CUBE1+TW

Project Name:	
Type:	



APPLICATION

Tunable White technology can mimic the natural daylight to support Circadian Rhythm - the biological clock, innate in the human body affected by the color temperatures. Ability to adjust color temperature and the light source intensity can enhance synchronization of bodies and minds, essential to ensure maximum productivity during the course of the day.
This tunable technologies can provide the ultimate solution to optimize the needs from residential to commercial, healthcare, education, retails, entertainment, office, and more.

MOUNTING:

- Pendant, surface and wall mount.

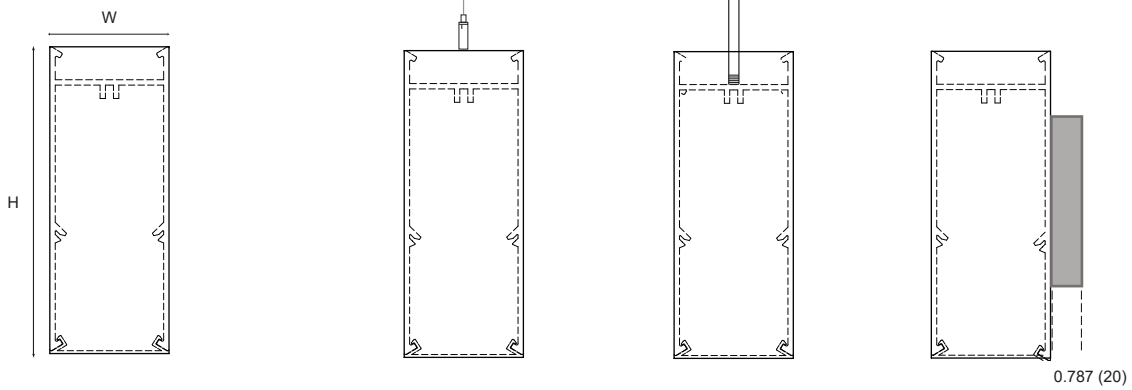
FEATURES:

- One piece extruded aluminum housing with die-cast aluminum end caps.
- Standard powder-coat textured white paint finish on exposed trim.
- One piece extruded snap-in polycarbonate lens up to 8' run.

LISTING:

- UL /cUL listed.
- Listed to UL 1598 and UL 8750
- UL listed for dry & damp location
- CEC Compliant EM (please contact for more information)
- ARRA compliant.
- Warranty:
  -265K & -275K : 5 years limited warranty.
  -3065K : 3 years limited warranty.
  Power source: 5 years limited warranty.

- MOUNTING DETAILS



AC Cable

Stem

Wall

Specifications: CUBE1

Width: 1.75 (44.5)
Height: 4.5 (114.3)

* All dimensions are in inches (millimeters).

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ARCHITECTURAL TUNABLE WHITE LINEAR

ORDERING INFORMATION * These custom products are non-cancellable, non-returnable, and non-refundable with the exception of manufacturer defects or damages.

EXAMPLE: *CUBE1-IND-4-D27L-U18L-265K-ED560*

MODEL	ROW [1]		SECTION [2]	
CUBE1-IND (Individual Mount) **CUBE1-CON** (Continuous Row Mount)	**xx'**	Specify nominal overall row length in 1' increments (Continuous runs)	**2** **3** **4** **6** **8**	2' Length 3' Length 4' Length 6' Length 8' Length [3]
CUBE1-SQ (Square)	**X'-Y'**	Specify dimension in inches. (Minimum required dimension is 2'-2') Must provide a sketch on the last page		
CUBE1-CM (Custom)	Must provide a sketch on the last page			

WIRED SOLUTION [5]

LED Downlight (per/4ft)		LED Uplight (per/4ft)		SYSTEM		CRI		LED DRIVER	
D9L	9W LED (312 lm/ft)	**(Blank)**	No Uplight	**-265K**	Tunable White 2000-6500K	**(Blank)**	80+ CRI	**ED560**	eldoLED LightShape DALI dim to dark, 0.1% ~ 100%
D18L	18W LED (624 lm/ft)	**U9L**	9W LED (312 lm/ft)	**-275K**	Tunable White 2700-5000K	**C9**	90+ CRI [12]	**MU050**	0-10V dual channel, 1% ~ 100%
D27L	27W LED (936 lm/ft)	**U18L**	18W LED (624 lm/ft)	**-CCK**	Tunable White custom CCT from 2000-6500K (Must specify the CCT range)			**DUAL010**	0-10V dual channel, 1% ~ 100% for use with DUALSWT-WH
D36L	36W LED (1248 lm/ft)	**U27L**	27W LED (936 lm/ft)					**PSQ02U**	T-Series 1% 2-channel tunable white driver
								V010V	Bridgelux VESTA 0-10V
								VDALI	Bridgelux VESTA Dali2 DT8

