Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	

Corelite

Continua™ SQ4 Connextions

LED
Suspended
Direct, Direct/Indirect, Indirect

Typical Applications

• Office • Education • Healthcare • Hospitality • Retail

Product Certification

Product Features

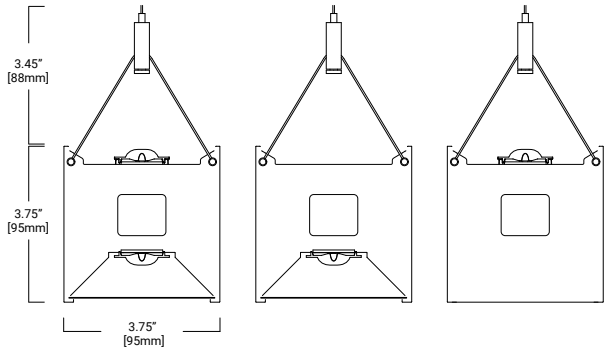
Interactive Menu

Top Product Features

- Modular building blocks of luminaires and connextions to create shapes and patterns.
- Seamless illumination with single-piece luminous roll lens
- 5 differentiated Perceive lenses in a seamless roll lens
- Black and white glare reducing louvered baffle options
- Precision indirect batwing optic for maximizing ceiling uniformity and on-center spacing
- Wide range of direct/indirect distributions plus independent up/down circuiting
- Up to 147 lumens per watt Direct-Indirect, 164 lumens per watt Indirect
- Options to meet Buy American Act requirements
- BioUp melanopic lighting options for 30% circadian boost and earn WELL Building Standard points
- Options to meet Build America, Buy America, Buy American and other domestic preference requirements

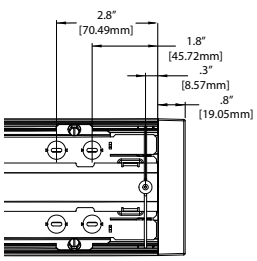
Dimensions

Cross Section Views

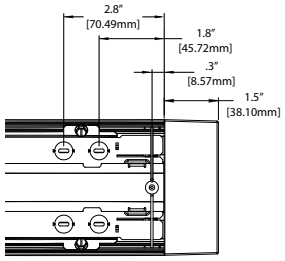


Direct/Indirect Direct Indirect

Top Views



Standard End Cap



Sensor End Cap

Bottom Views

24" [610mm]

48" [1219mm]

72" [1829mm]

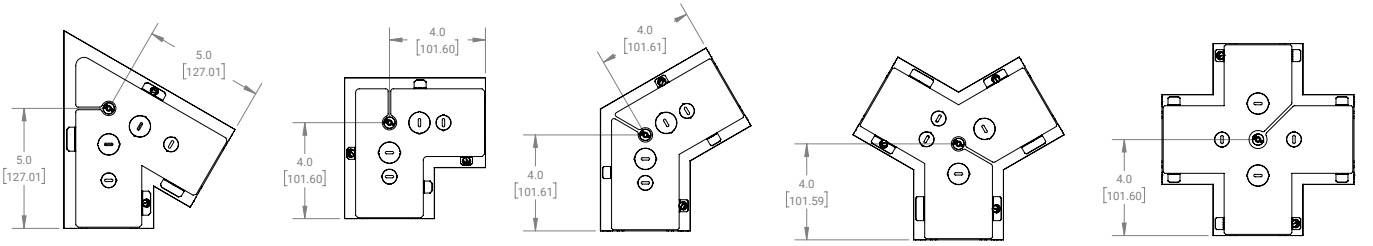
96" [2438mm]

144" [3658mm]

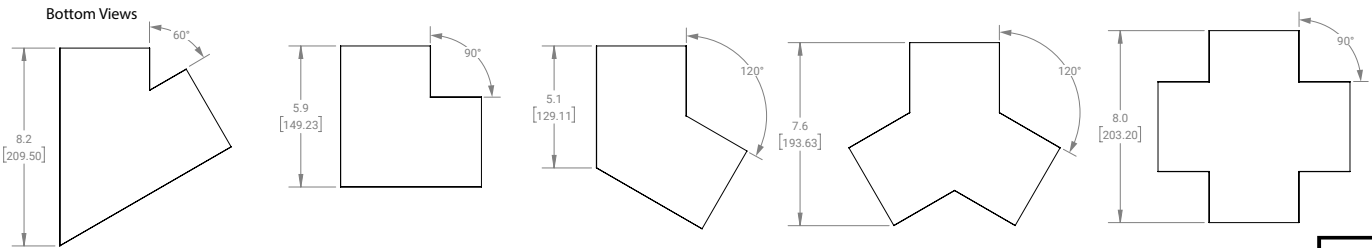
Note: End caps add .75" at each end. Sensor end caps add 1.5".

Connextion Joints

Top Views



Bottom Views



Product Specifications

Construction
- Single-piece extruded aluminum housing
- 3.75" x 3.75" square profile
- Die-formed 20 gauge cold rolled steel LED tray
- Driver accessible from above while fixture is suspended
- Extruded aluminum Corners and Hub

End Caps
- Die cast aluminum end caps allow for expansion of roll lens to eliminate light leak
- Attach mechanically to the end of the fixture without exposed fasteners
- Standard end cap adds 0.75" at each end. Integrated sensor end cap adds 1.5" at each end

Lengths
- Available in 2-ft, 4-ft, 6-ft, 8-ft, and 12-ft sections
- Modular design eliminates the need for starter, intermediate, and end of run sections

Finish
- Electrostatically applied polyester powder coat paint
- White, silver, and black finishes are standard.
- RAL custom colors are available

Mounting
- Standard mounting locations are at the Corner and Hub Connextions. See dimensions diagrams for mounting point location from ends.
- Aircraft cable mounts (fixture to fixture) on 2'-0", 4'-0", 6'-0", 8'-0", or 12'-0" centers, equal to the respective unit length
- Can also be adjusted along the length of the fixture to match existing mounting points
- Minimum suspension height from ceiling to top of fixture is 5". Recommended 18"+ for best ceiling uniformity.
- Fixture is balanced to allow for minimal leveling
- All sections are continuously wired with push-in connectors for fast installation
- Fixtures, Corners, and Hubs can be joined for straight continuous runs using supplied alignment brackets and internal cast joiners
- Refer to installation instructions for various ceiling interface details

Shielding
- **F:** Frosted continuous flexible roll lens creates seamless illumination along entire row length. Single piece roll lens up to 100 ft.
- **BB**(Black) and **WB**(White): Injection molded louvered baffles with 1.5" openings for glare management and frosted glare control diffuser to shield direct view of LEDs and lower UGR values and improve visual comfort.
- **PC3, PP3, PW1, PR1, PH1**: Proprietary Perceive™ optical system enables dynamic visual depth on a flat surface while providing glare-reducing performance with comfortable, high-quality illumination. Perceive continuous flexible roll lens creates seamless illumination along entire row length. Single piece roll lens up to 100 ft.

Optics
- Precision engineered acrylic TIR optics on upper and lower LED light engines for optimal light distribution and uniformity
- 112.5˚ peak candela angle

LED and Light Engine
- LEDs are available in 3000K, 3500K, 4000K
- CRI options of either ≥80CRI or ≥90CRI
- Lumen output will be affected - please refer to the lumen adjustment factor tables
- TM21 life at 60,000 hours up to L84 and calculated L70 exceeds 121,000 hrs.
- Drivers available in 120-277V and 347V

Integrated Controls
- 0-10V dimming to 1% standard
- WaveLinx sensor compatible for IoT capability
- DALI 2.0 and Lutron dimming available

Emergency Options
- Emergency circuit option operates entire downlight portion of a specified unit (4 ft, 6 ft, 8 ft, or 12 ft)
- Optional 6-watt 120-277V integral emergency battery illuminates a 4 ft. down-light section
- 90-minute backup period for code compliance
- Test switch/indicator button located on the top side of the luminaire
- For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 6 = 600 lumens)
- Battery is self-testing
- UL 924 emergency/generator transfer options available

Weight
- 3.5 lbs. per foot

Compliance
- cULus listed for damp locations
- Tested to IESNA LM-79 and LM-80
- RoHS compliant
- Stated life per TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire
- DesignLights Consortium® Qualified and classified for DLC Standard and DLC Premium (refer to www.designlights.org)

BABA Domestic Preference Compliance
- FHWA and FTA agencies are utilizing their BAA rules for BABA compliance. Cooper's products with a BAA designation are manufactured in the US and meet the BABA defined cost of components rule. To verify a configured product with specific accessories and options meet BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. Domestic preference options to meet BAA, TAA or BABA requirements. BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyze under domestic preference requirements.

