

CUBE4-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.
- Recessed mount including T-bar, Screw slot and Drywall.

FINISH:

- Standard powder-coat textured white paint 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.
- CEC Compliant EM (please contact for more information).
- ARRA compliant.
- Warranty:
-265K & -275K : 5 years limited warranty.
Power source: 5 years limited warranty.

Athena



The Athena wireless node is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena control system.

Control Installed on the Fixture



AWN-R-WH
Athena wireless node (RF only)



AWN-S-WH
Athena wireless node (RF w/ sensor and daylight)



AWN-R-BK
Athena wireless node (RF only)



AWN-S-BK
Athena wireless node (RF w/ sensor and daylight)

- RF version: plenum rated and can be installed above the ceiling for wireless control of a fixture without any impact on fixture aesthetics. (standard provided integrated).
- Occ. sensor version: provides wireless control of the fixture and includes a passive infrared (PIR) sensor for occupancy and a daylight sensor.
- Should be installed within 25ft (7.62m) of two or more Athena wireless nodes or other Clear Connect - Type X devices.
- cULus Listed (UL916)
- Complies with requirements for use in other spaces used for environmental air (plenums) per NEC® 2014 300.22(C)(3)
- FCC compliant with the limits for a Class B digital device.
- IC (Industry Canada)
- ANSI C137.1 0-10 V Electronic Off
- D4i certified
- Radio Frequency for Wireless Communication: 2.4GHz
- Ambient operating temperature (immediate vicinity of Athena wireless node): 32°F to 131°F (0 °C to 55 °C), 0% to 90% humidity, non-condensing; indoor use only.
- 5 years limited warranty.

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: CUBE4-IND-4-D27L-275K-MU050

MODEL	ROW ¹	SECTION ²
CUBE4-IND (Individual Mount) CUBE4-CON (Continuous Row Mount)	xx' Specify nominal overall row length in 1' increments (Continuous runs)	2 2' Length 3 3' Length 4 4' Length 6 6' Length 8 8' Length ³
CUBE4-SQ (Square)	X'-Y' Specify dimension in inches. (Minimum required dimension is 2'-2") Must provide a sketch on the last page	
CUBE4-CM (Custom)	Must provide a sketch on the last page	

LED Downlight (per/4ft)	LED Uplight (per/4ft) ⁴	SYSTEM	CRI	MOUNTING
(Blank) D18L 18W LED (734 lm/ft) D27L 27W LED (924 lm/ft) D36L 36W LED (991 lm/ft) D48L 48W LED (1384 lm/ft) D54L 54W LED (1467 lm/ft)	(Blank) /U18L 18W LED (530 lm/ft) /U27L 27W LED (733 lm/ft)	-265K Tunable White 2000-6500K -275K Tunable White 2700-5000K -CCK Tunable White custom CCT from 2000-6500K (Must specify the CCT range)	(Blank) C9 80+ CRI 90+ CRI ⁶	(Blank) S Pendant CS Ceiling Surface W Wall G1 9/16", 15/16", 1" T-bar Ceiling Grid ⁷ SS Screw Slot Ceiling Grid FT Standard 1/2" Flange (Drywall) ^{8,9} SF Spackle Flange (Trimless) ^{8,9}

* Maximum wattage per 4ft section
- pendant/wall mount : 75W (up & down light)
* Contact factory for custom wattage or lumen requirement.

VOLTAGE	EM SECTION ⁵	FINISH	CORD FINISH (for pendant)	CANOPY FINISH (for pendant)	CEILING TYPE (for pendant)
UNV 120-277V 120 120V 277 277V	(Blank) 1SE None EM 2SE 1 Section xSE 2 Section x Section	(Blank) *BK Matte White RAL #9003 (Std.) *SV Black RAL #9011 **CC Silver RAL #9022 *CSS Custom Color Custom Canopy Color (White is Std.) *AMB Anti-Microbial Coating (Matte Skye White)	(Blank) *BKC White (Std.) Black	(Blank) *BC White (Std.) *SC Black Canopy **CSS Silver Canopy Custom Canopy Color (White is Std.)	X1 15/16" grid T-bar ceiling X2 Hard ceiling X3 Sloped Hard ceiling X4 9/16" T-bar ceiling