Dxx-Uxx: Custom lumen or Watt: ____ LM or ____ W
* Max up to D4992lm-U3744lm or D36W-U27W.

CONTROLS (OPTIONAL)	
(BLANK)	None
DUALSWT-WH	2-1 Dual wall switch,120v only, white finish [5]
	* Only available with MU050 or DUAL010.

WIRELESS SOLUTION [6]

LED Downlight		LED Uplight		SYSTEM		CRI		LED DRIVER		CONTROLS [5,6]	
DLO	Low output, 6 W/ft, 512 lm/ft	**(Blank)** **ULO**	No Uplight Low output, 6 W/ft, 512 lm/ft	**-3065K**	Tunable White 3000-6500K With wireless solution [4]	**(Blank)**	90+ CRI [12]	**CV24**	24VDC power supply	**MZ-TW**	4-zone RF remote, white finish
										BLT	Bluetooth / Smart-phone App
								2DMX	2-channel DMX512 decoder	**(Blank)**	None
D9L	9W LED (312 lm/ft)	**(Blank)**	No Uplight	**-265K**	Tunable White 2000-6500K	**(Blank)**	80+ CRI	**(Blank)**	Bridgelux VESTA	**VWSC**	Bridgelux VESTA Wisilica Bluetooth
D18L	18W LED (624 lm/ft)	**-9L**	9W LED (312 lm/ft)	**-275K**	Tunable White 2700-5000K	**C9**	90+ CRI [12]			**VWIZ**	Bridgelux VESTA WIZ-connected Wi-Fi
D27L	27W LED (936 lm/ft)	**-U18L**	18W LED (624 lm/ft)	**-CCK**	Tunable White custom CCT from 2000-6500K (Must specify the CCT range)					**VSVR**	Bridgelux VESTA Silvair Bluetooth Mesh
D36L	36W LED (1248 lm/ft)	**-U27L**	27W LED (936 lm/ft)							**VCAS**	Bridgelux VESTA Casambi Bluetooth Mesh

Dxx-Uxx: Custom lumen or Watt: ____ LM or ____ W
* Max up to D4992lm-U3744lm or D36W-U27W.

MOUNTING		VOLTAGE		FIXTURE FINISH		CORD FINISH (for pendnat)		CANOPY FINISH (for pendant)		CEILING TYPE (for pendant)	
(Blank)	Pendant	**UNV**	120-277V	**(Blank)**	Matte White RAL #9003 (Std.)	**(Blank)**	White (Std.)	**(Blank)**	White (Std.)	**X1**	15/16" grid T-bar ceiling
S	Ceiling Surface	**120**	120V	***BK**	Black RAL #9011	***BKC**	Black [8]	***BC**	Black Canopy	**X2**	Hard ceiling
W	Wall	**277**	277V	***SV**	Silver RAL #9022			***SC**	Silver Canopy	**X3**	Sloped Hard ceiling
				****CC**	Custom Color			***CSS**	Custom Canopy Color	**X4**	9/16" T-bar ceiling
				***CSS**	Custom Canopy Color (White is Std.)					**X5**	9/16" Screw Slot ceiling
				***AMB**	Anti-Microbial Coating (Matte Skye White)						

* Non-standard finish with extra charge.
** Additional charge & set up fee.