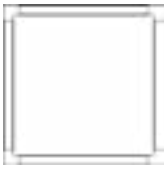
Warranty
- Five year warranty standard www.cooperlighting.com/legal

Order Information - Pre-defined Shapes & Hub-Spokes Patterns

SAMPLE ORDER NUMBER: **BABA-SQ4-S4-F-025U/075D-835-1D-UNV-STD-WPS-BSL6-W-AC48-T1**

Domestic Preferences	Series	Pre-defined Pattern	Unit Length	Shielding	Lumen package Up (Lms/ft)	Lumen Package Down (Lms/ft)	CRI/CCT
[Blank]=Standard **BAA**=Buy American Act **BABA**=Build America Buy America Act	**SQ4**= Continua SQ 4" Suspended Direct/Indirect	**S**=Square **T**=Triangle **H**=Hexagon **Y**=3-Way Hub-Spoke **X**=4-Way Hub-Spoke **L**=2-Way, 90 degree L **A**=2-Way, 60 degree V **V**=2-Way, 120 degree V	**2**=2ft **4**=4ft **6**=6ft **8**=8ft **12**=12ft	**F**=Frosted Continuous Roll Lens **BB**=Black Baffle, Frosted Diffuser **WB**=White Baffle, Frosted Diffuser **PC3**=Perceive PARAmid **PP3**=Perceive Prism **PW1**=Perceive Waves **PR1**=Perceive Ripple **PH1**=Perceive Honeycomb **[Blank]**=Indirect Only	**0U**=No Uplight **025U**=250 Lumens/ft Up **050U**=500 Lumens/ft Up **075U**=750 Lumens/ft Up **100U**=1000 Lumens/ft Up **125U**=1250 Lumens/ft Up **150U**=1500 Lumens/ft Up **____U**=Specify **	**0D**=No Downlight **050D**=500 Lumens/ft Down **075D**=750 Lumens/ft Down **100D**=1000 Lumens/ft Down **125D**=1250 Lumens/ft Down **____D**=Specify **	**830**=3000K, 80CRI **835**=3500K, 80CRI **840**=4000K, 80CRI **930**=3000K, 90CRI **935**=3500K, 90CRI **940**=4000K, 90CRI **93050**=White Tuning 3000K-5000K **92765**=White Tuning 2700K-6500K **B35**=BioUp Static 3500K **B40**=BioUp Static 4000K **B50**=BioUp Static 5000K **B2750**=BioUp Tunable White 2700K-5000K
Notes (1) Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.	**Notes**	**Notes**	**Notes** 2ft not available with integral sensors or emergency Mixed lengths in pattern must be done through Build Your Own Patterns and online pattern configurator tool.	**Notes** **F, PC3, PP3, PW1, PR1, PH1:** Single piece lens supplied up to 100-ft.	**Notes** Custom lumen output available. Up (Indirect): Min = 250 Lms/ft (025U) Max = 1800 Lms/ft (180U) ** Consult factory to specify custom lumen package Custom lumens are specified to the nearest 10 lms/ft. Not all lumen packages are available for every configuration. See Driver Availability tables for more details.	**Notes** Custom lumen output available. Down (Direct): Min = 200 Lms/ft (020D) Max = 1900 Lms/ft (190D) ** Consult factory to specify custom lumen package Custom lumens are specified to the nearest 10 lms/ft. Not all lumen packages are available for every configuration. See Driver Availability tables for more details.	**Notes** 2700K may require additional leadtime, please consult factory. Tunable White is 90CRI standard to be used with W2A driver only. Must be used with two (2) 10V dimming control channels, CCT, 1 intensity. BioUp Static to be used with STD driver. BioUp white tuning provides correlated color temperatures (CCT) between 2700K (warm) to 5000K (cool). Must be used with W2A or W2D driver.

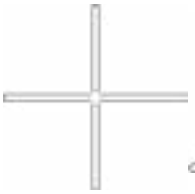
Circuiting (In Cross Section)	Specialty Wiring	Voltage	Driver/Dimming	Integral Sensor Options	Integral Emergency Device Options	Finish	Suspension Type	Ceiling Type
1=Single Circuit **2**=Dual Circuit (Ind. Up/Down Circuits)	**D**=None (Default Dimming)	**UNV**=Univeral (120V-277V) **347**=347V	**STD**=Standard 0-10V (1%-100%) **5LT**=Fifth Light DALI (1%-5%) **LH**=Lutron HiLume 1% EcoSystems (LDE1) **W2A**=Tunable White, 2ch, 0-10V Intensity and CCT Control **W2D**=Tunable White, DALI Type 8 (1%-100%)	**[Blank]**=No Sensor **WLS (formerly WAB)**=WaveLinx LITE Wireless Sensor, Occupancy w/ photocell, Independent & Networked (19), (B) **WPS (formerly WAA)**=WaveLinx PRO Wireless Sensor, Occupancy w/ photocell, Networked (18), (A)	**BSL6**=Bodine 6-watt, 120V-277V Emergency Battery Pack, Self Diagnostic, BSL6LST **EPC**=LVS Controls EPC UL924 Bypass Relay	**W**=White **S**=Silver **B**=Black **CC**=Custom Color	**AC48**=48" Aircraft cable **AC120**=120" Aircraft cable **AC240**=240" Aircraft cable **AC360** = 360" Aircraft cable	**T1**=15/16" T-Bar **T9**=9/16" T-Bar **TS**=Slotted T-Bar **JB**=Junction Box / Structure **UM**=Universal Ceiling Kit (T1, T9, JB) **__S**=Swivel at Canopy (__ = T1, T9, TS or JB)
Notes Refers to wiring in cross section. Dual circuit not available with integrated sensor.	**Notes** Emergency circuiting can be specified with Build Your Own Patterns and online pattern configurator tool.	**Notes** Integral 347V driver with STD 0-10V option only.	**Notes** Not all driver options are available for every configuration. See Driver Availability tables for more details. W2A used with two (2) 10V dimming control channels - color and intensity. May be combined with WaveLinx. W2D for use with BioUp options only. Tunable White CCT between 2700K and 5000K. Must be used with DALI controls; one address to control two channels - intensity and CCT.	**Notes** WPS and WLS sensor must be used with "STD" driver. Integrated Sensor with Emergency circuit "E" requires the EPC option. (18) WPS sensor to be used with STD or W2A driver. (19) WLS sensor to be used with STD driver. Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx PRO system pages for additional details and compatibility. (B) Consult WaveLinx LITE system pages for additional details and compatibility.	**Notes** EPC option used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). Battery operates entire downlight portion of 4ft, 6ft fixtures and 4ft sections of 8ft and 12ft.	**Notes** **CC**=must denote RAL color number	**Notes** Please refer to ceiling interface diagrams for additional detail and dimensions.	**Notes** UM mounting accomodates 15/16" Grid, 9/16" Grid, 4" Octagonal J-Box, and Structure - Adder applies. White mounting hardware standard. For black mounting hardware, add "-B" after ceiling type. (e.g. T1-B).



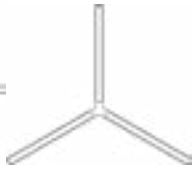
SQ4-S2, S4, S6, S8, S12

SQ4-T2, T4, T6, T8, T12

SQ4-H2, H4, H6, H8, H12



SQ4-X2, X4, X6, X8, X12



SQ4-Y2, Y4, Y6, Y8, Y12

SQ4-L2, L4, L6, L8, L12

SQ4-V2, V4, V6, V8, V12

SQ4-A2, A4, A6, A8, A12

Order Information - Build Your Own Patterns

SAMPLE ORDER NUMBER: **BABA-SQ4P-F-025U/075D-835-1D-UNV-STD-WPS-BSL6-W-AC48-T1-32**

Domestic Preferences	Series	Shielding	Lumen package Up (Lms/ft)	Lumen Package Down (Lms/ft)	CRI/CCT	Circuiting (In Cross Section)	Specialty Wiring
[Blank]=Standard **BAA**=Buy American Act **BABA**=Build America Buy America Act	**SQ4P**= Continua SQ 4" Suspended Direct/Indirect Pattern	**F**=Frosted Continuous Roll Lens **BB**=Black Baffle, Frosted Diffuser **WB**=White Baffle, Frosted Diffuser **PC3**=Perceive PARAmid **PP3**=Perceive Prism **PW1**=Perceive Waves **PR1**=Perceive Ripple **PH1**=Perceive Honeycomb **[Blank]**=Indirect Only	**0U**=No Uplight **025U**=250 Lumens/ft Up **050U**=500 Lumens/ft Up **075U**=750 Lumens/ft Up **100U**=1000 Lumens/ft Up **125U**=1250 Lumens/ft Up **150U**=1500 Lumens/ft Up **____U**=Specify **	**0D**=No Downlight **050D**=500 Lumens/ft Down **075D**=750 Lumens/ft Down **100D**=1000 Lumens/ft Down **125D**=1250 Lumens/ft Down **____D**=Specify **	**830**=3000K, 80CRI **835**=3500K, 80CRI **840**=4000K, 80CRI **930**=3000K, 90CRI **935**=3500K, 90CRI **940**=4000K, 90CRI **93050**=White Tuning 3000K-5000K **92765**=White Tuning 2700K-6500K **B35**=BioUp Static 3500K **B40**=BioUp Static 4000K **B50**=BioUp Static 5000K **B2750**=BioUp Tunable White 2700K-5000K	**1**=Single Circuit **2**=Dual Circuit (Ind. Up/Down Circuits)	**D**=None (Default Dimming) **E**=Emergency Circuit **S**=Secondary Circuit **N**=Secondary + Emergency Circuit
Notes (1) Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.	**Notes**	**Notes** **F, PC3, PP3, PW1, PR1, PH1:** Single piece lens supplied up to 100-ft.	**Notes** Custom lumen output available. Up (Indirect): Min = 250 Lms/ft Max = 1800 Lms/ft ** Consult factory to specify custom lumen package Not all lumen packages are available for every configuration. See Driver Availability tables for more details.	**Notes** Custom lumen output available. Down (Direct): Min = 200 Lms/ft Max = 1900 Lms/ft Consult factory to specify custom lumen package Not all lumen packages are available for every configuration. See Driver Availability tables for more details.	**Notes** Tunable White is 90CRI standard to be used with W2A driver only. Must be used with two (2) 10V dimming control channels, CCT, 1 intensity. BioUp Static to be used with STD driver. BioUp white tuning provides correlated color temperatures (CCT) between 2700K (warm) to 5000K (cool). Must be used with W2A or W2D driver.	**Notes** Refers to wiring in cross section. Dual circuit not available with secondary circuit or integrated sensor.	**Notes** Emergency and Secondary circuit section wiring are configured per unit (4ft, 6ft, 8ft, or 12ft). Emergency circuit option operates entire downlight portion of a specified unit.

