

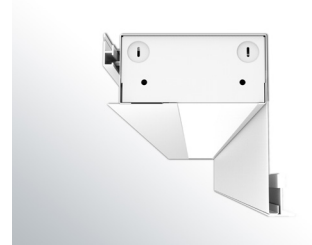
SAE202

RECESSED LED WALL/SLOT SAE 202

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____



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



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. Contact factory for configurations including NX Lighting Controls or sensors.

WARRANTY

- LED boards - 5 years
- LED drivers (standard)- 5 years

| 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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CATALOG #: _____

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 ² |
| 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 ³ SGL Soft Glow Lens | C1 Matte White |

| Color temperature | Output/ft ⁴ | 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 ^{1,5} | _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 ¹ | | 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 ¹ | | | |
| 35K9 3500K, 90 CRI | | DALIP Powered DALI (2.0) ¹ | | | |
| 40K9 4000K, 90 CRI | | NDM Non-Dimming | | | |
| 50K9 5000K, 90 CRI ¹ | | | | | |

OPTIONAL

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

Notes:

- 1 Additional lead time may be applicable. Contact factory.
- 2 Visit currentlighting.com/litecontrol 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 |

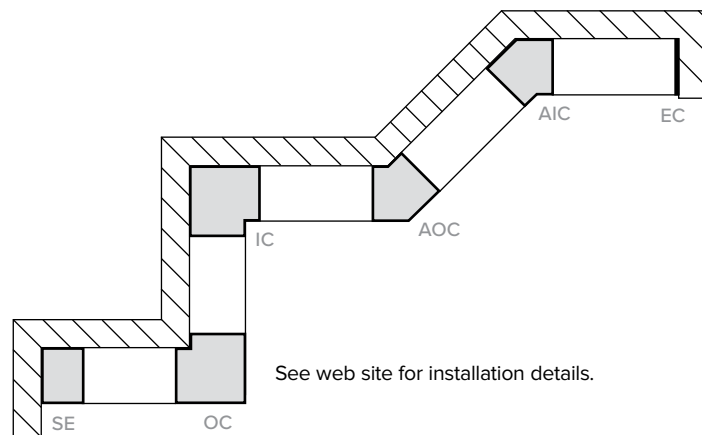
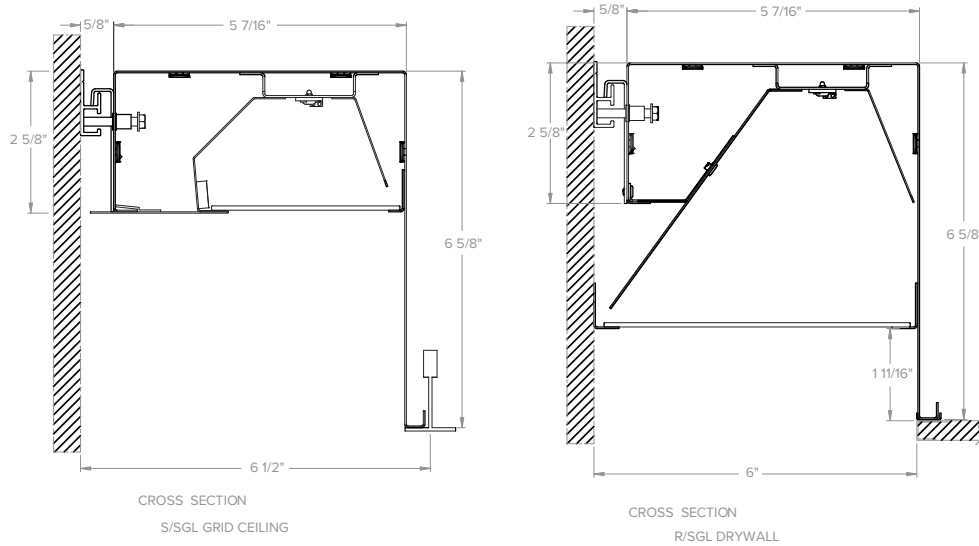
Based off of 4' S photometry
12.5% Expected Loss for R option
(Wattage may vary up to 5% from published)

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



See web site for installation details.