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SUSPENSION LENGTH (for pendant)		OPTIONS	
AC48	Adjustable Aircraft Cable Canopy 48"L	**EMG8**	8W EM Battery Backup [7, 9, 10]
AC96	Adjustable Aircraft Cable Canopy 96"L	**EMG15**	15W EM Battery Backup [7, 9, 10]
ST24	Stem Canopy 24"L	**EMG20**	20W EM Battery Backup [7, 9, 10]
ST48	Stem Canopy 48"L	**ELCU-200**	Fail-to-on Emergency lighting, UL924 [11]
		COC	Separated EM feed for City of Chicago code compliance Up and Down separate control
		UDSC	

- Contact factory for custom length. 1 pair (2 aircraft cables) standard for up to 8' length.
- Add "FC" at the end of stem length for field cuttable stem kit (ex) ST48FC))

NOTES:
1. Specify only when Continuous Row Mount.
2. No need to select, if same as row length and section length.
3. Comes with 1pc 8ft lens.
4. Custom wattage or lumen is not available.
5. Refer to Table1 to find more information.
6. Refer to Table2 to find more information.
7. EM is installed in the last 4' of luminaire sections. Separate section required & voltage must be specified.
8. Not available with the EM option.
9. Contact factory for other emergency ballast options.
10. With -2762K system: EM will operate on a fixed white LED.
11. Shipped separately.
12. Lumen per watt is approximately 15% fewer than CRI 80.

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WIRED SOLUTION (TABLE1)

SPECIFICATION CHART

	-265K	-275K
Tunable Range	2000 - 6500K	2700 - 5000K
Lumen Efficiency	2500 lm/ft (at 3500K), >115 lm/W	
CRI	80+ (90+ optional)	
Dimming	0.1% - 100%	
Color Consistency	3-step MacAdam binning	
Lumen Maintenance	> 50,000 hours	
Control Options	DALI (#ED560), 0-10V (#MU050), Lutron T-Series (#PSQ02U), V010, VDALI	
Warranty	5 years limited warranty	

COMPATIBLE DIMMER SWITCH CHART

Model #	Brand	Compatible Dimmer Switch	
ED560	eldoLED DUALdrive	<Lunatone>	SS-LUNAT PS2 30mA SS-LUNAT Touch or BT SS-LUNAT Comm
MU050	Moons Intelligent indoor	<Lutron>	Diva - DVTV-xx, DVSTV-xx
PSQ02U	Lutron	<Lutron>	Quantum System Network
V010V	Bridgelux	Industry standard 0-10V dimmer switch	
VDALI	Bridgelux	Industry standard DALI2 DT8 devices	

0-10V Control



V010V

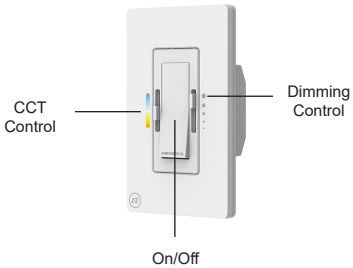
- 0-10V control protocol.
- Two channel control of color temperature and intensity.
- Compatible with industry standard 0-10V current sourcing or 10V current sinking wired control devices

DALI2 DT8 Control



VDALI

- DALI2 DT8 certified.
- Two channel control of color temperature and intensity.
- Compatible with industry standard DALI2 DT8 devices.
- Commission and manage lighting fi xtures via any DALI2 certified controller.



* Wall Plate included

DUALSWT-WH

Input	120VAC, ~60Hz
Max Load	500W
Dimming Curve	Linear, PWM
Compatibility	eldoLED DUALdrive, Moon's 0-10V Dual Series
Features	Field adjustable low-end trim, Built-in Relay
UL listed	UL 1472 / CSA C22.2 184.1
FCC	Class B Part 15

Tunable White

Dimmable

DIMMER
E507432

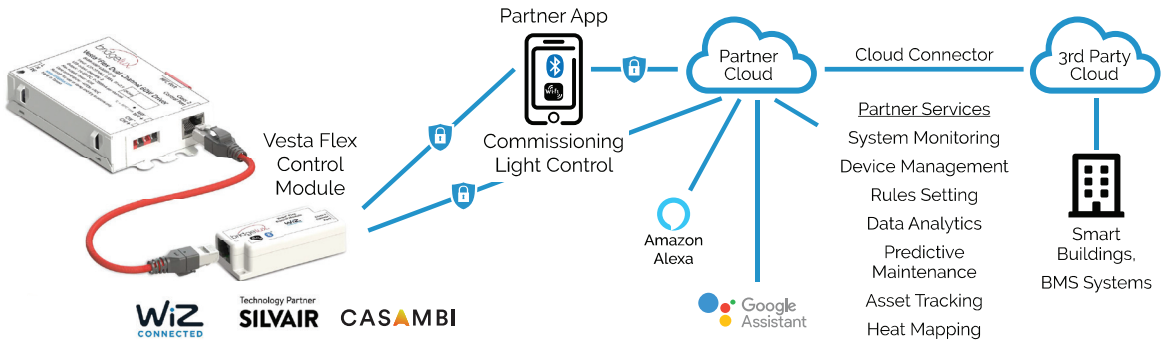
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WIRELESS SOLUTION (TABLE 2)