Voltage	Driver/Dimming	Integral Sensor Options	Integral Emergency Device Options	Finish	Suspension Type	Ceiling Type	Total Pattern-Length
UNV=Univeral (120V-277V) **347**=347V	**STD**=Standard 0-10V (1%-100%) **5LT**=Fifth Light DALI (1%-5%) **LH**=Lutron HiLume 1% EcoSystems (LDE1) **L5**=Lutron 5-Series 5% EcoSystems (LDE5) **W2A**=White Tuning, 2ch, 0-10V Intensity and CCT Control **W2D**=Tunable White, DALI Type 8 (1%-100%)	**[Blank]**=No Sensor **WLS (formerly WAB)**=WaveLinx LITE Wireless Sensor, Occupancy w/ photocell, Independent & Networked (19), (B) **WPS (formerly WAA)**=WaveLinx PRO Wireless Sensor, Occupancy w/ photocell, Networked (18), (A) **WLN**=WaveLinx LITE Wireless Control Node, without sensor (19), (B) **WPN**=WaveLinx PRO Wireless Control Node, without sensor (18), (A)	**BSL6**=Bodine 6-watt, 120V-277V Emergency Battery Pack, Self-Diagnostic, BSL6LST **EPC**=LVS Controls EPC UL924 Bypass Relay	**W**=White **S**=Silver **B**=Black **CC**=Custom Color	**AC48**=48" Aircraft cable **AC120**=120" Aircraft cable **AC240**=240" Aircraft cable **AC360** = 360" Aircraft cable	**T1**=15/16" T-Bar **T9**=9/16" T-Bar **TS**=Slotted T-Bar **JB**=Junction Box / Structure **UM**=Universal Ceiling Kit (T1, T9, JB) **__S**=Swivel at Canopy (__ = T1, T9, TS or JB)	**XX**=Specify Total Pattern Length
Notes Integral 347V driver with STD 0-10V option only.	**Notes** Not all driver options are available for every configuration. See Driver Availability tables for more details. W2A used with two (2) 10V dimming control channels - color and intensity. May be combined with WaveLinx. W2D for use with BioUp options only. White tuning CCT between 2700K and 5000K. Must be used with DALI controls; one address to control two channels - intensity and CCT.	**Notes** WPS and WLS sensor must be used with "STD" driver. Integrated Sensor with Emergency circuit "E" requires the EPC option. (18) WPS sensor and WPN node to be used with STD or W2A driver. (19) WLS sensor and WLN node to be used with STD driver. Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx PRO system pages for additional details and compatibility. (B) Consult WaveLinx LITE system pages for additional details and compatibility.	**Notes** EPC option used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). Battery operates entire downlight portion of 4ft, 6ft fixtures and 4ft sections of 8ft and 12ft.	**Notes** **CC**=must denote RAL color number	**Notes** Please refer to ceiling interface diagrams for additional detail and dimensions.	**Notes** UM mounting accomodates 15/16" Grid, 9/16" Grid, 4" Octagonal J-Box, and Structure - Adder applies. White mounting hardware standard. For black mounting hardware, add "-B" after ceiling type. (e.g. T1-B).	**Notes** Total pattern length includes sum of all fixture unit lengths.

Order Information - Build Your Own Patterns (Connextion Joint Accessories)

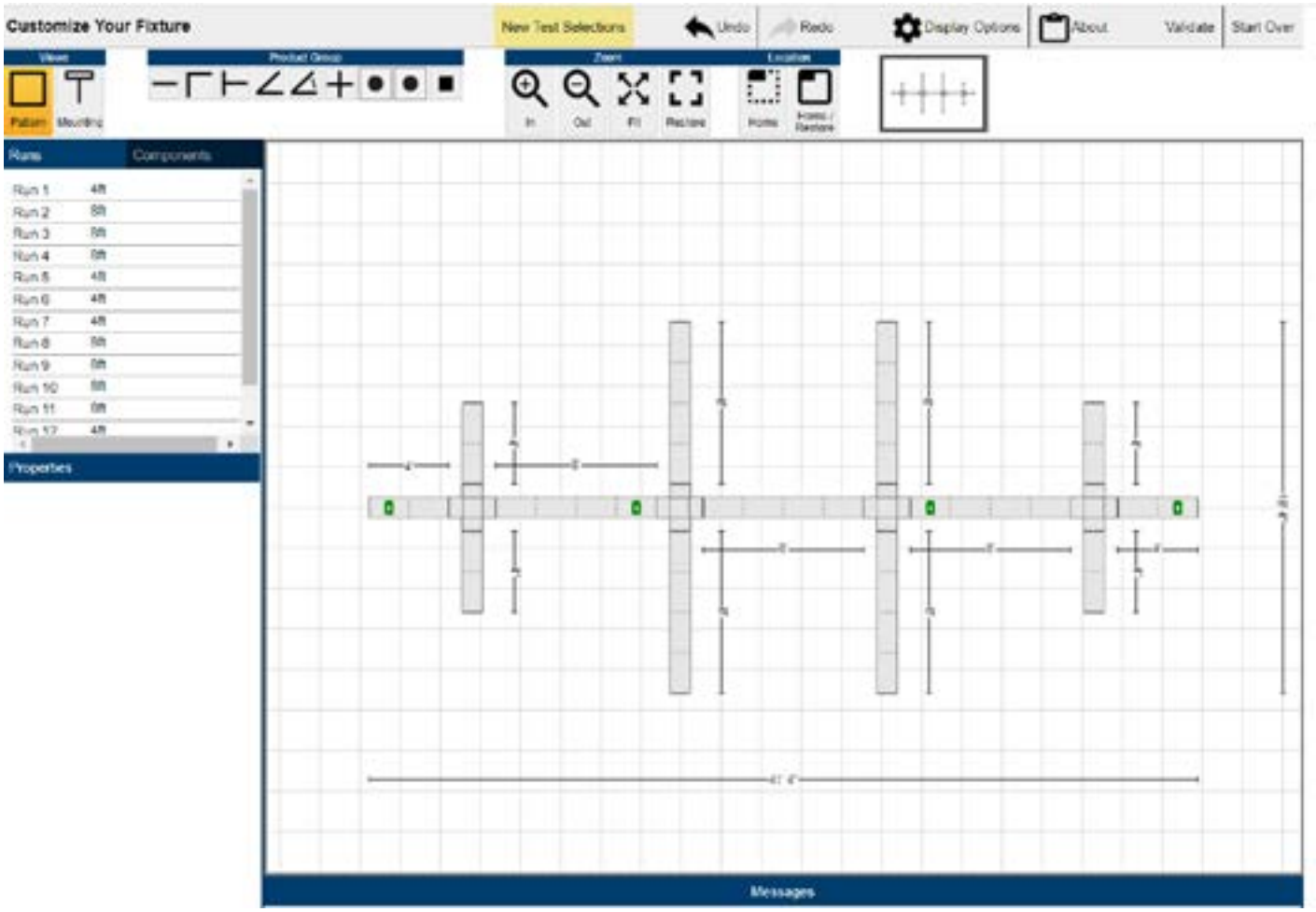
SAMPLE ORDER NUMBER: **BABA-JOINT-SQ4-HUB3-WPS-W**

Domestic Preferences	Series	Connection	Finish
[Blank]=Standard **BAA**=Buy American Act **BABA**=Build America Buy America Act	**JOINT-SQ4**= Connextion Joint for Continua SQ 4" Suspended Direct/Indirect	**60DEG**=60 Degree Corner **90DEG**=60 Degree Corner **120DEG**=60 Degree Corner **HUB3**=3-Way Hub (120 Degree Y) **HUB4**=4-Way Hub (90 Degree Cross)	**W**=White **S**=Silver **B**=Black **CC**=Custom Color
Notes (1) Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.	**Notes**	**Notes** **Custom corners and hubs may be available. Consult factory.**	**Notes** **CC**=must denote RAL color number

Order Information - Build-Your-Own Pattern - Online Pattern Configurator Tool

Coming Soon!

Online Pattern Configurator Tool



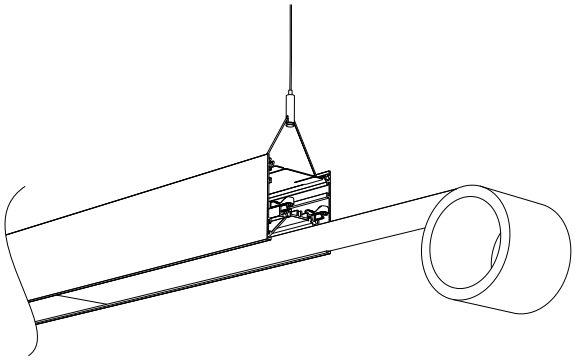
Example Order:

Build-your-own Pattern:

Parent:
SQ4P-F-025/075-835-1D-UNV-STD-BSL6-W-AC48-T1-80

Children:
QTY 5 - SQ4-F-025/075-835-1D-UNV-STD-W-08DD-B
QTY 2 - SQ4-F-025/075-835-1D-UNV-STD-BSL6-W-08DB-B
QTY 4 - SQ4-F-025/075-835-1D-UNV-STD-W-04D-B
QTY 2 - SQ4-F-025/075-835-1D-UNV-STD-BLS6-W-04B-B
QTY 4 - JOINT-SQ4-HUB4-W
QTY 1 - C048-T1-025G
QTY 1 - C048-T1-013G
QTY 2 - A048-T1-01G
QTY 10 - A048-T1-01E

Continuous Lens



Adjustable Mounting

Shielding & Finish Options

F-W
Frosted Continuous Lens,
White Fixture Finish

F-W
Frosted Continuous Lens
Black Fixture Finish

F-W
Frosted Continuous Lens
Silver Fixture Finish

BB-B
Black Baffle
Black Fixture Finish

BB-W
Black Baffle
White Fixture Finish

WB-W
White Baffle
White Fixture Finish

WB-B
White Baffle
Black Fixture Finish

PC3-W
Perceive PARAmid Lens
White Fixture Finish

PP3-W
Perceive Prism Lens
White Fixture Finish

PW1-W
Perceive Waves Lens
White Fixture Finish

PR1-W
Perceive Ripple Lens
White Fixture Finish

PH1-W
Perceive Honeycomb Lens
White Fixture Finish

PC3-B
Perceive PARAmid Lens
Black Fixture Finish

PP3-B
Perceive Prism Lens
Black Fixture Finish

PW1-B
Perceive Waves Lens
Black Fixture Finish

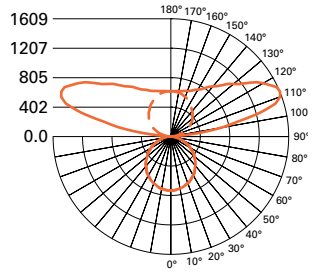
PR1-B
Perceive Ripple Lens
Black Fixture Finish

PH1-B
Perceive Honeycomb Lens
Black Fixture Finish

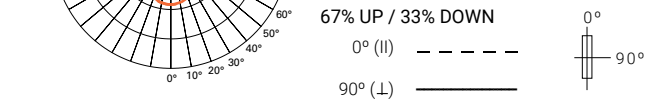
Note: All Finish and Shielding combinations are available. Not all are shown. Custom color housing finishes are also available.

