RFP 2025-02
REQUEST FOR PROPOSALS
FOR THE
RENOVATION OF ROCKLAND GREEN ADMINISTRATIVE HEADQUARTERS
AND
CONSTRUCTION OF AN IMMERSIVE THEATRE EXPERIENCE
AT
172 MAIN STREET IN NANUET, NY 10954

To:	All Potential Proposers
From:	Rockland Green
Subject:	Addendum Number 4
Project:	Rockland Green Renovation & New Immersive Theatre Experience at 172 Main Street, Nanuet, NY 10954
RFP No.:	RFP 2025-02
Date:	April 18, 2025

This Addendum Number 4 is issued to modify the Request for Proposals No. 2025-02 (the "RFP") for the above referenced project. All potential Proposers are hereby notified of the following change:

1. Bids

SEALED BIDS will be received until 2:00 PM. in the office of the Executive Director, on the 25th of April 2025, at the Rockland Green Administrative Headquarters, 172 Main Street Nanuet, NY 10954, at which time and place they will be publicly opened and read. Faxed bids will NOT be accepted. One (1) original proposal with five (5) paper copies and one (1) electronic copy on an external drive must be in sealed envelope(s) with the proposer's name title of the RFP. Sealed envelope(s) must be approximately labeled with the following label:
"RFP-2025-02 Enclosed"

2. Tax

Rockland Green is exempt from sales tax.

4. Audio/Visual Systems Design Package

As per Attachment 1 see Audio/Visual Systems Design Package.
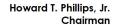
5. Track Lighting Take-Offs

As per Attachment 2 see Track Lighting Take-Offs.

6. **Lighting Cutsheets**

   As per Attachment 3 see Lighting Cutsheets.

   Contractor Questions

7. E201 shows Type D Track but does not reference how many Track Heads per Track Lengths. Please Advise.
   Refer to attachment 2 for quantity of fixtures per track head.

8. Spec calls for Lightning Protection System but nothing reflected on plans – please provide drawing.
   Lightning Protection system not required.

9. E101 note 18 states to refer to Whirlwind Audio/Visual Drawings for Power & Communications requirements, please provide for reference.
   As per attachment 1Audio/Visual Drawings have been included as part of the Project Documents.

10. Please provide the name of the Fire Alarm Vendor currently being used for the building.
    The existing Fire Alarm system is ADT. Client wants to provide a new fire alarm system. See FA001, note 67 in Bidding documents.

11. E402 shows a panel schedule for Panel PP-1A but that panel is not reflected on the One-Line Diagram. Please advise.
    As per attachment 4 see attached revised E402. Panel PP-1A has been included.

12. List of drawings included with specifications lists drawing E113 Electrical Solar Plan – Installation this plan was not provided with bid documents. Please advise.
    Drawing E113 was removed and not intended to be part of the project documents. Disregard E113 from the List of Drawings.

13. Please provide further clarification on what the Electrical Contractor is responsible for regarding the Solar System.
    The solar panel system as per Alternate No. 4 is to be fully provided and installed by the Prime Contractor. Prime Contractor to coordinate scope between subcontractors. Electrical Contractor scope is indicated on E103. Provide rough-ins and run wiring for communications and power to solar Roof mounted solar panels and final terminations
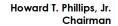
to solar equipment shall be by solar installer. Coordinate this installation work with solar system sub-consultant.

14. Detail 4/A-200 references the civil drawings for railing details. However, the current drawing set does not include any civil drawings.
Site plan has been provided, refer to Addendum No. 1 item no. 11 and new railing details have been provided, see Addendum No. 3 item 4.

ATTACHMENT 1
TO
ADDENDUM 4 TO RFP 2025-02

AUDIO/VISUAL SYSTEMS
DESIGN PACKAGE

ROCKLAND COUNTY — RECYCLING EDUCATION CENTER

IMMERSIVE THEATER

AUDIO/VISUAL SYSTEMS DESIGN

DRAWING LIST:

AV—000   — COVER PAGE/DRAWING LIST

AV—101   — IMMERSIVE THEATER   — VIDEO/CONTROL SCHEMATIC DIAGRAM
AV—102   — IMMERSIVE THEATER   — AUDIO SCHEMATIC DIAGRAM
AV—103   — IMMERSIVE THEATER   — RACK LAYOUT DIAGRAM

27U EQUIPMENT RACK

QTY=1 — MIDDLE ATLANTIC ERK-2720 — 27U EQUIPMENT RACK
QTY=1 — MIDDLE ATLANTIC PDC-915R-2 — RACK MOUNT POWER STRIP W/CONTROL
QTY=1 — MIDDLE ATLANTIC PDT-1015C-NS — VERTICAL RACK POWER STRIP

LANPLT1-1
BUILDING LAN
(INSIDE CLOSET)
RJ45-C   LAN 1
RJ45-C   LAN 2

TO BUILDING LAN

CAT6

NSW1-1
16-PORT
NETWORK POE+ SWITCH
TRENDNET TPE-TG160G
PORT 16
PORT 1 — TO LONTL1-1 — LAN
PORT 2
PORT 3
PORT 4
PORT 5 — TO LONTL1-1 — LAN
PORT 6 — TO LONTL1-1 — LAN
PORT 7 — TO VP1-2 — LAN
PORT 8 — TO VP1-3 — LAN
PORT 9
PORT 10
PORT 11
PORT 12
PORT 13
PORT 14
PORT 15

S/N _____

TOUCH PANEL

TP1-1
XXX.XXX.XXX.XXX
MAC: XX:XX:XX:XX:XX:XX
5" TOUCH PANEL
CRESTRON
TSW-570-W-S
LAN POE

IP ID: 05
S/N _____

CAT6

PS1-1
24VDC POWER SUPPLY
CRESTRON PW-2420RU

AVCS1-1
XXX.XXX.XXX.XXX
MAC: XX:XX:XX:XX:XX:XX
AV CONTROL SYSTEM
CRESTRON RMC4
LAN POE

CIO1-1
CONTROL PORT
EXPANSION MODULE
CRESTRON CN2-IO
NET
NET
(CRESNET ID: 03)
S/N _____

CIO1-2
CONTROL PORT
EXPANSION MODULE
CRESTRON CN2-IO
NET   COM
NET
(CRESNET ID: 04)
S/N _____

CIO1-3
CONTROL PORT
EXPANSION MODULE
CRESTRON CN2-IO
NET   COM
NET
(CRESNET ID: 05)
S/N _____

CIO1-4
CONTROL PORT
EXPANSION MODULE
CRESTRON CN2-IO
NET   COM
NET
(CRESNET ID: 06)
S/N _____

NET (NO. PWR)

IR 1
IR 2
RELAY 1 — TO RPWR1-1 — MID ATANTIC PDC-915R-2 CONTROL (NC, MAINTAINED)
RELAY 2
COM — TO SSP1-1 — RS-232

S/N _____

LONTL1-1
LIGHTING INTERFACE
LUTRON QSE-CI-NWK-E
LAN   QS-LINK
RS-232

FROM NSW1-1 — PORT 5

4-CONDUCTOR, 18AWG

LIGHTING DIMMER EQUIPMENT

LDIM1-1
LIGHTING DIMMER
LUTRON MODEL??
QS-LINK
LIGHTING PRESETS
S/N _____

MPLYR1-1
XXX.XXX.XXX.XXX
MAC: XX:XX:XX:XX:XX:XX
MEDIA PLAYER
BRIGHTSIGN XT2145
LAN

VIDEO PROJECTOR — LEFT

VP1-1
XXX.XXX.XXX.XXX
MAC: XX:XX:XX:XX:XX:XX
VIDEO PROJECTOR
EPSON EB-PU1006W
(V11HA35920)
LAN

VP1A-1 SHORT-THROW LENS EPSON ELPLU035 (V12H004UA3)
VP1B-1 ALIGNMENT CAMERA EPSON ELPEC01 (V12H46010)
VP1C-1 VP CEILING MOUNT EPSON ELPMB67 (V12HA54010)
PIPE1-1 6" MOUNTING PIPE CHIEF CMS006
FLANGE1-1 6"x6" PIPE FLANGE CHIEF CMA115

