

# SAE202

RECESSED LED WALL/SLOT SAE 202

## FEATURES

- Vi Technology for specifiable output/wattage
- System connectors allow continuous slot around room, even around corners
- Easy installation with wall-mounting rail and hook-and-lock system
- Floating ceiling effect



## RELATED PRODUCTS

⌘ [SAE201](#)

## SPECIFICATIONS

### CONSTRUCTION

- Housing - Die-formed steel
- Fixture Support Rails - Extruded aluminum wall-mounted rail that provides fixture support and, along with provided splines, ensures fixture alignment. Provides reveal at wall to compensate for wall construction irregularities. White color.

### OPTICAL PERFORMANCE

- 2 SDCM color consistency
- Diffuser BWO - Blade Baffle, White. 3/8" high and 1/2" OC painted steel. Only available in S/ position.
- Diffuser SGL - Soft Glow Lens. Extruded, frosted acrylic. Available in R/ or S/ position.

### INSTALLATION

- Each row joining used #8-32 machine screws/nuts for pulling the fixture flush at the end header location.

### ELECTRICAL

- 1C (1 Circuit) Fixture wired for a single circuit.
- Lens, LED boards and drivers can be accessed and removed from installed fixture. LED boards can be replaced either individually or as part of module.

### CERTIFICATIONS

- CSA listed for damp locations
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction. Materials under Trade Agreements effective 8/14/2020. See [Buy American Act Solutions](#). Contact factory for configurations including NX or sensors.

### WARRANTY

- LED boards - 5 years
- LED drivers (standard)- 5 years
- See [www.litecontrol.com](http://www.litecontrol.com) for details

KEY DATA	
Lumen Range Per Foot	400-1100
Wattage Range Per Foot	84-94
Efficacy Range (LPW)	84-97
Rated Life (Hours)	L70: >61,000 L90: up to 66,000

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## ORDERING GUIDE

Example: SAE202-DW-2-2-R/-BWO-C1-27K-D040-D01-1C-UNV-EC

CATALOG # \_\_\_\_\_

SAE	202						
Program	Series	Ceiling Type	Row Length (In Feet)	Max Length in Row	Shielding Position	Diffuser	Finish/Color <sup>2</sup>
SAE SAE Program	202 202 Recessed Linear Wall/Slot	DW Drywall G Grid	___' Enter in foot increments	2 2', 609mm 3 3', 914mm 4 4', 1219mm 6 6', 1829mm 8 8', 2438mm	R/ Regressed Lens S/ Shielding at Top	BWO Blade Baffle with Overlay <sup>3</sup> SGL Soft Glow Lens	C1 Matte White

Color temperature	Output/ft <sup>4</sup>	Driver	Circuiting	Voltage	Straight Run Termination
27K 2700K	D040 400	D01 1% Dimming, 0-10V	1C 1 Circuit	UNV Universal Voltage (120V through 277V)	_EC End Cap. Enter quantity
30K 3000K	D110 1100	D00 1% Dim-to-Off, 0-10V		347 347 Volt <sup>1,5</sup>	_SE Straight Extension, 2" - 12." Enter quantity
35K 3500K		DS1 1% Dimming w/ Soft Start, 0-10V			
40K 4000K		DS0 1% Dim-to-Off w/ Soft Start, 0-10V			
50K 5000K <sup>1</sup>		LEC Hi-Lume 1% EcoSystem LED driver			
27K9 2700K, 90 CRI		LTW Hi-Lume 1% 2-wire LED driver (120V forward phase only)			
30K9 3000K, 90 CRI		DALI DALI <sup>1</sup>			
35K9 3500K, 90 CRI		DALIP Powered DALI (2.0) <sup>1</sup>			
40K9 4000K, 90 CRI		NDM Non-Dimming			
50K9 5000K, 90 CRI <sup>1</sup>					

## OPTIONAL

Wall Color Shield	Chicago Environmental Air Modification	Nightlight	Emergency	Thru-wiring
WCS Wall Color Shield <sup>6</sup>	CCEA Chicago Environmental Air Modification	NL Nightlight Circuit Required <sup>7</sup>	EF 10W Emergency Battery Pack <sup>8</sup>	W1 No Thru Wire W2 Provide Normal and Emergency/ Nightlight Thru Wiring <sup>9</sup> W3 Provide Normal Thru Wiring Only

