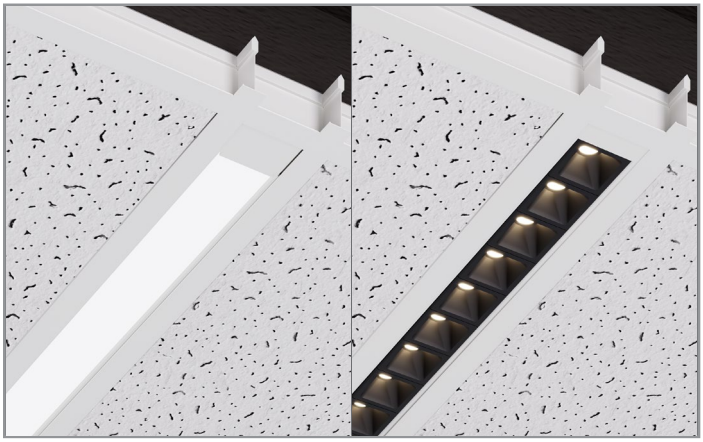
Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	



Corelite

SQ2R

LED
Recessed
Direct

Typical Applications

• Office • Education • Healthcare • Hospitality • Retail

Interactive Menu

Product Certification

Product Features

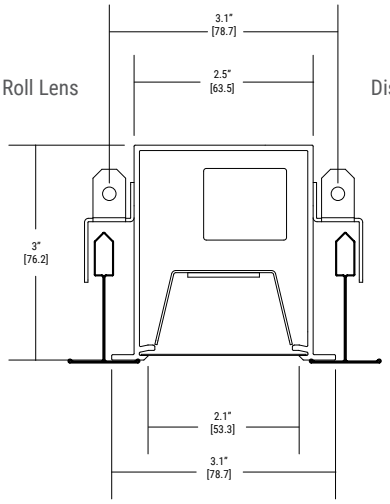
PERCEIVE Connected Systems · powered by fifthlight · damp location · BAA · DISCREET · RoHS · Efficiency Standards T24 California Title 24 Non-Residential Compliant · WaveLinx

Top Product Features

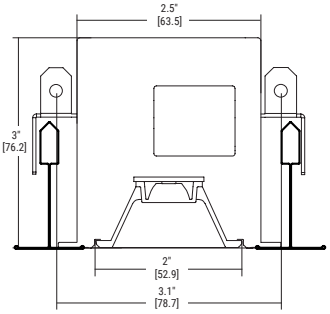
- Nominal 2" linear aperture
- Available in 2', 4', 6' and 8' lengths as well as continuous runs
- Suspended, recessed, surface and wall mount applications
- Wide range of direct distributions and independent up/down circuiting
- Available with two high performance low glare optical options
- Best in class 110° peak candela InDirect batwing optic for maximizing ceiling uniformity and on-center spacing
- Up to 127 lumens per watt Direct-Indirect, 121 lumens per watt Direct
- Integrated control available - WaveLinx Pro, WaveLinx Lite, Wavelinx CAT
- Options to meet Buy American Act requirements

Dimensions

Continuous Roll Lens



Discreet Baffle Option



Order Information

SAMPLE ORDER NUMBER: **BAA-SQ2R-WBM-075D-935-1-D-UNV-STD-W-T2-4**

Icon Key:
Grey bar denotes available with 10-Day Quick Spec
ø Consult factory for availability
Orange bar denotes coming soon

Domestic Preferences	Series	Shielding	Distribution	Lumen Package Down (Lms/ft)	CRI/CCT	Circuiting
[Blank]=Standard **BAA**=Buy American Act	**SQ2R**= Continua SQ 2" Recessed	**Continuous Roll Lens** **F**=Frosted Continuous Roll Lens **PP3**= Perceive Prism **PW1**= Perceive Waves **PR1**= Perceive Ripple **PH1**= Perceive Hex **Discreet Optics™** **BB**= Black Discreet™ Baffle, TIR Optic **WB**=White Discreet™ Baffle, TIR Optic	**Continuous Roll Lens** **[Blank]**=Standard Lambertian Distribution **B**= Frosted Continuous Batwing Roll Lens **A**= Frosted Continuous Asymmetric Roll Lens **Discreet Optics™** **M**=Medium, 80° **N**= Narrow, 35°	**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	**1**=Single Circuit **S**=Secondary Circuit
Notes Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.	**Notes**	**Notes** Please choose either Continuous roll lens or Discreet baffles. Continuous roll lens options are only available with other continuous roll lens options. Similarly, Discreet options are only available with Discreet baffles. **F, FB, FA, PP3, PW1, PR1, PH1:** Seamless illumination with continuous roll lens. BB and WB Discreet baffles only available with 90 CRI.	**Notes** Please choose either Continuous roll lens or Discreet baffles. Continuous roll lens options are only available with other continuous roll lens options. Similarly, Discreet options are only available with Discreet baffles. **F, FB, FA, PP3, PW1, PR1, PH1:** Seamless illumination with continuous roll lens.	**Notes** Custom lumen output available. Down (Direct): Min =150 Lms/ft Max = 1500 Lms/ft **Consult factory to specify custom lumen package See Driver Availability tables for more details. Outputs above 1000 lumens/ft are not for IC installation 2ft lumen output: 500lms/ft min.	**Notes** Discreet baffles standard with 90 CRI	**Notes** Refers to wiring in cross section.

