

ELT-AVT

Project Name:	
Type:	



APPLICATION

ELT-AVT series offer four designs that emulate popular themes in architectural design trends, allowing the luminaires to complement any environments. With a unique design solution, this luminaire can dynamically transform grid ceiling lighting design in commercial environments.

FEATURES:

- Die formed, cold-rolled, heavy gauge steel housing construction provides durability and strength.
- Standard steel door frame allows easy lens replacement without tool. Aluminum door frame is optional. Unique door frame design delivers a premium extrude appearance. Smooth edges for easy handling. Powder-painted, steel door latches provide easy, secure door closure.
- Aluminum door frame is available.
- Painted part finished with high-gloss baked white enamel over rust inhibiting phosphate coating.
- The one piece diffusers are produced from a proprietary blend of acrylic and impact acrylic resins.
- PAF (Painted After Fabrication) finish is standard for corrosion resistance and efficiency.

MOUNTING:

- Recessed ceiling mount. Compatible with most ceiling types.
- Field installed flanged kit is available as option.
- Ceiling surface mount. (optional)

LED:

- High quality array LEDs.
- LM80
- Color Temperature: 2700/3000/3500/4000/5000 (K).
- Color Rendering Index: >80.
- Calculated L70: 122,000 hours.
- Reported L70: +60,000 hours.

ELECTRICAL:

- High power factor electronic driver, operate from a 120 ~ 277 Vac input range, 50 / 60 Hz.
- Features included over voltage protection, surge, short circuit protection and over load protection.
- Power Factor: typical > 0.95, THD <20, meets Class1 or Class 2 circuit.
- Philips Xitanium: 0-10V Dim to 1%(PH).
- Osram Optotronic: 0-10V Dim to 1%(OS1) or 10%(OS).
- Generic : 0-10V 10% dim. (GR)
- Minimum starting temperature: -4°F (-20°C) ~ 122°F (50°C).
- <ELCU-200>
- Guarantees emergency lighting remains ON or is turned on when power to the control device is lost.
- Interfaces with fire alarm panel or security system.
- "Watchdog" feature allows emergency loads to be controlled in tandem with normal power loads.
- UL listed for use in emergency circuits.

LISTING:

- UL/CUL listed and labeled.
- Listed to UL 1598 and UL 8750.
- Recessed Luminaires, Type IC
- Suitable for damp locations.
- CEC Compliant EM (please contact for more information)
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) ⁶
- ARRA compliant (optional).
- BAA compliant (optional).
- LM-79 (DLC listed products only)
- Bluetooth Mesh System available, please contact factory for more information.

CONFIGURATIONS

Series	Size	LED	AC Input	Lumen Output (4000K)	Lumen Efficiency (4000K)
ELT-AVT	2' x 2'	27LED	27.63W	2915.5 lm	105.5 lm/W
		36LED	39.22W	4137.71 lm	105.5 lm/W
		44LED	46.84W	4941.62 lm	105.5 lm/W
		54LED	57.49W	6065.2 lm	105.5 lm/W
		72LED	78.44W	8275.42 lm	105.5 lm/W
		108LED	114.98W	12130.4 lm	105.5 lm/W
	2' x 4'	36LED	39.58W	4365.67 lm	110.37 lm/W
		44LED	44.63W	4925.8 lm	110.37 lm/W
		54LED	57.79W	6374.2 lm	110.37 lm/W
		72LED	75.50W	8327.65 lm	110.37 lm/W
		108LED	108.0W	11912.4 lm	110.37 lm/W

CCT	Multiplier		
	3000K	3500K	5000K
2X2	0.9891	0.9951	1.0119
2X4	0.9809	0.9980	1.0030

CR (Curved Ribbed Center)



CB (Curved Body)



FC (Flat Center)



CC (Concave Body)