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

SUSPENSION LENGTH	LED DRIVER	LIGHTING CONTROL SYSTEM
AC48 Adjustable Aircraft Cable Canopy 48"L AC96 Adjustable Aircraft Cable Canopy 96"L ST24 Stem Canopy 24"L ST48 Stem Canopy 48"L	ED560 eldo LED LightShape DALI dim to dark, 0.1% ~ 100%	AWN-R-WH Lutron Athena wireless node integral fixture control (RF only), white AWN-R-BK Lutron Athena wireless node integral fixture control (RF only), black AWN-S-WH Lutron Athena wireless node integral fixture control (RF with daylight and occupancy sensing), white AWN-S-BK Lutron Athena wireless node integral fixture control (RF with daylight and occupancy sensing), black

OPTIONS	
HC90-11	90° Horizontal Lit Connector, 1'x1' ¹⁰
HC90-12	90° Horizontal Lit Connector, 1'x2' ¹⁰
HC90-21	90° Horizontal Lit Connector, 2'x1' ¹⁰
HC90-22	90° Horizontal Lit Connector, 2'x2' ¹⁰
HC135-22	135° Horizontal Lit Connector, 2'x2' ¹⁰
TC	T-Type Lit Connector ¹¹
XC	X-Type Lit Connector ¹²
CW90	Ceiling to Wall corner connector ¹⁶
EMG8	8W EM Battery Backup (CEC Compliant EM) ^{13,14}
EMG15	15W EM Battery Backup (CEC Compliant EM) ^{13,14}
EMG20	20W EM Battery Backup (CEC Compliant EM) ^{13,14}
EMG25	25W EM Battery Backup (CEC Compliant EM) ^{13,14}
DROP	1/2" drop lens
COC	Separated EM feed for City of Chicago code compliance
E1F	End feed on one end (pre-drilled hole for 1/2" fitting)
E2F	End feed on both end (pre-drilled hole for 1/2" fitting)
STB	Slip Through Bracket ¹⁵

NOTES:

- Specify only when Continuous Row Mount.
- No need to select, if same as row length and section length.
- Comes with 1pc 8ft lens.
- Pendant and wall mount only.
- EM is installed in last 4' of luminaire sections. Separate section required 2SE or specified.
- Lumen per watt is around 15% less than standard CRI (80+).
- Compatible with T-bar ceiling type.
- Requires STB as standard, select from Options.
- Compatible with hard ceiling type.
- Refer to a separate CUBE4-HC90 spec sheet for more information.
- Refer to a separate CUBE4-T spec sheet for more information.
- Refer to a separate CUBE4-X spec sheet for more information.
- Contact factory for other emergency ballast options.
- Can be remote mounted for 2/3ft length due to limited space. Remote box by others.
- Required for -FT and -SF mounting option.
- Only applicable for -FT and -SF mounting option.

CUBE4-TW

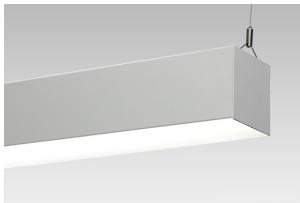
TUNABLE WHITE SOLUTION

SPECIFICATION CHART

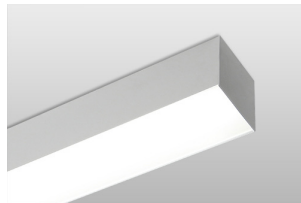
	-265K	-275K
Tunable Range	2000 - 6500K	2700 - 5000K
Lumen Efficiency	2500 lm/ft (at 3500K), >115 lm/W	
CRI	80+ (90+ optional)	
Dimming	0.1% - 100%	
Color Consistency	3-step MacAdam binning	
Lumen Maintenance	> 50,000 hours	
Control Options	DALI (#ED560)	
Warranty	5 years limited warranty	



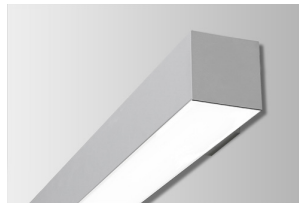
Athena
wireless node (shown RF version)



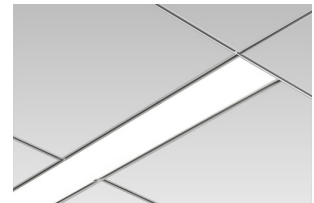
CABLE



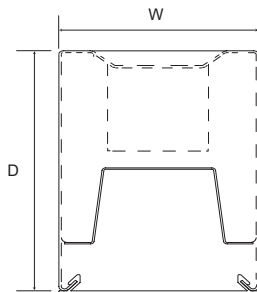
SURFACE



WALL



RECESSED



Specifications: CUBE4

Width: 4 (101)
Depth: 4 (101)

All dimensions are in inches (millimeters).