Emergency	Voltage	Driver/Dimming	Integrated Sensor Options	Options	Finish
D=None **E**=Emergency Circuit **B06**=6-watt, 120V-277V Emergency Battery Pack **EPC**=LVS Controls EPC UL924 Bypass Relay Device **B10**=10-watt, 120V-277V Emergency Battery Pack	**UNV**=Universal (120V-277V) **347**=347V	**STD**=Standard 0-10V (1%-100%) **5LT**=Fifth Light DALI (1%-100%) **LH**=Lutron HiLume (LDE1 series) 1%-100% EcoSystem Driver with Soft-on Fade to Black dimming ø	**[Blank]**=No Sensor **WPS**=WaveLinx Pro Wireless Integrated Sensor ø, (A) **WPN**=WaveLinx Pro Wireless Node without Sensor ø, (A) **WLS**=WaveLinx LITE Wireless Integrated Sensor ø, (B)	**CP**=Chicago Plenum	**W**=White **S**=Silver **B**=Black **CC**=Classic RAL **CM**=Color Match
Notes Battery operates entire downlight portion of 4ft and 6ft fixtures. Battery operates specified 4ft sections of 8ft fixtures. Battery available in fixtures up to 1000 lms/ft. EPC option used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). 4ft Fixture with uplight not available with integrated battery and 5LT drivers in same fixture External battery standard with chicago plenum.	**Notes** Integral 347V driver with STD 0-10V option only. 347V not available with 2ft fixture.	**Notes** 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: (ø) Consult Marketplace Options - Lutron system pages for additional details and compatibility. Compatible only with driver series shown, and may require two or more drivers. Requires field commissioning to operate or dim. Contact Lutron at www.lutron.com. 2ft is only available with STD driver.	**Notes** (ø) Must be used with CD or HCD 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) WaveLinx LITE devices are not currently compatible with the WaveLinx Wireless Area Controller. Consult WaveLinx LITE system pages for additional details and compatibility. (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility. (D) Consult SVPD series system pages for additional details and compatibility. For continuous lensed fixtures, sensors in the middle of runs will be provided for tile mount installation. Please refer to page 10 for mounting details.	**Notes** Meets CCEA requirements	**Notes** **CC**=must denote RAL color number Consult factory for custom finishes. **CM**= Color match(additional fee) requires color sample to be sent to the factory. CM pricing does not include metallic, flake or specialty texture finishes. Please consult factory for specialty finishes.

Ceiling Type	Run Length
T1=15/16" T-Grid, 9/16" T-Grid **T2**= 9/16" Slot T-Grid, 9/16" Tegular T-Grid, 9/16" Interlude T-Grid **FG**=Flanged (Gypsum Board) **MD**=Mud-in Flange	**2**=4 ft **4**=4 ft **6**=6 ft **8**=8 ft **XX**=Specify Run Length
Notes	**Notes** See 'Standard Row Configurations' table on Page 7 for continuous row length breakdowns.

Product Specifications

Construction
- Single-piece extruded aluminum housing
- 2.63" x 3" profile
- Die-formed 20 gauge cold rolled steel LED tray
- Driver accessible from below

End Caps
- Sheet metal steel end caps with laser cut features for precision alignment to housing
- Attach mechanically to the end of the fixture above ceiling
- Integrated sensor and battery end caps add 1.88" at each end

Lengths
- Available in 2-ft, 4-ft, 6-ft and 8-ft sections
- Modular design eliminates the need for starter, intermediate, and end of run sections
- See table on page 7 for standard continuous row length breakdowns

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

Mounting
- Recessed lay-in T-grid or visible flange gypsum installations with 1/2" flange or 1" mud-in flange available
- Fixtures can be joined for straight continuous runs using rigid alignment features

Shielding
- **F:** Frosted continuous flexible roll lens creates seamless illumination along entire row length. Single piece roll lens up to 100 ft.
- **FB:** Frosted batwing continuous flexible roll lens creates seamless illumination along entire row length. Single piece roll lens is added to Diffuse roll lens up to 100ft.
- **FA:** Frosted Asymmetric continuous flexible roll lens creates seamless illumination along entire row length. Single piece roll lens is added to Diffuse roll lens up to 100ft.
- **BB**(Black) and **WB**(White): Injection molded, contoured, segmented baffles with for low UGR values and improved visual comfort.
- **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 is added to Diffuse roll lens up to 100ft.

