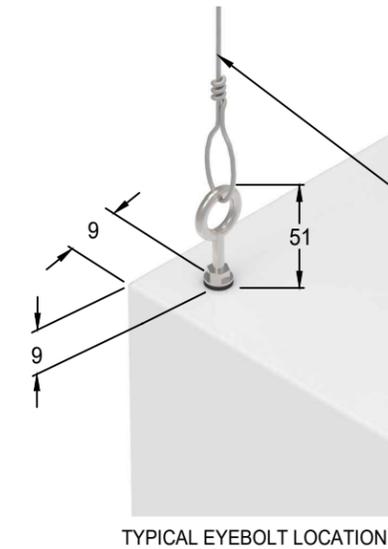
OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING ULTRASUITE SHIP SECTION BREAKDOWN & HANGING LOCATIONS - OPERATING THEATRE LAYOUT TYPE USA+ UCV 3500



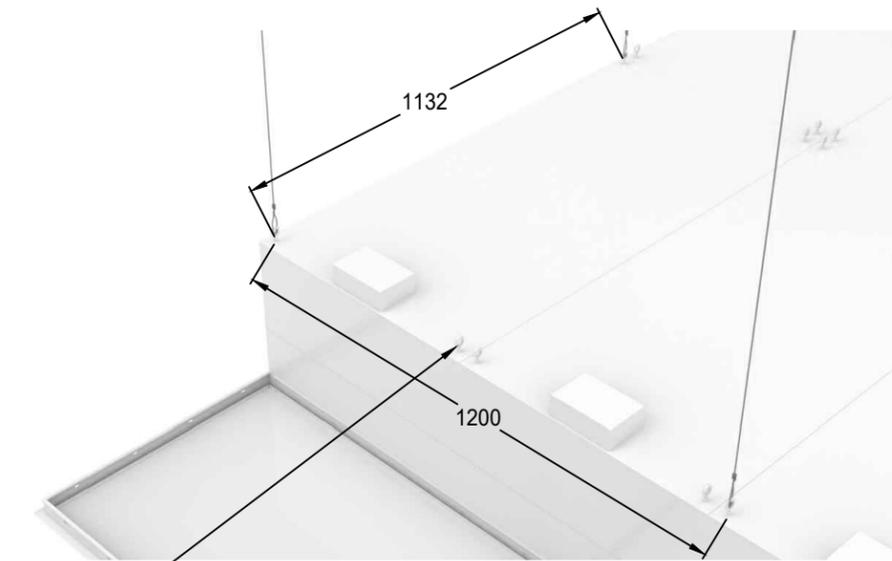
ULTRASUITE SYSTEM SHIPS IN 3 SECTIONS
TO BE FASTENED TOGETHER IN THE FIELD BY
OTHERS WITH HARDWARE PROVIDED BY PRICE



RECOMMENDED MOUNTING POINTS
TYPICAL (x 12)



TYPICAL EYEBOLT LOCATION



TYPICAL HANGER WIRE SPACING

EACH ULTRASUITE MODULE COMES
WITH 4 EYE BOLTS FOR HANGING.
PRICE RECOMMENDS HANGING
SYSTEM EVERY ~1.2M AS REQUIRED

- ULTRASUITE SHIPS IN FACTORY WELDED SHIP SECTIONS TO BE FASTENED TOGETHER IN THE FIELD BY OTHERS
- MOUNTING LOCATIONS ARE SHOWN FOR REFERENCE ONLY. EXACT MOUNTING LOCATIONS TO BE DETERMINED BY THE EOR OR INSTALLER ON THE PROJECT AND MUST COMPLY WITH ALL APPLICABLE CODES AND STANDARDS.

PRICE | **CRITICAL ENVIRONMENTS**

Project:

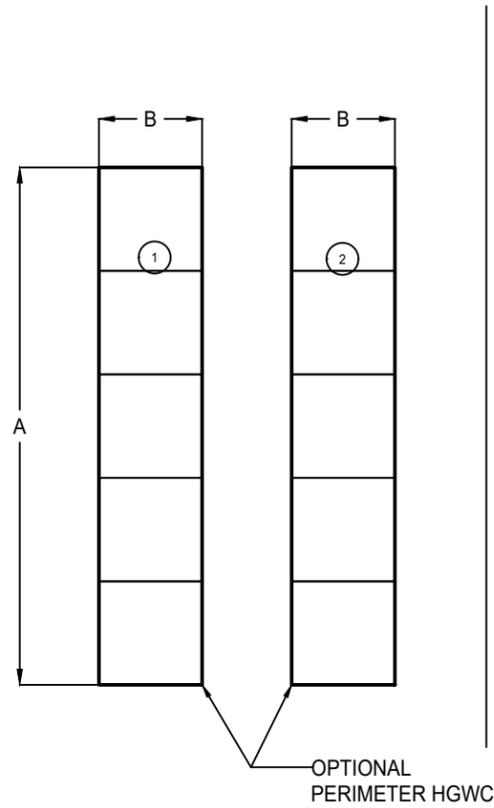
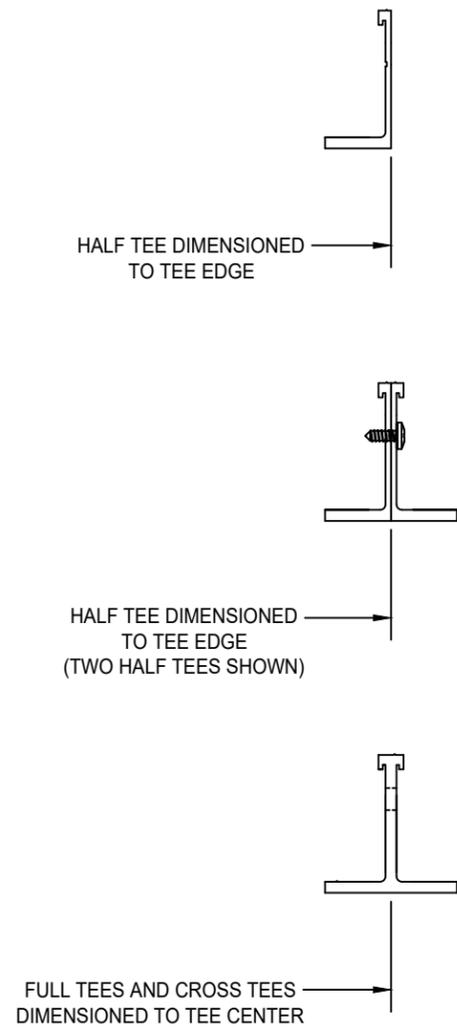
275358

Revision: 0

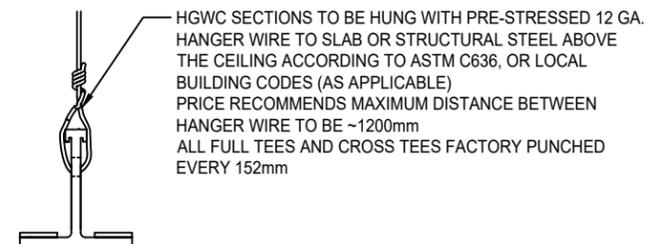
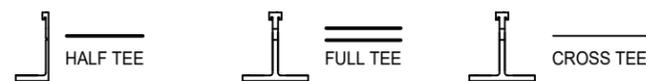
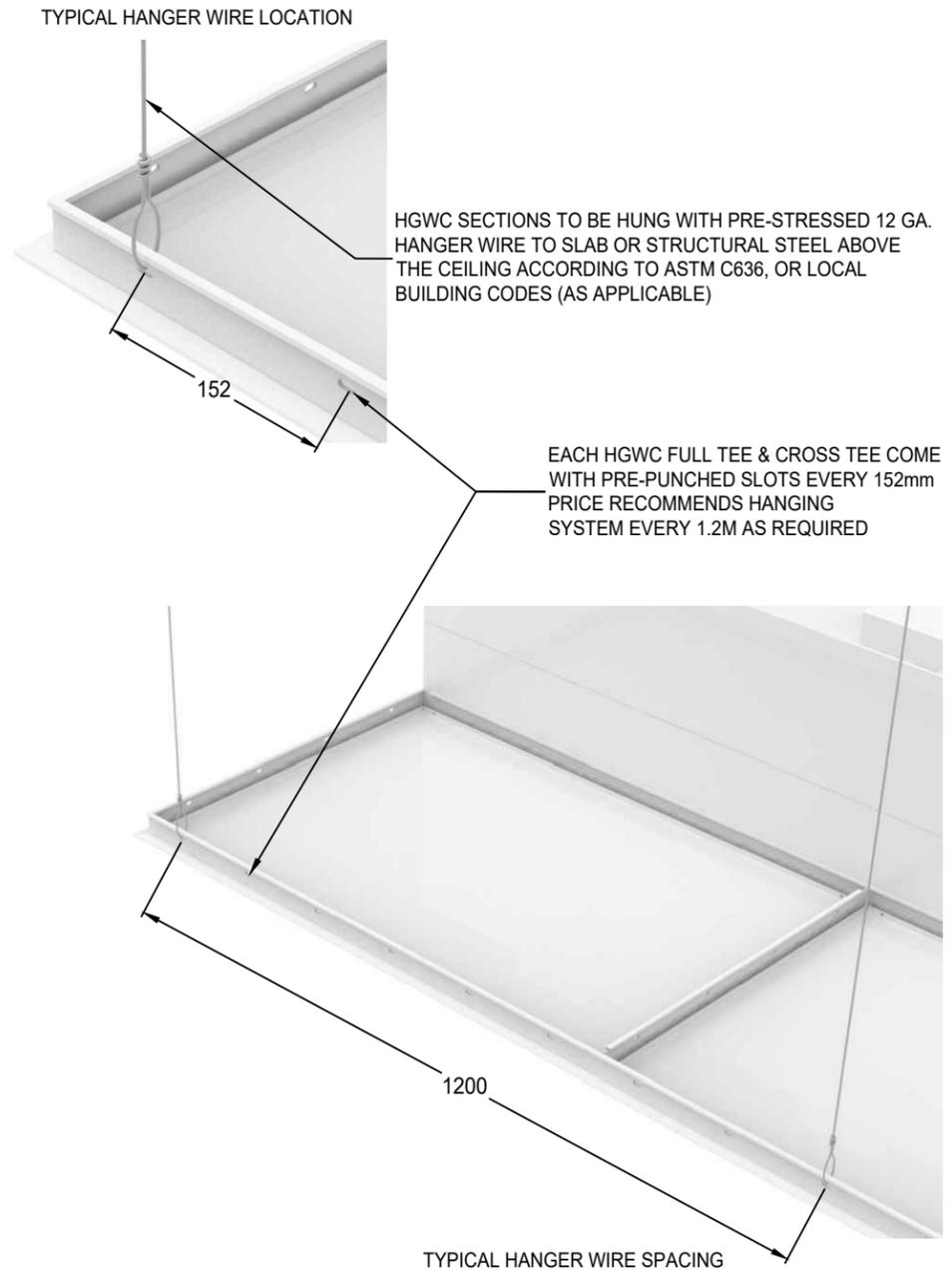
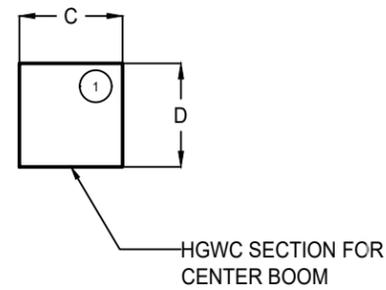
06-09-2023