FROM NSW1-1 — PORT 6

CAT6

HDTX1-1
HDMI TRANSMITTER
CRESTRON
HD-TXC-4KZ-101
COM   DMLITE OUT
HDMI IN
S/N _____

HDRX1-1
HDMI RECEIVER
CRESTRON
HD-RXC-4KZ-101
DMLITE IN   COM
HDMI OUT
RS-232C (38400,8,1,E)
HDMI
S/N _____

CAT6 SHIELDED PLENUM

SPARE   CAT6 SHIELDED PLENUM   SPARE

VIDEO PROJECTOR — RIGHT

VP1-2
XXX.XXX.XXX.XXX
MAC: XX:XX:XX:XX:XX:XX
VIDEO PROJECTOR
EPSON EB-PU1006W
(V11HA35920)
LAN

VP1A-2 SHORT-THROW LENS EPSON ELPLU035 (V12H004UA3)
VP1B-2 ALIGNMENT CAMERA EPSON ELPEC01 (V12H46010)
VP1C-2 VP CEILING MOUNT EPSON ELPMB67 (V12HA54010)
PIPE1-2 6" MOUNTING PIPE CHIEF CMS006
FLANGE1-2 6"x6" PIPE FLANGE CHIEF CMA115

FROM NSW1-1 — PORT 7

CAT6

HDTX1-2
HDMI TRANSMITTER
CRESTRON
HD-TXC-4KZ-101
COM   DMLITE OUT
HDMI IN
S/N _____

HDRX1-2
HDMI RECEIVER
CRESTRON
HD-RXC-4KZ-101
DMLITE IN   COM
HDMI OUT
RS-232C (38400,8,1,E)
HDMI
S/N _____

CAT6 SHIELDED PLENUM

SPARE   CAT6 SHIELDED PLENUM   SPARE

SSP1-1
XXX.XXX.XXX.XXX
MAC: XX:XX:XX:XX:XX:XX
SURROUND PROCESSOR
EXTRON SSP 200
IN1-HDMI   THRU-HDMI
IN2-SPDIF
IN5-ANALOG L/R

HDMI OUT 2
HDMI OUT 1
AUDIO OUT SPDIF DIGITAL

LAN
FROM AVCS1-1 — COM
RS-232 (9600,8,1,N)

S/N _____

ABED1-1
AUDIO DE-EMBEDDER
STARTECH HD202A
AUDIO OUT-L
AUDIO OUT-R

RPNL1-1
HDMI RACK PANEL
MAKE/MODEL??
HDMI   HDMI IN   HDMI OUT

VIDEO PROJECTOR — CENTER

VP1-3
XXX.XXX.XXX.XXX
MAC: XX:XX:XX:XX:XX:XX
VIDEO PROJECTOR
EPSON EB-PU1006W
(V11HA35920)
LAN

VP1A-3 SHORT-THROW LENS EPSON ELPLU035 (V12H004UA3)
VP1C-3 VP CEILING MOUNT EPSON ELPMB67 (V12HA54010)
PIPE1-3 6" MOUNTING PIPE CHIEF CMS006
FLANGE1-3 6"x6" PIPE FLANGE CHIEF CMA115

FROM NSW1-1 — PORT 8

CAT6

HDTX1-3
HDMI TRANSMITTER
CRESTRON
HD-TXC-4KZ-101
COM   DMLITE OUT
HDMI IN
S/N _____

HDRX1-3
HDMI RECEIVER
CRESTRON
HD-RXC-4KZ-101
DMLITE IN   COM
HDMI OUT
RS-232C (38400,8,1,E)
HDMI
S/N _____

CAT6 SHIELDED PLENUM

SPARE   CAT6 SHIELDED PLENUM   SPARE

27U EQUIPMENT RACK
QTY=1 − MIDDLE ATLANTIC ERK−2720   − 27U EQUIPMENT RACK
QTY=1 − MIDDLE ATLANTIC PDC−915R−2   − RACK MOUNT POWER STRIP W/CONTROL
QTY=1 − MIDDLE ATLANTIC PDT−1015C−NS − VERTICAL RACK POWER STRIP

XXX.XXX.XXX.XXX
MAC: XX:XX:XX:XX:XX:XX

SSP1−1
SURROUND PROCESSOR
EXTRON SSP 200

OUT 1 (LF)   W52   W52   CH1 IN   CH1 OUT   W12   W12   W12 NL4
OUT 2 (RF)   W53

AMP1−1
8−CHANNEL AMPLIFIER
CROWN CT8150
125W/CH @ 8−OHM

SPKR1−1
FRONT LEFT SPEAKER
BOSE DM5SE
(8−OHM)

2 CONDUCTOR, 16AWG

W53   CH2 IN   CH2 OUT   W13   W13   W13 NL4
SPKR1−2
FRONT RIGHT SPEAKER
BOSE DM5SE
(8−OHM)

2 CONDUCTOR, 16AWG

OUT 3 (C)   W54   W54   CH3 IN   CH3 OUT   W14   W14   W14 NL4
SPKR1−3
CENTER SPEAKER
BOSE DM5SE
(8−OHM)

2 CONDUCTOR, 16AWG

FRONT SPEAKERS
LEFT/RIGHT/CENTER

OUT 5 (LS)   W55   W55   CH4 IN   CH4 OUT   W15   W15   W15 NL4
OUT 6 (RS)   W56
SPKR1−4
REAR LEFT SPEAKER
BOSE DM5SE
(8−OHM)

2 CONDUCTOR, 16AWG

W56   CH5 IN   CH5 OUT   W16   W16   W16 NL4
SPKR1−5
REAR RIGHT SPEAKER
BOSE DM5SE
(8−OHM)

2 CONDUCTOR, 16AWG

REAR SPEAKERS
LEFT/RIGHT

S/N _____

AMP2−1
2−CHANNEL AMPLIFIER
CROWN DCi2−300
300W/CH @ 8−OHM

OUT 4 (SUB)   W57   W57   CH1 IN   CH1 OUT   BSTP W17   W17   W17 NL4
W58
SWOF1−1
SUBWOOFER LEFT
BOSE MB210−WR
(8−OHM)

2 CONDUCTOR, 14AWG

W58   CH2 IN   CH2 OUT   BSTP W18   W18   W18 NL4
SWOF1−2
SUBWOOFER RIGHT
BOSE MB210−WR
(8−OHM)

2 CONDUCTOR, 14AWG

SUBWOOFERS
LEFT/RIGHT

S/N _____

BKAMP1−1
BUTTKICKER AMPLIFIER
BUTTKICKER BKA1000−P
650W @ 4−OHM

OUT 9 (MIX)   W59   W59 21/45 HI LEVEL   SPEAKER   BC   W19   W19   W19
OUT 10 (MIX)   W60   IN   OUT   W20   W20   W20
W61

BKLFE1−1
TRANSDUCER
BUTTKICKER BK−LFE
(650W) (8−OHM)

BKLFE1−2
TRANSDUCER
BUTTKICKER BK−LFE
(650W) (8−OHM)

2 CONDUCTOR, 16AWG
2 CONDUCTOR, 16AWG

ROW #1
SEATING
BUTTKICKERS

S/N _____

BKAMP1−2
BUTTKICKER AMPLIFIER
BUTTKICKER BKA1000−P
650W @ 4−OHM

W60 21/45 HI LEVEL   SPEAKER   BC   W21   W21   W21
            IN   OUT   W22   W2   W22

BKLFE1−3
TRANSDUCER
BUTTKICKER BK−LFE
(650W) (8−OHM)

BKLFE1−4
TRANSDUCER
BUTTKICKER BK−LFE
(650W) (8−OHM)

2 CONDUCTOR, 16AWG
2 CONDUCTOR, 16AWG

ROW #2
SEATING
BUTTKICKERS

S/N _____

BKAMP1−3
BUTTKICKER AMPLIFIER
BUTTKICKER BKA1000−P
650W @ 4−OHM

W61 21/45 HI LEVEL   SPEAKER   BC   W23   W23   W23
            IN   OUT   W24   W24   W24

BKLFE1−5
TRANSDUCER
BUTTKICKER BK−LFE
(650W) (8−OHM)

BKLFE1−6
TRANSDUCER
BUTTKICKER BK−LFE
(650W) (8−OHM)