ELT-AVT

ORDERING INFORMATION

EXAMPLE: ELT22-2G-AVT-CR-36LED-40K-UNV-SD50

MODEL		TYPE		LED		COLOR TEMP.		CRI		DOOR FRAME	
ELT22-2G-AVT	2' x 2'	CR	Curved Ribbed Center	27LED	27W LED	-27K	2700K ¹⁰	(Blank)	80+ CRI	(Blank)	Flush Steel, White
ELT24-2G-AVT	2' x 4'	CB	Curved Body	36LED	36W LED	-30K	3000K	C9	90+ CRI ¹¹	SB	Flush Steel, Black
		FC	Flat Center	44LED	44W LED	-35K	3500K			FB	Flush Aluminum, Black
		CC	Concave Body	54LED	54W LED	-40K	4000K			FN	Flush Aluminum, Natural
				72LED	72W LED		(Std.)			FW	Flush Aluminum, White
				108LED	108W LED	-50K	5000K			RB	Regressed Aluminum, Black
										RN	Regressed Aluminum, Natural
										RW	Regressed Aluminum, White
										AMB	Anti-Microbial Coating (Matte Skye White)

* Contact factory for custom wattage or lumen requirement. ¹²

MOUNTING		VOLTAGE		LED DRIVER							
(Blank)	9/16", 15/16" T-bar recessed	UNV	120-277V	GR	Generic, 0-10V 10% dim (Std.) ⁹	ES566	eidoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim				
FK	Flange Kit (Field install) for drywall ¹	120	120V	DM1	Generic 0-10V 1% dim	LDE1	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim				
FTSH	Pre-installed Flanged Trim for drywall ²	277	277V	PH	Philips Xitanium, 0-10V 1% dim ⁹	ELV	ELV compatible (reverse-phase or trailing-edge), (120V only)				
S	Surface mount	347	347V	OS	Osram Optotronic, 0-10V 10% dim ⁹	PHSR	Philips Xitanium Sensor-Ready, Dali 5%~100% dim				
		480	480V ³	OS1	Osram Optotronic, 0-10V 1% dim ⁹	PHDL	Philips Xitanium DALI driver, Dim to 5%				
				SD40	40% / 100% Bi-Level Step dim (PH only)	LTEA2W	Hi-lume 1% 2-wire LED driver (120V forward phase only)				
				SDXX	XX% / 100% Bi-Level Step dim (Specify XX : 10%~70%) (PH only)	BLT	Bluetooth Mesh System (contact factory for more information)				
				TDM	Triac Dim. (120V only)						
				TD30/70	30% / 70% / 100% Tri-Level Step dim (PH only)						
				TDXX/YY	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%) (PH only)						

* Trim type must be ordered for recessed mount

OPTIONS		LIGHTING CONTROL SYSTEM	
EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) ^{4,5}	LUTRON VIVE SNS200C RS-IR IFS105SE PPA102S	<Lutron Vive System Enabled>
EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) ^{4,5}		Click Here!
EMG20	3240 LUMEN EM Battery Backup (CEC Compliant EM) ^{4,5}		<EasySense>
EMG25	4050 LUMEN EM Battery Backup (CEC Compliant EM) ^{4,5}		EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) ^{14,15}
ELCU-200	Fail-to-on Emergency lighting, UL924 ¹³		IR dongle v2.0 for EasySense control
GTD	Bodine Generator Transfer Device		<Bluetooth>
GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)		Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming
ARRA	Assembled in USA for Buy American Act		Bluetooth Powerpack (Consult factory for installation location)
BAA	BAA(Buy American Act) and BABA(Build America Buy America) compliant		
AB	Two Ballast for AB Switch		
MS11	Master Slave w/ 11' Whip		
WT	Wet Location ¹⁶		
PW6	Pre-wired 6' Whip Flex		
AMS	Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming		
DPMS	Daylight Dimming Photo Sensor (0-10 VDC Control) ⁷		
SO	Dimming Wires connected to Sensor Only (available option on FS-205 non-Bluetooth AMS sensor only) ⁸		
LSR-301-S	Setup Remote Control for DPMS		
LSR-301-P	Occupant Remote Control for DPMS		
O7W	Optional 7 Years Limited Warranty ⁶		
O10W	Optional 10 Years Limited Warranty ⁷		
GS1	Single Gasketing		
GS2	Double Gasketing		
GS3	Triple Gasketing		
LMS-109	Line Voltage integrated microwave Sensor		
HC403	Microwave bi-level Occupancy Sensor, adjustable via DIP switch ¹⁷		

