| Project Name: |  |
|---------------|--|
| Type:         |  |

















### **APPLICATION**

The CUBE2-HC90 creates a design statement for contemporary and traditional architectural interiors. The angular luminaires are decorative and suitable for a multiple of applications like offices, retails, museums and galleries as well as high ceiling application such as lobbies.

### **FEATURE:**

- Housing is formed by cold-rolled steel with a highly reflective die-formed white painted steel reflector.
- The snap-in acrylic lens has a matte finish and a diffuser (.125" thick) which is removable for lamp replacement.
- 90 degree and 135 degree luminaires are available.

# MOUNTING:

- Pendant, surface, wall mount, recessed (drywall and T-bar) mount available
- Mounting restrictions apply on some of the recessed housings, please refer to the ordering chart or dimension page to find availability.

### LED:

- High quality array LEDs.
- LM80
- Color Temperature: 3000/3500/4000/5000 (K)
- Color Rendering Index: > 80 (optional > 90).
- Nominal Lamp Life: 100,000 hours.
- Reported L70 hours: +60,000 (55°C).

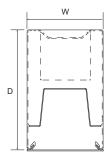
### **ELECTRICAL:**

- 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.
- 0-10V dimmable driver as standard.
- 0-10VDC dimming 1%~100%.
- Operating 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.

- Standard powder-coat textured white painted finish on exposed trim, consult factory for custom colors.
- Comes with snap-in acrylic lens as standard.

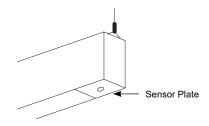
### LISTING:

- UL / CUL listed.
- Listed to UL 1598 and UL 8750.
- UL listed for dry & damp location.
- Assembled in USA (optional).
- BAA compliant (optional).
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) <sup>5</sup>
- Bluetooth Mesh System available, please contact factory for more information.



Width: 2.5 (64) Depth: 4 (101)

All dimensions are in inches (millimeters).