2 CONDUCTOR, 16AWG
2 CONDUCTOR, 16AWG

ROW #3
SEATING
BUTTKICKERS

S/N _____

S/N _____

General Notes

No.	Revision/Issue	Date
-	-	-

Unless otherwise specified
all dimensions are in inches
Do Not Scale Drawing

Project

Rockland County
Recycling Education
Center

Immersive Theater

Description

Audio
Schematic Diagram

Engineer	Date Created
MC	08/24/2024
Drawn by	Date Modified
MC	04/09/2025
Job reference	Scale
J2004	As noted

Drawing number:

AV-102

UNITS	HEIGHT
27	47 1/4
26	45 1/2
25	43 3/4
24	42
23	40 1/4
22	38 1/2
21	36 3/4
20	35
19	33 1/4
18	31 1/2
17	29 3/4
16	28
15	26 1/4
14	24 1/2
13	22 3/4
12	21
11	19 1/4
10	17 1/2
9	15 3/4
8	14
7	12 1/4
6	10 1/2
5	8 3/4
4	7
3	5 1/4
2	3 1/2
1	1 3/4

Rack layout (top to bottom):

- RPWR1-1 – M.A. PDC-915R-2
- BLANK PANEL
- NSW1-1 – TRENDNET TPE-TG182
- BRUSHED GROMMET PANEL
- MPLYR1-1
- BLANK PANEL
- HDTX1-1 | HDTX1-2
- BLANK PANEL
- HDTX1-3
- BLANK PANEL
- AVCS1-1 | LCNTL1-1
- RPNL1-1 – HDMI AUX PANEL
- SSP1-1
- VENTED PANEL
- AMP1-1 – CROWN CT8150
- VENTED PANEL
- AMP2-1 CROWN DCi2-300
- VENTED PANEL
- BKAMP1-1 BUTTKICKER BKA1000-P
- VENTED PANEL
- BKAMP1-2 BUTTKICKER BKA1000-P
- VENTED PANEL
- BKAMP1-3 BUTTKICKER BKA1000-P

EQUIPMENT RACK:
- QTY=1 – MIDDLE ATLANTIC ERK-2720 – 27U EQUIPMENT RACK
  OVERALL DIMENSIONS: 51.38"H X 21.97"W X 20"D
- QTY=1 – MIDDLE ATLANTIC CBS-ERK-20 – EQUIPMENT RACK CASTER BASE
- QTY=1 – MIDDLE ATLANTIC ERK-4QFT-FC – EQUIPMENT RACK TOP W/FAN
- QTY=1 – MIDDLE ATLANTIC FD-27 – 27U SOLID FRONT DOOR
- QTY=1 – MIDDLE ATLANTIC PDC-915R-2 – RACK POWER STRIP W/CONTROL
- QTY=1 – MIDDLE ATLANTIC PDT-1015C-NS – 10-OUTLET VERTICAL POWER STRIP

EQUIPMENT RACK – SHELVES/PANELS:
- QTY=5 – MIDDLE ATLANTIC U1 – 1U SHELF
- QTY=4 – MIDDLE ATLANTIC EB1 – 1U FLANGED BLANK PANEL
- QTY=5 – MIDDLE ATLANTIC VT1 – 1U VENTED BLANK PANEL
- QTY=1 – MIDDLE ATLANTIC BR1 – 1U BRUSHED GROMMET PANEL

MOUNTED IN REAR OF EQUIPMENT RACK:
- PS1-1 – CRESTRON PW-2420RU – CRESTRON 24VDC POWER SUPPLY
- CIO1-1 – CRESTRON C2N-IO – CONTROL PORT EXPANSION MODULE
- CIO1-2 – CRESTRON C2N-IO – CONTROL PORT EXPANSION MODULE
- CIO1-3 – CRESTRON C2N-IO – CONTROL PORT EXPANSION MODULE
- CIO1-4 – CRESTRON C2N-IO – CONTROL PORT EXPANSION MODULE

Rockland County - Recycling Education Center - System Equipment List

Location: **Rockland County - Recycling Education Center (J2004)**
Room: **Immersive Theater**
Ref Num: **1.1**

Reference Code	Tot Qty	System Equipment		
		Description	Manufacturer	Model #
		VIDEO		
VP1	3	Video Projector - 6000 Lumen, 1920x1080 (WUXGA) (EB-PU1006W)	Epson	V11HA35920
VP1A	3	Video Projector Lens - Short-Throw (0.62-0.75), for EB-PU1006W (ELPLU03S)	Epson	V12H004UA3
VP1B	2	Video Projector Accessory - PixAlign Camera, for EB-PU1006W (ELPEC01)	Epson	V12HA46010
VP1C	3	Video Projector Accessory - Ceiling Mount, for EB-PU1006W (ELPMB67)	Epson	V12HA54010
PIPE1	3	Mounting Pipe - 1.5" NPT, 6" Fixed, Black	Chief	CMS006
FLANGE1	3	Mounting Pipe Flange - 6" x 6", Black	Chief	CMA115
MPLYR1	1	Media Player - Dual HDMI Out, SPDIF Digital	Brightsign	XT2145
HDTX1	3	HDMI CAT Transmitter - DM-Lite, 4K60, 195'	Crestron	HD-TXC-4KZ-101
HDRX1	3	HDMI CAT Receiver - DM-Lite, 4K60, 195'	Crestron	HD-RXC-4KZ-101
		AUDIO		
AEXT1	1	HDMI Audio Extractor - Dual RCA Out	StarTech	HD202A
SSP1	1	Surround Sound Processor (SSP 200)	Extron	60-1658-01
ERMK1	1	Rack Mount Shelf Kit - Universal, for 3.5", 6" & 9.5" Deep Products (RSU-129)	Extron	60-190-01
AMP1	1	Audio Amplifier - 8-Chan, 125W/Ch@8-Ohm (ComTech Sreies)	Crown	CT8150
AMP2	1	Audio Amplifier - 2-Chan, 300W/Ch@8-Ohm (DriveCore Analog)	Crown	DCi2-300
SPKR1	3	Audio Speaker - Surface-Mount, 2-Way, 60W (240W Peak), 1-Pair (DesignMax)	Bose	DM5SE
SWOF1	2	Subwoofer - 500W (2000W Peak), 8-ohm, Outdoor-Rated, Black	Bose	MB210-WR
BKAMP1	3	Buttkicker Amplifier - 920W RMS @ 4-ohms	Buttkicker	BKA1000-P
BKLFE1	6	Buttkicker Transducer - 400W min, 1300W max, 4 ohms	Buttkicker	BK-LFE
		LIGHTING		
LCNTL1	1	Lighting Control Interface	Lutron	QSE-CI-NWK-E
LDIM1	1	Lighting Dimmer (O.F.E)	Lutron (O.F.E)	TBD (O.F.E)
		CONTROL		
AVCS1	1	AV Controller - 4-Series Control Processor	Crestron	RMC4
TP1	1	Touch Panel - 5" Wired Panel, White, Smooth	Crestron	TSW-570-W-S
CIO1	4	AV Controller Accessory - Control Port Expansion Module	Crestron	C2N-IO
PS1	1	Power Supply - 24VDC, 2 Amp, 50 Watts	Crestron	PW-2420RU
NSW1	1	Network Switch - 16-Port, Gigabit, 246W POE+	Trendnet	TPE-TG160g
		MISCELLANEOUS		
RPNL1	1	AV Patch Panel - 1U, HDMIF-to-HDMIF Pigtail (Rack HDMI)	TBD	TBD
RACK1	1	Equipment Rack - 27U, Metal, Black, 20" Deep, (51.38"h x 21.97"w x 20"d)	Middle Atlantic	ERK-2720
CAST1	1	Equipment Rack Caster Base - 20" Deep Rack (ERK Series)	Middle Atlantic	CBS-ERK-20
TOP1	1	Equipment Rack Top Panel - Top, w/165 CFM Fan, Thermostat Control (ERK Series	Middle Atlantic	ERK-4QFT-FC
DOOR1	1	Equipment Rack Front Door - 27U, Plexiglas (ERK Series)	Middle Atlantic	PFD-27
RPWR1	1	Equipment Rack Power Strip - 9' cord, 2-Outlet Control	Middle Atlantic	PDC-915R-2
PSTP1	1	Equipment Rack Vertical Power Strip - 9' cord, 10 Outlets, 15A, 37.71"	Middle Atlantic	PDT-1015C-NS
SHELF1	5	Rack Shelf - 1U Solid, 10.75" Deep	Middle Atlantic	U1
BRPNL1	4	Rack Panel - Blank, 1U, Flanged, Black	Middle Atlantic	EB1
VRPNL1	5	Rack Panel - Vented, 1U, Flanged, Black	Middle Atlantic	VT1
BGPNL1	1	Rack Panel - Brush Grommet, 1U, Black	Middle Atlantic	BR1
		PARTS AND SUPPLIES		
MISC1B	1	Cables, Connectors, Hardware, and Accessories	Videosonic	Lot
		SERVICES		
ENGR1	1	Engineering, System Design and Programming	AVECS	Lot
LABOR1	1	Project Management, Mock-Up, On-Site Installation	Videosonic	Lot
SHIP1	1	Shipping and Delivery	Videosonic	Lot

