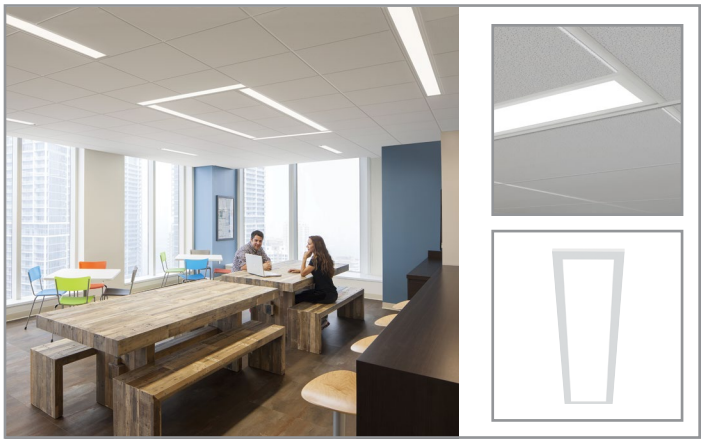
Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	



Metalux

RBG

4" Aperture, 6" Width lines of light
2', 4', 8' Lengths

Typical Applications

Office • Classroom • Restroom • Corridor • Retail

Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Control Solutions page 5
- Connected Systems page 5
- Product Warranty

Product Certification

c UL us LISTED · DLC · RoHS COMPLIANT · FC · NEMA · damp location · Efficiency Standards T24 Can be used to comply with California Title 24 Non-Residential · IC RATED · ISTI SYSTEMS CERTIFIED

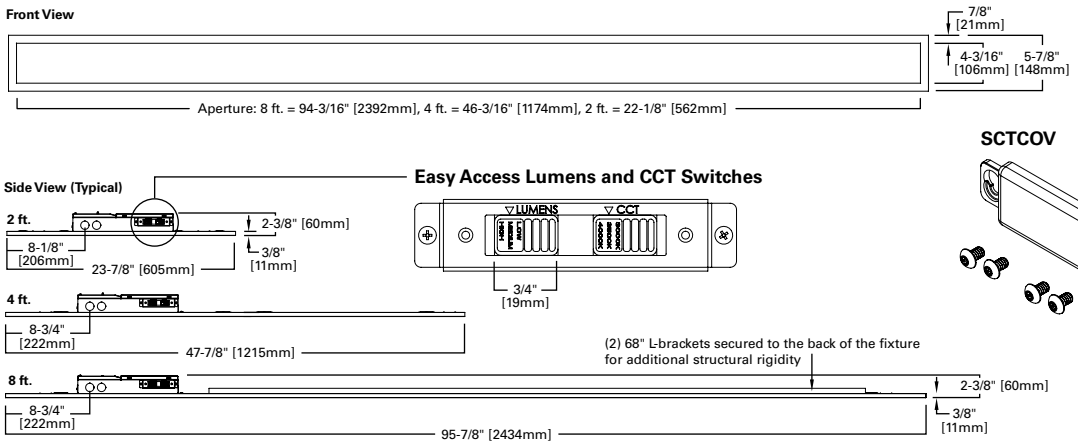
Product Features

seleCCTable colors · selectable lumens · Connected Systems · IP40 · LINEAR DISCONNECT Safe and convenient means of disconnecting power · MWS MODULAR WIRING SYSTEM CLICK HERE

Top Product Features

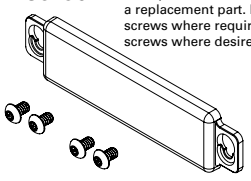
- Minimal fixture depth ideal for shallow plenum
- Simple switch to adjust lumens and CCT on site as desired
- Tamper proof cover enables DLC rebates at all wattage levels
- 2', 4', and 8' sizes available
- Continuous row flex accessory enables continuous runs with a single feed point

Dimensions



SCTCOV

Transparent cover is included and available as a replacement part. Includes tamper proof screws where required and standard Phillips screws where desired.