Lutron Vive Integral fixture control installation



EasySense fixture-mount installation



# **ARCHITECTURAL DESIGN**

# CUBE2-HC90

### CONFIGURATIONS

| Series       | Size    | Model #            | AC Input | Fixture Lumen Output (4000K)                    |                          | Lumen Efficiency<br>(4000K) |
|--------------|---------|--------------------|----------|---|--------------------------|-----------------------------|
|              |         | D18L               | 9.9W     | 1280.46 lm (100% Down)                          | 1280.46 lm               | 129.34 lm/W                 |
|              |         | D27L               | 14.85W   | 1641.66 lm (100% Down)                          | 1641.66 lm               | 110.55 lm/W                 |
|              |         | D36L               | 19.8W    | 2122.36 lm (100% Down)                          | 2122.36 lm               | 107.19 lm/W                 |
|              |         | D48L               | 26.4W    | 2811.6 lm (100% Down)                           | 2811.6 lm                | 106.5 lm/W                  |
|              |         | D54L               | 29.7W    | 3146.41 lm (100% Down)                          | 3146.41 lm               | 105.94 lm/W                 |
|              |         | 18L/18L            | 19.8W    | 1179.37 lm (57.6% Down) / 868.15 lm (42.4% Up)  | 2047.52 lm               | 103.41 lm/W                 |
|              | 11      | 27L/18L            | 24.75W   | 1651.86 lm (63% Down) / 970.15 lm (37% Up)      | 2622.01 lm               | 105.94 lm/W                 |
|              |         | 27L/27L            | 29.7W    | 1769.05 lm (57.6% Down) / 1302.22 lm (42.4% Up) | 3071.27 lm               | 103.41 lm/W                 |
|              |         | 36L/18L            | 29.7W    | 2093.38 lm (65.5% Down) / 1102.63 lm (34.5% Up) | 3196.01 lm               | 107.61 lm/W                 |
|              |         | 48L/18L            | 36.3W    | 2383.15 lm (64.6% Down) / 1305.95 lm (35.4% Up) | 3689.1 lm                | 101.63 lm/W                 |
|              |         | 48L/27L            | 41.25W   | 2485.9 lm (59.3% Down) / 1706.3 lm (40.7% Up)   | 4192.2 lm                | 101.63 lm/W                 |
|              |         | 54L/18L            | 39.6W    | 2937.92 lm (73% Down) / 1086.63 lm (27% Up)     | 4024.55 lm               | 101.63 lm/W                 |
|              |         | 54L/27L            | 44.55W   | 3140 lm (65.5% Down) / 1654 lm (34.5% Up)       | 4794 lm                  | 107.61 lm/W                 |
|              |         | 18L                | 14.85W   | 1921.29 lm (100% Down)                          | 1921.29 lm               | 129.38 lm/W                 |
|              |         | 27L                | 22.27W   | 2461.50 lm (100% Down)                          | 2461.50 lm               | 110.53 lm/W                 |
|              |         | 36L                | 29.7W    | 3182.95 lm (100% Down)                          | 3182.95 lm               | 107.17 lm/W                 |
|              |         | 48L                | 39.6W    | 4217.4 lm (100% Down)                           | 4217.4 lm                | 106.5 lm/W                  |
|              |         | 54L                | 44.55W   | 4720.51 lm (100% Down)                          | 4720.51 lm               | 105.96 lm/W                 |
|              |         | 18L/18L            | 29.7W    | 1950.73 lm (57.6% Down) / 1435.96 lm (42.4% Up) | 3386.69 lm               | 114.03 lm/W                 |
| CUBE2-HC90   | 12 & 21 | 27L/18L            | 37.12W   | 2477.46 lm (63% Down) / 1455.03 lm (37% Up)     | 3932.49 lm               | 105.94 lm/W                 |
|              |         | 27L/27L            | 44.55W   | 2653.58 lm (57.6% Down) / 1953.32 lm (42.4% Up) | 4606.91 lm               | 103.41 lm/W                 |
|              |         | 36L/18L            | 44.55W   | 3140.08 lm (65.5% Down) / 1653.94 lm (34.5% Up) | 4794.02 lm               | 107.61 lm/W                 |
|              |         | 48L/18L            | 54.45W   | 3574.8 lm (64.6% Down) / 1958.95 lm (35.4% Up)  | 5533.75 lm               | 101.63 lm/W                 |
|              |         | 48L/27L            | 61.8W    | 3724.45 lm (59.3% Down) / 2556.25 lm (40.7% Up) | 6280.7 lm                | 101.63 lm/W                 |
|              |         | 54L/18L            | 59.4W    | 4406 lm (73% Down) / 1629.63 lm (27% Up)        | 6035.63 lm               | 101.61 lm/W                 |