(O.F.E. - Denotes: Owner Furnished Equipment)

Rockland County - Recycling Education Center - Main Equipment List (J2004)

Equip Qty Total	Reference Code	Description	Manufacturer	Model #
3	SPKR1	Audio Speaker - Surface-Mount, 2-Way, 60W (240W Peak), 1-Pair (DesignMax)	Bose	DM5SE
2	SWOF1	Subwoofer - 500W (2000W Peak), 8-ohm, Outdoor-Rated, Black	Bose	MB210-WR
1	MPLYR1	Media Player - Dual HDMI Out, SPDIF Digital	Brightsign	XT2145
3	BKAMP1	Buttkicker Amplifier - 920W RMS @ 4-ohms	Buttkicker	BKA1000-P
6	BKLFE1	Buttkicker Transducer - 400W min, 1300W max, 4 ohms	Buttkicker	BK-LFE
3	PIPE1	Mounting Pipe - 1.5" NPT, 6" Fixed, Black	Chief	CMS006
3	FLANGE1	Mounting Pipe Flange - 6" x 6", Black	Chief	CMA115
1	AVCS1	AV Controller - 4-Series Control Processor	Crestron	RMC4
1	TP1	Touch Panel - 5" Wired Panel, White, Smooth	Crestron	TSW-570-W-S
3	HDTX1	HDMI CAT Transmitter - DM-Lite, 4K60, 195'	Crestron	HD-TXC-4KZ-101
3	HDRX1	HDMI CAT Receiver - DM-Lite, 4K60, 195'	Crestron	HD-RXC-4KZ-101
4	CIO1	AV Controller Accessory - Control Port Expansion Module	Crestron	C2N-IO
1	PS1	Power Supply - 24VDC, 2 Amp, 50 Watts	Crestron	PW-2420RU
1	AMP1	Audio Amplifier - 8-Chan, 125W/Ch@8-Ohm (ComTech Sreies)	Crown	CT8150
1	AMP2	Audio Amplifier - 2-Chan, 300W/Ch@8-Ohm (DriveCore Analog)	Crown	DCi2-300
3	VP1	Video Projector - 6000 Lumen, 1920x1080 (WUXGA) (EB-PU1006W)	Epson	V11HA35920
3	VP1A	Video Projector Lens - Short-Throw (0.62-0.75), for EB-PU1006W (ELPLU03S)	Epson	V12H004UA3
2	VP1B	Video Projector Accessory - PixAlign Camera, for EB-PU1006W (ELPEC01)	Epson	V12HA46010
3	VP1C	Video Projector Accessory - Ceiling Mount, for EB-PU1006W (ELPMB67)	Epson	V12HA54010
1	SSP1	Surround Sound Processor (SSP 200)	Extron	60-1658-01
1	ERMK1	Rack Mount Shelf Kit - Universal, for 3.5", 6" & 9.5" Deep Products (RSU-129)	Extron	60-190-01
1	LCNTL1	Lighting Control Interface	Lutron	QSE-CI-NWK-E
1	LDIM1	Lighting Dimmer (O.F.E)	Lutron (O.F.E)	TBD (O.F.E)
1	RACK1	Equipment Rack - 27U, Metal, Black, 20" Deep, (51.38"h x 21.97"w x 20"d)	Middle Atlantic	ERK-2720
1	CAST1	Equipment Rack Caster Base - 20" Deep Rack (ERK Series)	Middle Atlantic	CBS-ERK-20
1	TOP1	Equipment Rack Top Panel - Top, w/165 CFM Fan, Thermostat Control (ERK Series)	Middle Atlantic	ERK-4QFT-FC
1	DOOR1	Equipment Rack Front Door - 27U, Plexiglas (ERK Series)	Middle Atlantic	PFD-27
1	RPWR1	Equipment Rack Power Strip - 9' cord, 2-Outlet Control	Middle Atlantic	PDC-915R-2
1	PSTP1	Equipment Rack Vertical Power Strip - 9' cord, 10 Outlets, 15A, 37.71"	Middle Atlantic	PDT-1015C-NS
5	SHELF1	Rack Shelf - 1U Solid, 10.75" Deep	Middle Atlantic	U1
4	BRPNL1	Rack Panel - Blank, 1U, Flanged, Black	Middle Atlantic	EB1
5	VRPNL1	Rack Panel - Vented, 1U, Flanged, Black	Middle Atlantic	VT1
1	BGPNL1	Rack Panel - Brush Grommet, 1U, Black	Middle Atlantic	BR1
1	AEXT1	HDMI Audio Extractor - Dual RCA Out	StarTech	HD202A
1	NSW1	Network Switch - 16-Port, Gigabit, 246W POE+	Trendnet	TPE-TG160g
1	RPNL1	AV Patch Panel - 1U, HDMIF-to-HDMIF Pigtail (Rack HDMI)	TBD	TBD
1	MISC1B	Cables, Connectors, Hardware, and Accessories	Videosonic	Lot
1	ENGR1	Engineering, System Design and Programming	AVECS	Lot
1	LABOR1	Project Management, Mock-Up, On-Site Installation	Videosonic	Lot
1	SHIP1	Shipping and Delivery	Videosonic	Lot

(O.F.E. - Denotes: Owner Furnished Equipment)

Job #J2004 - Rockland County - Recycling Education Center - Immersive Theater - IP Address Info

Location	Switch Port	Description	Make	Model #	Serial Number	MAC Address	IP Address	Subnet Mask	Default Gateway	Primary DNS
Control Network		Network Switch - 16-Port	TrendNet	TPE-TG160g		--------	--------	--------	--------	--------
	PORT 1	AV Controller - LAN POE	Crestron	RMC4		XX:XX:XX:XX:XX:XX				
	PORT 2	Touch Panel - 5"	Crestron	TSW-570-W-S		XX:XX:XX:XX:XX:XX				
	PORT 3	Media Player	Brightsign	XT2145		XX:XX:XX:XX:XX:XX				
	PORT 4	Surround Sound Processor (SSP 200)	Extron	60-1658-01		XX:XX:XX:XX:XX:XX				
	PORT 5	Lighting Control Interface	Lutron	QSE-CI-NWK-E		XX:XX:XX:XX:XX:XX				
	PORT 6	Video Projector #1 - Left	Epson	EB-PU1006W		XX:XX:XX:XX:XX:XX				
	PORT 7	Video Projector #2 - Right	Epson	EB-PU1006W		XX:XX:XX:XX:XX:XX				
	PORT 8	Video Projector #3 - Center	Epson	EB-PU1006W		XX:XX:XX:XX:XX:XX				
	PORT 9									
	PORT 16	To Building LAN								
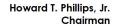
Crestron RMC4 - Name/Password
- User Name: admin
- Password: crestron

Crestron TSW-570-W-S - Name/Password
- User Name: admin
- Password: crestron

4/9/2025

ATTACHMENT 2
TO
ADDENDUM 4 TO RFP 2025-02

TRACK LIGHTING TAKE-OFFS

TRACK LIGHTING TAKE-OFFS

ROCKLAND GREEN EXPERIENCE
PRELIMINARY LIGHTING SPECS

LIGHT FIXTURES	WHITE Lobby	BLACK Theater	WHITE Exhibits	WHITE Arcade	Total
SB30-SHORT NECK	16	14	44	24	98