ULTRASUITE®

OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING HGWC SHIP SECTION BREAKDOWN & HANGING DETAILS - OPERATING THEATRE USA +UCV 1800 / 3000 USA +UCV 1800B / 3000B



LAYOUT TYPE	A	B	C	D	SECTION QTY
USA +UCV 1800	1800 mm.	600 mm.	-	-	2
USA +UCV 1800B	-	-	600 mm.	600 mm.	1
USA +UCV 3000	3000 mm.	600 mm.	-	-	2
USA +UCV 3000B	-	-	600 mm.	600 mm.	1



- THE HGWC GRID IS SUPPLIED IN MULTIPLE FACTORY ASSEMBLED SECTIONS NO LARGER THAN 3M x 1.2M
- THE CEILING IS FACTORY PRE-MANUFACTURED TO SIZES AND TOLERANCE +/- 2mm

PRICE | **CRITICAL ENVIRONMENTS**

Project:

275358

Revision: 0

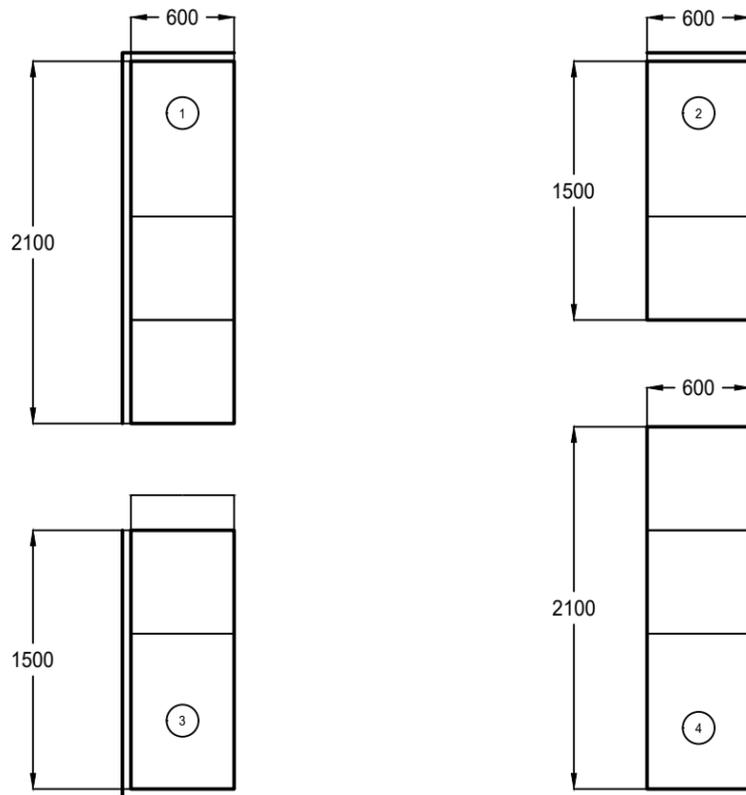
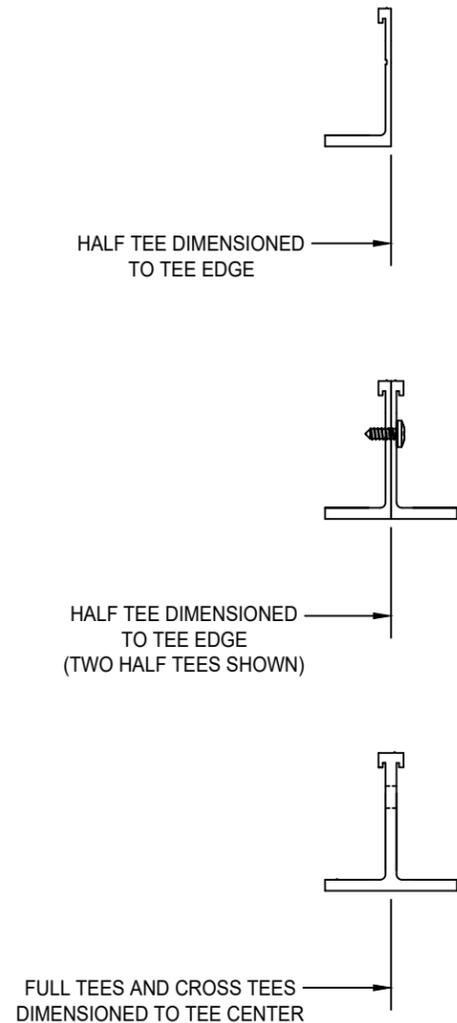
06-09-2023

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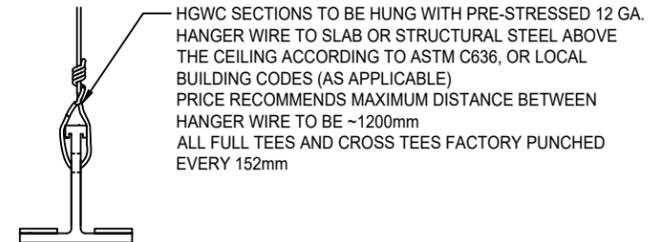
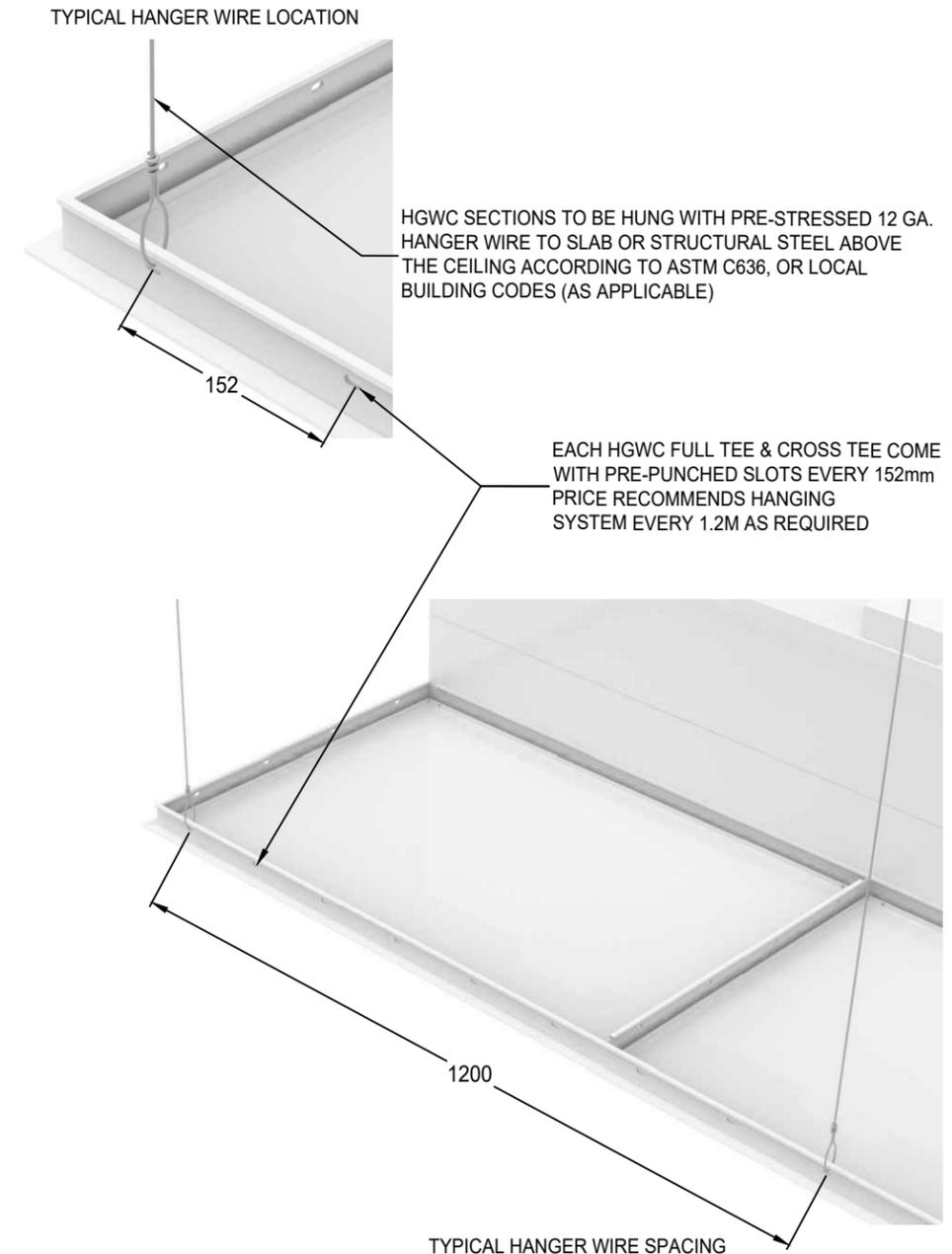
OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING

HGWC SHIP SECTION BREAKDOWN & HANGING DETAILS - OPERATING THEATRE

LAYOUT TYPE USA +UCV 3500



OPTIONAL PERIMETER HGWC

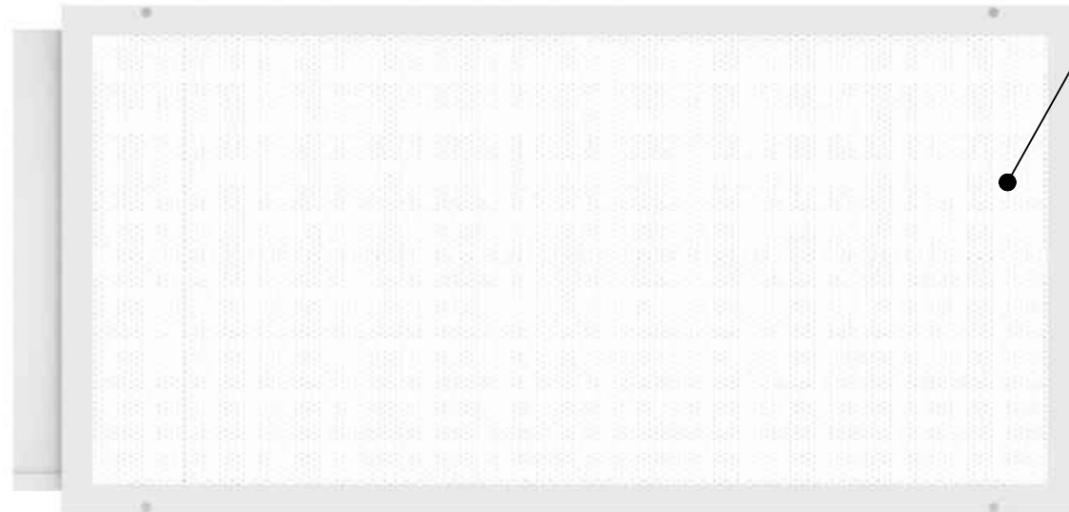
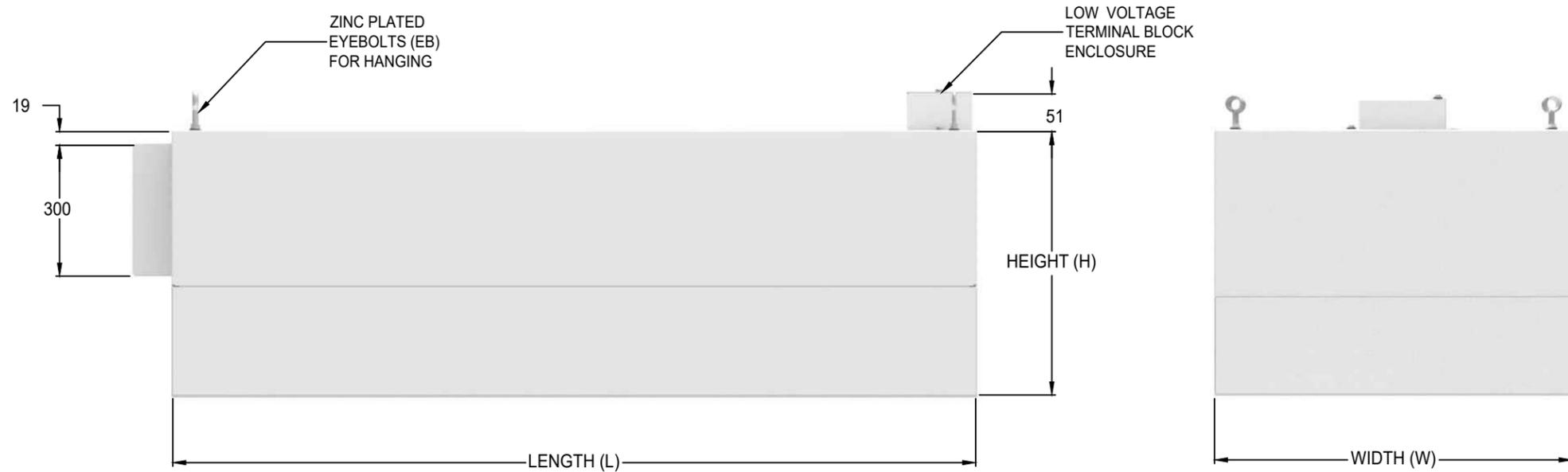


- THE HGWC GRID IS SUPPLIED IN MULTIPLE FACTORY ASSEMBLED SECTIONS NO LARGER THAN 3M x 1.2M
- THE CEILING IS FACTORY PRE-MANUFACTURED TO SIZES AND TOLERANCE +/- 2mm

price CRITICAL ENVIRONMENTS		
Project:		
275358	Revision: 0	06-09-2023

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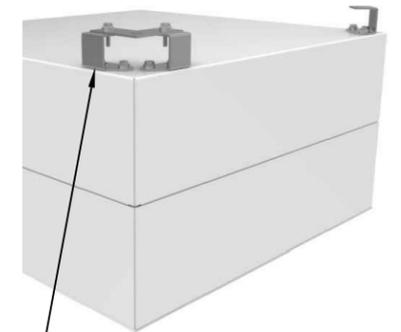
OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING



TRANSLUCENT
POLYMER PERFORATED
DIFFUSER FACE
13% FREE AREA



OPTIONAL GALVANIZED FLUSH
BRACKETS (BR) FOR HANGING



OPTIONAL GALVANIZED CORNER
BRACKETS FOR HANGING

STANDARD CONSTRUCTION

- 14 GA (1.6mm THICK) ALUMINUM PLENUM
- EXTRUDED ALUMINUM OUTER FRAME AND DIFFUSER FACE FRAME
- TIG WELDED PLENUM, DIFFUSER FACE AND OUTER FRAME
- ZINC PLATED EYE BOLTS FOR HANGING
 - OPTIONAL GALVANIZED FLUSH BRACKETS FOR HANGING
 - OPTIONAL GALVANIZED CORNER BRACKETS FOR HANGING
- ROOM-SIDE ADJUSTABLE APERTURE PLATE DAMPER
- TWO STAINLESS STEEL RETAINER CABLES PER DIFFUSER FACE
- DIFFUSER FACE SECURED WITH COUNTERSUNK FLAT HEAD MACHINE SCREWS

LED LIGHTING SPECIFICATIONS

- LED LIGHTING INTEGRATED INTO EACH DIFFUSER MODULE
- IP67 RATED LED STRIP WITH QUICK CONNECTORS
- COLOR RENDERING INDEX (CRI) 90
- L80>60,000 HRS
- FOR IES PHOTOMETRIC FILES VISIT:
www.priceindustries.com/criticalenvironments/products/ultrasuite

FINISH

- B12 WHITE
- OPTIONAL AMB12 ANTI-MICROBIAL WHITE

LED COLOR TEMPERATURE

- 5000K (W935)
- OPTIONAL 4300K (W930)

LISTINGS

- **UL 1598/CSA C22.2 #250.0** - AIR-HANDLING LUMINAIRES
- **UL 2043** - FIRE TEST FOR HEAT AND VISIBLE SMOKE RELEASE FOR DISCRETE PRODUCTS AND THEIR ACCESSORIES INSTALLED IN AIR-HANDLING SPACES
- **UL 2108/CSA 22.2#250.0** - LOW VOLTAGE LIGHTING SYSTEM
- **UL 8750/CSA-C22.2 #250.13** - LIGHT EMITTING DIODE (LED) EQUIPMENT FOR USE IN LIGHTING PRODUCTS
- **UL 1310/CSA C22.2 #223-M91** - CLASS 2 POWER UNITS
- **UL 94** - FLAMMABILITY OF PLASTIC MATERIALS FOR PARTS IN DEVICES AND APPLIANCES
- **IP 67** - RATED INGRESS PROTECTION AGAINST DUST AND LIQUIDS
- **MIL-STD-461** - ELECTROMAGNETIC COMPATIBILITY

price | **CRITICAL ENVIRONMENTS**

Project:

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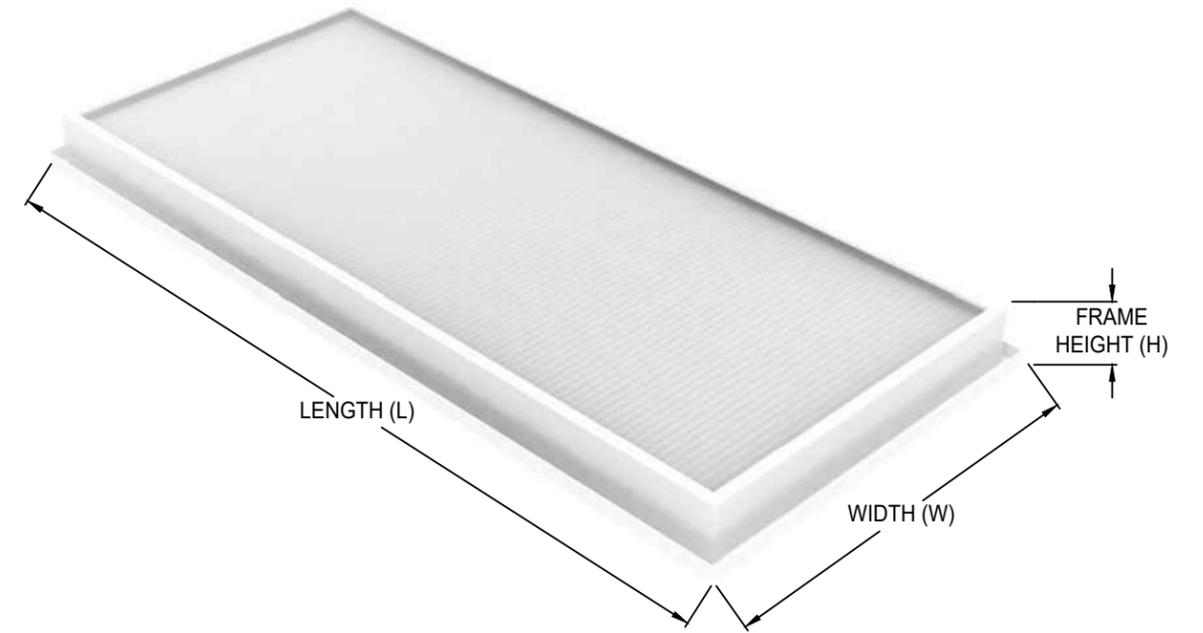
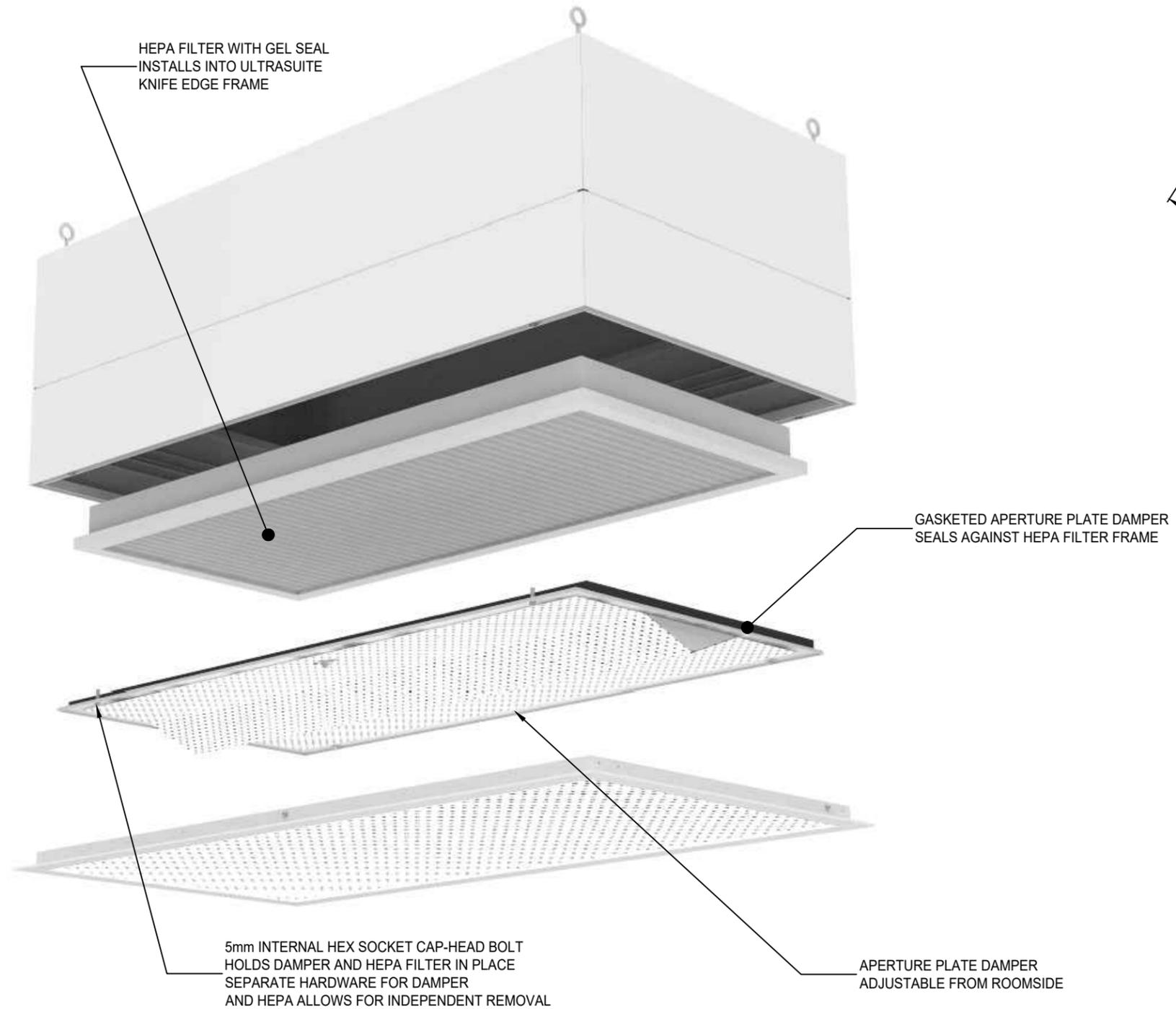
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ULTRASUITE®

OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING

FACE ACCESS APERTURE PLATE DAMPER DETAILS

○ OPTIONAL ROOMSIDE HEPA FILTRATION



STANDARD FILTER SIZING CHART					
UNIT WIDTH	UNIT LENGTH	FILTER WIDTH (W)	FILTER WIDTH (L)	FILTER WIDTH (W)	FILTER WIDTH (L)
600	900	489.0	789.0	19.252"	31.063"
600	1200	489.0	1089.0	19.252"	42.874"

NOTES:

- FILTER PLEATS RUN PARALLEL TO THE WIDTH (W) DIMENSION
- DIMENSIONS W & L TOLERANCES +/- 2mm
- FILTERS COME WITH GEL SEAL FILLED CHANNEL
- FILTERS MUST BE ORDERED SEPARATELY UNDER THE FTR-1-X LINESTRING

FRAME DETAILS:

- MATERIAL: ANODIZED EXTRUDED ALUMINUM
- THICKNESS: 2mm (MINIMUM)
- FILTERS ARE UL 900 CLASS 1 CERTIFIED
- EFFICIENCY AND LEAK SCAN TESTED
- HEPA EFFICIENCY: 99.99% (.3 MICRON)
- MINIMUM MODULE WIDTH FOR ROOMSIDE HEPA FILTRATION IS 300mm



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VISIT PRICE INDUSTRIES WEBSITE FOR FILTER QUICK START GUIDE

<https://www.priceindustries.com/content/uploads/assets/literature/manuals/section%20e/ftr-room-side-replaceable-filter-rsr-quick-start-guide.pdf>

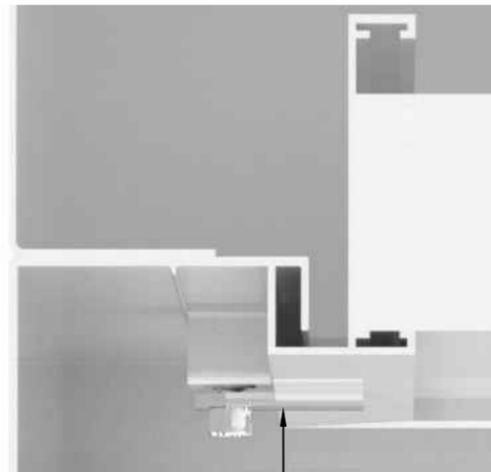
NOTE:

UL 1598 DOES NOT HAVE PROVISIONS FOR HEPA FILTERS MOUNTED WITHIN FIXTURE. USA COMPLIES WITH UL 1598 WITH HEPA FILTERS ORDERED SEPERATELY ON FTR-1-X LINESTRING.