Optics
- Precision engineered TIR optics on upper and lower LED light engines for optimal light distribution and low glare
- 110˚ peak candela angle in indirect distribution
- 80° beam angle direct distribution with 45° cutoff

LED and Light Engine
- LEDs are available in 3000K, 3500K, 4000K
- CRI standard ≥80CRI
- Lumen output will be affected - please refer to the lumen adjustment factor tables
- TM21 life at 60,000 hours up to L85 and calculated theoretical L70 exceeds 135,000 hrs
- Drivers available in 120-277V and 347V

Integrated Controls
- 0-10V dimming to 1% standard
- WaveLinx sensor compatible for IoT capability
- Enlighted sensor not standard
- DALI 2.0 and Lutron dimming available

Emergency Options
- Emergency circuit option operates entire downlight portion of a specified unit (4 ft, 6 ft or 8 ft)
- See table on page 10 for battery integration details
- 90-minute backup period for code compliance
- Test switch is located either in the endcap, or tile mount ceiling plate
- 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

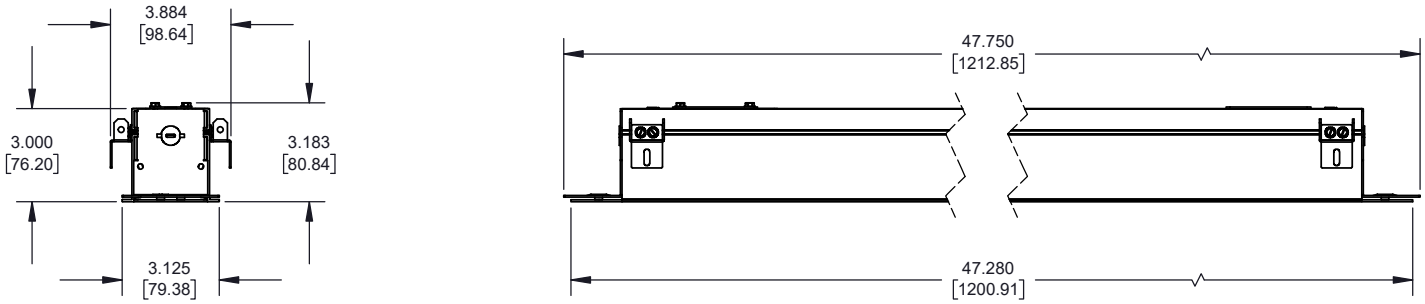
Weight
- 2.6 lbs. per foot

Compliance
- cULus listed for damp locations
- Tested to IESNA LM-79 and LM-80
- RoHS compliant
- Can be used for State of California Title 24 high efficacy luminaire
- Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions
- L70 is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L70 hours limited to 6 times actual LED test hours

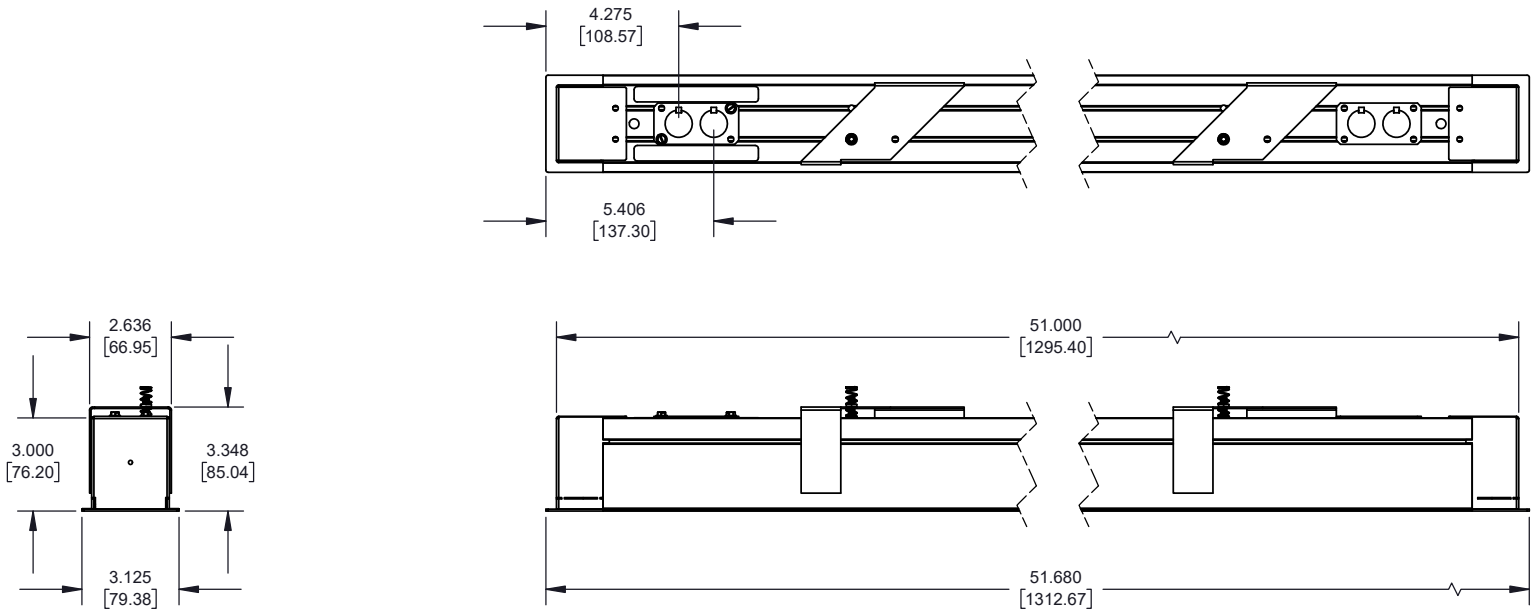
Warranty
- Five year limited warranty standard www.cooperlighting.com/legal