|              |         | 54L/27L            | 66.82W   | 4709.77 lm (65.5% Down) / 2480.73 lm (34.5% Up) | 7190.5 lm                | 107.61 lm/W                 |
|              |         | 18L                | 19.8W    | 2562.12 lm (100% Down)                          | 2562.12 lm               | 129.40 lm/W                 |
|              |         | 27L                | 29.7W    | 3283.33 lm (100% Down)                          | 3283.33 lm               | 110.55 lm/W                 |
|              |         | 36L                | 39.6W    | 4244.72 lm (100% Down)                          | 4244.72 lm               | 107.19 lm/W                 |
|              |         | 48L                | 52.8W    | 5623.2 lm (100% Down)                           | 5623.2 lm                | 106.5 lm/W                  |
|              |         | 54L                | 59.4W    | 6294.02 lm (100% Down)                          | 6294.02 lm               | 105.96 lm/W                 |
|              |         | 18L/18L            | 39.6W    | 2358.73 lm (57.6% Down) / 1736.30 lm (42.4% Up) | 4095.03 lm               | 103.41 lm/W                 |
|              | 22      | 27L/18L            | 49.5W    | 3303.73 lm (63% Down) / 1940.30 lm (37% Up)     | 5244.03 lm               | 105.94 lm/W                 |
|              |         | 27L/27L            | 59.4W    | 3538.10 lm (57.6% Down) / 2604.45 lm (42.4% Up) | 6142.55 lm               | 103.41 lm/W                 |
|              |         | 36L/18L            | 59.4W    | 3954.11 lm (65.5% Down) / 2082.71 lm (34.5% Up) | 6036.82 lm               | 101.63 lm/W                 |
|              |         | 48L/18L            | 72.6W    | 4766.3 lm (64.6% Down) / 2612 lm (35.4% Up)     | 7378.3 lm                | 101.63 lm/W                 |
|              |         | 48L/27L            | 82.5W    | 4971.9 lm (59.3% Down) / 3412.5 lm (40.7% Up)   | 8384.4 lm                | 101.63 lm/W                 |
|              |         | 54L/18L            | 79.2W    | 5875.83 lm (73% Down) / 2173.26 lm (27% Up)     | 8049.09 lm               | 101.63 lm/W                 |
|              |         | 54L/27L            | 89.1W    | 6280.14 lm (65.5% Down) / 3307.86 lm (34.5% Up) | 9588 lm                  | 107.61 lm/W                 |
|              |         | 18L                | 19.8W    | 2562.12 lm (100% Down)                          | 2562.12 lm               | 129.40 lm/W                 |
|              |         | 27L                | 29.7W    | 3283.33 lm (100% Down)                          | 3283.33 lm               | 110.55 lm/W                 |
|              |         | 36L                | 39.6W    | 4244.72 lm (100% Down)                          | 4244.72 lm               | 107.19 lm/W                 |
|              |         | 48L                | 52.8W    | 5623.2 lm (100% Down)                           | 5623.2 lm                | 106.5 lm/W                  |
|              |         | 54L                | 59.4W    | 6294.02 lm (100% Down)                          |                          |                             |
|              |         | 18L/18L            | 39.4W    | 2358.73 lm (57.6% Down) / 1736.30 lm (42.4% Up) | 6294.02 lm<br>4095.03 lm | 105.96 lm/W<br>103.41 lm/W  |
| CUBE2-HC135  | 22      | 27L/18L            | 49.5W    | 3303.73 lm (63% Down) / 1940.30 lm (42.4% Up)   | 5244.03 lm               | 105.94 lm/W                 |
| 30522-110100 |         | 27L/10L<br>27L/27L | 59.4W    | 3538.10 lm (57.6% Down) / 2604.45 lm (42.4% Up) | 6142.55 lm               | 103.41 lm/W                 |
|              |         | 36L/18L            | 59.4W    | 3954.11 lm (65.5% Down) / 2004.45 lm (42.4% Up) | 6036.82 lm               | 103.41 III/W                |
|              |         | 48L/18L            | 72.6W    | 4766.3 lm (64.6% Down) / 2612 lm (35.4% Up)     | 7378.3 lm                | 101.63 lm/W                 |
|              |         | 48L/27L            |          | 4971.9 lm (59.3% Down) / 3412.5 lm (40.7% Up)   |                          |                             |
|              |         |                    | 82.5W    | 5875.83 lm (73% Down) / 2173.26 lm (27% Up)     | 8384.4 lm<br>8049.09 lm  | 101.63 lm/W<br>101.63 lm/W  |
|              |         | 54L/18L            | 79.2W    |   |                          |                             |
|              |         | 54L/27L            | 89.1W    | 6280.14 lm (65.5% Down) / 3307.86 lm (34.5% Up) | 9588 lm                  | 107.61 lm/W                 |