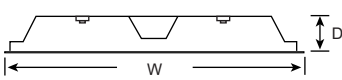
NOTES:

- Flange kits are supplied in separate boxes, field installed.
- Flanged trims are supplied with swing gate hanger.
- Supplied with step down transformer.
- Contact factory for other emergency ballast options.
- Must specify voltage, not available with 347V, 480V.
- This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation. (EM battery backup does not included)
- The standard will be ON/OFF sensor with dimming wires provided for dimmer switch. For sensor dimming control, please select additional "SO" option.
- Dimming wires provided and connected to sensor only, not for dimmer switch. (available with AMS and DPMS option)

- To find an approved dimmer switch, please see table 1.
- Available with C9 only.
- Lumen per watt is around 15% less than standard CRI (80+).
- Custom wattage products are not DLC qualified.
- Shipped separately.
- See NFC and IR manual in the separate attachment. If your phone is not compatible, please order "RS-IR" and follow the manual.
- Refer to Advanced Grouping Datasheet for its default setting and compatible wireless switches.
- Recessed mount only. Closed cell gasket between housing and door frame, and between lens and door frame (additional gasket between housing and ceiling grid available with G3 option). FW door and Grid Ceiling only.
- See Table2 to find factory setting.

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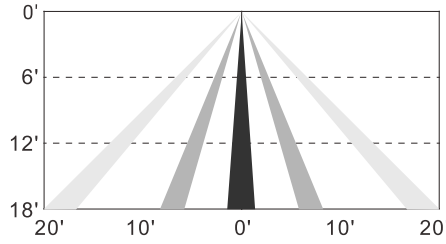
RECESSED MOUNT DIMENSIONS



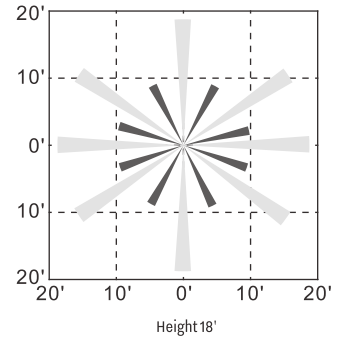
<u>Specifications: 2'x2'</u>	<u>Specifications: 2'x4'</u>
Length: 23-3/4 (603)	Length: 47-3/4 (1213)
Width: 23-15/16 (608)	Width: 23-15/16 (608)
Depth: 3-1/2 (88.9)	Depth: 3-1/2 (88.9)
Weight: 13.07 lbs (5.93 kg)	Weight: 21.01 lbs (9.53 kg)

All dimensions are in inches (millimeters).