Phillips Head screws

Center reject torx screw - T8

additional product diagrams

Stock Products

(All stock products feature lumen select (500, 750 or 1000 lumens per foot) and CCT select (3000K, 3500K or 4000K), and 10% - 100% 0-10V dimming)

Catalog Number	UPC	Description
2RBG6-SL1-L8SCT3	080083865826	4 3/16" Aperture Slot, 6" grid spacing, 2' length, lumen and CCT selectable, 10% - 100% 0-10V dimming
4RBG6-SL1-L8SCT3	080083866465	4 3/16" Aperture Slot, 6" grid spacing, 4' length, lumen and CCT selectable, 10% - 100% 0-10V dimming
8RBG6-SL1-L8SCT3	080083866502	4 3/16" Aperture Slot, 6" grid spacing, 8' length, lumen and CCT selectable, 10% - 100% 0-10V dimming

Order Information

Some combinations are limited. Reference the online Product Configurator to confirm MTO (make-to-order) options.

SAMPLE ORDER NUMBER: 4RBG6-SL1-L8SCT3-SWPD1-U

Rating | Series | Mounting | Lumen Output | Efficacy | Voltage | Emergency

Rating	Series	Mounting	Lumen Output	Efficacy	Voltage	Emergency (6), (7)
[Blank]=Standard	**2RBG6**=2' Length, 6" Grid **4RBG6**=4' Length, 6" Grid **8RBG6**=8' Length, 6" Grid	**[Blank]**=Recessed or Surface/Suspension Mounting (1)	**SL1**=Selectable Lumens 500, 750 and 1000 lumens per foot (2), (3) **50D**=500 lms/ft. **75D**=750 lms/ft. **100D**=1000 lms/ft.	**[Blank]**=Standard	**[Blank]**=Universal Voltage 120-277 **347V**=347 Volt (4) **48V**=48 Volt Low-voltage (Class 2) (5)	**[Blank]**=None **EL7W**=7-watt, 120V-277V emergency battery pack installed **EL14W**=14-watt 120V-277V emergency battery pack installed **ETRD**=Emergency Transfer Relay with dimming control
	Notes	**Notes** (1) With optional mount kit.	**Notes** (2) Available with standard driver only. (3) Lumen selectable and CCT selectable only available together, with a standard 0-10V dimming (10%) driver.		**Notes** (4) Offered with UNV (Blank) and HCD drivers only. (5) 2' unit only at 1000 lms/ft.	**Notes** (6) In Emergency mode the fixture will default to 4000K regardless of the CCT setting. (7) Integrated EM is not available on the 2 foot options.