Notes:

- 1 Additional lead time may be applicable. Contact factory.
- 2 Visit [www.litecontrol.com/finishes](http://www.litecontrol.com/finishes) for details.
- 3 Only available with the S/ shielding options.
- 4 Specifiable in 50 lumens/ft increments.
- 5 Excludes Emergency Battery Pack 'EF' Option. Excludes DALI and DALIP Dimming Drivers
- 6 Only available with the R/ shielding options.
- 7 Enter quantity. 2NL = 2 nightlight circuits/row.
- 8 Enter quantity. 2EF = 2 Emergency batteries/row. Provides a minimum of 90 minutes of emergency lighting. Inverter-Compatible. Provided by others.
- 9 Only applicable when specified with emergency.

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## PERFORMANCE DATA TABLE

The table below shows the delivered lumens for the various lumen outputs. Use this chart in connection with the output multiplier capability to deliver any output required.

Nomenclature	Lumens/ft	W/unit	Efficacy
D040-S/	400	4.8	84
D050-S/	500	5.7	88
D060-S/	600	6.5	92
D070-S/	700	7.2	97
D080-S/	800	8.3	97
D090-S/	900	9.4	96
D100-S/	1000	10.6	94

Emergency Restrictions		Output
		D110
Option	S/ Shielding on 4'	Not Available
Option	R/ Shielding on 4'	Not Available

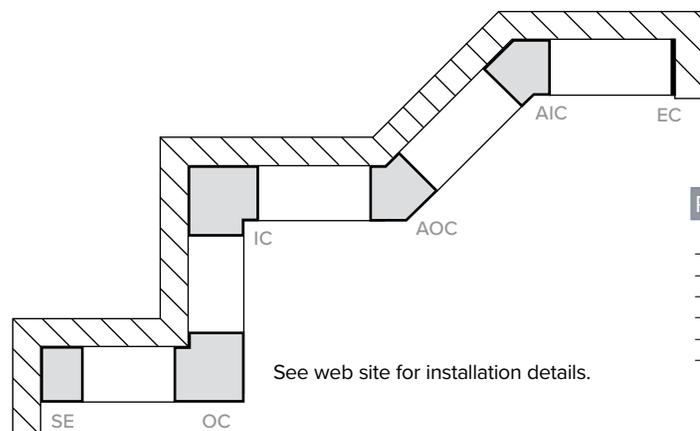
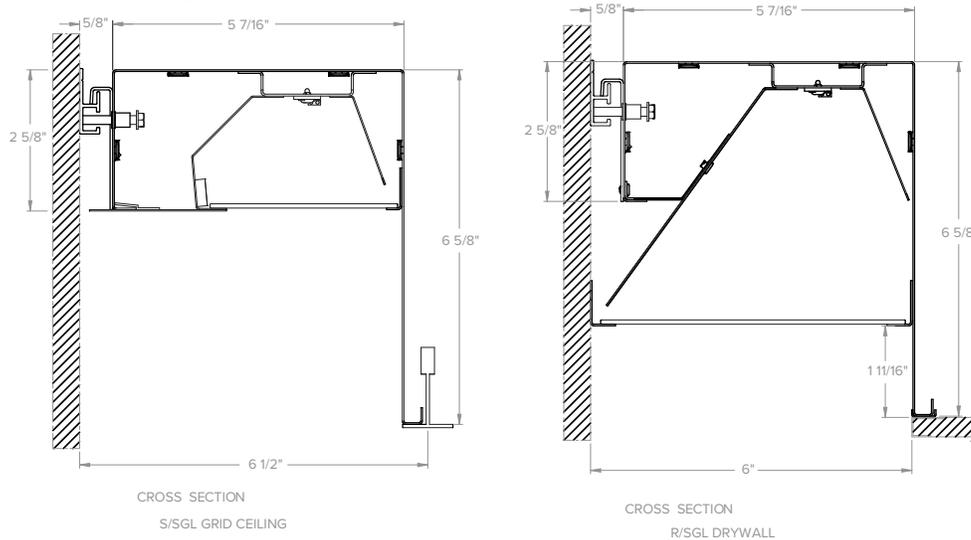
Based off of 4' S photometry  
12.5% Expected Loss for R option  
(Wattage may vary up to 5% from published)

### Output Multiplier Table

Photometrics for the SAE202 are published here at a nominal 3500K temperature. This table may be used to approximate the lumen values at different Kelvin temperatures. Power consumption would stay the same.