SORRA LAMPS 3000K PAR 30	Lobby	Theater	Exhibits	Arcade	
9 DEGREE 90CRI-3000K PAR 30	4	6	8	6	24
36 DEGREE SPREAD	4	2	20	8	34
60 DEGREE SPEAD	4	6	16	10	36
	12	14	44	24	94

SORAA SNAP LENSES	Lobby	Theater	Exhibits	Arcade	
SNAP LENSE LINEAR	2	6	8	6	22
SNAP LENSE 36 DEGREE	2				2
SNAP LENSE 60 DEGREE	4				4

LIGHT TRACK	Lobby	Theater	Exhibits	Arcade	
Track 8' Sections	5	5	10	3	23
Track 4' Sections				2	2

CONNECTORS	Lobby	Theater	Exhibits	Arcade	
End Feeds L010B	4	1	5	2	12
Straight Connector 1012B	2	2	4	1	9
L Connector 1014B			2	1	3

TRACK AND FIXTURES
Times Square Lighting
5 Holt Drive
Stony Point, NY 10980
845-947-3034

ATTACHMENT 3
TO
ADDENDUM 4 TO RFP 2025-02

LIGHTING CUTSHEETS

![Times Square Lighting logo]
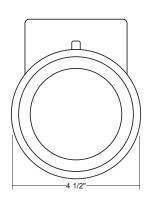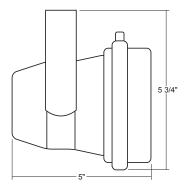
The SB30 is ideal for short throw lighting in galleries, museums, retail and residential applications. Equipped with an internal self-locking yoke and accessory holder that accepts louvers, barndoors, hoods and filters. Comes in standard black, white and silver finishes.

FEATURES

- Accepts short neck PAR30 lamps and LEDs.
- Internal self-locking yoke.
- Numerous mouting options and accessories.
- Weight: 1.4 lbs.

4 1/2"   5"   5 3/4"

MODEL NUMBER	FINISH	MOUNTING	ACCESSORIES
SB30	**B** Black **W** White **S** Silver **CC** Custom Color	**AD1** Track Adapter. 1 or 2 Circuit track. 120V. **TA1** Track Adapter. E-Series. 1 Circuit. 120V. **TA2** Track Adapter. G-Series. 2 Circuit. 120V. **TA3** Track Adapter. G-Series. 3 Circuit. 120V. **CM4** Canopy Mount. **US1** 6 5/8" x 1 1/2" Unistrut Adapter. **TB4** 6 1/4" Portable Wall Mount/Table Base Floor. **MC** Light Duty Pipe Clamp. For pipes up to 15/16" O.D. **MN** Medium Duty Pipe Clamp. For pipes up to 2" O.D.	**LV6** Louver **XL6** Cross Baffle Louver **BD10** Barndoor **HD6** Hood **XH6** Cross Baffle Hood **SH6** Sparkle Hood **CF10** Color Frame **GF10** Glass Color Filter **DF10** Dichroic Color Filter **GF10-600** 5°x50° Linear Lens **GF10-601** Beam Softener **GF10-673** 50°x50° Spread Lens **GF10-702** UV Blocking Filter **CC18** Coiled Cord **SC-24** Safety Cable **IP** Integral Dimmer **WL** Wrench Locking

EXAMPLE: SB30 - B - TA2 - HD6

MODEL NUMBER	FINISH	MOUNTING	ACCESSORIES
SB30			

Single Circuit 120V Track

Specification Sheet

Black

Footage	1-Circuit
2 ft.	L002B
4 ft.	L004B
6 ft.	L006B
8 ft.	L008B

White

Footage	1-Circuit
2 ft.	L002W
4 ft.	L004W
6 ft.	L006W
8 ft.	L008W

Custom lengths available. Please consult factory.
Custom colors available.

Single Circuit

0.72"

1.42"

G

H

N

Mounting Component

SKBX-12
Grid Clip.

Convenience Outlet
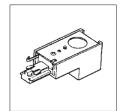
COMPONENTS   (Continued on Back)

End Feed
Used when energizing track from an outlet box.
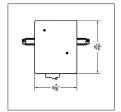
Color	1-Circuit
Black	L010B
White	L010W

End Feed for Conduit
Used when energizing track from an outlet box.
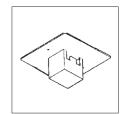
Color	1-Circuit
Black	L017B
White	L017W

Current Limiter
For information on the Current Limiter, **click here**.
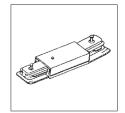
Color	1-Circuit
Black	TSCB
White	TSCW

Floating Feed
Used when energizing track from any point along the track run.

Color	1-Circuit
Black	L011B
White	L011W
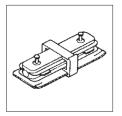
Center Feed
Used to join two sections of track together in a straight line. May be used as a feed point.

Color	1-Circuit
Black	L012PB
White	L012PW

Straight Connector

Used to join two sections of track together in a straight line. If suspending track with rigid stem, specify (1) L012MC connector (mechanical coupler) wherever a L012 Straight Connector is specified.
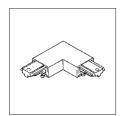
Color	1-Circuit
Black	L012B
White	L012W

Flex Connector

Used to join two sections of track together to create angles from 0° to 360°. Can be flexed on horizontal and vertical planes.
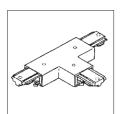
Color	1-Circuit
Black	L018B
White	L018W

L Connector

Used to join two sections of track together at a 90° angle.
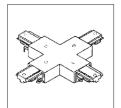
Color	1-Circuit
Black	L014B
White	L014W

T Connector

Used to join three sections of tract together in a "T" configuration.
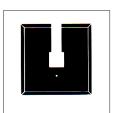
Color	1-Circuit
Black	L015B
White	L015W

X Connector

Used to join four sections of track together in an "X" configuration.

Color	1-Circuit
Black	L016B
White	L016W

Cover Plate

Used to cover an outlet box.

Color	1-Circuit
Black	L019B
White	L019W

End Plate

Used to end any open configuration of track.

Color	1-Circuit
Black	L024B
White	L024W

No Image Available

Stem Mount Kit

Used to mount track.

Custom lengths available. Please consult factory.

Color	1-Circuit
12"	SK12
18"	SK18
24"	SK24
36"	SK36
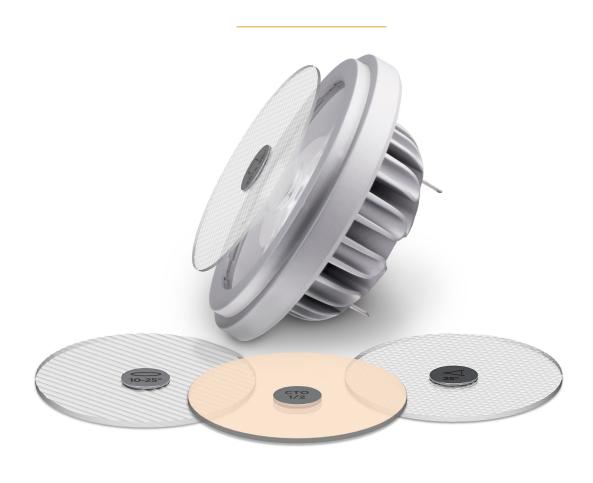
FULL CONTROL OF YOUR ENVIRONMENT

Shape Beams. Shift Color.

UNLIMI

The Snap System's CCT Shifter filters can provide color temperatures that are rare or impossible to find, like a warm, glowing natural 2200K CCT. This provides excellent flexibility and freedom to adapt color temperatures to any installation while specifying only one lamp. Our clean light and excellent color rendering are a perfect match for CCT shifting.

| 3000K Lamp | 2700K Color Shifter | 2400K Color Shifter | 2200K Color Shifter |

THE

Our simple louver snap
making any light beam
applications.