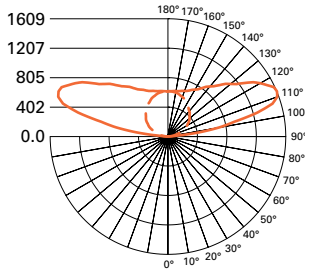
Photometric Data

View IES files

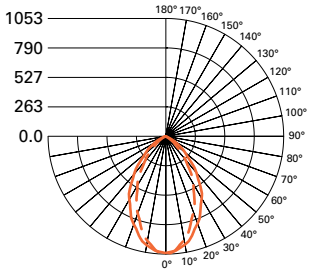


FILE NAME:
SQ4-F-100U-050D-835-1D-UNV-STD-W-4.ies
CCT/CRI: 3500K / 80 CRI
LUMENS: 6028 Lm
WATTS: 41.3 W
EFFICACY: 146 Lm/W
TEST NO.: P520176
67% UP / 33% DOWN

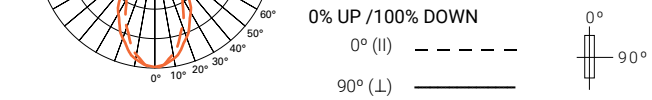


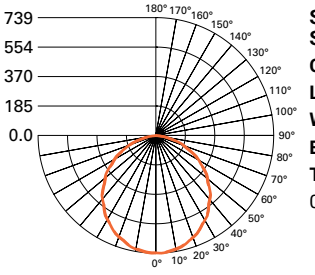


FILE NAME:
SQ4-100U-0D-835-1D-UNV-STD-W-4.ies
CCT/CRI: 3500K / 80 CRI
LUMENS: 4016 Lm
WATTS: 25.1 W
EFFICACY: 160 Lm/W
TEST NO.: P519720
100% UP / 0% DOWN

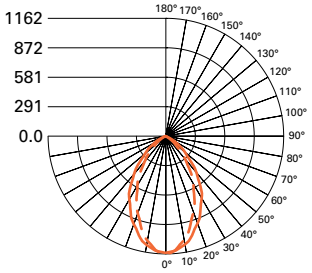


FILE NAME:
SQ4-BB-0U-050D-835-1D-UNV-STD-W-4.ies
CCT/CRI: 3500K / 80 CRI
LUMENS: 1253 Lm
WATTS: 16.2 W
EFFICACY: 77.4 Lm/W
TEST NO.: P518592
0% UP /100% DOWN

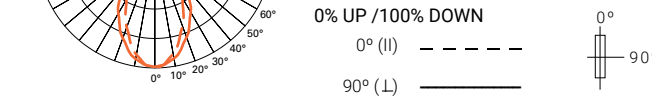


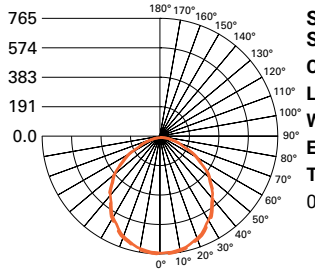


FILE NAME:
SQ4-F-0U-050D-835-1D-UNV-STD-W-4.ies
CCT: 3500K / 80 CRI
LUMENS: 2010 Lm
WATTS: 16.2 W
EFFICACY: 124.1 Lm/W
TEST NO.: P520080
0% UP /100% DOWN



FILE NAME:
SQ4-WB-0U-050D-835-1D-UNV-STD-W-4.ies
CCT/CRI: 3500K / 80 CRI
LUMENS: 1688 Lm
WATTS: 16.2 W
EFFICACY: 104.2 Lm/W
TEST NO.: P519264
0% UP /100% DOWN





FILE NAME:
SQ4-PP3-0U-050D-835-1D-UNV-STD-W-4.ies
CCT/CRI: 3500K / 80 CRI
LUMENS: 1945 Lm
WATTS: 16.2 W
EFFICACY: 120.1 Lm/W
TEST NO.: P523240
0% UP /100% DOWN

Note: Refer to IES files for more product data.

Lumen Maintenance

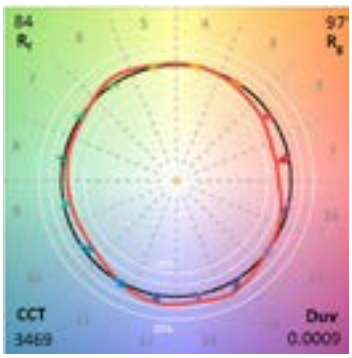
Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours) (1)	Theoretical L70 (Hours) (2)
25°C	>84%	121,000

Notes: (1) Supported by IES TM-21 standards. (2) Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, that explains proper use of IES TM-21 and LM-80.

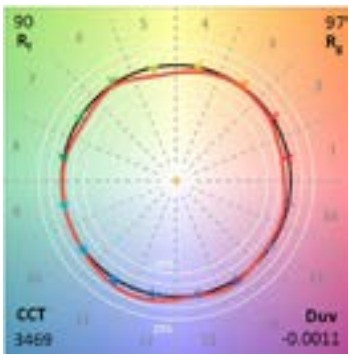
Color Data (3500K)

		80CRI	90CRI
TM-30-15	R_f	84	89.7
	R_g	97.2	97.2
CRI/CIE	R_a	83.4	94.3
	R_9	10.9	61.7

80CRI



90CRI



Energy and Performance Data - Frosted Lens and Indirect

Continua SQ4 Suspended Performance (3500K)							Glare	
Lumen Package	Lumens/ft Up	Lumens/ft Down	Lumens/ft Total	W/ft Total	Lm/W	Distribution (up%/down%)	UGR (1-2)(4-6)	MAX LUMINANCE (3-6)
0U-050D	0	499	499	4.0	124	0%/100%	22.3	6202
0U-075D	0	744	744	6.0	123	0%/100%	23.6	9167
0U-100D	0	983	983	8.2	120	0%/100%	24.6	12204
0U-125D	0	1259	1259	10.9	115	0%/100%	25.5	15513
025U-050D	242	499	741	5.5	135	33%/67%	19.8	6202
025U-075D	242	744	985	7.5	131	25%/75%	21.8	9167
025U-100D	242	983	1224	9.6	127	20%/80%	23.1	12204
025U-125D	242	1259	1500	12.4	121	16%/84%	24.2	15513
050U-050D	498	499	998	7.1	141	50%/50%	18.3	6202
050U-075D	498	744	1242	9.1	136	40%/60%	20.5	9167
050U-100D	498	983	1481	11.2	132	34%/66%	22	12204
050U-125D	498	1259	1757	14.0	125	28%/72%	23.3	15513
075U-050D	749	499	1248	8.6	144	60%/40%	17.2	6202
075U-075D	749	744	1492	10.7	140	50%/50%	19.6	9167
075U-100D	749	983	1731	12.8	135	43%/57%	21.2	12204
075U-125D	749	1259	2007	15.6	129	37%/63%	22.5	15513
100U-050D	1005	499	1504	10.3	146	67%/33%	16.4	6202
100U-075D	1005	744	1748	12.3	142	57%/43%	18.8	9167
100U-100D	1005	983	1987	14.4	138	51%/49%	20.5	12204
100U-125D	1005	1259	2263	17.2	132	44%/56%	21.9	15513
125U-050D	1251	499	1750	11.9	147	71%/29%	15.8	6202
125U-075D	1251	744	1994	14.0	143	63%/37%	18.2	9167
125U-100D	1251	983	2233	16.1	139	56%/44%	20	12204
125U-125D	1251	1259	2509	18.9	133	50%/50%	21.4	15513
150U-050D	1507	499	2006	13.9	144	75%/25%	15.2	6202
150U-075D	1507	744	2251	15.9	141	67%/33%	17.7	9167
150U-100D	1507	983	2490	18.0	138	61%/39%	19.5	12204
150U-125D	1507	1259	2766	20.8	133	54%/46%	21	15513
025U-0D	242	0	242	1.5	163	100%/0%		
050U-0D	498	0	498	3.1	162	100%/0%		
075U-0D	749	0	749	4.6	162	100%/0%		
100U-0D	1005	0	1005	6.3	160	100%/0%		
125U-0D	1251	0	1251	7.9	158	100%/0%		
150U-0D	1507	0	1507	9.9	153	100%/0%		

KEY:

	Meets WELL v2
TEXT	Meets LEED v4.1

Notes:
(1) UGR values per CIE 190:2010 with 4H, 8H, Reflectance: 70% Ceiling, 50% Wall, 20% Ref. Plane
(2)For other UGR data for room or reflective ceiling plans please see technical data on website.
(3) Luminance measured at 45-90 degrees from nadir.
(4) UGR and Luminance values that meet WELL v2 L04 requirements for Managing Glare are shown with green highlighted cell. (UGR < 16, Luminance < 6,000, Indirect-only)
(5) UGR and Luminance values that meet LEED v4.1 requirements for Glare Control are shown with green text. (UGR < 19, Luminance < 7,000, Indirect-only)
(6) For technical data of other configurations please see photometric section on website or click link at top-right

Lumen Adjustment Factors

CCT	3000K		3500K		4000K		5000K	
CRI	80+	90+	80+	90+	80+	90+	80+	90+
Lumen Multiplier	0.956	0.803	1.000	0.852	0.988	0.888	-	-
BioUp Static	-		0.969		0.955		0.934	

Example Calculation:
025U-075D / 3500K / 80 CRI
Lumen Output selected = 985 lms/ft

3500K / 90 CRI Desired
Lumen Adjustment Factor = 0.852

Adjusted Lumen Output = 985 lms/ft x 0.852 = 839 lms/ft

Energy and Performance Data - Perceive™ Lenses

Glare								
	PARAmid (PC3)		Prism (PP3)		Waves (PW1)		Ripple (PR1)	
Lumen Package	UGR (1-2)(4-6)	MAX LUMINANCE (3-6)	UGR (1-2)(4-6)	MAX LUMINANCE (3-6)	UGR (1-2)(4-6)	MAX LUMINANCE (3-6)	UGR (1-2)(4-6)	MAX LUMINANCE (3-6)
0U-050D	21.8	6194	21.1	6202	21.5	5959	20.7	6464
0U-075D	23.2	9130	22.5	9140	22.8	8782	22	9528
0U-100D	24.1	12131	23.5	12144	23.8	11669	23	12659
0U-125D	25	15480	24.3	15497	24.6	14891	23.9	16155
025U-050D	19.2	6194	18.6	6202	18.9	5959	18.1	6464
025U-075D	21.2	9130	20.5	9140	20.9	8782	20.1	9528
025U-100D	22.6	12131	21.9	12144	22.2	11669	21.4	12659
025U-125D	23.7	15480	23.1	15497	23.4	14891	22.6	16155
050U-050D	17.7	6194	17	6202	17.3	5959	16.5	6464
050U-075D	19.9	9130	19.2	9140	19.5	8782	18.8	9528
050U-100D	21.5	12131	20.8	12144	21.1	11669	20.3	12659
050U-125D	22.8	15480	22.1	15497	22.4	14891	21.6	16155
075U-050D	16.7	6194	16	6202	16.3	5959	15.5	6464
075U-075D	19	9130	18.3	9140	18.6	8782	17.8	9528
075U-100D	20.7	12131	20	12144	20.3	11669	19.5	12659
075U-125D	22	15480	21.3	15497	21.6	14891	20.8	16155
100U-050D	15.9	6194	15.2	6202	15.5	5959	14.7	6464
100U-075D	18.3	9130	17.6	9140	17.9	8782	17.1	9528
100U-100D	20	12131	19.3	12144	19.6	11669	18.8	12659
100U-125D	21.4	15480	20.7	15497	21	14891	20.2	16155
125U-050D	15.2	6194	14.5	6202	14.8	5959	14	6464
125U-075D	17.7	9130	17	9140	17.3	8782	16.5	9528
125U-100D	19.4	12131	18.7	12144	19	11669	18.2	12659
125U-125D	20.9	15480	20.2	15497	20.5	14891	19.7	16155
150U-050D	14.7	6194	14	6202	14.3	5959	13.5	6464
150U-075D	17.2	9130	16.5	9140	16.8	8782	16	9528
150U-100D	18.9	12131	18.2	12144	18.5	11669	17.7	12659
150U-125D	20.4	15480	19.7	15497	20	14891	19.2	16155




Notes:
(1) UGR values per CIE 190:2010 with 4H, 8H, Reflectance: 70% Ceiling, 50% Wall, 20% Ref. Plane
(2)For other UGR data for room or reflective ceiling plans please see technical data on website.
(3) Luminance measured at 45-90 degrees from nadir.
(4) UGR and Luminance values that meet WELL v2 L04 requirements for Managing Glare are shown with green highlighted cell. (UGR < 16, Luminance < 6,000, Indirect-only)
(5) UGR and Luminance values that meet LEED v4.1 requirements for Glare Control are shown with green text. (UGR < 19, Luminance < 7,000, Indirect-only)
(6) For technical data of other configurations please see photometric section on website or click link at top-right

KEY:

	Meets WELL v2
TEXT	Meets LEED v4.1

Lumen Adjustment Factors

CCT	3000K		3500K		4000K		5000K	
CRI	80+	90+	80+	90+	80+	90+	80+	90+
Lumen Multiplier	0.956	0.803	1.000	0.852	0.988	0.888	-	-
BioUp Static	-		0.969		0.955		0.934	

Lens Lumen Multipliers (applied to Direct/Down output)- Perceive Lenses	
F = Frosted	1.000
PC3 = Perceive PARAmid	0.979
PP3 = Perceive Prism	0.970
PW1 = Perceive Waves	0.964
PR1 = Perceive Ripple	0.959

Example Calculation:
025U-075D / 3500K / 80 CRI
Lumen Output selected = 985 lms/ft

3500K / 90 CRI/ Perceive Prism Lens Desired
Lumen Adjustment Factor = 0.852
Lens Lumen Adjustment Factor (Direct Output) = 0.970

Adjusted Lumen Output:

Lumens Up = 242 lms/ft x 0.852 = 206 lms/ft
Lumens Down = 744 lms/ft x 0.852 x 0.970 = 615 lms/ft
Total Lumens = 206 lms/ft + 615 lms/ft = 821 lms/ft

Energy and Performance Data - White Baffle (SQ4-WB)

Continua SQ4 Suspended Performance (3500K)							Glare	
Lumen Package	Lumens/ft Up	Lumens/ft Down	Lumens/ft Total	W/ft Total	Lm/W	Distribution (up%/down%)	UGR (1-2)(4-6)	MAX LUMINANCE (3-6)
0U-050D	0	422	422	4.1	104	0%/100%	16.9	5194
0U-075D	0	623	623	6.0	104	0%/100%	18.2	7671
0U-100D	0	823	823	8.2	100	0%/100%	19.2	10122
0U-125D	0	1026	1026	10.9	94	0%/100%	20	12629
025U-050D	241	422	664	5.5	120	36%/64%	13.9	5194
025U-075D	241	623	865	7.5	116	28%/72%	16	7671
025U-100D	241	823	1064	9.7	110	23%/77%	17.4	10122
025U-125D	241	1026	1268	12.4	102	19%/81%	18.4	12629
050U-050D	498	422	920	7.1	129	54%/46%	12.3	5194
050U-075D	498	623	1121	9.1	124	44%/56%	14.6	7671
050U-100D	498	823	1321	11.3	117	38%/62%	16.1	10122
050U-125D	498	1026	1524	14.0	109	33%/67%	17.3	12629
075U-050D	748	422	1171	8.7	135	64%/36%	11.2	5194
075U-075D	748	623	1372	10.6	129	55%/45%	13.6	7671
075U-100D	748	823	1571	12.8	122	48%/52%	15.2	10122
075U-125D	748	1026	1775	15.5	114	42%/58%	16.5	12629
100U-050D	1004	422	1426	10.3	138	70%/30%	10.3	5194
100U-075D	1004	623	1627	12.3	133	62%/38%	12.8	7671
100U-100D	1004	823	1827	14.5	126	55%/45%	14.5	10122
100U-125D	1004	1026	2030	17.2	118	49%/51%	15.8	12629
125U-050D	1250	422	1672	12.0	140	75%/25%	9.7	5194
125U-075D	1250	623	1873	13.9	135	67%/33%	12.2	7671
125U-100D	1250	823	2072	16.1	129	60%/40%	13.9	10122
125U-125D	1250	1026	2276	18.8	121	55%/45%	15.3	12629
150U-050D	1506	422	1928	13.9	138	78%/22%	9.1	5194
150U-075D	1506	623	2129	15.9	134	71%/29%	11.6	7671
150U-100D	1506	823	2329	18.1	129	65%/35%	13.4	10122
150U-125D	1506	1026	2532	20.8	122	59%/41%	14.8	12629

KEY:

	Meets WELL v2
TEXT	Meets LEED v4.1

Notes:
(1) UGR values per CIE 190:2010 with 4H, 8H, Reflectance: 70% Ceiling, 50% Wall, 20% Ref. Plane
(2)For other UGR data for room or reflective ceiling plans please see technical data on website.
(3) Luminance measured at 45-90 degrees from nadir.
(4) UGR and Luminance values that meet WELL v2 L04 requirements for Managing Glare are shown with green highlighted cell. (UGR < 16, Luminance < 6,000, Indirect-only)
(5) UGR and Luminance values that meet LEED v4.1 requirements for Glare Control are shown with green text. (UGR < 19, Luminance < 7,000, Indirect-only)
(6) For technical data of other configurations please see photometric section on website or click link at top-right

Lumen Adjustment Factors

CCT	3000K		3500K		4000K		5000K	
CRI	80+	90+	80+	90+	80+	90+	80+	90+
Lumen Multiplier	0.956	0.803	1.000	0.852	0.988	0.888	-	-
BioUp Static	-		0.969		0.955		0.934	

Example Calculation:
025U-075D / 3500K / 80 CRI
Lumen Output selected = 985 lms/ft

3500K / 90 CRI Desired
Lumen Adjustment Factor = 0.852

Adjusted Lumen Output = 985 lms/ft x 0.852 = 839 lms/ft

Energy and Performance Data - Black Baffle (SQ4-BB)