CCT | Factory Wiring | Driver Type | Integrated Sensing System | Packaging

CCT	Factory Wiring	Driver Type	Integrated Sensing Systems (14)	Packaging
L8SCT3=80CRI, Selctable CCT 3000K, 3500K, 4000K (8) **L830**=80 CRI, 3000K **L835**=80 CRI, 3500K **L840**=80 CRI, 4000K	**90-A3/8-4/18GDIM**=3/8" Flex with 0-10V Dimming Leads **90-A3/8-5/18GDIM**=3/8" Flex with 0-10V Dimming Leads, with red wire for EM control	**[Blank]**=10% dimming with Lumen and CCT selection switches (10%-100%) **HCD**=0-10V Dimming Driver (1%-100% Dimming) (9) **SR**=Sensor-ready Dimming Driver for LWIPD1 option (1%-100% Dimming) (B), (10) **5LTD**=Fifth Light DALI Driver (10%-100% Dimming) (E), (10), (11) **5LTHD**=Fifth Light Dimming Driver (1%-100% Dimming) (E), (12) **LV**=DLVP Dimming Driver (0%-100% Dimming) (C) **SD**=Step Dimming Driver (50% or 100% Dimming) (13) **LH**=Lutron HiLume (LDE1 series) 1%-100% EcoSystem Driver with Soft-on Fade to Black dimming (F) **L5**=Lutron 5 Series (LDE5-Series) 5%-100% EcoSystem Driver (F)	**SWPD1**=WaveLinx Wireless Integrated Sensor (A) **LWIPD1**=Enlighted Wireless Integrated Sensor (B), (15), (16) **LWTPD1**=Enlighted Wireless Tile-mount Sensor (B), (17) **SLVPD1**=DLVP Low-voltage Integrated Sensor (C) **SVPD1**=0-10V Stand-alone Integrated Sensor (D)	**[Blank]**=Unit Pack
Notes (8) Lumen selectable and CCT selectable only available together, with a standard 0-10V dimming (10%) driver.	**Flexible Metal Conduit Options** Most common options listed. Multiple flex options are available for use in 0-10V dimming control, DALI dimming control and/or emergency. Use online configurator to specify other options. This option is factory-installed and pre-wired to driver, fitted to luminaire junction box with 90° enclosed FMC connector. Not all options may be combined and installation ratings vary by type. Also available as an accessory for field installation for row mounting with 14Ga. wires. See notes in accessories section. **Notes**: Factory installed dimming option 3/8" flexible metal conduit with 2-#18 power and ground wires and 2-#18 UL-listed jacketed 0-10V +/- control wires.	**Notes** (9) 2' unit only at 1000 lms/ft. (10) Not available on the 2' version. (11) 347V 1% dimming not available at 750 or 1000 lm/ft for the 8' version. (12) 1% Dali driver not available at 1000 lm/ft for 8' version. (13) Step dimming not available in 2' version and limited to 750 and 1000 lm/ft settings on the 4' version. (B) Consult Enlighted system pages for additional details and compatibility. (C) Consult DLVP system pages for additional details and compatibility. (E) Consult Fifth Light system pages for additional details and compatibility. (F) Consult Marketplace Options - Lutron system pages for additional details and compatibility. Compatible only with driver series shown. Requires field commissioning to operate or dim. Contact Lutron at www.lutron.com.	**Notes** (14) Sensors available with the 4' and 8' versions. (15) Step dimming not available in 2' version and limited to 750 and 1000 lm/ft settings on the 4' version. (16) Available with SR driver option only. (17) This option for use with Enlighted on 2' units or when combined with an integrated EM. (A) Consult WaveLinx system pages for additional details and compatibility. (B) Consult Enlighted system pages for additional details and compatibility. (C) Consult DLVP system pages for additional details and compatibility. (D) Consult SVPD series system pages for additional details and compatibility.	

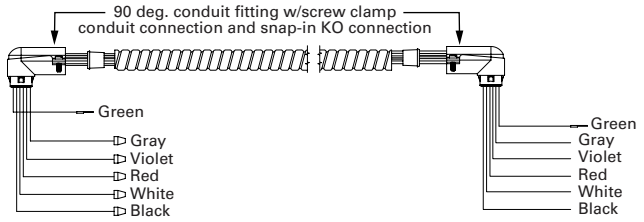
Accessories

Accessories
2RBSURF6=2' surface/suspension mount kit **4RBSURF6**=4' surface/suspension mount kit **8RBSURF6**=8' surface/suspension mount kit **DF-62W-U**=Drywall Flange Kit, 6" x 2' **DF-64W-U**=Drywall Flange Kit, 6" x 4' **DF-68W-U**=Drywall Flange Kit, 6" x 8' **SCTCOV-PK**=Selectable CCT and lumen switch, tamper-resistant replacement cover accessory. Kit is included with each product. **90-5-14GDIM-6**=Five 14 gauge conductor conduit assembly 72" for use with 2' and 4' versions (18) **90-5-14GDIM-9**=Five 14 gauge conductor conduit assembly 108" for use with 8' version (18) **FPEQ**=Earthquake clip kit for use where required
Notes (18) 14A Rated, max. units per feed @120V: 2'=23, 4'=17, 8'=10; @277V; 2'=66, 4'=47, 8'=26

Flex Assembly (Conduit)

3/8" metal conduit with snap-in 90 degree fitting used for continuous runs from one electrical feed. See notes in accessories for more details.

Catalog	UPC	Description
90-5-14GDIM-6	80083909766	90 Degree connector, 5 wire with EM and Dimming, 6' length
90-5-14GDIM-9	80083909780	90 Degree connector, 5 wire with EM and Dimming, 9' length



Product Specifications

Construction

- Ideal for use in shallow plenum or low ceiling spaces
  - under 2-3/8" with room to spare in tight spaces
- Aluminum extruded frame, precision welded and ground for a seamless appearance
- Architectural matte white powder coat paint
- Steel back plate, attached to the frame with multiple screws to ensure a tight fit
- Integral grid clips
- Junction / wiring box incorporates 8 qty. 7/8" KO's (2 on the top, 2 each on 3 sides of the box) for quick and easy electrical entry from a variety of directions
- Factory or field installed flexible conduit with dimming leads options available.