	-265K	-275K	-3065K
Tunable Range	2000 - 6500K	2700 - 5000K	3000 - 6500K
Lumen Efficiency	2500 lm/ft (at 3500K), >115 lm/W		512 lm/ft , up to 87.5 lm/W
CRI	80+		90+
Dimming	0.1% - 100%		PWM
Color Consistency	3-step MacAdam binning		-
Lumen Maintenance	> 50,000 hours		> 50,000 hours
Control Options	Bridgelux VESTA Bluetooth Mesh & Wi-Fi. Wisilica, WIZ, Silvair, Casambi		Wireless remote, Bluetooth (Smartphone / APP)
Warranty	5 years limited warranty		3 years limited warranty

-265K & -275K (CONTROLS)



WISILICA BLE Control



VWSC

- Connect lighting fixtures to an intelligent non-flooding BLE mesh network
- Commission and manage lighting fixtures via iOS and Android apps or web portal.
- Interoperates with beacons and sensors via BLE.
- Large ecosystem of compatible sensors, switches, gateways, 3rd party clouds.
- Cloud services such as system monitoring, device management, predictive maintenance, asset tracking, data analytics.

WiZ CONNECTED Wi-Fi Control



VWIZ

- Connect lighting fi xture to the internet via Wi-Fi; no hub needed.
- Interoperates with sensors via BLE.
- Commission and manage lighting fixtures via iOS and Android apps or web portal.
- Large ecosystem of compatible sensors, switches, gateways, cloud platform.
- Cloud services such as system monitoring, device management, predictive maintenance, asset tracking, data analytics.

Technology Partner SILVAIR BLE Control



VSVR

- Interoperability with standard BLE mesh lighting ecosystem.
- IOS app and web portal interface options.
- Seamless device commissioning.
- Rules setting and supervision, energy usage monitoring.
- Data gathering on usage, locations, users, time of day.
- Automation based on users and sensors.
- Ecosystem with sensors, switches.
- Firmware updates over the air.
- Customizable and integration-ready APIs.

CASAMBI BLE Control



VCAS

- Casambi proprietary Bluetooth Low Energy mesh protocol.
- IOS app and Android app interface options.
- Seamless device commissioning.
- Rules setting and supervision, predictive maintenance.
- Data gathering on usage, locations, users, time of day.
- Automation based on users and sensors.
- Firmware updates over the air.
- Customizable and integration-ready APIs.
- Ecosystem with sensors and switches, and luminaires.
- Multi level security.

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-3065K (CONTROLS)



WL-MZ-WH (Wireless Wall remote)

Dimensions	L 4.3” x W 2” x D 0.85”
Weight	0.1 lbs
Signal Type	RF (Radio Frequency) 2.4GHz
Zone	4 zone
Range	98ft from fixture
Working Temp.	-4ºF to 131ºF (-20ºC to 55ºC)
* Battery	2 x AAA battery

* Not included.

Smart Life **Tuya Smart**

BLT (Bluetooth / Smartphone App)

Bluetooth	
Software	IOS 8.0 and up, Android 4.4 and up
App	Smart Life or Tuya Smart supported
Features	Group, Scences
Bluetooth Distance	> 49ft in open area
Additional Feature	Home Management / Third party control -> Alexa, Google Assistant (by others)

2DMX



2DMX (2-channel DMX decoder)

Dimensions	L 7” x W 1.8” x D 1.2”
Output Current	8A / channel
Input Voltage	12-24V DC
Output Power	384W @ 24V
Frequency	PWM

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CUBE 1 LIT CONNECTOR PATTERNS

The lit connector system allows continuous illumination all the way through the corner section.

Instruction:
- Please provide sketches illustrating corner types, overall dimensions including corner dimensions, and locations required.
- HC90, TC, and XC connectors are 90 degree corners (overall, outside dimension).

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