Dimensions

RECESSED GRID



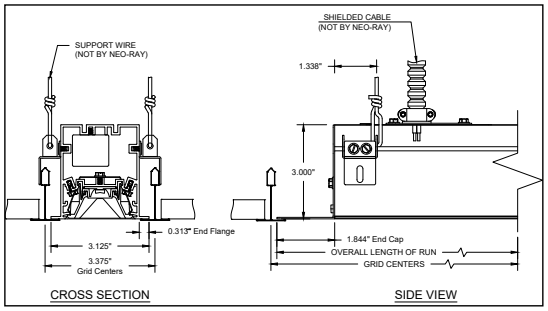
RECESSED GYP



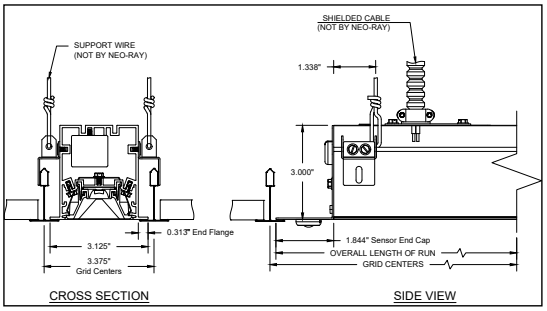
Ceiling Type

Extruded Trim Flange Details - Refer to submittal drawings for detailed flange information - for additional options consult factory. Discreet baffle option shown (Continuous roll lens has same external dimensions)

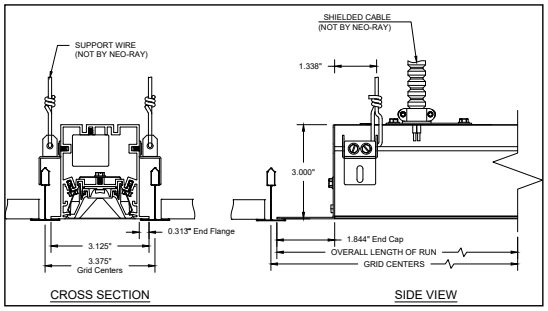
15/16 Tee (T1)



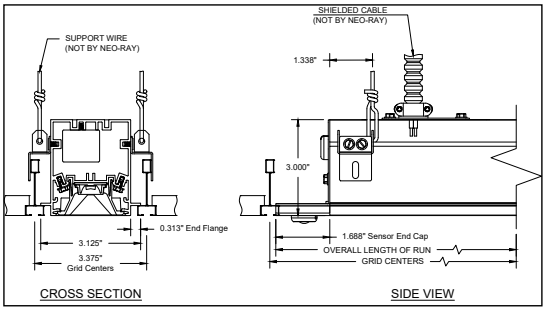
15/16 Tee (T1 w/ Sensor)



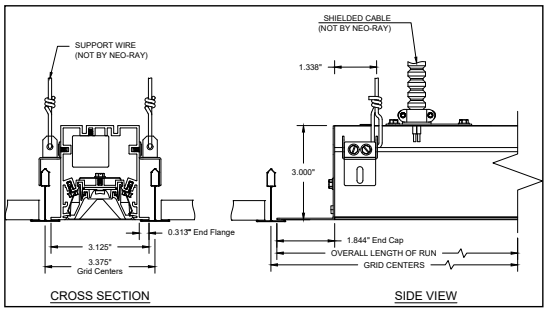
9/16 Tee (T2)



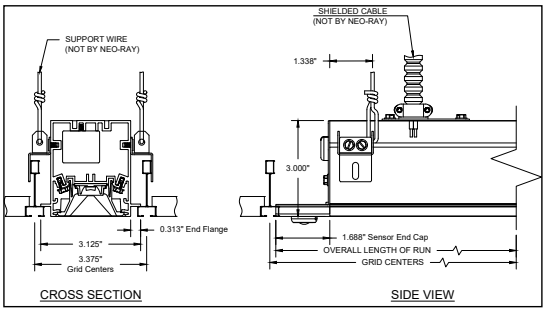
9/16 Tee (T2 w/ Sensor)



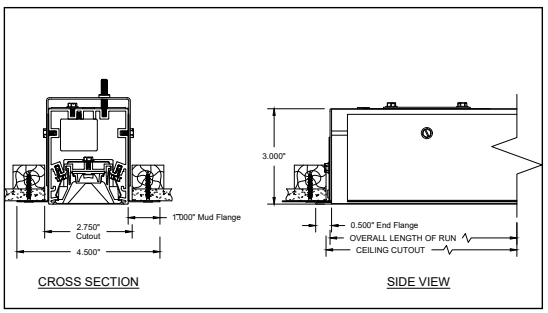
(FG)