Integrated Controls

- Wavelinx sensor compatible for IoT capability
- Enlighted sensor available for IoT capability
- SVPD sensor compatible for out of the box functionality
- DLVP sensor and driver compatible for low voltage applications

LED and Light Engine

- Stock driver enables selectable lumens and color
  - approximately 500, 750 or 1000 lumens per foot AND 3000K, 3500K or 4000K CCT with easy access selector switch
- UNV 120 - 277V driver with 0-10V dimming to 10% standard
- 347V version available
- 48V - Low Voltage version available
- DALI 2.0, 1% dimming, Lutron and Step dimming versions available in fixed lumens and fixed colors in 3000K, 3500K or 4000K.

Emergency Battery Options

- Optional 120-277V emergency battery available in 7W or 14W
- 90-minute backup period for code compliance
- Generator transfer option available

Optical System

- Acrylic light guide with embossed optical control features optimizes light extraction
- Scratch and impact resistant diffuser provides uniformity and reduced glare at the aperture

Compliance

- cULus listed for 25C ambient environments
- IC rated for direct insulation contact
- RoHS compliant
- Damp location listed standard
- IP40 - ingress protection
- IESNA LM-79 and LM-80 compliant
- NEMA 410 compliant
- DesignLights Consortium qualified and classified for DLC Standard
- Can be used for State of California Title 24 high efficacy luminaire

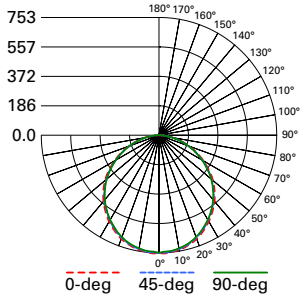
Warranty

- Five year warranty standard
- Ten year warranty available

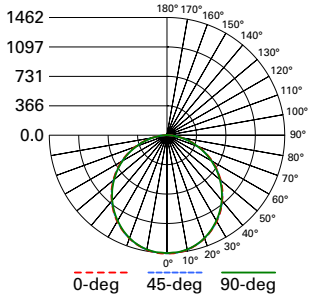
Photometric Data

Note: The suffix "-Hi", "-LO", "-Mid" represents the lumen selector switch setting. This is not part of the catalog number.

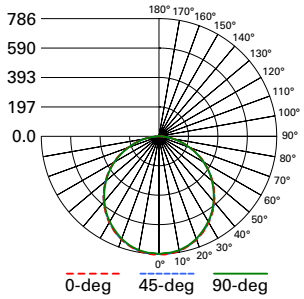
View IES files



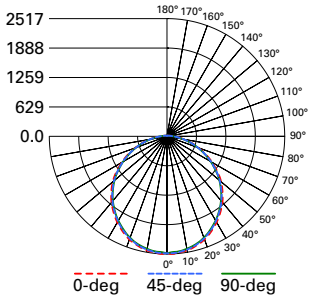
2RBG6-SL1-L8SCT3-3500K-HI
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.26 x mounting height, (⊥) 1.24 x mounting height
Lumens: 2090
Input Watts: 19.4W
Efficacy: 107.7 LPW
Test Report: 2RBG6-SL1-L8SCT3-3500K-HI.IES



4RBG6-SL1-L8SCT3-3500K-HI
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.25 x mounting height, (⊥) 1.24 x mounting height
Lumens: 4174
Input Watts: 36.1W
Efficacy: 115.6 LPW
Test Report: 4RBG6-SL1-L8SCT3-3500K-HI.IES



4RBG6-SL1-L8SCT3-3500K-LO
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.25 x mounting height, (⊥) 1.24 x mounting height
Lumens: 2241
Input Watts: 18.3W
Efficacy: 122.5 LPW
Test Report: 4RBG6-SL1-L8SCT3-3500K-LO.IES



8RBG6-SL1-L8SCT3-3500K-MID
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.26 x mounting height, (⊥) 1.24 x mounting height
Lumens: 7052
Input Watts: 62.1W
Efficacy: 113.5 LPW
Test Report: 8RBG6-SL1-L8SCT3-3500K-MID.IES