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

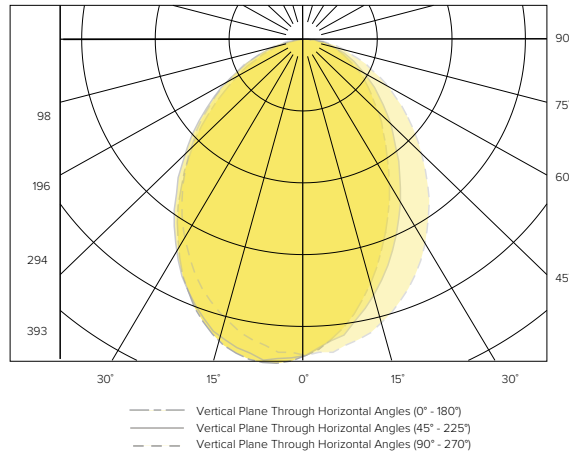
LUMINAIRE DATA

| | |
|------------------|-------------------------------|
| 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

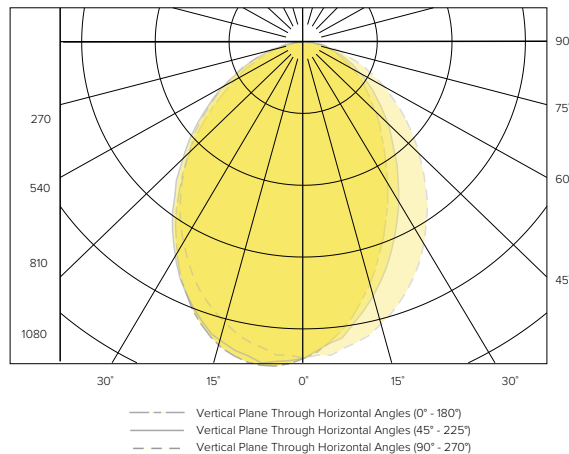
LUMINAIRE DATA

| | |
|------------------|-------------------------------|
| 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

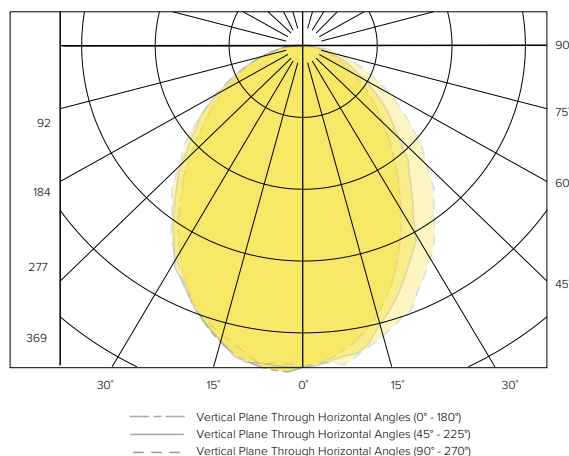
LUMINAIRE DATA

| | |
|------------------|---------------------------------|
| 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



SAE202

RECESSED LED WALL/SLOT SAE 202

PHOTOMETRY (CONTINUED)

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

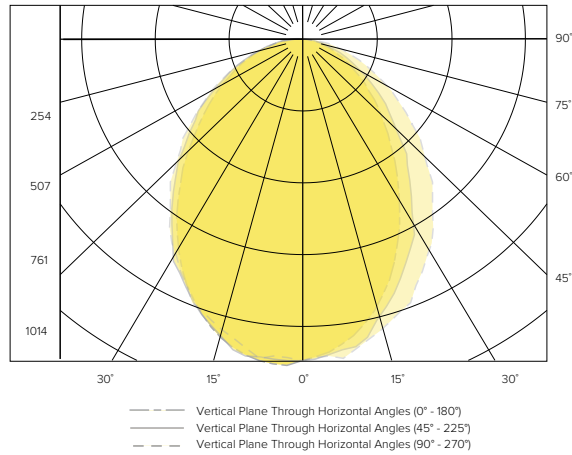
LUMINAIRE DATA

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

ZONAL LUMEN SUMMARY

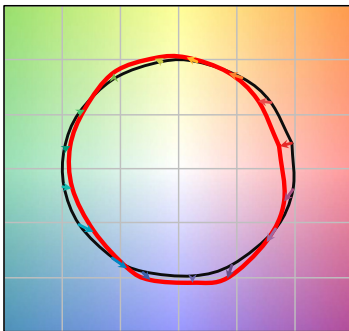
| Zone | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-40 | 1140 | 51.8 |
| 0-60 | 1823 | 82.9 |
| 0-90 | 2200 | 100.0 |
| 0-180 | 2200 | 100.0 |