Continua SQ4 Suspended Performance (3500K)							Glare	
Lumen Package	Lumens/ft Up	Lumens/ft Down	Lumens/ft Total	W/ft Total	Lm/W	Distribution (up%/down%)	UGR (1-2)(4-6)	MAX LUMINANCE (3-6)
0U-050D	0	313	313	4.1	77	0%/100%	12.4	4231
0U-075D	0	463	463	6.0	77	0%/100%	13.8	6250
0U-100D	0	611	611	8.2	74	0%/100%	14.8	8248
0U-125D	0	762	762	10.9	70	0%/100%	15.5	10290
025U-050D	241	313	555	5.5	100	44%/56%	8.8	4231
025U-075D	241	463	704	7.5	94	34%/66%	11	6250
025U-100D	241	611	852	9.7	88	28%/72%	12.4	8248
025U-125D	241	762	1003	12.4	81	24%/76%	13.5	10290
050U-050D	498	313	811	7.1	114	61%/39%	6.9	4231
050U-075D	498	463	961	9.1	106	52%/48%	9.3	6250
050U-100D	498	611	1109	11.3	98	45%/55%	11	8248
050U-125D	498	762	1260	14.0	90	40%/60%	12.2	10290
075U-050D	748	313	1062	8.7	122	70%/30%	5.8	4231
075U-075D	748	463	1211	10.6	114	62%/38%	8.3	6250
075U-100D	748	611	1359	12.8	106	55%/45%	10	8248
075U-125D	748	762	1510	15.5	97	50%/50%	11.3	10290
100U-050D	1004	313	1317	10.3	128	76%/24%	4.9	4231
100U-075D	1004	463	1467	12.3	120	68%/32%	7.4	6250
100U-100D	1004	611	1615	14.5	112	62%/38%	9.2	8248
100U-125D	1004	762	1766	17.2	103	57%/43%	10.5	10290
125U-050D	1250	313	1563	12.0	131	80%/20%	4.2	4231
125U-075D	1250	463	1713	13.9	123	73%/27%	6.8	6250
125U-100D	1250	611	1861	16.1	115	67%/33%	8.6	8248
125U-125D	1250	762	2012	18.8	107	62%/38%	9.9	10290
150U-050D	1506	313	1819	13.9	131	83%/17%	3.6	4231
150U-075D	1506	463	1969	15.9	124	76%/24%	6.2	6250
150U-100D	1506	611	2117	18.1	117	71%/29%	8	8248
150U-125D	1506	762	2268	20.8	109	66%/34%	9.4	10290

KEY:

	Meets WELL v2
TEXT	Meets LEED v4.1

Notes:
(1) UGR values per CIE 190:2010 with 4H, 8H, Reflectance: 70% Ceiling, 50% Wall, 20% Ref. Plane
(2)For other UGR data for room or reflective ceiling plans please see technical data on website.
(3) Luminance measured at 45-90 degrees from nadir.
(4) UGR and Luminance values that meet WELL v2 L04 requirements for Managing Glare are shown with green highlighted cell. (UGR < 16, Luminance < 6,000, Indirect-only)
(5) UGR and Luminance values that meet LEED v4.1 requirements for Glare Control are shown with green text. (UGR < 19, Luminance < 7,000, Indirect-only)
(6) For technical data of other configurations please see photometric section on website or click link at top-right

Lumen Adjustment Factors

CCT	3000K		3500K		4000K		5000K	
CRI	80+	90+	80+	90+	80+	90+	80+	90+
Lumen Multiplier	0.956	0.803	1.000	0.852	0.988	0.888	-	-
BioUp Static	-		0.969		0.955		0.934	

Example Calculation:
025U-075D / 3500K / 80 CRI
Lumen Output selected = 985 lms/ft

3500K / 90 CRI Desired
Lumen Adjustment Factor = 0.852

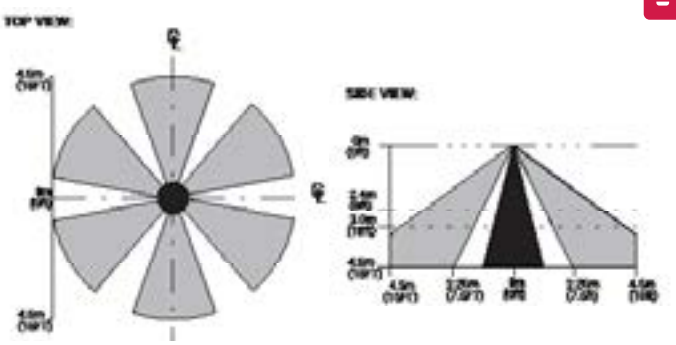
Adjusted Lumen Output = 985 lms/ft x 0.852 = 839 lms/ft

Control Solutions

- WaveLinx LITE wireless
- WaveLinx PRO wireless
- WaveLinx CAT wired
- WaveLinx Wired

WaveLinx Digital Lighting Control Solutions

Integrated Sensor Coverage Pattern



***Note**: Installation of integrated sensors within 3-ft (1m) of HVAC air vents is not recommended. The pattern shown is intended solely as a general guide and is not to scale.*

The SQ4 with WaveLinx offers no-hassle lighting control with multiple luminaire level control solutions.

WaveLinx PRO is a wireless lighting control solution, for connected spaces, that significantly reduces a building's energy consumption. From a single floor to an entire campus, WaveLinx PRO connects more than lighting assets; it shares aggregated sensor data with the WaveLinx CORE platform and other building systems, so building owners can improve operations, spaces environment, and tenants' experience. WaveLinx PRO offers a rich portfolio of wireless devices, WaveLinx PRO-enabled luminaires, and an intuitive WaveLinx mobile app for office, education, warehouse, and parking garage applications.

WaveLinx LITE is a cost effective, wireless digital lighting control solution, with out-of-the-box functionality, that saves energy and meets code. It's designed for applications that require occupancy-based, daylighting, or manual light control. Customize installations for office, education, warehouse and parking garages using the secure, simple mobile app.

With Integrated WaveLinx Sensor Endcap

With Integrated WaveLinx Sensor Side Mount

Integrated Controls Options					
Option	**Out of the Box Functionality**	**Luminaire Level Lighting Control (LLLC)**	**Automatic Dimming Photocell**	**Occupancy Sensing**	**CCT Control**
WLS	X	X	X	X	
WPS		X	X	X	X

Note: WaveLinx utilizes scenes to allow users to change an area's fixtures Correlated Color Temperature (CCT) and intensity using commissioned manual wireless wallstation scene control. To enable CCT adjustments through WaveLinx, include WPS or WPN devices in addition to VividTune or BioUp technologies for integrated fixture control.

Systems comparison chart

Cooper Lighting Solutions provides many lighting system solutions designed to satisfy code requirements and meet the unique needs of any project.