Energy and Performance Data by Catalog Number

Catalog No.	UPC	Size	CCT	Lumen Output			Wattage			Efficacy		
				Lumen Setting			Lumen Setting			Lumen Setting		
				Low	Medium	High	Low	Medium	High	Low	Medium	High
2RBG6-SL1-L8SCT3	080083865826	2FT	3000	1176	1722	2031	10.9	16.1	19.4	107.9	107	104.7
			3500	1207	1763	2090	10.8	16.1	19.4	111.8	109.5	107.7
			4000	1223	1790	2107	10.8	16	19.4	113.2	111.9	108.6
4RBG6-SL1-L8SCT3	080083866465	4FT	3000	2203	3258	4100	18.3	27.6	36.1	120.4	118	113.6
			3500	2241	3315	4147	18.3	27.7	36.1	122.5	119.7	114.9
			4000	2262	3339	4195	18.2	27.5	35.9	124.3	121.4	116.9
8RBG6-SL1-L8SCT3	080083866502	8FT	3000	4704	6888	8124	41.7	62.1	74.8	112.8	110.9	108.7
			3500	4828	7052	8360	41.4	62.1	74.8	116.6	113.5	111.8
			4000	4892	7160	8428	41.4	62.1	74.8	118.1	115.3	112.7

Note: DLC listings are separate for each wattage selection.

Lumen Maintenance

Size		Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours) [1]	Theoretical L70 (hours) [2]
2'	4'	25°C	90%	200,000
8'		25°C	89%	175,000

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.

Load Data (Stock UNV Products)

	2'	4'	8'
Thd	< 20%		
Power Factor	> .9		
Weight (lbs.)	3.8	6.6	15
Low Temp. Start	-20°C		

Shipping Data (Stock UNV products)

Size	Pallet Size	Wt.	Units per Pallet
2'	54" x 48"	4.6 lbs.	140
4'	54" x 48"	6.7 lbs.	75
8'	100" x 48"	13.7 lbs.	65

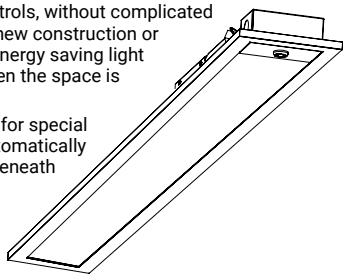
Control Systems

- WaveLinx
- DLVP
- Enlighted
- iLumin Plus
- VividTune

Integrated Sensor

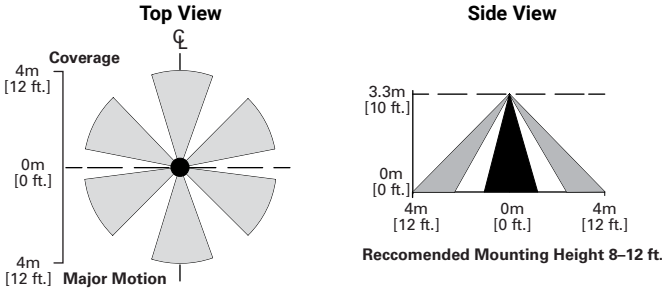
The RBG with Integrated Sensor technology provides automatic energy savings without sacrificing performance.

Capture the benefits of traditional lighting controls, without complicated coverage planning or special wiring. Ideal for new construction or retrofit, the RBG delivers automatic ON to an energy saving light level, while ensuring lighting is turned OFF when the space is unoccupied.



The integral daylight sensor reduces the need for special daylight zone planning. Each luminaire will automatically adjust the light level based on reflected light beneath the sensor in a closed loop method.

The integral sensor can be offered in both standalone (SVPD1) and networked (SWPD1, LWIPD1, and SLVPD1) for application versatility.



Installation of integrated sensors within 3-ft (1m) of HVAC air vents is not recommended.

