

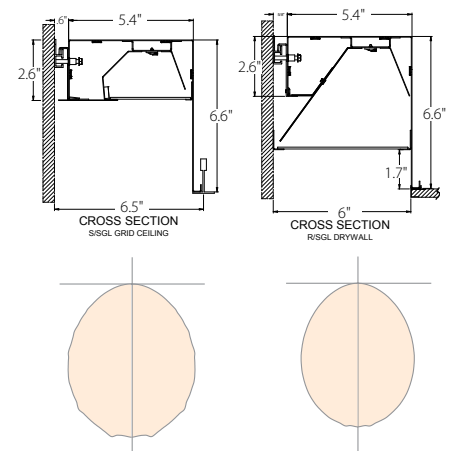
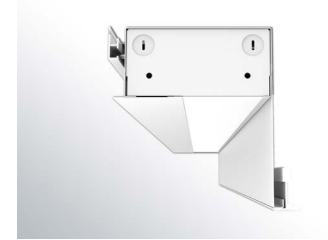
Recessed LED Wall/Slot SAE 202

Fixture Type:

Project Name:

Ordering Guide

Feature	Code	Options	Description
Program		SAE	SAE Program
Series		202	202 Recessed Linear Wall/Slot
Ceiling Type		DW	Drywall Ceiling
		G	Grid
Row Length (in feet)		___'	Enter in foot increments
Max Length in row		02	2', 609mm
		03	3', 914mm
		04	4', 1219mm
		06	6', 1829mm
		08	8', 2438mm
Shielding Position		R/	Regressed Lens
		S/	Shielding at Top
Diffuser		BWO	Blade Baffle with Overlay*
		SGL	Soft Glow Lens *S shielding only
Finish/Color		C1	Matte White
Color Temperature		30K	3000K
		35K	3500K
		40K	4000K
Output/ft (specifiable in 50 lumens/ft increments)		D040	400
		D100	1000
Driver		NDM	Non Dimming
		D01	1% Dimming, 0-10V
		LEC	Lutron Ecosystem Dimming
		LHI	Lutron Hi-Lume 3-wire Dimming
		LTW	Lutron Hi-Lume 2-Wire Dimming* *120V only
Circuiting		1C	1 Circuit
Voltage		UNV	Universal Voltage
		120	120 Volt
		240	240 Volt
		277	277 Volt
		347	347 Volt* *NDM and D01 only
Straight Run Termination		_EC	End Cap. Enter quantity.
		_SE	Straight Extension, 2" - 12." Enter quantity.



Key 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

Performance

Nomenclature	Lumens/ft	W/ft	Efficacy
D040-S/	400	5.41	74
D050-S/	500	6.39	78
D060-S/	600	7.38	81
D070-S/	700	8.13	86
D080-S/	800	9.35	86
D090-S/	900	10.65	85
D100-S/	1000	12.03	83

Based off of 4' S photometry

12.5% Expected Loss for R option

(Wattage may vary up to 5% from published)



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Ordering Guide (continued)

Optional Features	Code	Options	Description
Wall Color Shield		WCS	Wall Color Shield Only available with the R/shielding options.
Chicago Environmental Air Modification		CCEA	Chicago Environmental Air Modification
Nightlight		_NL	Nightlight Circuit Required. Enter quantity. 2NL= 2 nightlight circuits/row
Emergency		_EF	Emergency Battery Required. Enter quantity. 2EF= 2 emergency batteries/row *Available only in 4' or greater lengths
Thru-wiring		W1	No Thru Wire
		W2	Provide Normal and Emergency Thru Wiring*
		W3	Provide Normal Thru Wiring Only *Only applicable when specified with emergency

Emergency Exceptions

Value	Direct Output- Total lm/ft	Exclusions
D090-D100	900-1000	Excludes S/ shielding options on 4'
D080-D100	800-1000	Excludes R/ shielding options on 4'

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Details

Construction:

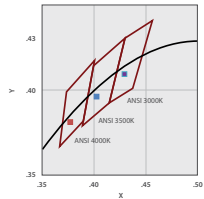
Housing: Die-formed steel.
Contact factory for details.

Finish/Color:

Visit www.litecontrol.com/resources/finishes for details.