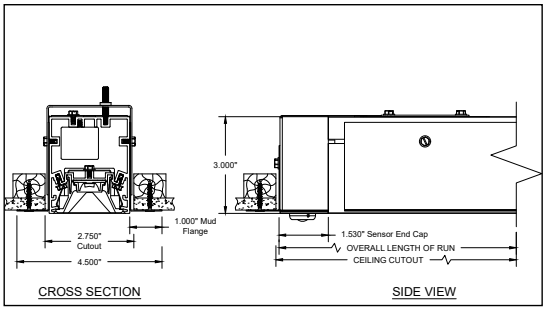
(FG w/ Sensor)



(MD)



(MD w/ Sensor)

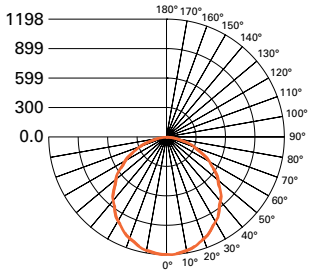


FG/MD Length					
Nominal fixture length	Standard fixture housing length	Standard fixture flange length	Ceiling cut length	Ceiling cut width	Adder for 1 sensor or batt endcap
2	24.375	25.000	24.500	2.750	1.375
4	48.375	49.000	48.500	2.750	1.375
6	72.375	73.000	72.500	2.750	1.375
8	96.375	97.000	96.500	2.750	1.375

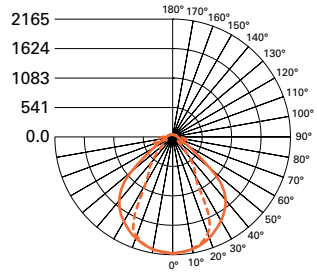
Note: - Actual dimensions and cutout length varies from Nominal Length as shown in the FG/MD Length Table.

Photometric Data

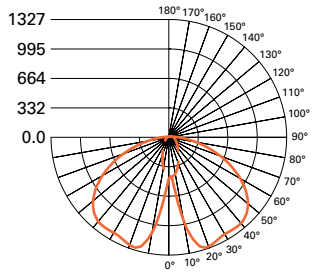
View IES files



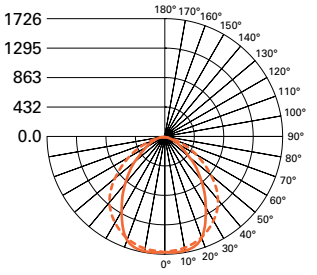
FILE NAME:
SQ2R-F-075D-835-UNV-STD-W-4.ies
CCT: 3500K / 80 CRI
LUMENS: 3363.8 Lm
WATTS: 26.7 W
EFFICACY: 126 Lm/W
TEST NO.: P845476
0% UP /100% DOWN



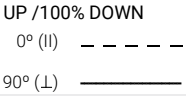
FILE NAME:
SQ2R-FA-075D-835-UNV-STD-W-4.ies
CCT/CRI: 3500K / 80 CRI
LUMENS: 3158.2 Lm
WATTS: 26.7 W
EFFICACY: 118.3 Lm/W
TEST NO.: P845500
0% UP /100% DOWN

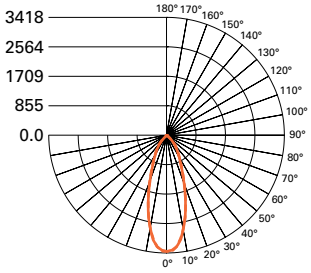


FILE NAME:
SQ2R-FB-075D-835-UNV-STD-W-4.ies
CCT/CRI: 3500K / 80 CRI
LUMENS: 3362.6 Lm
WATTS: 26.7 W
EFFICACY: 125.9 Lm/W
TEST NO.: P845524
0% UP /100% DOWN

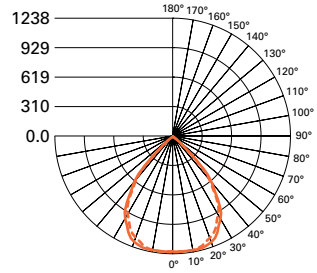


FILE NAME:
SQ2R-PW1-075D-835-UNV-STD-W-4.ies
CCT: 3500K / 80 CRI
LUMENS: 3802.5 Lm
WATTS: 26.7 W
EFFICACY: 142.4 Lm/W
TEST NO.: P845644
0% UP /100% DOWN

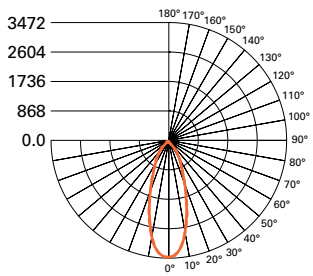




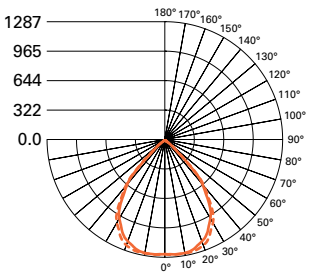
FILE NAME:
SQ2R-BBN-050D-935-UNV-STD-W-4.ies
CCT: 3500K / 80 CRI
LUMENS: 1846.7 Lm
WATTS: 16.6W
EFFICACY: 111.2 Lm/W
TEST NO.: P845458
0% UP /100% DOWN