Option	2700K	3000K	3500K	4000K	5000K	2700K 90 CRI	3000K 90 CRI	3500K 90 CRI	4000K 90 CRI	5000K 90 CRI
Multiplier	0.95	0.98	1.00	1.03	1.05	0.83	0.85	0.88	0.90	0.93

## DIMENSIONS



### Product Specifications – System Connectors

- \_EC End Cap kit. Quantity Required.
- \_SE Straight Extension, 2"-12". Quantity Required.
- \_IC 90° Inside Corner, 8"-18". Quantity Required.
- \_OC 90° Outside Corner, 2" -11 1/4". Quantity Required.
- \_AIC 135° Angular Inside Corner, 4 1/2" -14 1/2". Quantity Required.
- \_AOC 135° Angular Outside Corner, 2"-11 1/2". Quantity Required.  
24" Length also available, contact factory.

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## PHOTOMETRY

### SAE202-XX-2-R-SGL-CX-35K-D040

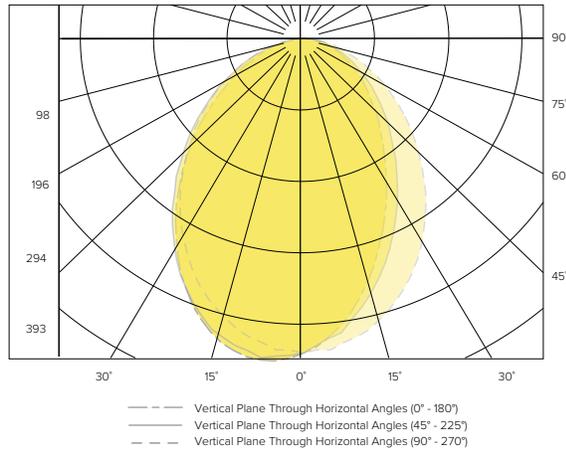
#### LUMINAIRE DATA

Test No.	R17.00734-01
Description	SAE202 Regressed Lens, Direct
Delivered Lumens	800
Watts	10.9W
Efficacy	74
Mounting	Wall/Slot

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	419	52.3
0-60	668	83.5
0-90	800	100.0
0-180	800	100.0

#### POLAR GRAPH



### SAE202-XX-2-R-SGL-CX-35K-D110

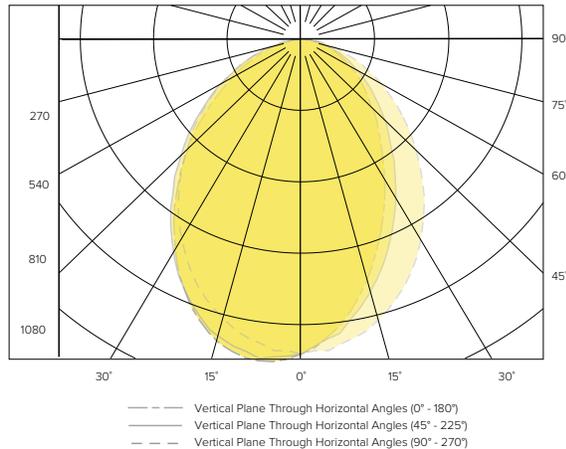
#### LUMINAIRE DATA

Test No.	R17.00734-02
Description	SAE202 Regressed Lens, Direct
Delivered Lumens	2200
Watts	27W
Efficacy	81
Mounting	Wall/Slot

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1151	52.3
0-60	1837	83.5
0-90	2200	100.0
0-180	2200	100.0