SNAP SYSTEM SPECS

SMALL (2") SNAP SYSTEM   **LARGE (4") SNAP SYSTEM**

BEAM SPREADERS SMALL

	Model #	Code	Diameter	Thickness	Spec Sheet
17° Beam Spreader	AC-GC-1717-00-S1	03263	50mm	2mm	(../assets/cloud/product_specs/snap systems/Snap-System-Spec-Sheet.pdf)
25° Beam Spreader	AC-GC-2525-00-S1	00325	50mm	2mm	(../assets/cloud/product_specs/snap systems/Snap-System-Spec-Sheet.pdf)
36° Beam Spreader	AC-GC-3636-00-S1	00327	50mm	2mm	(../assets/cloud/product_specs/snap systems/Snap-System-Spec-Sheet.pdf)
60° Beam Spreader	AC-GC-6060-00-S1	00329	50mm	2mm	(../assets/cloud/product_specs/snap systems/Snap-System-Spec-Sheet.pdf)

LINEAR LENS SMALL

Model #	Code	Diameter	Thickness	Spec Sheet
AC-GE-1060-00-S1	03259	50mm	2mm	(../assets/cloud/product_specs/snap

	Model #	Code	Diameter	Thickness	Spec Sheet
10° x 60° Linear Lens					[../assets/cloud/product_specs/snap-systems/Snap-System-Spec-Sheet.pdf)
10° x 36° Linear Lens	AC-GE-1036-00-S1	00333	50mm	2mm	[../assets/cloud/product_specs/snap-systems/Snap-System-Spec-Sheet.pdf)
10° x 25° Linear Lens	AC-GE-1025-00-S1	00331	50mm	2mm	[../assets/cloud/product_specs/snap-systems/Snap-System-Spec-Sheet.pdf)

FLAT TOP SMALL

	Model #	Code	Diameter	Thickness	Spec Sheet
36° x 36° Flat Top	AC-FR-3636-00-S1	00337	50mm	2mm	[../assets/cloud/product_specs/snap-systems/Snap-System-Spec-Sheet.pdf)
25° x 25° Flat Top	AC-FR-2525-00-S1	00335	50mm	2mm	[../assets/cloud/product_specs/snap-systems/Snap-System-Spec-Sheet.pdf)

LOUVERS SMALL

	Model #	Code	Diameter	Thickness	Spec Sheet
40° Cutoff Louver	AC-LU-4040-00-S1	00339	51.1mm	9mm	[../assets/cloud/product_specs/snap-systems/Snap-System-Spec-Sheet.pdf)

AIMABLE SMALL

	Model #	Code	Diameter	Thickness	Spec Sheet

	Model #	Code	Diameter	Thickness	Spec Sheet
Aim Lens	AC-AM-0020-00-S1	3255	50mm	4mm	📄 (../assets/cloud/product_specs/snap systems/Snap-System-Spec-Sheet.pdf)

CCT SHIFTERS SMALL

	Model #	Code	Diameter	Thickness	Spec Sheet
3/4 CTO CCT Shifter	AC-CC-0003-00-S1	00319	50mm	2mm	📄 (../assets/cloud/product_specs/snap systems/Snap-System-Spec-Sheet.pdf)
1/2 CTO CCT Shifter	AC-CC-0002-00-S1	00321	50mm	2mm	📄 (../assets/cloud/product_specs/snap systems/Snap-System-Spec-Sheet.pdf)
1/4 CTO CCT Shifter	AC-CC-0001-00-S1	00323	50mm	2mm	📄 (../assets/cloud/product_specs/snap systems/Snap-System-Spec-Sheet.pdf)

CLEAR SMALL

	Model #	Code	Diameter	Thickness	Spec Sheet
Clear Snap	AC-CL-0000-00-S1	02183	50mm	2mm	📄 (../assets/cloud/product_specs/snap systems/Snap-System-Spec-Sheet.pdf)

ENHANCE SMALL

Model #	Code	Diameter	Thickness	Spec Sheet

Enhance Lens   AC-EN-0001-00-S1   03281   50mm   2mm

📄

(../assets/cloud/product_specs/snap_systems/Snap-System-Spec-Sheet.pdf)

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Careers (https://www.ecosenselighti us/careers/)

Patents (/patents.php)

Legal (/resources/legal.php)

FAQs (/resources/faqs.php)

Soraa.com (日本語) (/jp/index.html)

(/soraahome.php)

gram.com/soraa_inc/)

SNAP SYSTEM ACCESSORIES
LARGE (FOR 4" LAMPS)
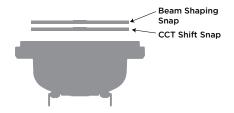
DESCRIPTION

The award winning Soraa SNAP SYSTEM™ is the first LED lamp/accessory solution that is optimized to work as an integrated system. Based on high brightness single source GaN on GaN™ LED technology, it completely redefines accessory application. The effects that can be achieved are similar to what can be done with halogen sources, but are enabled by a relatively low operating temperature and ground-breaking optical design, materials, and methods of attachment.

STACKING ACCESSORIES

SNAP SYSTEM accessories can be stacked in combination. For example, a beam spreader can be used in combination with CCT shifter. When combining the beam shaping Snap accessory with CCT shifting Snap Accessory, for best results always place CCT shifting Snap on the lamp first, as shown in diagram below.

Beam Shaping
Snap

CCT Shift Snap
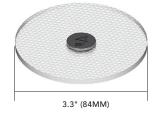
ATTACHMENT

The SNAP SYSTEM's self-centering magnetic interconnect system makes using accessories completely user friendly. Simply attached the SNAP SYSTEM accessory directly to any Narrow Spot Soraa lamp, the magnetic force from both the accessory and lamp will securely attached to one another and center itself.

COMPATIBILITY

The SNAP SYSTEM accessories Large (for 4" lamps) are compatible with the lamps and Optical Light Engines outlined below. The SNAP SYSTEM are only compatible with SORAA Narrow Spot Lamps and Optical Light Engines. See each accessory data for exact diameter.

Large (3.3")
PAR30
PAR38
AR111
OLE/C 30

3.3" (84MM)

PHOTOMETRICS

IES files of accessories is available for download at
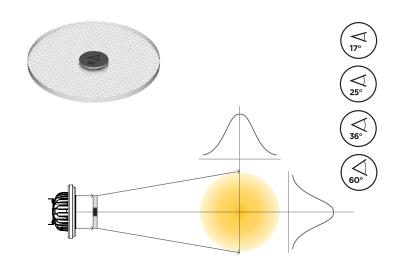http://www.soraa.com/products/snap_system

BEAM SPREADER SNAP

Use in any application where reducing the number of beam angle SKUs is required. Reduces inventory costs. Shortens specification, design, sales cycles. Provides maximum flexibility up to the time of installation.

Beam	Part Number	Product Code	CBCP of 10° Lamp	Field Angle
17°	AC-E-GC-1717-00-S1	03265	53%	33°
25°	AC-E-GC-2525-00-S1	01145	18%	40°
36°	AC-E-GC-3636-00-S1	01147	8%	55°
60°	AC-E-GC-6060-00-S1	01149	3%	90°

Lumen Transmissivity: 90%
Diameter: 84.0 mm Thickness: 3.1 mm
Magnetic Attach Force: 1.0 lb-F
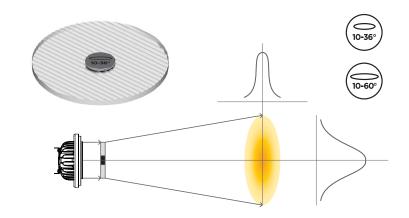
LINEAR SNAP

Use in wall washes and illuminating asymmetric objects. Reduces required number of light fixtures and spill illumination of target objects.

Beam	Part Number	Product Code	CBCP of 9° Lamp	Field Angle Horiz.	Field Angle Vert.
10° - 36°	AC-E-GE-1036-00-S1	01595	30%	27°	43°
10° - 60°	AC-E-GE-1060-00-S1	03261	20%	20°	70°

Lumen Transmissivity: 90%
Diameter: 84.0 mm Thickness: 3.1 mm
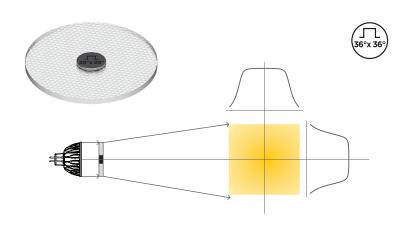Magnetic Attach Force: 1.0 lb-F

FLAT TOP SNAP

Provides even illumination center to edge. Eliminates video camera saturation, for use in applications such as critical video surveillance.