Color Temperature:

30K- 3000K output multiplier .975
35K- 3500K output multiplier 1.00
40K- 4000K output multiplier 1.00



Color Variation:

2 step MacAdam ellipse

Output (VI technology):

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

Output:

Specify in 50 lumen increments within the below range:

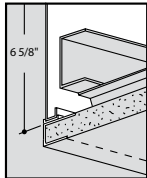
	Lumens/ft	Nomenclature
Min:	400	D040
Max:	1000	D100

Driver:

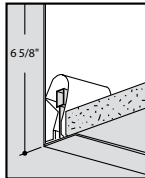
NDM: Non-dimming. Fixture will be wired for fixed light output.
D01: 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control.
LEC: 100%-1% dimming range. Lutron Ecosystem compatible using Lutron A-Series driver.
LHI: 100%-1% dimming range. Lutron Hi-Lume 3 wire dimming compatible using Lutron A-Series driver.
LTW: 100%-1% dimming range. Lutron 2-wire 120V forward phase control dimmer compatible using Hi-lume 1% 2-wire (LTE series) LED driver.

Fixture Support Rails:

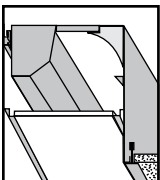
Extruded aluminum wall-mounted rail that provides fixture support and, along with provided splines, ensures fixture alignment. Provides reveal at wall to compensate for wall construction irregularities. White color.



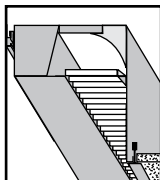
DW (Drywall/Plaster)



G (Lay-In Grid)



R/ (Regressed)



S/ (At Top)

Diffuser:

BWO Blade Baffle, White. 3/8" high and 1/2" OC painted steel. Only available in S/ position.

SGL Soft Glow Lens. Extruded, frosted acrylic. Available in R/ or S/ position.

Circuiting:

1C (1 Circuit) Fixture wired for a single circuit.

Nightlight:

See separate LC-Nightlight spec sheet for additional details.

Emergency:

Integral-Bodine BS310LP or Iota CP07 (Consult factory if specific application is required.)
Inverter-Compatible. Provided by others.

Thru-Wiring:

See separate LC- Thru Wire spec sheet for additional details.

Row Joining:

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

Field accessibility:

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.

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)

Fixture Weight:

3.75 lbs/ft.

Ratings:

CSA listed for damp locations.

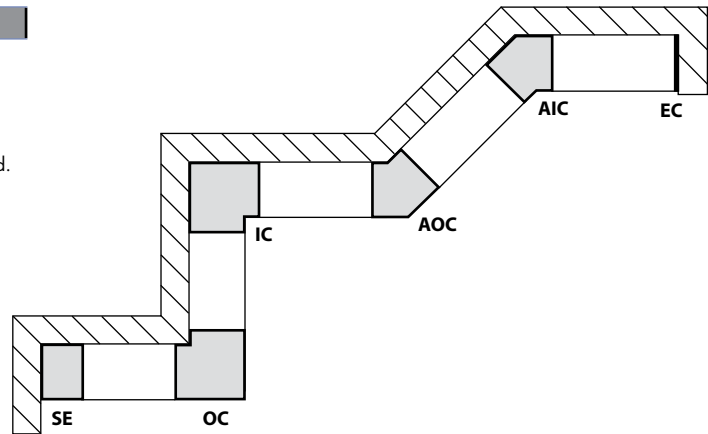
Warranty:

LED boards- 5 years
LED drivers (standard)- 5 years
LED drivers (Lutron)- 3 years

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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.



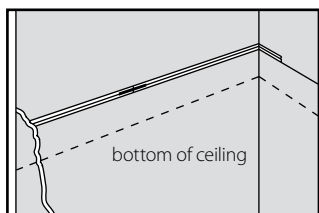
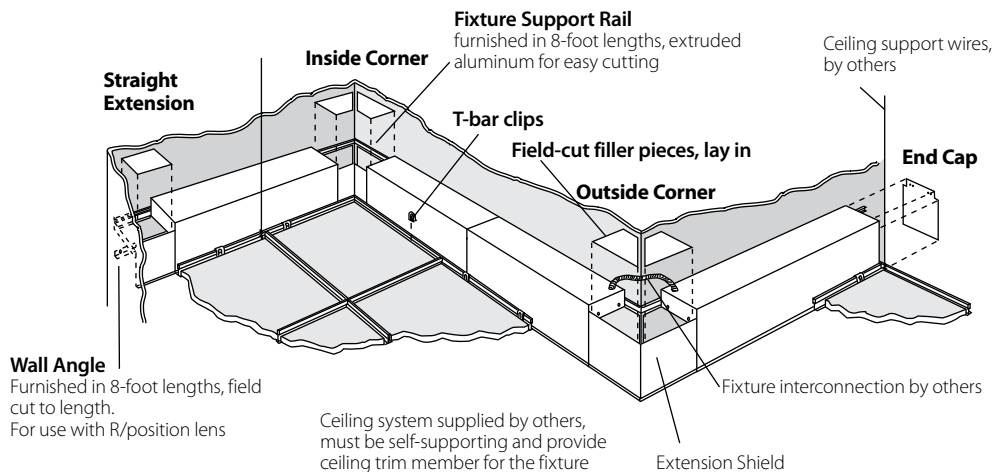
See web site for installation details.