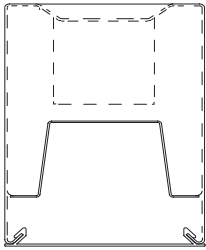
WEIGHT

Item	lbs	kg
CUBE 4 2FT PENDANT	8.36	3.79
CUBE 4 3FT PENDANT	10.95	4.97
CUBE 4 4FT PENDANT	13.70	6.22
CUBE 4 8FT PENDANT	24.97	11.33
CUBE 4 HC90 PENDANT	17.84	8.09
CUBE 4 X PENDANT	18.50	8.39
CUBE 4 T PENDANT	13.21	5.99

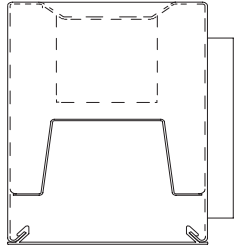
CUBE4-TW

- MOUNTING DETAILS

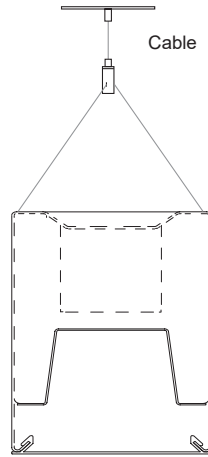
Surface



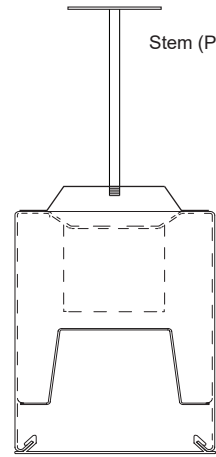
Wall



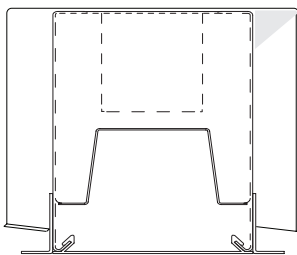
Cable



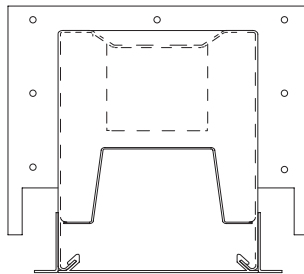
Stem (Pendent)



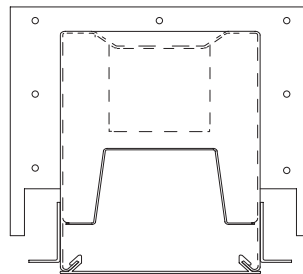
Drywall



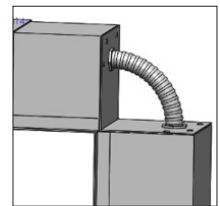
T-bar (G-1)



Screw Slot (SS)

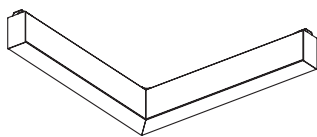


CW90



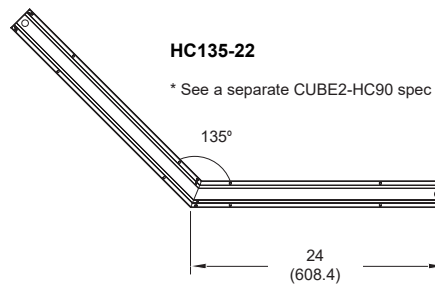
* See a separate CUBE4-Recessed spec sheet to find detail information.

- LIT CONNECTOR



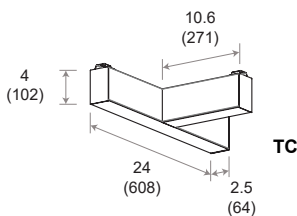
**HC90-11
HC90-12
HC90-21
HC90-22**

* See a separate CUBE2-HC90 spec sheet to find more information.

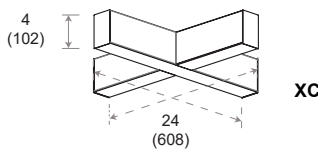


HC135-22

* See a separate CUBE2-HC90 spec sheet to find more information.



TC



XC

ARCHITECTURAL TUNABLE WHITE LINEAR

CUBE 4 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).