|           | Multiplier |        |        |  |  |
|-----------|------------|--------|--------|--|--|
| ССТ       | 3000K      | 3500K  | 5000K  |  |  |
| Down only | 0.9642     | 0.9822 | 1.0357 |  |  |
| Up&Down   | 0.971      | 0.9856 | 1.029  |  |  |

# OUTPUT CURRENT

|       |       | Bi-Leve      | el      | Tri-Level (Default) |         |  |
|-------|-------|--------------|---------|---------------------|---------|--|
| SW1   | SW2   | Config Range | Default | Config Range        | Default |  |
| Close | Open  | 10% - 70%    | 40%     | 10% - 70%           | 30%     |  |
| Open  | Close | 10% - 70%    | 40%     | 10% - 70%           | 70%     |  |
| Close | Close | 100%         | 100%    | 100%                | 100%    |  |
| Open  | Open  | 0%           | 0%      | 0%                  | 0%      |  |

# WEIGHT

| Item          | lbs   | kg   |
|---------------|-------|------|
| CUBE2-HC90    | 15.19 | 6.89 |
| CUBE2-HC90-FT | 17.37 | 7.88 |



# ORDERING INFORMATION

# EXAMPLE: CUBE2-HC90-12-D27L-30K-UNV-X1-AC48

| MODEL | s     | hape       | 8  | Size    |              | ownlight<br>h section)  |                | Uplight <sup>1</sup><br>ch section) | Uplig           | ht DISTRIBUTION   |              | COLOR TEMP.  |
|-------|-------|------------|----|---------|--------------|---|----------------|-------------------------------------|-----------------|---|--------------|--|
| CUBE2 | HC90  | 90 Degree  | 11 | 1' x 1' | D18L<br>D27L | 18W LED<br>27W LED  | /U18L<br>/U27L | 18W LED<br>27W LED                  | (Blank)<br>UN15 | No optic<br>Uplight Narrow 15°                            | (Blank)      | Leave blank if you wish to have different CCT for up and |
|       |       |            | 12 | 1' x 2' | D36L         | 36W LED   | /02/L          | Z/W LED                             | UN30            | Uplight Narrow 30°  |              | down, and fill out next section                          |
|       |       |            | 21 | 2' x 1' | D54L         | 54W LED   |                |                                     | UM<br>UASY      | Uplight Medium 60°  | -30K<br>-35K | 3000K<br>3500K   |
|       |       |            | 22 | 2' x 2' |              | *Maximum wattage per each section<br>- pendant : 75W(up & down light) |                |                                     | UBAT            | Uplight Asymmetric 20° <sup>24</sup> Uplight Batwing 120° | -35K         | 4000K  |
|       | HC135 | 135 Degree | 22 | 2' x 2' |              | t : 54W(down light)   |                |                                     | UPC             | Non-optic clear cover                                     | -50K         | 5000K  |

| SEPARATE COLOR TEMP. 1 |  |               | CRI |                                | MOUNTING   | vo                       | LTAGE  |
|------------------------|--|---------------|-----|--------------------------------|--|--------------------------|--|
| (Blank)                | Leave blank if you wish to have different CCT for up and down, and fill out next section Indicate 27,30,35,40 or 50 for XX and YY (D represents Downlight, U represents Uplight) | (Blank)<br>C9 |     | (Blank)<br>FT<br>G1<br>SF<br>S | Pendant Standard 1/2" Flange (drywall) <sup>2</sup> 9/16", 15/16", 1" T-bar Ceiling Grid <sup>15, 20</sup> Spackle Flange (Trimless) <sup>16, 17, 20</sup> Ceiling Surface Wall  *Limited mounting option(s) depending on the shape & size. Please see dimensions page to find availability. | UNV<br>120<br>277<br>347 | 120-277V<br>120V<br>277V<br>347V <sup>18</sup> |

| EM SE          | ECTION               | FIXTURE FINISH 10         |   | N FIXTURE FINISH 10 CORD FINISH (for pendant) |  |                                | CANOPY FINISH<br>(for pendant)  |                      | CEILING TYPE<br>(for pendant)   |  |
|----------------|----------------------|---------------------------|---|---|--|--------------------------------|---|----------------------|---|--|
| (Blank)<br>1SE | None EM<br>1 Section | (Blank) *BK *SV **CC *AMB | Matte White RAL #9003 (Std.) Black RAL #9011 Silver (RAL #9022) Custom Color <sup>8</sup> Anti-Microbial Coating (Matte Skye White) | (Blank)<br>*BKC                               | White (Std.)<br>Black                          | (Blank)<br>*BC<br>*SC<br>**CSS | White (Std.) Black Canopy Silver Canopy Custom Canopy Color (White is Std.) | X1<br>X2<br>X3<br>X4 | 15/16" grid T-bar ceiling<br>Hard ceiling<br>Sloped Hard ceiling<br>9/16" T-bar ceiling |  |
|                |                      |                           |   |   | nish with extra charge.<br>harge & set up fee. | J                              |   |                      |   |  |

| SUSPENSION LENGTH (for pendant)  |   | LED DRIVER   |  |  |  |  |
|--|---|--|--|--|--|--|
| AC48 AC96 ST24 ST48 ST48 AC96 Adjustable Aircraft Cable Canopy 96"L Stem Canopy 24"L Stem Canopy 48"L * Contact factory for custom length. | (Blank) UDSD SP ES566 SD40 SDXX PHSR PHDL ED560 TDM TD30/70 TDXX/YY LDE1 ELV TRIOT DTO DMX DLM LTEA2W | 40% / 100% Bi-Level Step dim XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%) Philips Xitanium Sensor-Ready, Dali 5%-100% dim. Philips Xitanium DALI driver, Dim to 5% eldoLED LightShape DALI dim to dark, 0.1% ~ 100% Triac Dim. (120V only) 30% / 70% / 100% Tri-Level Step dim XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%) Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim ELV compatible (reverse-phase or trailing-edge), (120V only) Tridonic IoT ready, 1-100% dim via Smart Module Interface (SMI), automated dimming/lighting controls via Enlighted Sensor Interface 0-10V DIM-TO-OFF DMX512 control system (Only available with RGB+W option) Wattstopper's DLM interface (Only available with RGB+W option) |  |  |  |  |