SIDE VIEW

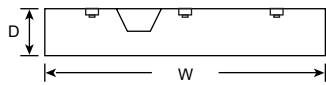


TOP VIEW



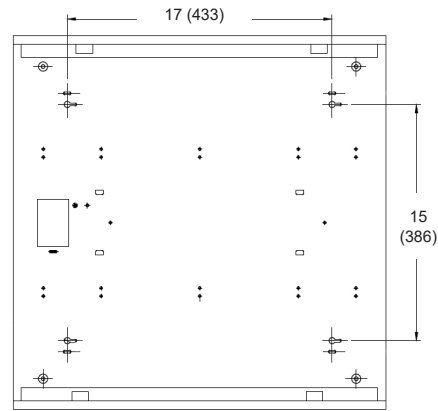
AMS, IFS105SE coverage pattern

SURFACE MOUNT DIMENSIONS

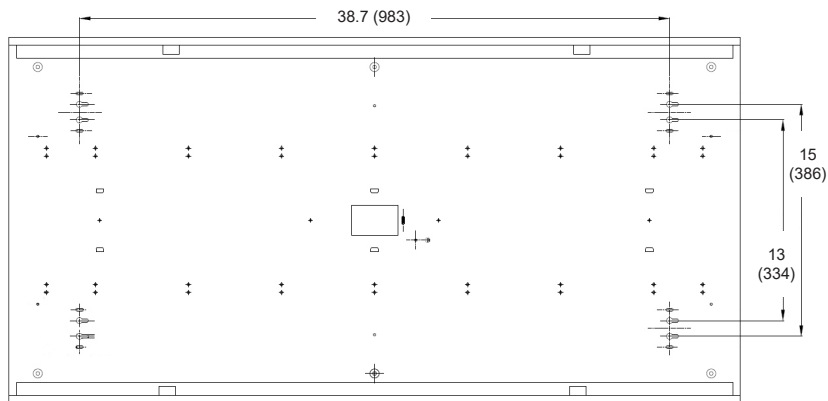


<u>Specifications: 2'x2'</u>	<u>Specifications: 2'x4'</u>
Length: 24 (608)	Length: 48 (1218)
Width: 24 (608)	Width: 24 (608)
Depth: 3-7/8 (99)	Depth: 3-7/8 (99)
Weight: 16.16 lbs (7.33 kg)	Weight: 26.3 lbs (11.93 kg)

All dimensions are in inches (millimeters).



2X2



2X4

ELT-AVT

COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IllumaTech IP7 series
		<Lutron>	Visit www.lutron.com/advance for a list of dimmers (Mark VII) that will work with this driver.
		<Philips>	Sunrise : SR1200ZTUNV
ES566	eldoLED SOLOdrive	<Busch-Jaeger>	2112U-101
		<Jung>	240-10
		<Leviton>	IllumaTech - IP710-DLX
		<Lightoller Controls>	ZP600FAM120
		<Merten>	5729
		<Pass & Seymour>	CD4FB-W
		<Wattstopper>	DCLV1
		<Sensor Switch>	nIO EZ
		<Synergy>	ISD BC
		<ABB>	SD/S 2.16.1
		<Lutron>	Nova T: NTFTV Diva - DVTV-xx, NFTV GRAFIK Eye: GRX-TVI w GRX3503 Energy Savr Node: QSN-4T16-S TVM2 Module
		<Crestron>	GLX-DIMFLV8, GLXP-DIMFLV8, GLPAC-DIMFLV4-*, GLPAC-DIMFLV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-AO8, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX
LDE1	Lutron 5-Series EcoSystem	<Lutron>	PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO ^{1,2} Energi Savr Node (120V only): QSN-1ECO-S, QSN-2ECO-S GRAFIK Eye QS/Homeworks QS control unit (120V only): QSGRJ-_E(wireless) QSGR-_E Quantum Hub (120V only): QP2-_2C/4C/6C/8C Homeworks QS/myRoom Plus power module (120V only): LQSE-2ECO-D
PHSR ³	Philips Xitanium Sensor-Ready	<Illumra>	<u>Single Rocker Self-Powered Light Switch (on/off, dim-up/down)</u> Illumra# ZBT-S1AWH Digi-Key# 1082-1033-ND <u>Dual Rocker Self-Powered Light Switch (on/off, dim-up/down, scene1,2)</u> Illumra# ZBT-S2AWH Digi-Key# 1082-1034-ND
TDM	KEYSTONE	<Lutron>	Diva DV-600P, SkyLark S-600P, Ariadni AY-600P, Ariadni TG-603P, Maestro MA-600 (Digital), Diva CFL/LED DVCL-153P, Satin Colors DVSC-600P-SW
		<Leviton>	6641, IllumaTech IPI06-1LX, ToggleTouch TGI06-1LW (Digital)
ELV	KEYSTONE	<Lutron>	MAELV-600BL (Digital), DVELV-300P, SkyLark SELV-300P
LTEA2W	Lutron Hi-Lume 2-wire (120V forward voltage only)	<Lutron>	Visit http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf for a list of compatible dimmer switches.

NOTES:

- All devices connected to one FCJ/FCJS-ECO will be controlled together. Devices will dim to the same level as the result of a control command. For more detail on adjusting low-end light level refer to Application Note#556 at www.lutron.com.
- For the Line/Hot (L/H) terminal on the driver, it is preferred not to use the switched hot (red) wire from the control but rather the hot wire directly from the power source.
- Recommended for EasySense System.