Luminaire with standalone sensor

Standalone Spaces WaveLinx LITE

Standalone Spaces WaveLinx CAT

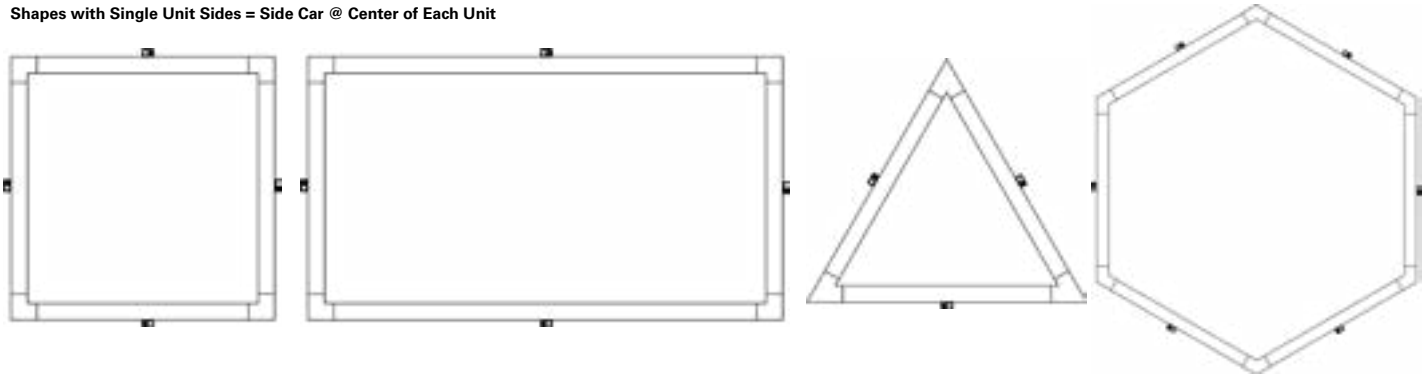
Networked Spaces WaveLinx PRO

Enterprise WaveLinx CORE

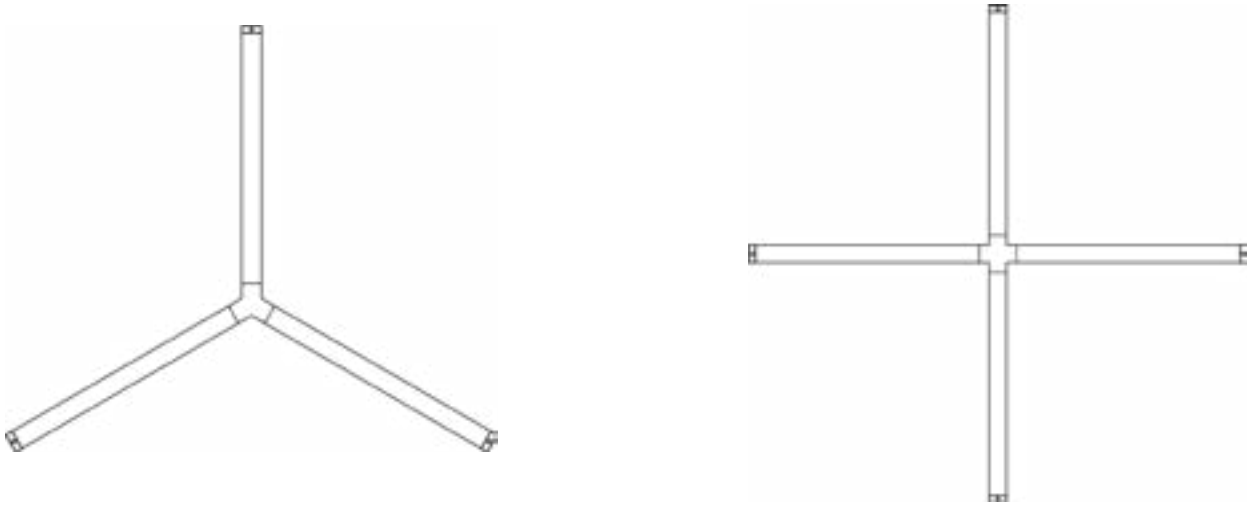
Occupancy	Yes	Yes	Yes	Yes	Yes
Daylighting	Yes	Yes	Yes	Yes	Yes
Wallstations	–	Yes	Yes	Yes	Yes
Gateways	–	–	–	1 WAC	300 WACs
Devices (MAX)	–	40 per Area (1120 per space)	40 per Area	200 per WAC2	32,500 per CORE Enterprise
Software	–	WaveLinx LITE Mobile App	WaveLinx CAT Mobile App	WaveLinx Mobile App	CORE
Areas	–	28 per Space	Unlimited	50 per WAC2	up to 3,000
Zones	–	16 per Area	16 per Area	16 per Area	up to 9,000
Scheduling	–	–	–	Local	Global
VividTune™	–	–	–	Yes	Yes
Plug-Load Control	–	Yes	Yes	Yes	Yes
Low-Voltage Power	–	–	Yes	Yes	Yes
Integration	–	–	–	–	BACnet, API
Dashboards	–	–	–	–	Energy, Occupancy
Configuration	–	Installer	Installer	Technician	Technician / IT

Default Integrated Sensor Placement

Shapes with Single Unit Sides = Side Car @ Center of Each Unit



Hub-Spoke with Single Unit Spokes = End Cap of Each Unit

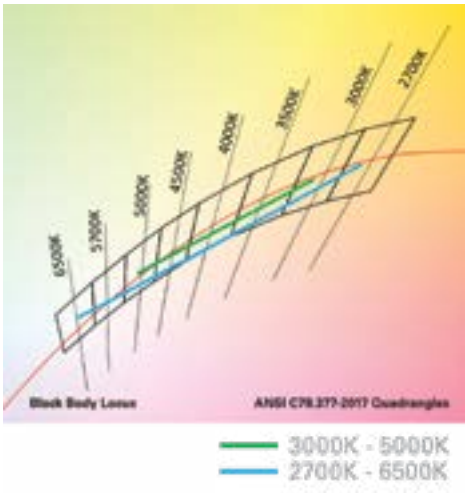


Patterns:
Runs Between Corners/Hubs and End = Side Car @ Center of Each Unit
Single Units Between Corners/Hubs and End = Side Car @ Center of Each Unit

Patterns:
Single Units Between Corners/Hubs and End = Side Car @ Center of Each Unit

Consult Factory for any custom sensor placement.
Limitations may apply.

VividTune
color tuning solutions



SQ4 with VividTune Tunable White

VividTune tunable white luminaires from Cooper Lighting Solutions deliver high-quality light in a broad range of continuously variable color temperatures and intensities. Create a dynamic environment by adjusting the ambient light warmer or cooler to influence mood, support the task at hand, or create a dramatic ambience. The ability to control correlated color temperature and intensity separately using simple controls is the next evolution of LED lighting for the commercial, educational, healthcare and hospitality space. The unparalleled flexibility and number of available lighting environments enable users to find the right light with tunable white.

Performance Data

Continua SQ4 Suspended Performance (3500K)

Lumen Package	"Lumens/ft Up"	"Lumens/ft Down"	"Lumens/ft Total"	"W/ft Total"	Lm/W	Distribution (up%/down%)
0U-050D	0	510	510	5.2	98	0%/100%
0U-075D	0	753	753	7.9	95	0%/100%
0U-100D	0	994	994	10.6	94	0%/100%
0U-125D	0	1251	1251	13.9	90	0%/100%
025U-050D	449	510	958	8.8	109	47%/53%
025U-075D	449	753	1202	11.5	105	37%/63%
025U-100D	449	994	1443	14.2	102	31%/69%
025U-125D	449	1251	1700	17.5	97	26%/74%
050U-050D	504	510	1014	9.2	110	50%/50%
050U-075D	504	753	1257	11.9	106	40%/60%
050U-100D	504	994	1498	14.6	102	34%/66%
050U-125D	504	1251	1755	17.9	98	29%/71%
075U-050D	747	510	1257	11.1	113	59%/41%
075U-075D	747	753	1500	13.8	109	50%/50%
075U-100D	747	994	1741	16.5	105	43%/57%
075U-125D	747	1251	1999	19.8	101	37%/63%
100U-050D	996	510	1505	13.3	113	66%/34%
100U-075D	996	753	1748	16.0	109	57%/43%
100U-100D	996	994	1990	18.7	106	50%/50%
100U-125D	996	1251	2247	22.0	102	44%/56%
125U-050D	1247	510	1757	15.6	113	71%/29%
125U-075D	1247	753	2000	18.2	110	62%/38%
125U-100D	1247	994	2241	21.0	107	56%/44%
125U-125D	1247	1251	2498	24.2	103	50%/50%
150U-050D	1500	510	2010	18.0	112	75%/25%
150U-075D	1500	753	2253	20.7	109	67%/33%
150U-100D	1500	994	2494	23.4	107	60%/40%
150U-125D	1500	1251	2751	26.7	103	55%/45%
025U-0D	449	0	449	3.6	126	100%/0%
050U-0D	504	0	504	4.0	126	100%/0%
075U-0D	747	0	747	5.9	127	100%/0%
100U-0D	996	0	996	8.1	123	100%/0%
125U-0D	1247	0	1247	10.3	121	100%/0%
150U-0D	1500	0	1500	12.8	118	100%/0%

CCT Multiplier	90CRI 3000K-5000K	90CRI 2700K-6500K	BioUp 2700K-5000K
2700K	-	0.954	0.996
3000K	0.981	0.974	0.986
3500K	1.000	0.997	0.969
4000K	1.011	1.016	0.955
4500K	1.018	1.032	0.945
5000K	1.025	1.044	0.934
5700K	-	1.058	-
6500K	-	1.068	-

Example Calculation:

025U-075D / 3000K-5000K tuned to 3500K

Lumen Output selectred = 1202 lms/ft

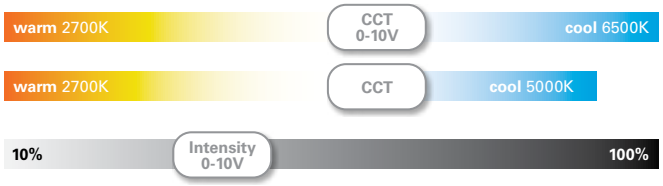
90CRI 3000K-5000K tuned to 4000K

Lumen Adjustment Factor = 1.011

Adjusted Lumen Output = 1130 lms/ft x 1.011 = 1215 lms/ft

Controlling VividTune and BioUp Tunable White

From wall dimmers to wireless controls, tunable white luminaires are compatible with industry standard 0-10V and DALI controls. One channel to control intensity (brightness) and a second channel to adjust CCT.



Driver Availability

	'STD' 0-10V, UNV Qty of Drivers					'SLT' DALI / 'SR' Qty of Drivers					'L5' / 'LH' Lutron Qty of Drivers					'STD' 0-10V, 347V Qty of Drivers					'W2A' 2Ch WT 0-10V, UNV Qty of Drivers				
Lumen Package	**2'**	**4'**	**6'**	**8'**	**12'**	**2'**	**4'**	**6'**	**8'**	**12'**	**2'**	**4'**	**6'**	**8'**	**12'**	**2'**	**4'**	**6'**	**8'**	**12'**	**2'**	**4'**	**6'**	**8'**	**12'**
0U-050D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	N/A	1	1	1	2
0U-075D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3
0U-100D	1	1	1	1	2	1	1	1	1	2	1	1	1	1	2	1	1	1	1	2	1	1	2	2	3
0U-125D	1	1	1	2	3	1	1	1	2	3	1	1	1	2	3	1	1	1	2	3	1	1	2	2	3
025U-050D	N/A	2	2	2	2	N/A	2	2	2	2	N/A	N/A	2	2	2	N/A	2	2	2	2	N/A	N/A	N/A	2	3
025U-075D	N/A	2	2	2	2	N/A	2	2	2	2	N/A	N/A	2	2	2	N/A	2	2	2	2	N/A	N/A	N/A	3	4
025U-100D	N/A	2	2	2	3	N/A	2	2	2	3	N/A	N/A	2	2	3	N/A	2	2	2	3	N/A	N/A	N/A	3	4
025U-125D	N/A	2	2	3	4	N/A	2	2	3	4	N/A	N/A	2	3	4	N/A	2	2	3	4	N/A	N/A	N/A	3	4
050U-050D	2	2	2	2	2	2	2	2	2	2	N/A	2	2	2	2	2	2	2	2	2	N/A	2	2	2	3
050U-075D	2	2	2	2	2	2	2	2	2	2	N/A	2	2	2	2	2	2	2	2	2	N/A	2	2	3	4
050U-100D	2	2	2	2	3	2	2	2	2	3	N/A	2	2	2	3	2	2	2	2	3	N/A	2	3	3	4
050U-125D	2	2	2	3	4	2	2	2	3	4	N/A	2	2	3	4	2	2	2	3	4	N/A	2	3	3	4
075U-050D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	N/A	2	2	2	4
075U-075D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	N/A	2	2	3	5
075U-100D	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	N/A	2	3	3	5
075U-125D	2	2	2	3	4	2	2	2	3	4	2	2	2	3	4	2	2	2	3	4	N/A	2	3	3	5
100U-050D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	N/A	2	2	3	5
100U-075D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	6
100U-100D	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	2	2	3	4	6
100U-125D	2	2	2	3	4	2	2	2	3	4	2	2	2	3	4	2	2	2	3	4	2	2	3	4	6
125U-050D	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	N/A	2	3	3	5
125U-075D	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	2	2	3	4	6
125U-100D	2	2	2	2	4	2	2	2	2	4	2	2	2	2	4	2	2	2	2	4	2	2	4	4	6
125U-125D	2	2	2	3	5	2	2	2	3	5	2	2	2	3	5	2	2	2	3	5	2	2	4	4	6
150U-050D	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	N/A	2	3	3	5
150U-075D	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	2	2	3	4	6
150U-100D	2	2	2	2	4	2	2	2	2	4	2	2	2	2	4	2	2	2	2	4	2	2	4	4	6
150U-125D	2	2	2	3	5	2	2	2	3	5	2	2	2	3	5	2	2	2	3	5	2	2	4	4	6
025U-0D	N/A	1	1	1	1	N/A	1	1	1	1	N/A	N/A	1	1	1	N/A	1	1	1	1	N/A	N/A	N/A	1	1
050U-0D	1	1	1	1	1	1	1	1	1	1	N/A	1	1	1	1	1	1	1	1	1	N/A	1	1	1	1
075U-0D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	N/A	1	1	1	2
100U-0D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3
125U-0D	1	1	1	1	2	1	1	1	1	2	1	1	1	1	2	1	1	1	1	2	1	1	2	2	3
150U-0D	1	1	1	1	2	1	1	1	1	2	1	1	1	1	2	1	1	1	1	2	1	1	2	2	3