POLAR GRAPH

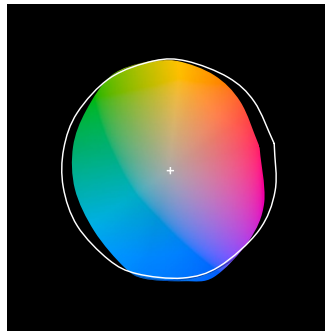


TM-30 DATA

COLOR VECTOR GRAPHIC



COLOR DISTORTION GRAPHIC



*Graphics shown are at 35K

— Reference Illuminant — Test Source

| TEST RESULTS | |
|--------------------|---------|
| Value | 35K |
| CCT (K) | 3583 |
| CIE R _a | 83 |
| D _{uv} | -0.0003 |
| R _f | 82 |
| R _g | 97 |
| x | 0.3989 |
| y | 0.3832 |

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ADDITIONAL INFORMATION

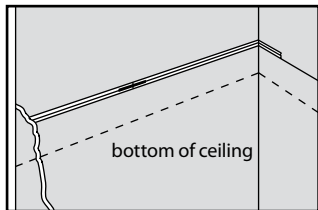
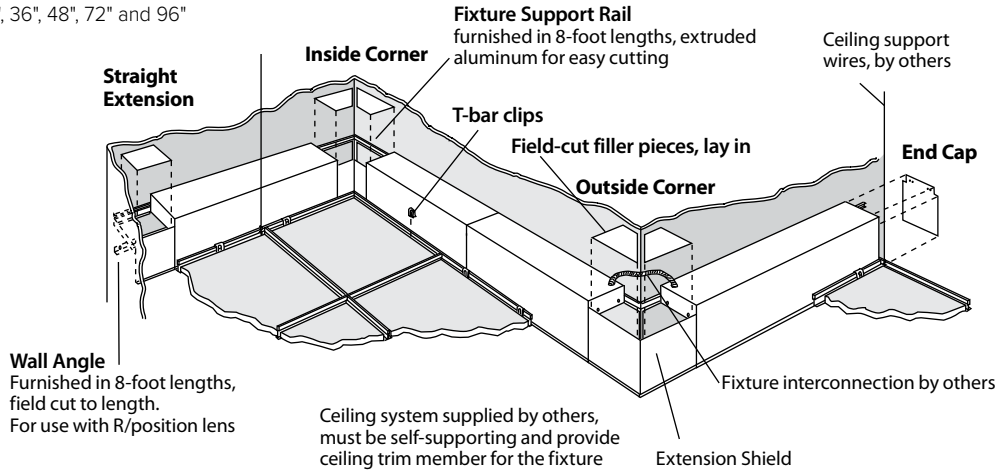
Output (VI Technology)

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.

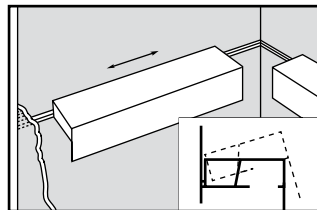
Planning for Installation:

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.

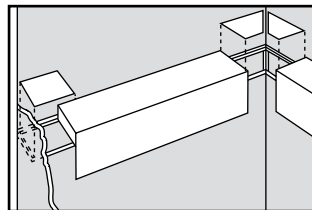
Fixture Lengths: 24", 36", 48", 72" and 96"



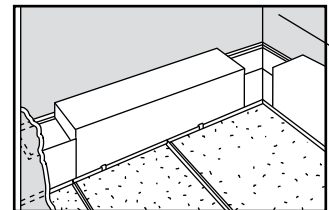
1. Install Fixture Support Rails on walls.



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: _____

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ADDITIONAL INFORMATION (CONTINUED)

Fixture Weight:

3.75 lbs/ft

Rated Life:

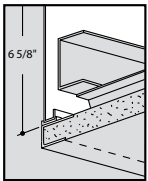
Test in accordance to the LM79-2008 and derived from EPA TM-21 calculator L70:

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

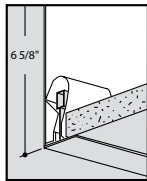
L70: >61,000 (reported per TM-21/LM80 6x's limitation)

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

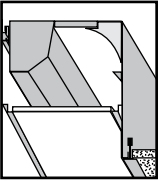
L90: >61,000 (reported per TM-21/LM80 6x's limitation)



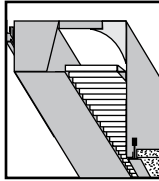
DW (Drywall/Plaster)



G (Lay-In Grid)



R (Regressed)



S (At Top)