|   | OPTIONS  | LIGHTING CONTROL SYSTEM                                    |   |  |
|---|--|--|---|--|
| EM5MC 81/1 EM7MC 113 EM10MC 166 EMG25 409 EMC C GTD Bo GTD10DIM Bo GLR Fa GMF Slc ARRA AS BAA O77W Op O10W Op AMS Blc DPMS Da LSR-301-S Se LSR-301-P C COC Se | Slip Through Bracket <sup>3</sup> 110 LUMEN Emergency Ballast (32°F (0°C) ~ 131°F (55°C))  134 LUMEN Emergency Ballast (32°F (0°C) ~ 122°F (50°C))  620 LUMEN Emergency Ballast (32°F (0°C) ~ 122°F (50°C))  620 LUMEN Emergency Ballast (32°F (0°C) ~ 131°F (55°C))  620 LUMEN Em Battery Backup (CEC Compliant EM) <sup>22, 23</sup> CEC compliant EM <sup>4</sup> 80 dine Generator Transfer Device  80 dine Generator Transfer Device  80 dine Generator Transfer Device (0-10VDC Dimmer Override)  Fast Blow Fuse <sup>19</sup> 81 Slow Blow Fuse <sup>19</sup> 81 Slow Blow Fuse <sup>19</sup> 82 Sembled in USA for Buy American Act  83 AA(Buy American Act) and BABA(Build America Buy America) compliant  83 Ditional 7 Years Limited Warranty <sup>5</sup> 83 Ditional 10 Years Limited Warranty <sup>5</sup> 84 Ditional 10 Years Limited Warranty <sup>5</sup> 85 Ditional 10 Years Limited Warranty <sup>5</sup> 86 Ditional Dimming Photo Sensor (0-10 VDC Control),  86 LSR-301-S required if FD-301 is installed) <sup>21</sup> 97 Dimming Wires connected to Sensor Only (available option on FS-205 ton-Bluetooth AMS sensor only) <sup>6</sup> 86 Detup Remote Control for DPMS (Required for DPMS)  86 Deparated EM feed for City of Chicago code compliance <sup>22</sup> 22 End feed on one end (Pre-drilled hole for 1/2° fitting) | LUTRON VIVE  SNS200  RS-IR  SU-5E  RS-WS  IFS105SE PPA102S | <lutron enabled="" system="" vive=""> ✓EasySense Fixture-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) 11, 12 IR dongle v2.0 for EasySense control <enlighted> Enlighted IoT ready 0-10V Indoor Micro sensor with occupancy/vacancy detection, daylight harvesting, thermal sensing, task tuning, and room and zone control, Bluetooth enabled (Must be ordered with TRIOT) 13 Enlighted Room controller providing basic control functions of a standard wall switch with preset dimming capability <bluetooth> Bluetooth&gt; Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming Bluetooth Powerpack (Consult factory for installation location)</bluetooth></enlighted></lutron> |  |

#### NOTES:

- Pendant only.
   Requires # STB as standard.
- 3. Standard with "FT" mounting.
- 4. Check with factory for more details.
- 5. This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
- 6. Dimming wires provided and connected to sensor only, not for dimmer switch.
- (available with AMS and DPMS option)

  7. For separate dimming control, please be advised it may not be available when EM battery backup is added due to limited space. Please contact us for more information.
- 8. Refer to color charts (RAL and/or Cardinal) in the separate attachment.
- 9. Lumen per watt is around 15% less than standard CRI (80+).
  10. Cord is available in white or black. (Black is not available for the EM option)
- 11. See NFC and IR manual in the separate attachment. If your phone is not compatible, please order "RS-IR" and follow the manual.

- 12. Refer to Advanced Grouping Datasheet for its default setting and compatible wireless switches. 13. "RS-WS" option can be added if wish to have a wall switch,
- please see Enlighted Room Controller in the separate attachment.
- 14. Can have up to 2 power feeds depending on the configuration.15. Compatible with X1 ceiling type.16. Requires # STB as standard.

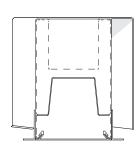
- 10. Requires # 318 as standard.
  17. Compatible with X2 ceiling type.
  18. 347V cannot work with Emergency Battery Backup.
  19. Must specify voltage, not available with 347V.
  20. Only available with HC90-22.