#### POLAR GRAPH



### SAE202-XX-2-S-SGL-CX-35K-D040

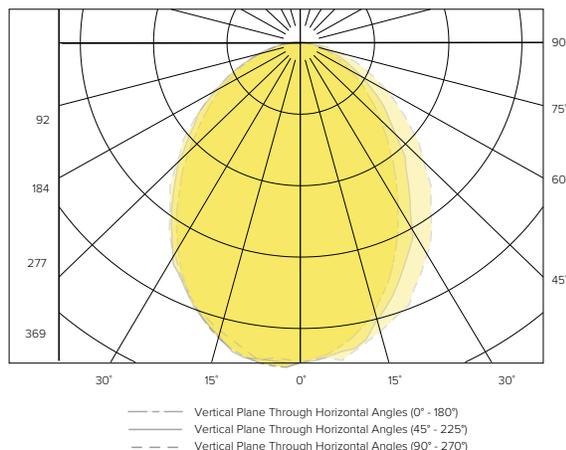
#### LUMINAIRE DATA

Test No.	R17.00602-01
Description	SAE202 Shielding at Top, Direct
Delivered Lumens	800
Watts	9.6W
Efficacy	84
Mounting	Wall/Slot

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	415	51.8
0-60	663	82.9
0-90	800	100.0
0-180	800	100.0

#### POLAR GRAPH



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## PHOTOMETRY (CONTINUED)

### SAE202-XX-2-S-SGL-CX-35K-D110

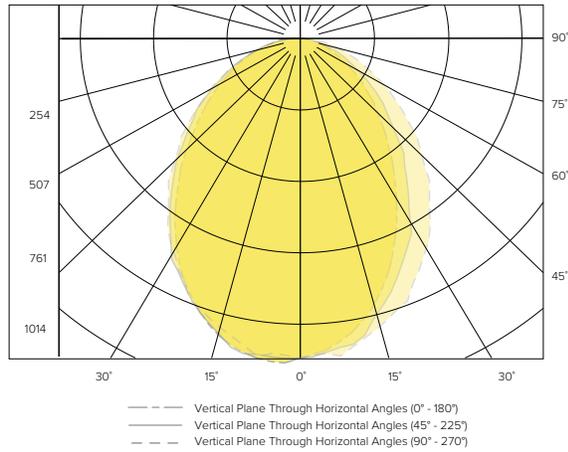
#### LUMINAIRE DATA

Test No.	R17.00602-02
Description	SAE202 Shielding at Top, Direct
Delivered Lumens	2200
Watts	25W
Efficacy	88
Mounting	Wall/Slot

#### ZONAL LUMEN SUMMARY

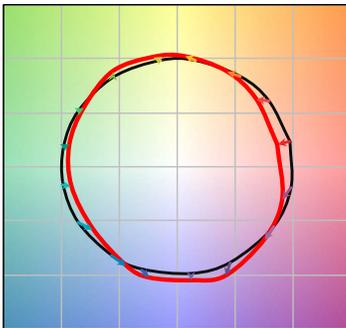
Zone	Lumens	% Luminaire
0-40	1140	51.8
0-60	1823	82.9
0-90	2200	100.0
0-180	2200	100.0

#### POLAR GRAPH

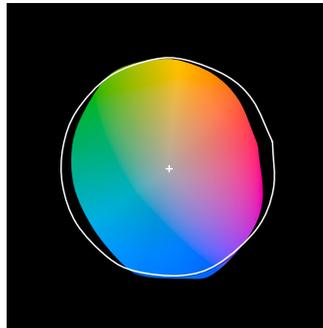


## TM-30 DATA

#### COLOR VECTOR GRAPHIC



#### COLOR DISTORTION GRAPHIC



\*Graphics shown are at 35K

— Reference Illuminant — Test Source

TEST RESULTS	
Value	35K
CCT (K)	3583
CIE R <sub>a</sub>	83
D <sub>uv</sub>	-0.0003
R <sub>f</sub>	82
R <sub>g</sub>	97
x	0.3989
y	0.3832