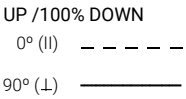
FILE NAME:
SQ2R-BBM-050D-935-UNV-STD-W-4.ies
CCT/CRI: 3500K / 80 CRI
LUMENS: 1840.6 Lm
WATTS: 16.6 W
EFFICACY: 110.9 Lm/W
TEST NO.: P845446
0% UP /100% DOWN



FILE NAME:
SQ2R-WBN-050D-935-UNV-STD-W-4.ies
CCT/CRI: 3500K / 80 CRI
LUMENS: 2014.8 Lm
WATTS: 16.6 W
EFFICACY: 121.4 Lm/W
TEST NO.: P845674
0% UP /100% DOWN



FILE NAME:
SQ2R-WBM-050D-935-UNV-STD-W-4.ies
CCT: 3500K / 80 CRI
LUMENS: 2009.8 Lm
WATTS: 16.6 W
EFFICACY: 121.1 Lm/W
TEST NO.: P845662
0% UP /100% DOWN



Note: Refer to IES files for more product data.

Photometric Data

Lumen Maintenance

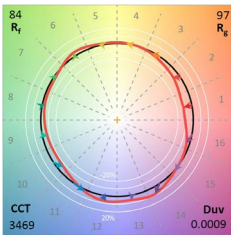
Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours) (1)	Theoretical L70 (Hours) (2)
25°C	>84%	121,000

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.

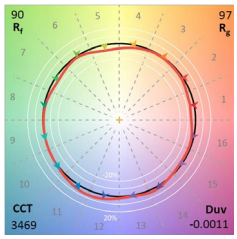
Color Data (3500K)

		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



Standard Row Configurations

8' Unit Max

Fixture Length	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'	32'	34'	36'	38'	40'	42'	44'	46'	48'	50'
2'	1																								
4'		1			1	1			1	1			1	1			1	1			1	1			1
6'			1		1		1		1		1		1		1		1		1		1		1		1
8'				1		1	1	2	1	2	2	3	2	3	3	4	3	4	4	5	4	5	5	6	5

Fixture Length	52'	54'	56'	58'	60'	62'	64'	66'	68'	70'	72'	74'	76'	78'	80'	82'	84'	86'	88'	90'	92'	94'	96'	98'	100'
4'	1			1	1			1	1			1	1			1	1			1	1			1	1
6'		1		1		1		1		1		1		1		1		1		1		1		1	
8'	6	6	7	6	7	7	8	7	8	8	9	8	9	9	10	9	10	10	11	10	11	11	12	11	12

Driver Availability - Discreet Baffles (Non-grid Ceilings)

	'STD' 0-10V, UNV				'SLT' DALI / 'SR'				'L5'/'LH'				'STD' 0-10V, 347V			
Lumen Package	**2'**	**4'**	**6'**	**8'**	**2'**	**4'**	**6'**	**8'**	**2'**	**4'**	**6'**	**8'**	**2'**	**4'**	**6'**	**8'**
050D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
075D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
125D	1	1	1	2	1	1	1	2	1	1	1	2	1	1	1	2

Driver Availability - Discreet Baffles (Grid Ceilings)

	'STD' 0-10V, UNV				'SLT' DALI / 'SR'				'L5'/'LH'				'STD' 0-10V, 347V			
Lumen Package	**2'**	**4'**	**6'**	**8'**	**2'**	**4'**	**6'**	**8'**	**2'**	**4'**	**6'**	**8'**	**2'**	**4'**	**6'**	**8'**
050D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
075D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
100D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
125D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Driver Availability - Frosted Lens

	'STD' 0-10V, UNV				'SLT' DALI / 'SR'				'L5'/'LH'				'STD' 0-10V, 347V			
Lumen Package	**2'**	**4'**	**6'**	**8'**	**2'**	**4'**	**6'**	**8'**	**2'**	**4'**	**6'**	**8'**	**2'**	**4'**	**6'**	**8'**
050D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
075D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
125D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Energy and Performance Data - Frosted Continuous Lens (F)

Continua SQ2 Suspended Performance (3500K)				Glare	
Lumen Package	Lumens/ft	W/ft	Lm/W	UGR (1-2)(4-6)	MAX LUMINANCE (3-6)
050D	2060	4.5	115.8	24.7	10981
075D	2972	6.7	111.3	25.9	15842
100D	3996	9.4	106.3	27	21299
125D	4976	12.3	101.1	27.7	26521

Energy and Performance Data - Frosted Continuous Lens (FA)

Continua SQ2 Suspended Performance (3500K)				Glare	
Lumen Package	Lumens/ft	W/ft	Lm/W	UGR (1-2)(4-6)	MAX LUMINANCE (3-6)
050D	1936	4.5	108.8	22.6	17856
075D	2794	6.7	104.6	23.8	25759
100D	3756	9.4	99.9	24.9	34632
125D	4677	12.3	95.1	25.6	43124

Energy and Performance Data - Frosted Continuous Lens (FB)