Beam	Part Number	Product Code	CBCP of 10° Lamp	Field Angle Horiz.	Field Angle Vert.
36° x 36°	AC-E-FR-3636-00-S1	01597	14%	46°	46°

Lumen Transmissivity: 90%
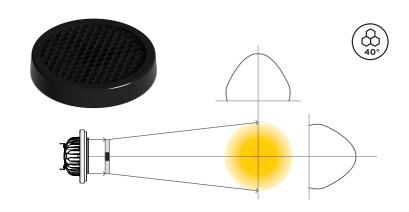Diameter: 50.0 mm Thickness: 2 mm
Magnetic Attach Force: 1.0 lb-F

Information and specifications subject to change.

LOUVER SNAP

Eliminates high angle glare, making light beams disappear in downlight applications.

Cutoff Angle	Part Number	Producrt Code	CBCP of 10° Lamp
40°	AC-E-LU-4040-00-S1	01151	63%

Diameter: 84.0 mm Thickness: 9.0 mm
Magnetic Attach Force: 1.0 lb-F
Reduces angular intensity to 0.1% of peak at 40° full angle.
Fits around lamp face. Can be used in combination with gimbal ring fixtures.

AIM SNAP

Designed with two lenses the Aim Snap bends the beam from 0 degree to maximum deflection angle of 20 degrees, while maintaining uniform and consistent color and shape.

Part Number	Product Code	Lumen Transmission	Beam Angle	Max Deflection
AC-E-AM-0020-00-S1	03257	85%	13°	20°

Suggested method of use:

Use the orientation lines to adjust beam deflection angle.

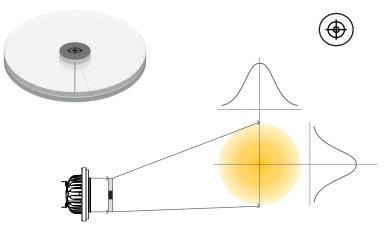Narrower angle between orientation lines results in more deflection

Wider angle between orientation lines results in lesser deflection

Stacked orientation lines will result in undesirable optical artifacts. Rotate one lens slightly to mitigate.

Note: May be used with Beam Spreader, Linear, and Flat Top SNAP accessory.
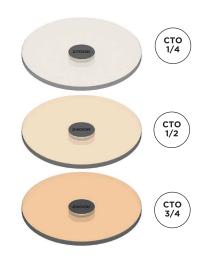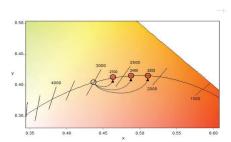
CCT SHIFTER SNAP

Use in hospitality and restaurant applications to simulate warm dimming. Create custom colors for festive occasions or brand identity. Single Lamp SKU can be used for multiple color temperatures

CTO*	Part Number	Part Code	Lumen Transmission	Mired Shift
1/4	AC-E-CC-0001-00-S1	01153	90%	37
1/2	AC-E-CC-0002-00-S1	01155	75%	83
3/4	AC-E-CC-0003-00-S1	01157	60%	120

*Color Temperature Orange
Diameter: 84.0 mm Thickness: 3.1 mm
Magnetic Attach Force: 1.0 lb-F

CCT SHIFT EFFECT

Starting Lamp CCT	1/4 CTO	1/2 CTO	3/4 CTO
2,700K	2,450K	2,200K	2,000K
3,000K	2,700K	2,400K	2,200K
4,000K	3,500K	3,000K	2,700K

Information and specifications subject to change.

CLEAR SNAP

Use together with gel and dichroic filters for total color freedom. Produce the exact mood and effect for any environment with the Clear SNAP accessory,

Clear Snap are sold in quantities of ten.

Part Number	Product Code	Lumen Transmissivity (1 Snap)	Lumen Transmissivity (2 Snaps)
AC-E-CL-0000-00-S1	02185	93%	87%

Diameter: 84.0 mm Thickness: 3.1 mm

Magnetic Attach Force: 1.0 lb-F

Suggested method of use for:

Gel Filter   Dichroic Filter

CLEAR SNAP   GEL   DICHROIC   CLEAR SNAP

ENHANCE

Enhance is a unique color-enhancing filter. Designed to modify the spectrum of Soraa Vivid lamps, it increases the vividness of warm colors (including red, orange and pink colors) as well as greens. In applications where a more colorful setting is sought, Enhance lets the richness of colors stand out even more.

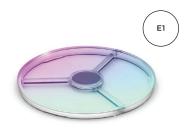| Part Number	Product Code	Lumen Transmissivity	Whiteness
AC-E-EN-0001-00-S1	03283	75%	130%

Diameter: 84.0 mm Thickness: 3.1 mm
Magnetic Attach Force: 0.75 lb-F

Application Notes:
Can be used in combination with any SORAA Vivid 8° and 9° lamps.
Recommended use with CCTs of 3000K and 2700K
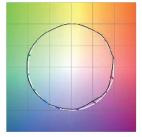
Recommend that the Enhance be combined with either a Louver Snap accessory (for 8° and 9° spot applications) or with a Beam Spreader Snap accessory (for other beam angles).

When stacking the Enhance Snap with other Snap accessories the Enhance Snap should be placed as the first filter on the lamp, followed by other Snaps.

SORAA VIVID

Rf:90, Rg:100

Rw (Whiteness): 120 (2700K & 3000K)

ENHANCE SNAP

Rf:75, Rg:112

Rw (Whiteness): 130 (2700K & 3000K)

SORAA vivid™
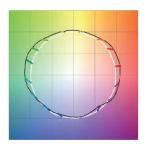
PAR30S E26 18.5W 120V

Output	930 - 1000 lumen
Beam Angle	9°, 25°, 36°, 60°
Color Temperature	2700K, 3000K
Color Metrics	CIE Metrics: CRI 95, R9 95 TM30 Metrics: Rf 90, Rg 100 Whiteness Index: Rw 100
Applications	Hotels & Hospitality Galleries & Museums High-End Retail

SORAA VIVID™
SORAA VIVID lamps offer beautiful and accurate color and white rendering across the entire visible spectrum, mimicking the natural range of sunlight to deliver unmatched quality of light for color critical applications.

POINT SOURCE OPTICS™
Point Source Optics deliver exceptional beam quality with crisp shadows, perfect uniformity and precisely controlled beam distributions from 9° to 60°.

SORAA VIVID COLOR™
SORAA VIVID lamps utilize full spectrum light to provide industry-leading color rendition of CRI/95, R9/95, Rf/90, Rg/100 for precise color reproduction.

SORAA NATURAL WHITE™
SORAA VIVID lamps are engineered to deliver outstanding whiteness rendering for true-to-life whites, which matches or exceeds incandescent sources at 2700K and 3000K.

ACCESSORIES
Narrow spot compatible with the Soraa SNAP SYSTEM™

ENERGY EFFICIENCY
85% more energy efficient than standard halogen lamps, with typical payback of one year or less.

THERMAL COMPATIBILITY
Suitable for use with standard fixtures, subject to the maximum heatsink temperature limits stated in this data sheet. Designed to safely turn down in high temperature environments to protect LED and components.

ELECTRICAL COMPATIBILITY
Works with trailing edge and leading edge phase cut dimmers. Check individual lamp website pages for compatibility data.
For more information visit: www.soraa.com

INTENDED USE & LOCATION RATING
Intended for use in PAR30S compatible recessed downlights, track lighting and other indoor and outdoor applications. Suitable for damp locations, not rated for use in wet locations.

LIFETIME & WARRANTY
Rated lifetime to L70: 35,000hrs
Warranty: 3yrs or 25,000hrs whichever comes first
For warranty information visit: www.soraa.com/resources/legal

GENERAL SPECIFICATIONS

Form Factor

Width: 96mm (3.78")
Height: 92mm (3.62")
Weight: 269g

Operating Temperature

Minimum: -40°C (ambient)
Typical: 70°C - 80°C (base)
Maximum: 90°C (base)

Electrical

Wattage: 18.5W
Power factor: 0.95
Voltage: 120V +/- 12V
Frequency: 50/60Hz
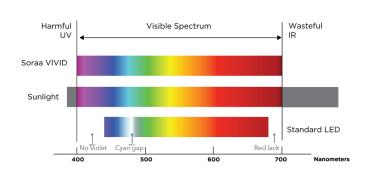
Dimming

Please reference our compatibility chart for dimmer and transformer information.