Driver Availability with BioUp

	BioUp 0-10V STD & W2A					BioUp DALI W2D				
Lumen Package	**2'**	**4'**	**6'**	**8'**	**12'**	**2'**	**4'**	**6'**	**8'**	**12'**
0U-050D	N/A	1	1	1	1	N/A	1	1	1	2
0U-075D	N/A	1	1	1	3	N/A	1	1	2	3
0U-100D	N/A	1	2	2	3	N/A	1	2	2	3
0U-125D	N/A	1	2	2	3	N/A	1	2	2	3
025U-050D	N/A	N/A	N/A	N/A	2	N/A	2	2	2	3
025U-075D	N/A	N/A	N/A	N/A	4	N/A	2	2	3	4
025U-100D	N/A	N/A	N/A	N/A	4	N/A	2	3	3	4
025U-125D	N/A	N/A	N/A	N/A	4	N/A	2	3	3	4
050U-050D	N/A	N/A	2	2	2	N/A	2	2	2	3
050U-075D	N/A	N/A	2	2	4	N/A	2	2	3	4
050U-100D	N/A	N/A	3	3	4	N/A	2	3	3	4
050U-125D	N/A	N/A	3	3	4	N/A	2	3	3	4
075U-050D	N/A	2	2	2	3	N/A	2	2	2	4
075U-075D	N/A	2	2	2	5	N/A	2	2	3	5
075U-100D	N/A	2	3	3	5	N/A	2	3	3	5
075U-125D	N/A	2	3	3	5	N/A	2	3	3	5
100U-050D	N/A	2	2	2	4	N/A	2	2	3	5
100U-075D	N/A	2	2	2	6	N/A	2	2	4	6
100U-100D	N/A	2	3	3	6	N/A	2	3	4	6
100U-125D	N/A	2	3	3	6	N/A	2	3	4	6
125U-050D	N/A	2	3	3	4	N/A	2	3	3	5
125U-075D	N/A	2	3	3	6	N/A	2	3	4	6
125U-100D	N/A	2	4	4	6	N/A	2	4	4	6
125U-125D	N/A	2	4	4	6	N/A	2	4	4	6
150U-050D	N/A	2	3	3	4	N/A	2	3	3	5
150U-075D	N/A	2	3	3	6	N/A	2	3	4	6
150U-100D	N/A	2	4	4	6	N/A	2	4	4	6
150U-125D	N/A	2	4	4	6	N/A	2	4	4	6
025U-0D	N/A	N/A	N/A	N/A	1	N/A	1	1	1	1
050U-0D	N/A	N/A	1	1	1	N/A	1	1	1	1
075U-0D	N/A	1	1	1	2	N/A	1	1	1	2
100U-0D	N/A	1	1	1	3	N/A	1	1	2	3
125U-0D	N/A	1	2	2	3	N/A	1	2	2	3
150U-0D	N/A	1	2	2	3	N/A	1	2	2	3

Material Transparency

LIVING BUILDING CHALLENGE™

The ILFI (International Living Future Institute) has created a program where manufacturers can disclose the components or “ingredients” of a product. This disclosure has a rating system that shows transparency in the materials chosen in developing products, and whether there are any chemicals of concern, to help meet the requirements of leading green building standards that support human and environmental health.

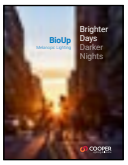
☑ Declared

- Products disclose 100% of ingredients present in final product, but contain one or more Red List chemicals that are not covered by an approved exception.

Proven Research. Industry Recognized.

BioUp
Melanopic Lighting

See better | Feel better | Function better



See BioUp brochure for more details

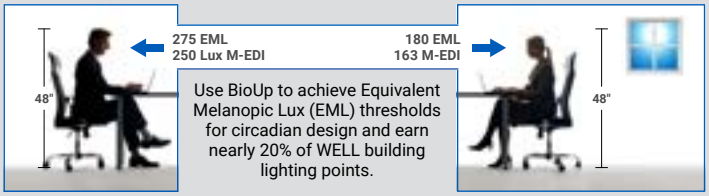
ANSI/IES RP-46-23
Illuminating Engineering Society
RECOMMENDED PRACTICE:
SUPPORTING THE PHYSIOLOGICAL AND BEHAVIORAL EFFECTS OF LIGHTING IN INTERIOR DAYTIME ENVIRONMENTS
AN AMERICAN NATIONAL STANDARD

ANSI/IES RP-46-23 / TM18 published March 2024 based on over 40 years of research.

"…circadian clock synchronization is paramount to the body's efficient and appropriate functioning." – TM18

INTERNATIONAL WELL BUILDING INSTITUTE™

BioUp solutions maximize WELL points for Circadian Lighting Design (L03):

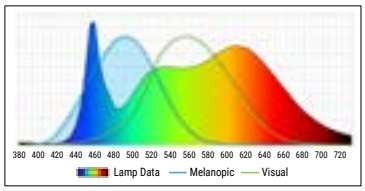


MDER, M-EDI and **EML** are key metrics used to quantify non-visual performance of indoor lighting systems.

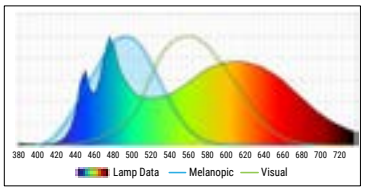
See BioUp white paper for more details

MDER - Melanopic Daylight Efficacy Ratio (MDER) measures the amount of light stimulating to the melanopsin receptors.

Standard 4000K LED
MDER = .62



BioUp 4000K LED
MDER = .82



30% boost Biological impact
compared to traditional LED sources

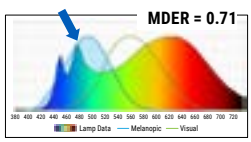
CCT	LED MDER ~83 CRI	BioUp Static		BioUp Dynamic	
		MDER	CRI	MDER	CRI
2700K	0.44	–	–	0.43	95
3000K	0.49	–	–	0.54	94
3500K	0.56	0.71	90	0.71	90
4000K	0.64	0.84	87	0.82	87
5000K	0.77	0.98	84	0.98	84

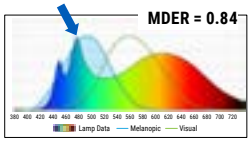
BioUp enhances the LED spectrum with cyan light at 475nm increasing the biological impact of the light to enhance our circadian rhythm which regulates our sleep/wake cycle, daytime engagement, and mood – ***all without distorting visual color impression.***

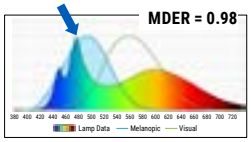
Static (non-tunable)

Static BioUp is used when simple Melanopic Lighting is desired at all times.

Arrow in graph shows BioUp spectrum boost is at 475nm where non-visual biological response is enhanced.







3500K or 4000K or 5000K

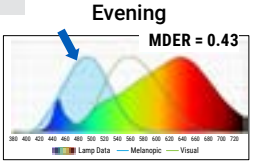
Cyan light component always present

› no CCT control needed

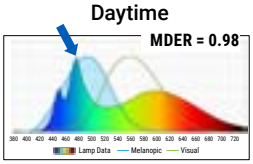
Dynamic - (Tunable)

Dynamic BioUp is used when Melanopic Lighting is desired to adjust during the day.

Evening

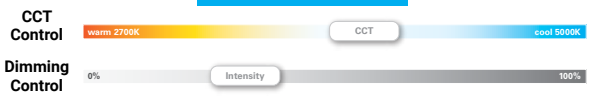


Daytime



Warmer CCT **Without** Cyan content ⟷ Cooler Light **With** Cyan content

2700K – 5000K



› Control with Wavelinx, 2ch 0-10V, or DALI

Cooper Lighting Solutions
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