Continua SQ2 Suspended Performance (3500K)				Glare	
Lumen Package	Lumens/ft	W/ft	Lm/W	UGR (1-2)(4-6)	MAX LUMINANCE (3-6)
050D	2055	4.5	115.5	26.7	17781
075D	2965	6.7	111	28	25650
100D	3986	9.4	106	29	34487
125D	4964	12.3	100.9	29.8	42942

Energy and Performance Data - White Baffle (SQ2-WBM)

Continua SQ2 Suspended Performance (3500K)				Glare	
Lumen Package	Lumens/ft	W/ft	Lm/W	UGR (1-2)(4-6)	MAX LUMINANCE (3-6)
050D	2192	4.5	121.1	9.2	11485
075D	3263	6.9	118.2	10.6	17102
100D	4360	9.5	114.4	11.6	23007
125D	5446	12.4	109.6	12.4	28496

Energy and Performance Data - White Baffle (SQ2-WBN)

Continua SQ2 Suspended Performance (3500K)				Glare	
Lumen Package	Lumens/ft	W/ft	Lm/W	UGR (1-2)(4-6)	MAX LUMINANCE (3-6)
050D	2201	4.1	104	8	6309
075D	3276	6.0	104	9.3	9391
100D	4377	8.2	100	10.3	12547
125D	5478	10.9	94	11.1	15705

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.

KEY:

	Meets WELL v2
TEXT	Meets LEED v4.1

(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	
CRI	80+	90+	80+	90+	80+	90+
Lumen Multiplier	0.956	0.803	1.000	0.852	0.988	0.888
Melanopic Ratio	0.494	0.591	0.574	0.674	0.675	0.752

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

3500K / 90 CRI Desired
Lumen Adjustment Factor = 0.852

Adjusted Lumen Output = 744 lms/ft x 0.852 = 634 lms/ft

Energy and Performance Data - Black Baffle (SQ2-BBM)

Continua SQ2 Suspended Performance (3500K)				Glare	
Lumen Package	Lumens/ft	W/ft	Lm/W	UGR (1-2)(4-6)	MAX LUMINANCE (3-6)
050D	2008	4.5	110.9	0	10458
075D	2988	6.9	108.3	1.4	15710
100D	3993	9.5	104.8	2.3	20710
125D	4997	12.5	100.3	3.1	26119

Energy and Performance Data - Black Baffle (SQ2-BBN)

Continua SQ2 Suspended Performance (3500K)				Glare	
Lumen Package	Lumens/ft	W/ft	Lm/W	UGR (1-2)(4-6)	MAX LUMINANCE (3-6)
050D	2017	4.5	111.4	0	5327
075D	3002	6.9	108.8	0	7930
100D	4011	9.5	105.3	0	10595
125D	5020	12.5	100.8	0	13260

Energy and Performance Data - Perceive™ Lenses

Glare								
	Honeycomb (PH1)		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)
050D	25.1	15413	23.4	15253	23.5	15573	23.2	15502
075D	26.4	22233	24.7	22003	24.8	22464	24.5	22361
100D	27.4	29894	25.7	29583	25.8	30204	25.5	30065
125D	28.2	37223	26.5	36838	26.6	37609	26.2	37434

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.

KEY:

	Meets WELL v2
TEXT	Meets LEED v4.1

(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	
CRI	80+	90+	80+	90+	80+	90+
Lumen Multiplier	0.956	0.803	1.000	0.852	0.988	0.888
Melanopic Ratio	0.494	0.591	0.574	0.674	0.675	0.752

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

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

3500K / 90 CRI Desired
Lumen Adjustment Factor = 0.852

Adjusted Lumen Output = 744 lms/ft x 0.852 = 634 lms/ft

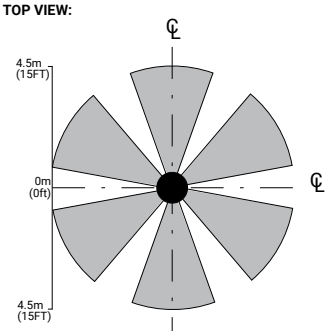
Control Solutions

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

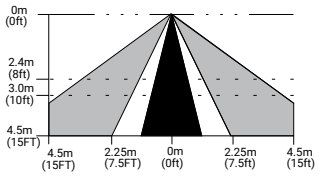
WaveLinx Digital Lighting Control Solutions

Integrated Sensor Coverage Pattern

TOP VIEW:



SIDE VIEW:



***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 SQ2 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.

SQ2R Recessed with Integrated Sensor - Endcap

Add a hidden WaveLinx sensor node (WPN, WLN) to your space lighting design!

Allows to:

- Keeps luminaire aesthetics
- Connect fixtures without the real estate to include sensor option such as downlights
- Connect sealed fixtures without a standard sensor option such as products for clinical space.