DIMENSIONS
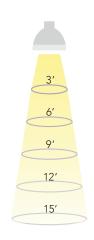
96mm
(3.78)

92mm
(3.62in)

Base Temperature
Measured Here

COLOR RENDERING

Harmful UV — Visible Spectrum — Wasteful IR

Soraa VIVID

Sunlight

Standard LED

No Violet   Cyan gap   Red lack

400   500   600   700   Nanometers

9 DEGREE BEAM

Beam Dia at 50% CBCP (ft)	Field Dia at 10% CBCP (ft)	Foot-candles (% of CBCP)
0.5	0.8	8.6%
0.9	1.7	2.5%
1.4	2.5	1.2%
1.9	3.4	0.7%
2.4	4.2	0.4%

(3', 6', 9', 12', 15')
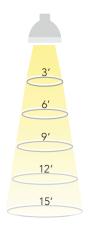
25 DEGREE BEAM

Beam Dia at 50% CBCP (ft)	Field Dia at 10% CBCP (ft)	Foot-candles (% of CBCP)
1.3	2.2	8.6%
2.7	4.4	2.5%
4.0	6.6	1.2%
5.3	8.7	0.7%
6.7	10.9	0.4%

36 DEGREE BEAM

Beam Dia at 50% CBCP (ft)	Field Dia at 10% CBCP (ft)	Foot-candles (% of CBCP)
1.9	3.5	8.6%
3.9	6.9	2.5%
5.8	10.4	1.2%
7.8	13.9	0.7%
9.7	17.3	0.4%

(3', 6', 9', 12', 15')

60 DEGREE BEAM
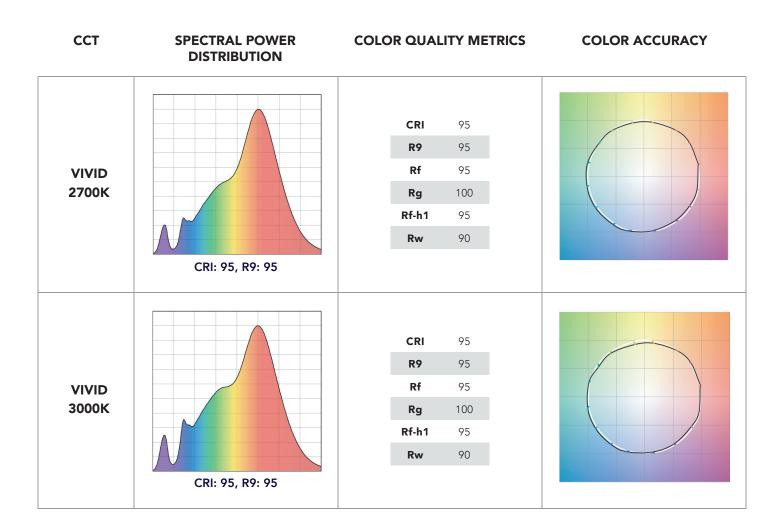
Beam Dia at 50% CBCP (ft)	Field Dia at 10% CBCP (ft)	Foot-candles (% of CBCP)
3.5	6.0	8.6%
6.9	12.0	2.5%
10.4	18.0	1.2%
13.9	24.0	0.7%
17.3	30.0	0.4%

Note: Footcandles may be calculated by multiplying the CBCP of the desired model number by the percentage in the tables above

SPECIFICATIONS BY MODEL NUMBER* SORAA LED PAR30s 18.5W 120V

Model #	Product Code	CCT (K)	Beam Angle	Field Angle	CBCP (cd)	Total Flux (Lm)	Efficacy (Lm/W)	McA	SNAP
VIVID SERIES									
SP30S-18-09D-927-03	00821	2700	9	16	17200	930	50	3	YES
SP30S-18-25D-927-03	00823	2700	25	40	5020	930	50	3	-
SP30S-18-36D-927-03	00825	2700	36	60	2320	930	50	3	-
SP30S-18-60D-927-03	00827	2700	60	90	1020	930	50	3	-
SP30S-18-09D-930-03	00837	3000	9	16	18500	1000	54	3	YES
SP30S-18-25D-930-03	00839	3000	25	40	5400	1000	54	3	-
SP30S-18-36D-930-03	00841	3000	36	60	2500	1000	54	3	-
SP30S-18-60D-930-03	00843	3000	60	90	1100	1000	54	3	-

CCT: Correlated Color Temperature **McA**: White Point Accuracy in McA step **SNAP**:SORAA SNAP System Compatible

*Specifications are at stable warm operating conditions (25°C ambient)

CCT	SPECTRAL POWER DISTRIBUTION	COLOR QUALITY METRICS	COLOR ACCURACY
VIVID 2700K	CRI: 95, R9: 95	CRI 95 / R9 95 / Rf 95 / Rg 100 / Rf-h1 95 / Rw 90	
VIVID 3000K	CRI: 95, R9: 95	CRI 95 / R9 95 / Rf 95 / Rg 100 / Rf-h1 95 / Rw 90	

Information and specifications subject to change.
SP30S 18.5W VIVID NA 09212022

ECOSENSE | 837 N Spring St #103, Los Angeles, CA 90012
www.ecosenselighting.com

ATTACHMENT 4
TO
ADDENDUM 4 TO RFP 2025-02

REVISED DRAWING E-402

LEGEND:

DEMO	‒‒‒‒‒‒‒
EXISTING	– – – – –
NEW	————

PLAN NOTES:

1. PROVIDE 150KW NATURAL GAS GENERATOR IN LEVEL 2 SOUND ENCLOSURE; CUMMINS C150-N6.

2. PROVIDE 600AMP, 4-POLE SERVICE RATED AUTOMATIC-TRANSFER SWITCH. CUMMINS OTECC 600A IN NEMA TYPE 3R, OR APPROVED EQUIV.

3. REFER TO DISTRIBUTION BOARD DSB PANEL SCHEDULE FOR PANELBOARD FEEDER SIZES.

1 — ELECTRICAL RISER - EXISTING
E301 SCALE: NONE

ROOF

STORAGE 206C — CORRIDOR

COMP PNL 208/120V 200 MCB
PNL PP-2 208/120V 100 MCB

2ND FLOOR

ELECTRICAL SERVICE ROOM — MECH ROOM — OFFICE SPACE — ELECTRICAL DISTRIBUTION ROOM

(EX) — M / CT — 400A 400A — MAIN SERVICE DISCONNECT SWITCH

BP-2 208/120V 200 MCB

PP-1 208/120V 200 MCB

EM.LTG 30A

HEATING AC UNIT #4 60A

100A CB — 100A CB

BP-1 208/120V 200 MCB — JB — TC

AC-1 100A — AC-2 100A

BP-2 208/120V 200 MCB

LP-4 200A

1ST FLOOR

2 — ELECTRICAL RISER - INSTALL
E301 SCALE: NONE

ROOF

SOLAR EQUIPMENT

GRADE LEVEL

STORAGE 206C — CORRIDOR

COMP PNL 208/120V 200 MCB

PNL PP-2 208/120V 100 MCB

2ND FLOOR

150KW, 208V, 3-PH GENERATOR (G) — 600A, 3P

SERVICE RATED 600A ATS

2 SETS OF 4#4/0, 1#2G IN (2) 2-1/2"C.

2 SETS OF 4#350KCMIL, 1#1/0G IN (2) 3"C.
2 SETS OF 4#4/0, 1#2G IN (2) 2-1/2"C.

ELECTRICAL SERVICE ROOM — MECH ROOM — THEATER — OFFICE SPACE — ELECTRICAL DISTRIBUTION ROOM

(EX) — M / CT — 400A 400A — MAIN SERVICE DISCONNECT SWITCH

BP-2A 208/120V 60A MCB

PP-1A 208/120V 100 MCB — 4

PP-1 208/120V 200 MCB

DSB 208/120V 3-PH, 4W 400A

EM.LTG 30A

PNL BP-1 208/120V 80A MCB — JB — TC

100A CB ER — 100A CB ER

PNL BP-2 208/120V 100A MCB

1ST FLOOR

No.	Date	Revisions
4	04/18/2025	ADDENDUM NO. 4
0	02-18-25	RFP SET