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## ADDITIONAL INFORMATION

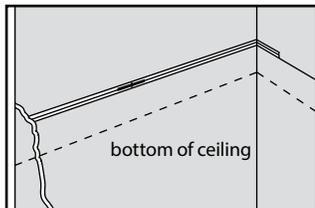
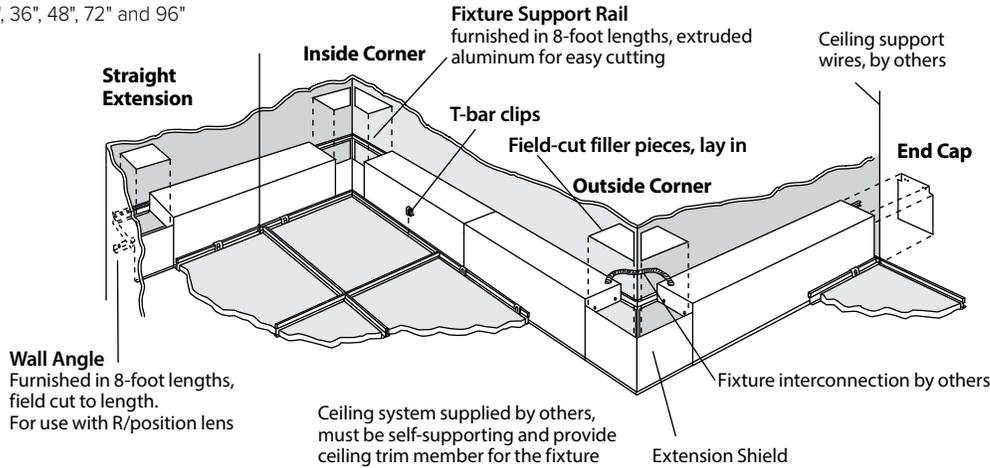
### Output (VI Technology)

Variable Intensity (VI) technology allows precise specification of fixture output/wattage. Fixture will be programmed and labeled to specification. See output section for available increments.

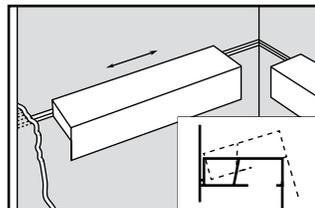
### Planning for Installation:

Finish of wall should extend 7" above ceiling. Continuous Fixture Support Rail is provided for ease of installation. Ceiling construction must be supported independently of the lighting.

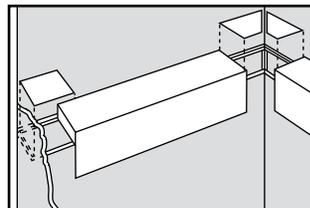
Fixture Lengths: 24", 36", 48", 72" and 96"



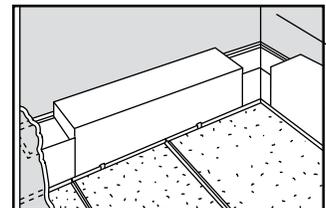
1. Install Fixture Support Rails on walls.



2. Hook fixtures on rail and slide into position.



3. Install extensions and corners.



4. Attach Extension Shields to components.

### Driver:

D01	100%- 1% dimming range. Fixture will be wired for low voltage 0-10V dimming control.
D00	Dim-to-Off 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control.
DS1	Soft-Start 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control.
DS0	Soft-Start Dim-to-Off 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control.
LEC	Hi-Lume 1% EcoSystem LED Driver with Soft-On, Fade-to-Black dimming technology.
LTW	Hi-Lume 1% 2-wire LED driver (120V forward phase only)
DALI	DALI compatible.
DALIP	Self-Powered DALI bus (e.g. DEXAL)
NDM	Non-dimming. Fixture will be wired for fixed light output.

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DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

## ADDITIONAL INFORMATION (CONTINUED)

**Fixture Weight:**

3.75 lbs/ft

**Rated Life:**

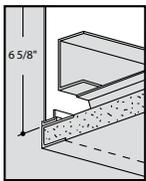
Test in accordance to the LM79-2008 and derived from EPA TM-21 calculator L70:

257,000 (calculated per TM-21 extrapolated curve)

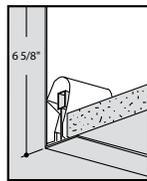
L70: >61,000 (reported per TM-21/LM80 6x's limitation)

L90: 66,000 (calculated per TM-21 extrapolated curve)

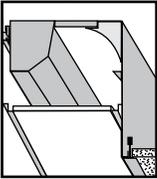
L90: >61,000 (reported per TM-21/LM80 6x's limitation)



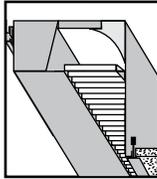
**DW** (Drywall/Plaster)



**G** (Lay-In Grid)



**R** (Regressed)



**S** (At Top)