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	
WLN		X			
WPS		X	X	X	X
WPN		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

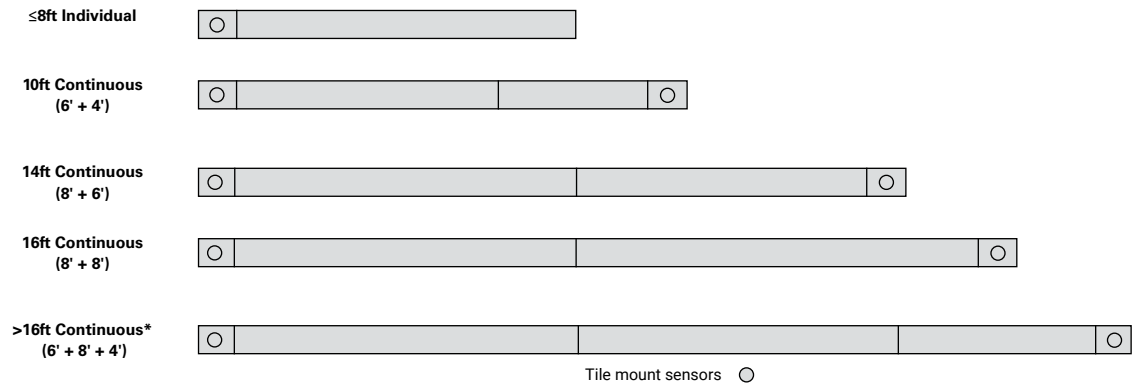
Occupancy	Yes	Yes	Yes	Yes	Yes
Daylighting	Yes	Yes	Yes	Yes	Yes
Wallstations	–	Yes	Yes	Yes	Yes
Gateways	–	–	–	1 WAC	300 WACs
Devices (MAX)	–	40 per Area (1120 per space)	40 per Area	200 per WAC2	32,500 per CORE Enterprise
Software	–	WaveLinx LITE Mobile App	WaveLinx CAT Mobile App	WaveLinx Mobile App	CORE
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

Integrated Sensor Details and Placement

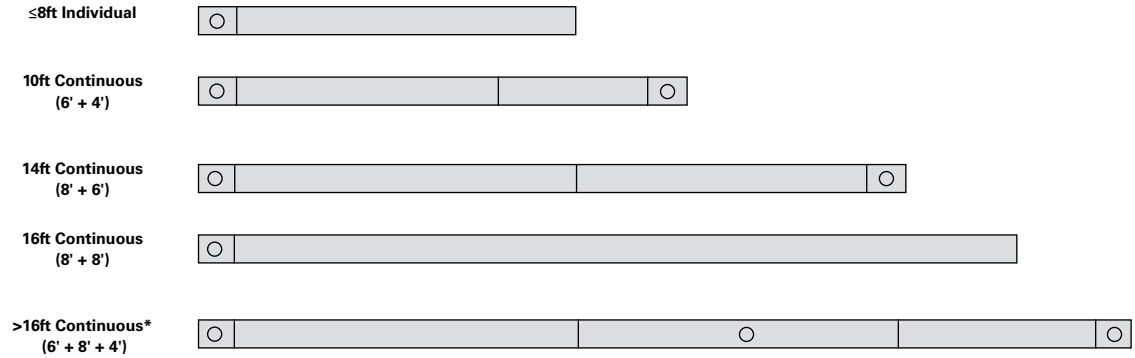
Sensor Type	Wireless	Sensor Integration	Sensor Mounting	Ordering Code
WaveLinx	Yes	Integral to Fixture or Tile Mount	Mounted in solid cover	WAA/WAB
LumaWatt Pro (enlighted)	Yes	Integral to Fixture or Tile Mount	Mounted in illuminated lens	LWIPD1

○ Standard Sensor with Luminaire Control

CONTINUOUS ROLL LENS / PERCEIVE SENSOR LAYOUT EXAMPLES



DISCREET OPTICS SENSOR LAYOUT EXAMPLES



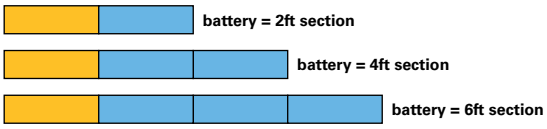
Battery Integration

Non-Battery section

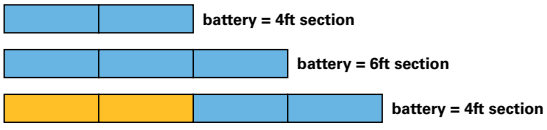
Battery section

Discreet Baffles (Grid Ceilings)

IND/BOR POSITION



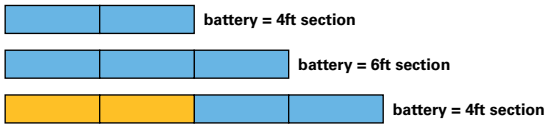
INT/EOR POSITION



INT/POSITION (with in-line sensor)

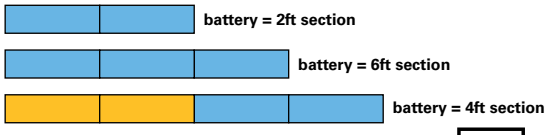
Discreet Baffles (Non-Grid Ceilings)

ALL POSITIONS



Continuous Lens (Grid Ceilings)

ALL POSITIONS



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Specifications and dimensions subject to change without notice.