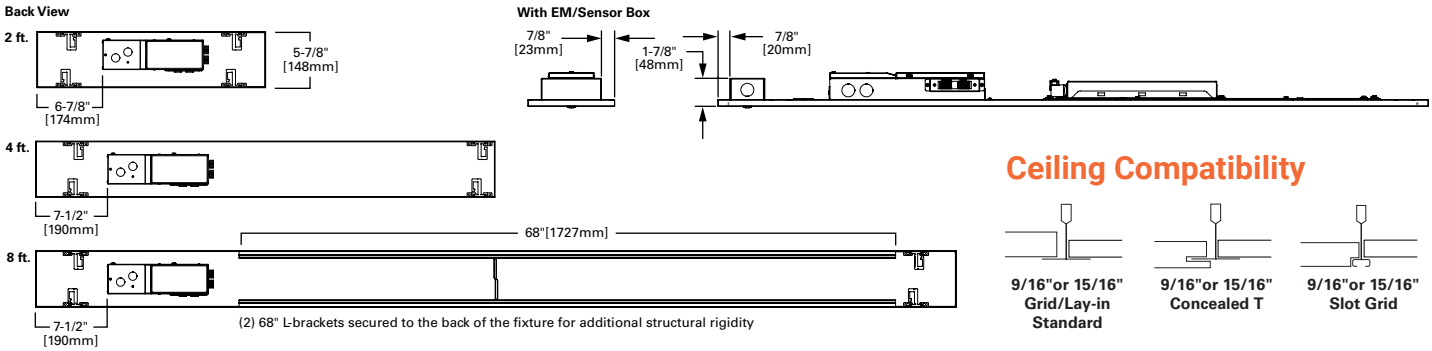
Systems comparison chart

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

Connected Systems CLICK HERE

	Distributed Low-Voltage Power System	WaveLinx	Enlighted
Space type	**Interior**	**Interior/Outdoor**	**Any**
Stand-alone or Network	**Stand-alone**	**Both**	**Network**
Need-based feature progression			
Basic compliance only	●	●	●
Occupancy sensing	●	●	●
Daylight harvesting	●	●	●
Zone control	●	●	●
Scheduling	●	●	●
0-10V dimming	●	●	●
Individual fixture control	●	●	●
Retrofit+Building Integration	●	●	●
Total wireless connectivity		●	●
A/V integration		●	●
BMS integration		●	●
UI options (touchscreen, apps, etc.)		●	●
Enterprise level building integration		●	●
Facility management & tools		●	●
Floor plan & reporting tools			●
Value-added services			●
Asset tracking			●
API integration		●	●
Analytics/higher problem solving			●

Back Details



Ceiling Compatibility

9/16"or 15/16" Grid/Lay-in Standard

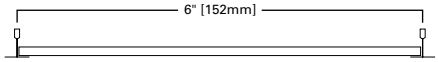
9/16"or 15/16" Concealed T

9/16"or 15/16" Slot Grid

Mounting Choices

Grid

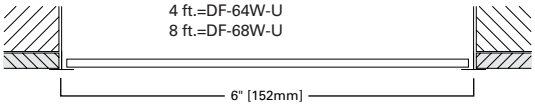
9/16", 15/16" Inverted T, Slot Grid



9/16"or 5/16" T-grid

Hard Ceiling Recessed

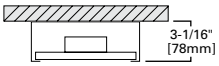
Use drywall frame kit: 2 ft.=DF-62W-U
4 ft.=DF-64W-U
8 ft.=DF-68W-U



See accessory section for ordering information

Surface/Suspension

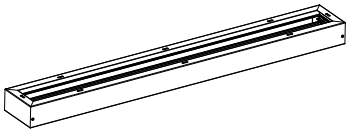
Use 2RBSURF6, 4RBSURF6, 8RBSURF6



(Surface mount box may be suspended. One CCA-48-PFSDIM-U and one CCA-48-NPF-U are recommended for 2 point suspension up to 48 inches. Other lengths are available. See website for details.

Surface/Suspension Mount Box Detail

Length	Catalog	UPC	Distance between slots on the long rail (center-to-center)	Distance between slots on the short rails (center-to-center)	Slot quantity on the long rail	Slots size
2 ft.	2RBSURF6	080083873937	16" [406mm]	22-13/16" [579mm]	2	1/4" [6mm] x 13/16" [20mm]
4 ft.	4RBSURF6	080083873951	16" [406mm]	46-13/16" [1189mm]	3	1/4" [6mm] x 13/16" [20mm]
8 ft.	8RBSURF6	080083873982	16" [406mm]	94-13/16" [2408mm]	6	1/4" [6mm] x 13/16" [20mm]



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Specifications and dimensions subject to change without notice.