ULTRASUITE®

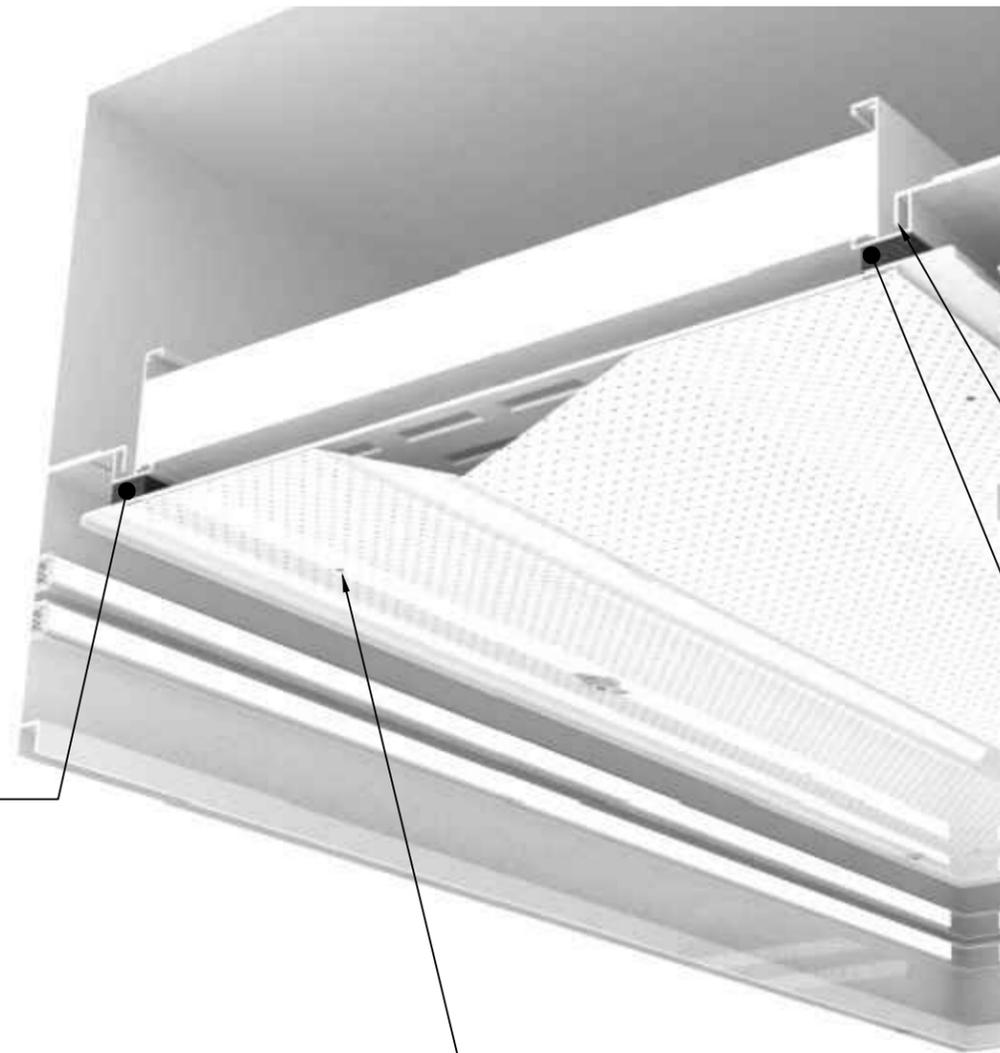
OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING FACE ACCESS APERTURE PLATE DAMPER DETAILS ○ OPTIONAL ROOMSIDE HEPA FILTRATION

FILTER HOLD DOWN TAB DETAIL



FILTER HOLD
DOWN TAB

APERTURE PLATE
DAMPER WITH UL2043
RATED GASKET
SEALS AGAINST
THE KNIFE EDGE

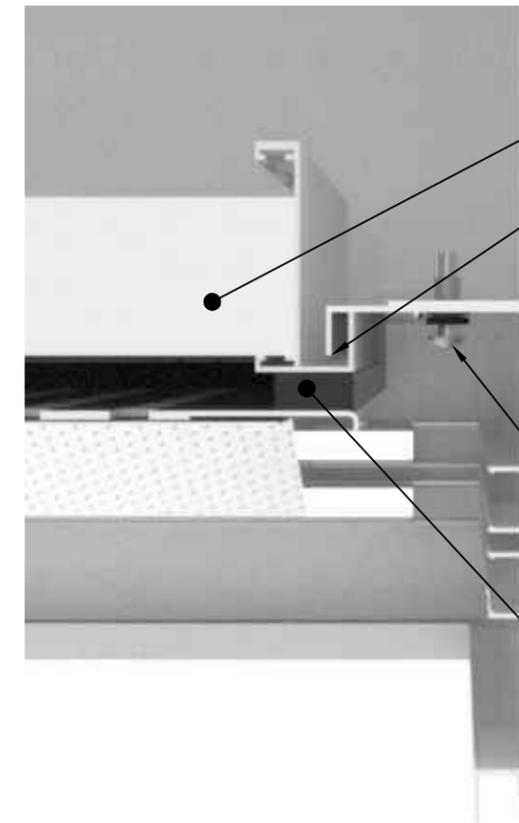


DAMPER SECURED
IN PLACE WITH SCREWS
INSTALL BY USING 5mm ALLEN KEY

KNIFE EDGE

HEPA FILTER
GEL SEAL

STATIC PRESSURE PORT DETAIL



HEPA FILTER

KNIFE EDGE

STATIC
PRESSURE
PORT

APERTURE PLATE
DAMPER WITH UL2043
RATED GASKET
SEALS AGAINST
THE HEPA FRAME

price | **CRITICAL ENVIRONMENTS**

Project:

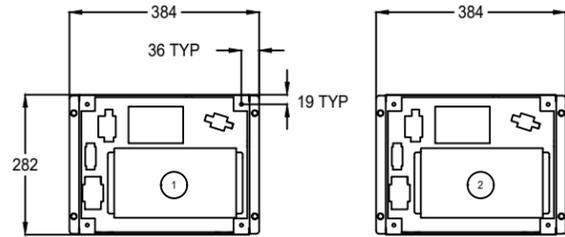
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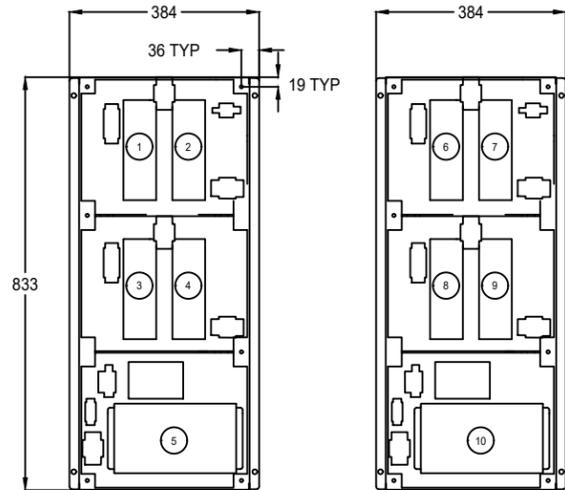
06-09-2023

ULTRASUITE®

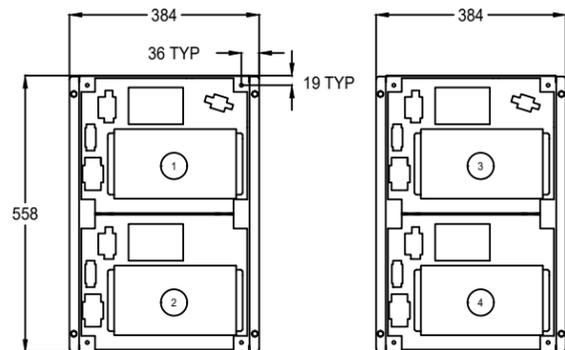
OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING URDC ULTRA REMOTE DRIVER CABINETS - STANDARD OFFERINGS



LAYOUT TYPE	CABINET TYPE	DRIVER	LED DRIVER LOADING %	TOTAL WATTAGE	AC CURRENT
USA +UCV 1800	URDC TYPE CD-001	1	83	498	3.3/240VAC
	URDC TYPE CD-001	2	83	498	3.3/240VAC
USA +UCV 1800B	URDC TYPE CD-001	1	78	468	3.3/240VAC
	URDC TYPE CD-001	2	78	468	3.3/240VAC



LAYOUT TYPE	CABINET TYPE	DRIVER	LED DRIVER LOADING %	TOTAL WATTAGE	AC CURRENT
USA +UCV 3000	URDC TYPE CD-042	1 & 2	86	830	4.4/240VAC
		3 & 4	86		
		5	83		
USA +UCV 3000B	URDC TYPE CD-042	6 & 7	86	830	4.4/240VAC
		8 & 9	86		
		10	83		



LAYOUT TYPE	CABINET TYPE	DRIVER	LED DRIVER LOADING %	TOTAL WATTAGE	AC CURRENT
USA +UCV 3500	URDC TYPE CD-002	1	83	996	6.6/240VAC
		2	83		
	URDC TYPE CD-002	3	83	996	6.6/240VAC
		4	83		