- 21. Automatic on/off is not available. For automatic on/off, additional occupancy sensor is required or a manual on/off switch can be done.

  22. Contact factory for other emergency ballast options.
- 23. For 3ft configuration, EM can only be remote mounted. Remote box is provided by others.
- 24. Standard optic illuminates the wall. Optics can be field modified (reversed) to illuminate room.

# Surface

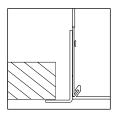
# Drywall





# - INACCESSIBLE **CEILING MOUNTING**

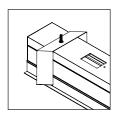
# Flange Detail



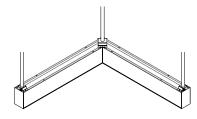
Exposed Flange Detail: Specify FT in part #

# - SPECIALTY MOUNTS

# **Rotating Crossbar**

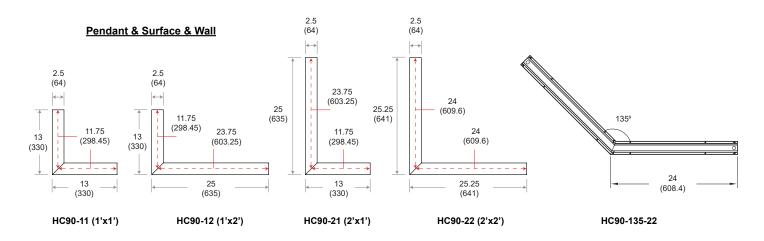


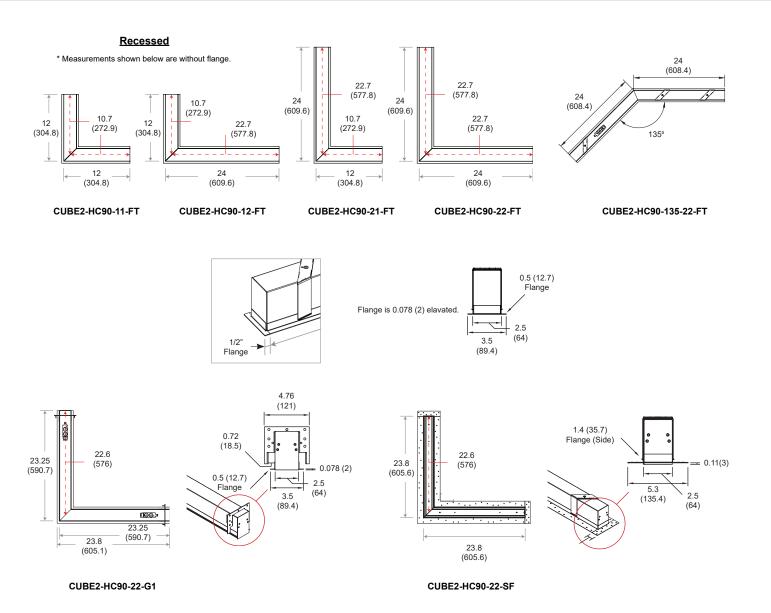
Unavailable Structure Support: Specify STB in part #