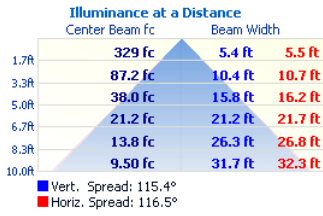
HC403 FACTORY SETTING (TABLE 2)

Detection Area	100%
Hold-time	5 sec
Daylight sensor	Disable
Stand-by period (tri-level control)	10 sec
Stand-by dimming level	10%

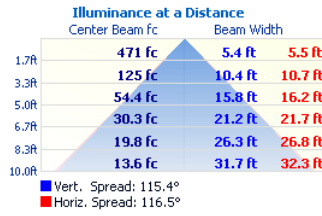
* See a separate attachment to find more setting options.

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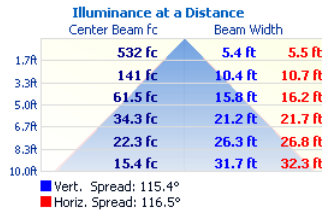
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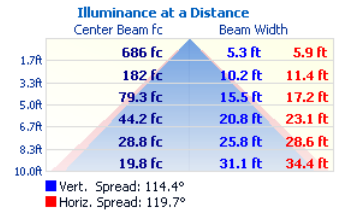
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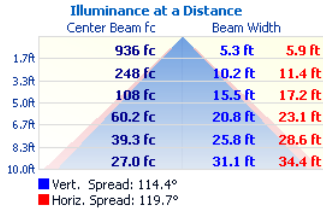
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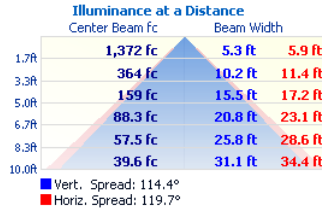
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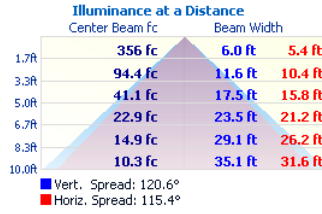
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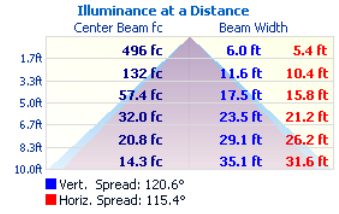
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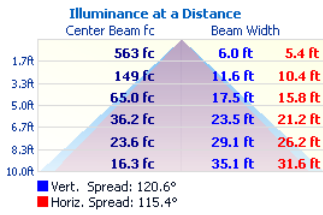
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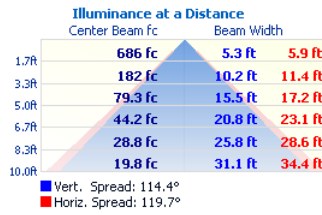
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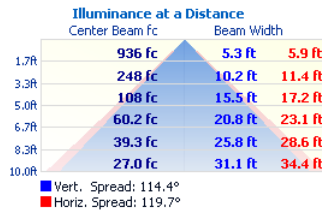
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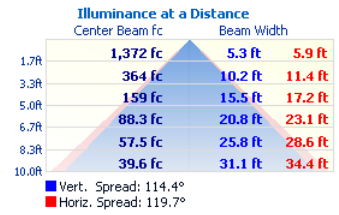
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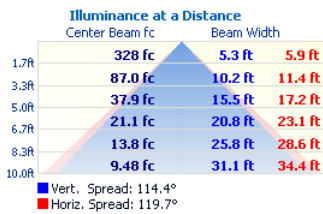
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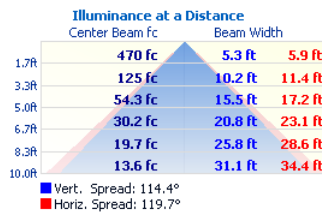
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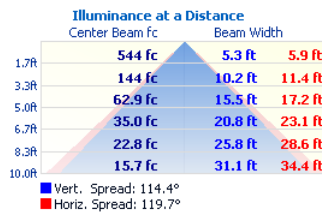
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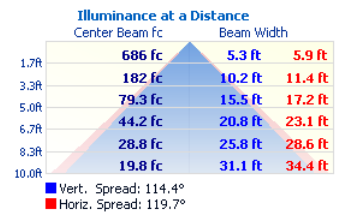
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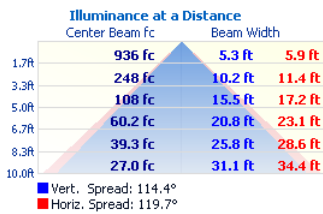
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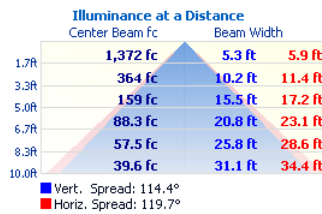
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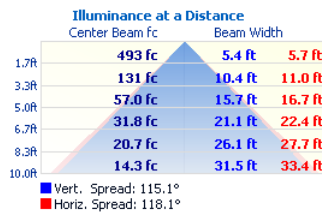
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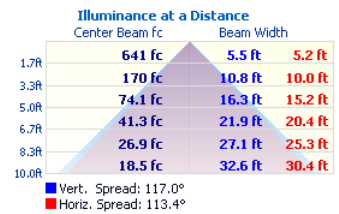
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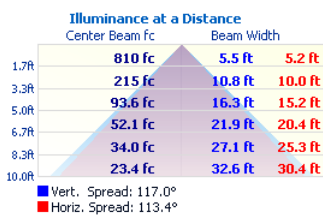
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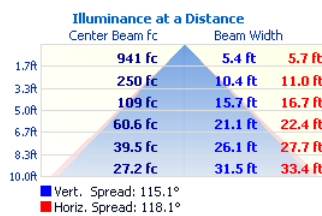
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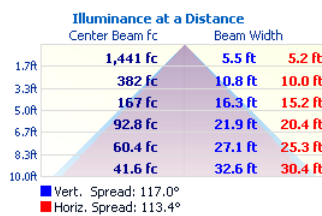
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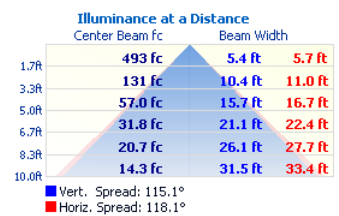
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ELT24-2G-AVT-CB-108LED