- ALL DRIVER CABINETS ARE ORDERED ON URDC-1-X LINESTRING.
- REMOTE DRIVER CABINETS REQUIRE SINGLE POINT HIGH VOLTAGE (240V~) CONNECTION.
- ALL DIMMING SWITCHES ARE ORDERED ON UCA-1-X LINESTRING.
- 0-10V DIMMING SWITCH SHIPPED LOOSE. THE TOTAL LENGTH FOR 0-10V CONTROL SIGNAL WIRING FOR THIS CONTROL SHOULD NOT EXCEED 500'. DO NOT USE WIRE SMALLER THAN 20 AWG.
- 8A AND 16A 0-10V DIMMING SWITCHES AVAILABLE. DIMMING ZONES AND CONTROL ARE COMPLETELY CUSTOMIZABLE. 0-10V DIMMING SIGNAL FROM SWITCH CAN CONTROL UP TO 100 DRIVERS.
- LED DRIVER TYPE C AND CD OFFERS CONTINUOUS, FLICKER-FREE DIMMING FROM 100% TO 10% WITH 0-10 VOLTAGE DIMMER SHIPPED LOOSE
 - OPTIONAL LED DRIVER TYPE C AND CD OFFERS CONTINUOUS, FLICKER-FREE DIMMING FROM 100% TO 10% WITH SOLID STATE RELAY. 4-32VDC RELAY SHUT OFF SIGNAL AND 0-10VDC DIMMING SIGNAL PROVIDED BY OTHERS
 - OPTIONAL LED DRIVER TYPE B OFFERS CONTINUOUS, FLICKER-FREE DIMMING FROM 100% TO 0.1% WITH HIGH VOLTAGE DIMMER SHIPPED LOOSE
- 30A DISCONNECT SWITCH AVAILABLE TO PROVIDE FULL SYSTEM SHUTOFF WHEN UTILIZING 0-10V SIGNAL
- LED DRIVERS SHIP FACTORY WIRED AND INSTALLED IN REMOTE DRIVER CABINETS.
- URDC DRIVER CABINETS CAN BE WALL MOUNTED, TYPICALLY IN AN ADJACENT EQUIPMENT ROOM, OR INSTALLED ABOVE THE CEILING. DRIVER CABINETS CANNOT BE RECESSED BETWEEN WALL STUDS AS THEY REQUIRE VENTILATION.
- ULTRASUITE MODULES COME WITH FACTORY WIRED AND INSTALLED TOP MOUNTED LOW VOLTAGE TERMINAL BLOCK ENCLOSURE
- INCOMING HIGH VOLTAGE POWER AND LOW VOLTAGE CONNECTION BETWEEN ULTRASUITE MODULES AND REMOTE DRIVER CABINET ARE THE RESPONSIBILITY OF THE INSTALLER.
- MAX DISTANCE BETWEEN ULTRASUITE MODULE AND REMOTE DRIVER CABINET IS DEPENDANT ON WIRE GAUGE TO MINIMIZE VOLTAGE DROP. SEE TABLE BELOW.
- SEE ULTRASUITE INSTALLATION MANUAL AVAILABLE AT <https://www.priceindustries.com/criticalenvironments/products/ultrasuite> FOR RECOMMENDED REMOTE DRIVER CABINET AND ULTRASUITE SYSTEM INSTALLATION.

TYPE CD - REMOTE DRIVER CABINET DIMENSIONS						
DRIVER CABINET	# OF MODULES	# OF DRIVERS	L	W	H	WEIGHT
001	3	1	282	384	127	9 kg.
041	5	5	833	384	127	23 kg.
002	6	2	558	384	127	18 kg.

LOW VOLTAGE WIRE LENGTHS	
WIRE GAUGE (awg)	LENGTH OF WIRE
18	15
16	25
14	45
12	70
10	115



Project:

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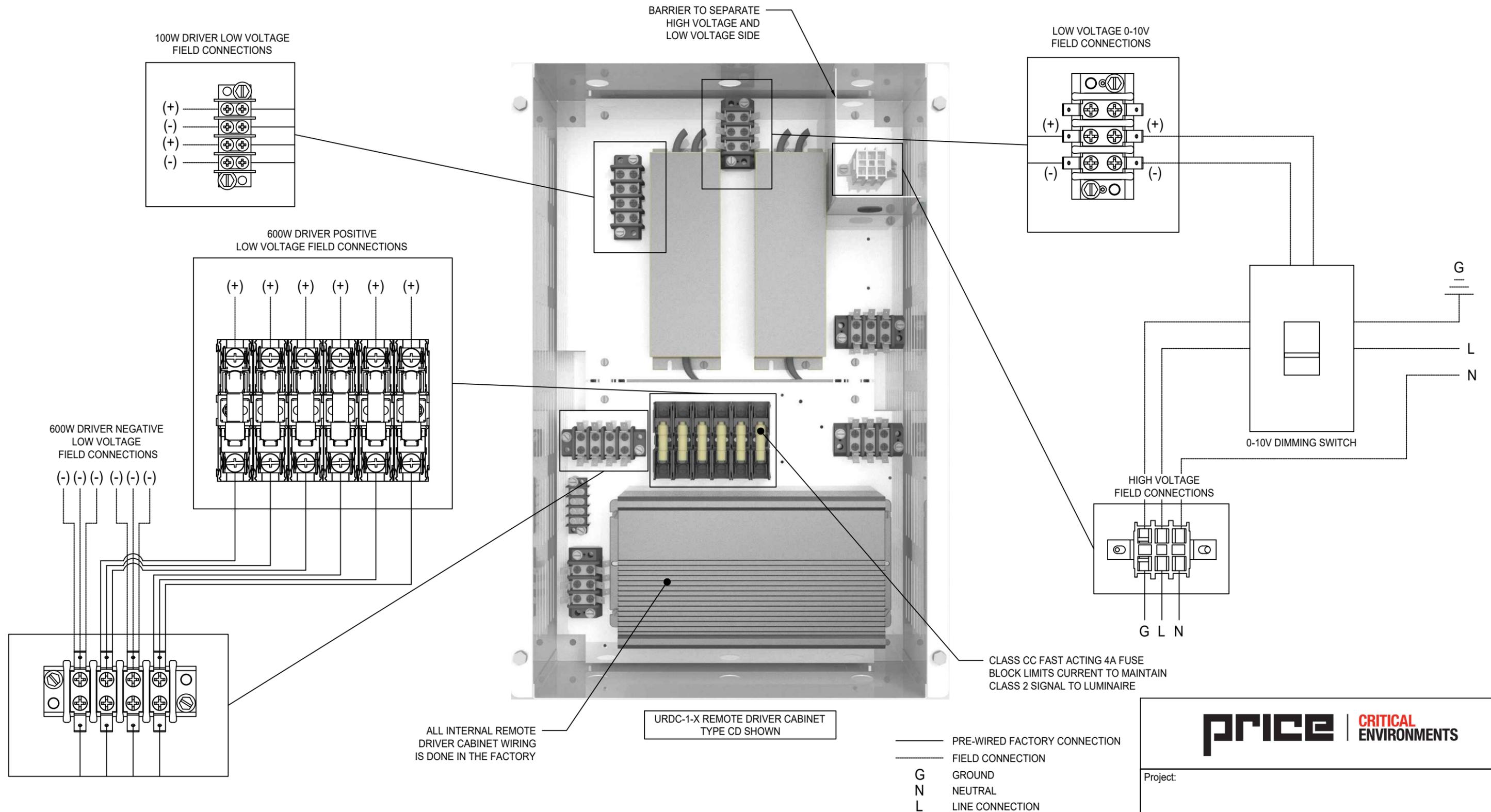
Revision: 0

06-09-2023

ULTRASUITE®

OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING

○ URDC ULTRA REMOTE DRIVER CABINETS - STANDARD WIRING FOR MULTIPLE DIMMING ZONES PER LAYOUT



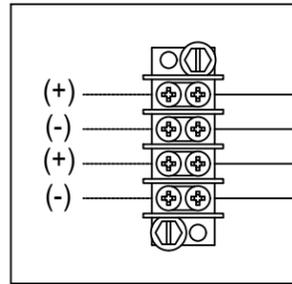
• VISUAL WIRING DETAIL IS SHOWN FOR REFERENCE ONLY, REFERENCE INSTALLATION MANUAL FOR WIRING DIAGRAMS
 • INSTALLATION WORK AND ELECTRICAL WIRING MUST BE COMPLETED BY A CERTIFIED ELECTRICIAN AND/OR QUALIFIED PERSON(S) IN ACCORDANCE WITH APPLICABLE ELECTRICAL CODES AND STANDARDS

ULTRASUITE®

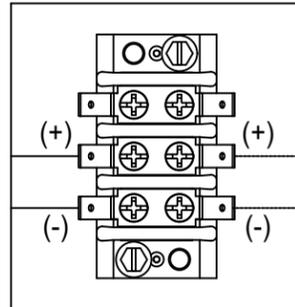
OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING

○ URDC ULTRA REMOTE DRIVER CABINETS - OPTIONAL WIRING FOR SINGLE DIMMING ZONE PER LAYOUT

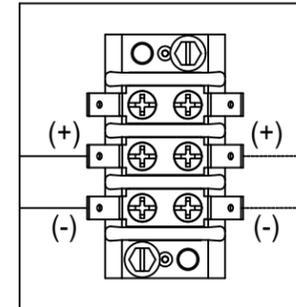
100W DRIVER LOW VOLTAGE FIELD CONNECTIONS