# **COMPATIBLE DIMMER SWITCH (TABLE 1)**

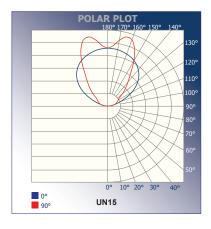
| Model #           | Brand   |  | Compatible Dimmer Switch   |
|-------------------|---|--|--|
|                   |   | <leviton></leviton>  | IP710-LFZ  |
| (Blank) -         | <lutron></lutron>                                       | Nova: NFTV-dimmer plus PP-DV relay pack(s) Nova T: NTSTV-DV-dimmer Diva: DVTV-dimmer, DVSCTV-dimmer, plus PP-DV, relay pack(s), DVSTV-dimmer, DVSCSTV-dimmer GRAFIK Eye QS: QSGRJ-XP, plus GRX-TVI 0-10V interface GRAFIK Eye QS w/EcoSystem: QSGRJ-XE, QSGR-XE, plus GRX-TVI 0-10V interface PowPak: RMJ-5T |  |
|                   |   | <busch-jaeger></busch-jaeger>  | 2112U-101  |
|                   |   | <jung></jung>  | 240-10   |
|                   |   | <leviton></leviton>  | IllumaTech - IP710-DLX   |
|                   |   | <lightoller controls=""></lightoller>  | ZP600FAM120  |
|                   |   | <merten></merten>  | 5729   |
|                   |   | <pass &="" seymour=""></pass>  | CD4FB-W  |
|                   |   | <wattstopper></wattstopper>  | DCLV1  |
|                   |   | <sensor switch=""></sensor>  | nIO EZ   |
| ES566             | eldoLED SOLOdrive                                       | <synergy></synergy>  | ISD BC   |
|                   |   | <abb></abb>  | SD/S 2.16.1  |
|                   |   | <lutron></lutron>  | Nova T: NTFTV<br>Diva - DVTV-xx, NFTV<br>GRAFIK Eye: GRX-TVI w GRX3503<br>Energy Savr Node: QSN-4T16-S<br>TVM2 Module  |
|                   |   | <crestron></crestron>  | GLX-DIMFLV8, GLXP-DIMFLV8, GLPAC-DIMFLV4.*, GLPAC-DIMFLVV8.*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-AO8, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX   |
| ED560             | eldoLED DUALdrive                                       | <lunatone></lunatone>  | SS-LUNAT PS2 30mA<br>SS-LUNAT Touch or BT<br>SS-LUNAT Comm   |
| LDE1              | Lutron 5-Series<br>EcoSystem                            | <lutron></lutron>  | PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO <sup>1, 2</sup> Energi Savr Node (120V only): QSN-1EC0-S, QSN-2ECO-S GRAFIK Eye QS/Homeworks QS control unit (120V only): QSGRJ_E(wireless) QSGR_E Quantum Hub (120V only): QP22C/4C/6C/8C Homeworks QS/myRoom Plus power module (120V only): LQSE-2ECO-D |
| PHSR <sup>3</sup> | Philips Xitanium Sensor-Ready                           | <li>umra&gt;</li>  | Single Rocker Self-Powered Light Switch (on/off, dim-up/down) Illumra# ZBT-S1AWH Digi-Key# 1082-1033-ND Dual Rocker Self-Powered Light Switch (on/off, dim-up/down, scene1,2) Illumra# ZBT-S2AWH Digi-Key# 1082-1034-ND  |
| TDM               | KEYSTONE  | <lutron></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></leviton>  | 6641, IllumaTech IPI06-1LX, ToggleTouch TGI06-1LW (Digital)  |
| ELV               | KEYSTONE  | <lutron></lutron>  | MAELV-600BL (Digital), DVELV-300P, SkyLark SELV-300P   |
| DTO               | Philips Xitanium Gen.2<br>Philips Xitanium Sensor-Ready | <lutron></lutron>  | Nova T: #NTSTV-DV<br>http://www.lutron.com/TechnicalDocumentLibrary/NovaTB.pdf<br>See page13.  |
| LTEA2W            | Lutron Hi-lume 2-wire<br>(120V forward voltage only)    | <lutron></lutron>  | Visit http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf<br>for a list of compatible dimmer switches.   |

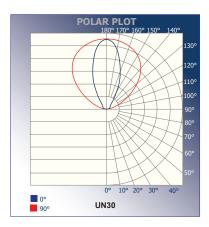
- 1. All devices connected to one FCJ/FCJS-ECO will be controlled together. Devices will dim to the same level as the result of a control command.

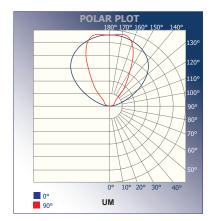
  For more detail on adjusting low-end light level refer to Application Note#556 at www.lutron.com.

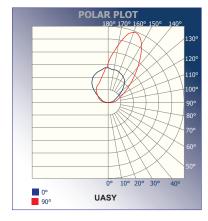
  2. For the Line/Hot (L/H) terminal on the driver, it is preferred not to use the switched hot (red) wire from the control but rather the hot wire directly from the power source.

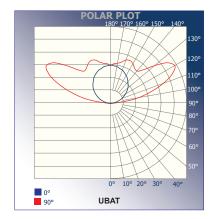
- 3. Recommended for EasySense System.

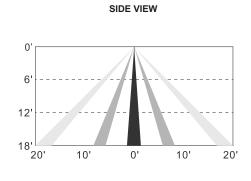


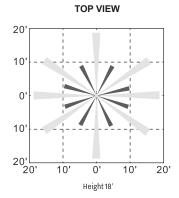












AMS, IFS105SE coverage pattern