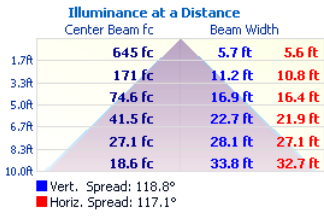


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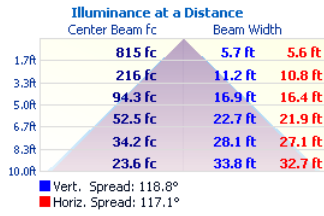


ELT-AVT

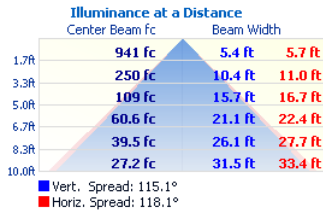
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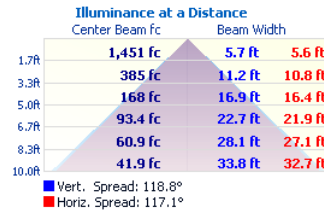
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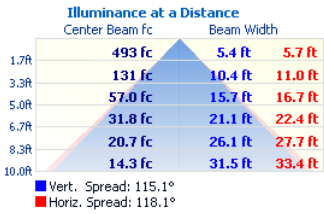
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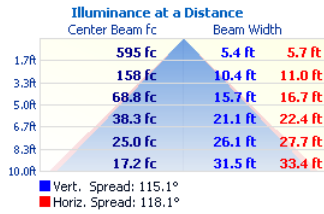
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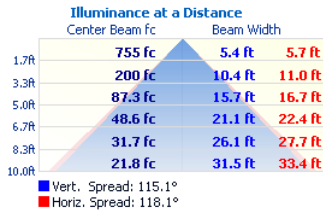
ELT24-2G-AVT-FC-36LED



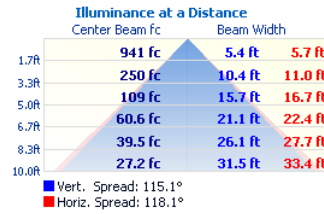
ELT24-2G-AVT-FC-44LED



ELT24-2G-AVT-FC-54LED



ELT24-2G-AVT-FC-72LED



ELT24-2G-AVT-FC-108LED