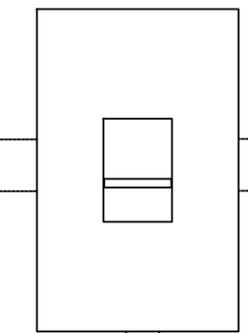
LOW VOLTAGE 0-10V FIELD CONNECTIONS



LOW VOLTAGE 0-10V FIELD CONNECTIONS

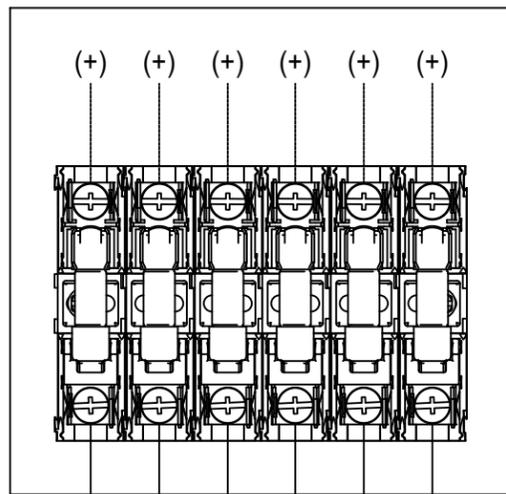


0-10V DIMMING SWITCH



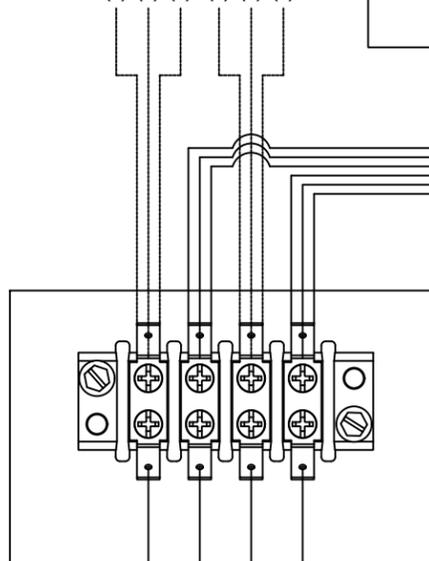
BARRIER TO SEPARATE HIGH VOLTAGE AND LOW VOLTAGE SIDE

600W DRIVER POSITIVE LOW VOLTAGE FIELD CONNECTIONS



600W DRIVER NEGATIVE LOW VOLTAGE FIELD CONNECTIONS

(-) (-) (-) (-) (-) (-)

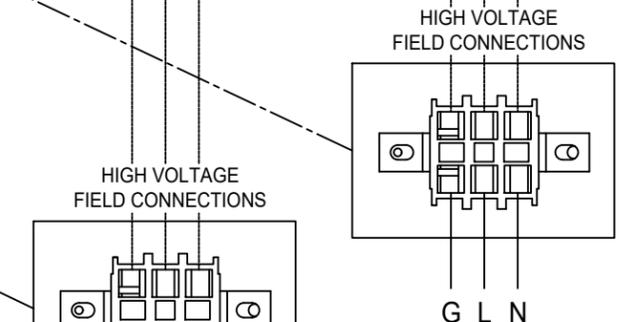


ALL INTERNAL REMOTE DRIVER CABINET WIRING IS DONE IN THE FACTORY

ALL INTERNAL REMOTE DRIVER CABINET WIRING IS DONE IN THE FACTORY

URDC-1-X REMOTE DRIVER CABINET TYPE CD SHOWN

URDC-1-X REMOTE DRIVER CABINET TYPE CD SHOWN



CLASS CC FAST ACTING 4A FUSE BLOCK LIMITS CURRENT TO MAINTAIN CLASS 2 SIGNAL TO LUMINAIRE

- PRE-WIRED FACTORY CONNECTION
- FIELD CONNECTION
- G GROUND
- N NEUTRAL
- L LINE CONNECTION

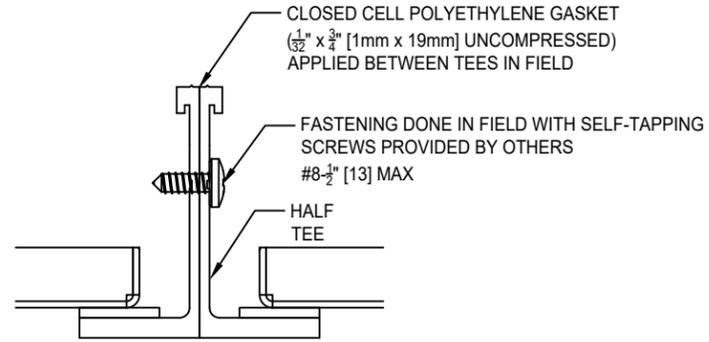


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275358	Revision: 0	06-09-2023

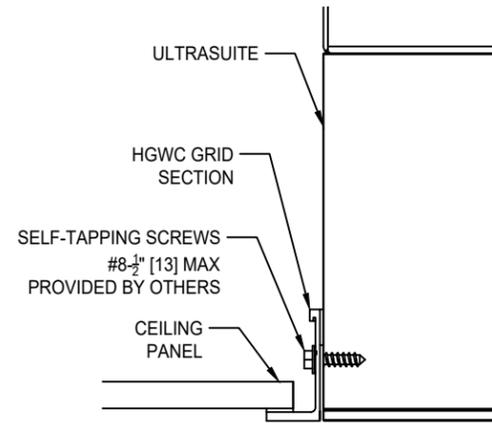
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ULTRASUITE®

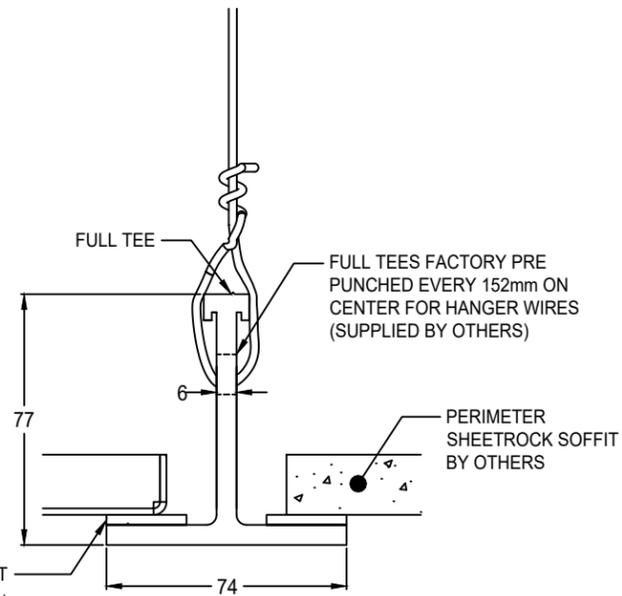
OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING HGWC INTEGRATION DETAILS



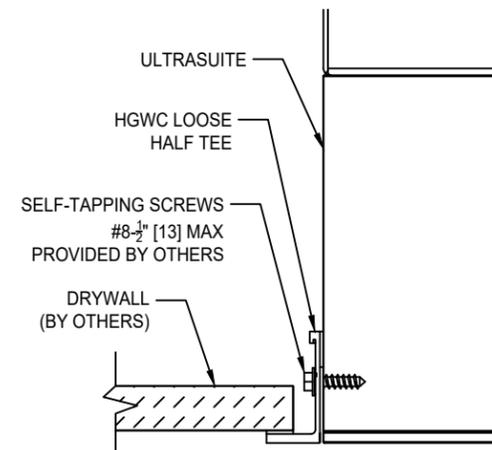
A HALF TEE FIELD JOINT



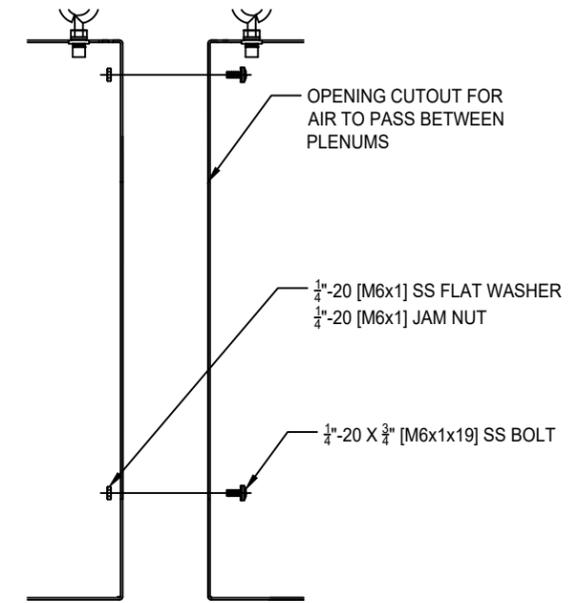
C HGWC GRID INTEGRATION



B FULL TEE PERIMETER SHEETROCK SOFFIT DETAIL



D PERIMETER HALF TEE INTEGRATION



E BOLTED JOINT ASSEMBLY

PRICE | **CRITICAL ENVIRONMENTS**

Project:

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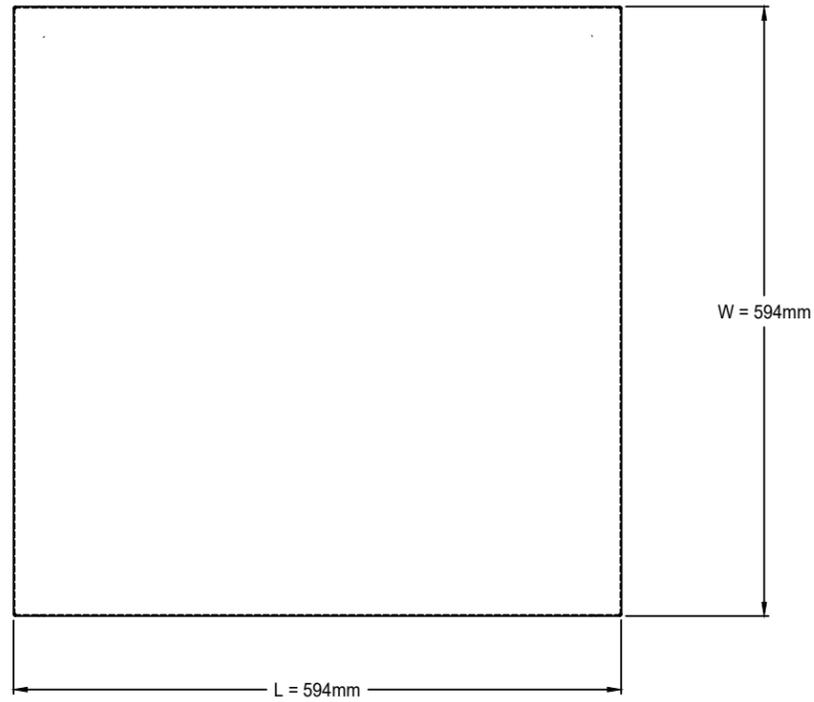
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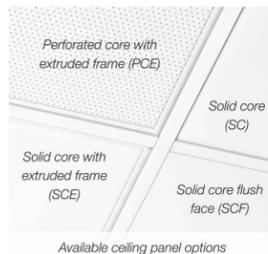
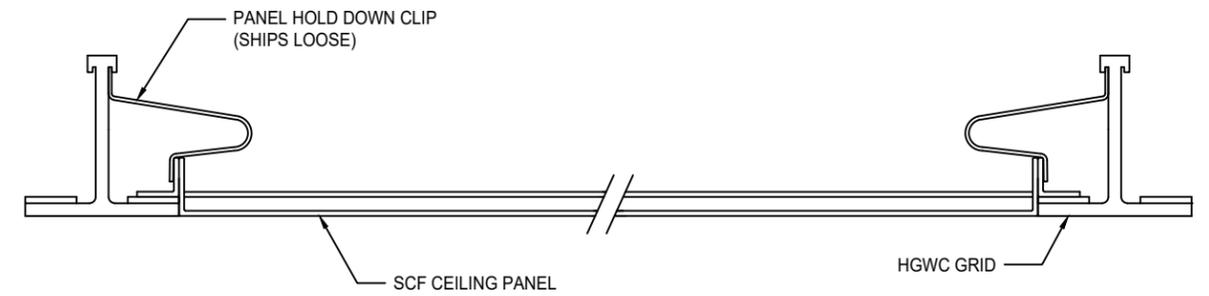
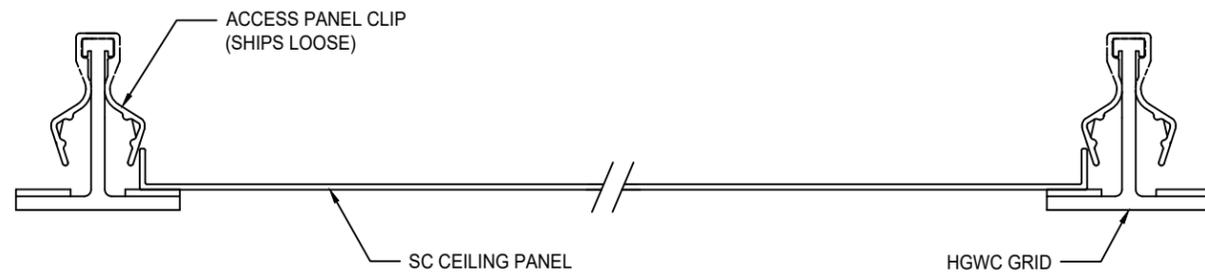
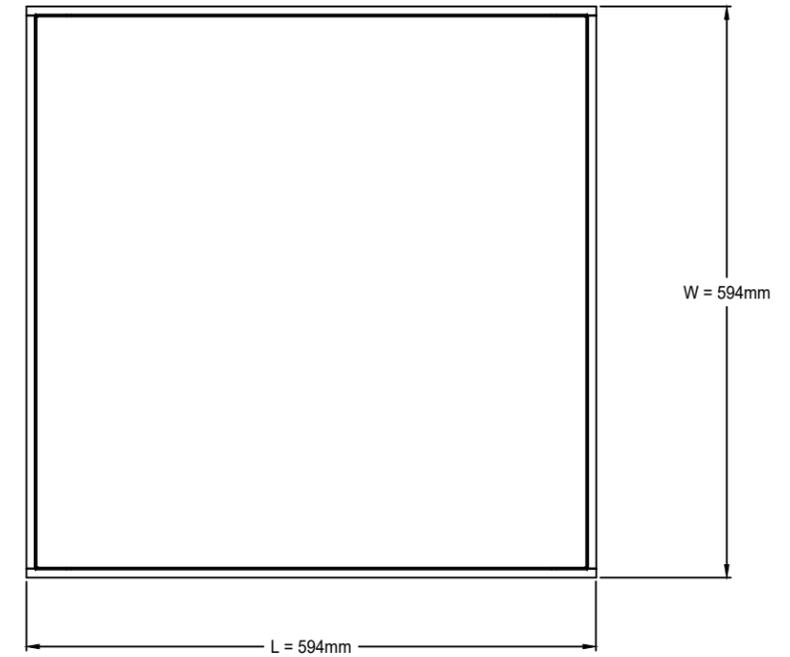
ULTRASUITE®

HOSPITAL GRADE WELDED CEILING SYSTEM CEILING PANELS

SC - SOLID CORE



SCF - SOLID CORE WITH FLUSH MOUNT FRAME



PANEL MATERIAL / FINISH:

- SC PANEL - 2mm ALUMINUM / B12 STANDARD WHITE
- SCF PANEL - 1mm ALUMINUM / B12 STANDARD WHITE

CEILING TYPE:

- HGWC - 38mm HOSPITAL GRADE WELDED CEILING SYSTEM

PRICE | **CRITICAL ENVIRONMENTS**

Project:

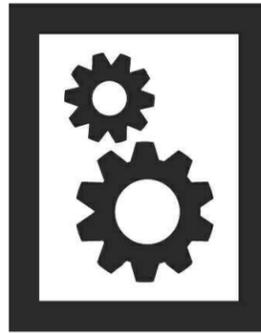
275358

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ULTRASUITE®

OPERATING ROOM DIFFUSER SYSTEM WITH INTEGRATED LED LIGHTING SUPPORTING CONTENT



MANUALS

ULTRASUITE MANUAL
FTR ROOM-SIDE REPLACEABLE FILTER (RSR) QUICK START GUIDE
URDC ULTRA DRIVER CABINET MANUAL
UCA ULTRA COMPONENTS AND ACCESSORIES MANUAL
HGWC HOSPITAL GRADE WELDED CEILING SYSTEM MANUAL



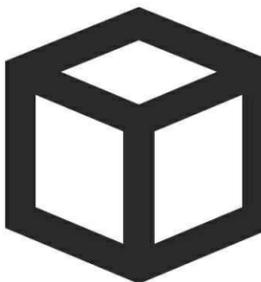
CATALOGUE / PERFORMANCE

USA ULTRASUITE CATALOGUE
USA ULTRASUITE PERFORMANCE
USA ULTRASUITE PERFORMANCE (METRIC)



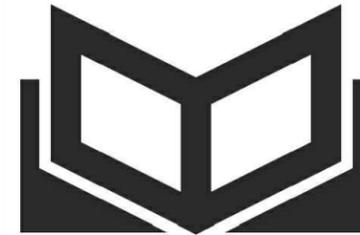
SPECIFICATIONS

USA ULTRASUITE SPECIFICATIONS



REVIT FILES

USA+UCV REVIT FILES



BROCHURES

USA ULTRASUITE BROCHURE
USA ULTRASUITE OPERATING ROOM HVAC DESIGN GUIDE
USA ULTRASUITE PROJECT LIST
USA ULTRASUITE CASE STUDY LIBRARY



SUBMITTALS

UCA ULTRA COMPONENTS AND ACCESSORIES SUBMITTAL
FTR REPLACEMENT FILTER SUBMITTAL
HGWC HOSPITAL GRADE WELDED CEILING SYSTEM SUBMITTAL



VIDEOS

USA ULTRASUITE LAUNCH VIDEO
USA ULTRASUITE INSTALLATION TIME LAPSE VIDEO
USA ULTRASUITE SMOKE TEST VIDEO
USA ULTRASUITE IN BAYLOR SCOTT & WHITE MEDICAL CENTER TESTIMONIAL
HEPA FILTER REPLACEMENT (USA AND UFFU) VIDEO
USA ULTRASUITE SEISMIC TESTING



FOR MORE INFORMATION ON PRICE ULTRASUITE SYSTEMS, VISIT
PRICEINDUSTRIES.COM

price | **CRITICAL ENVIRONMENTS**

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