Planning for Installation

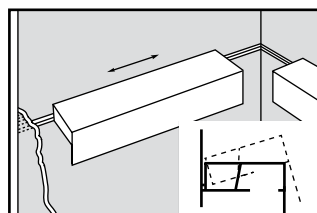
Pre-installation notes: Finish of wall should extend 7" above ceiling.
Continuous Fixture Support Rail is provided for ease of installation.

Ceiling construction must be supported independently of the lighting.

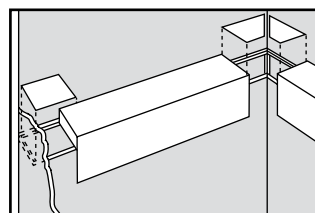
Fixture Lengths: 24", 36", 48", 72" and 96"



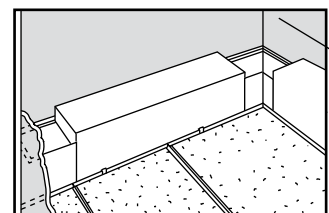
1. Install Fixture Support Rails on walls.



2. Hook fixtures on rail and slide into position.



3. Install extensions and corners.



4. Attach Extension Shields to components.

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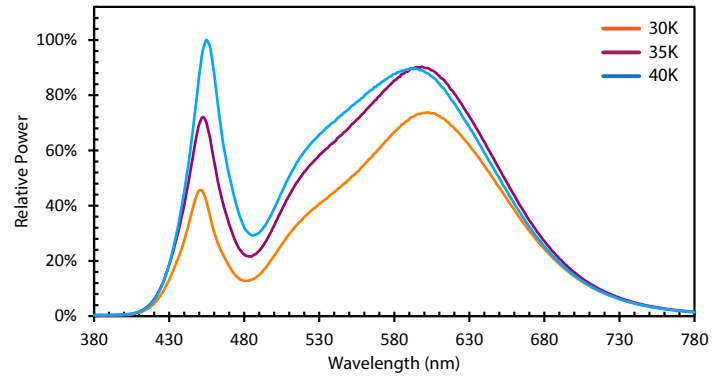
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Details (continued)

Color Characteristics:

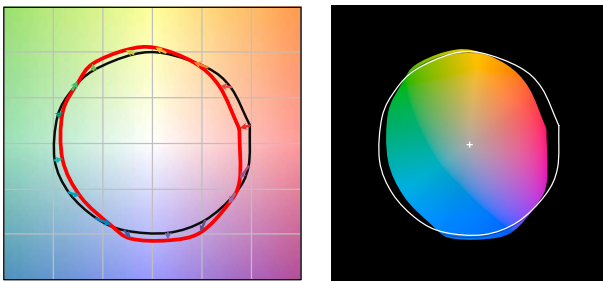
Value	Ordering Code		
	30K	35K	40K
Rf	81	82	82
Rg	99	97	95
CCT (K)	3137	3583	4158
Duv	-0.0027	-0.0019	-0.0018
x	0.4239	0.3989	0.3727
y	0.3927	0.3832	0.3680
CIE Ra	82	83	84

Spectral Distribution:

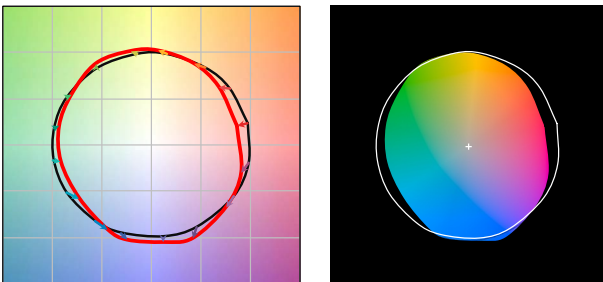


Color Vector Graphic:

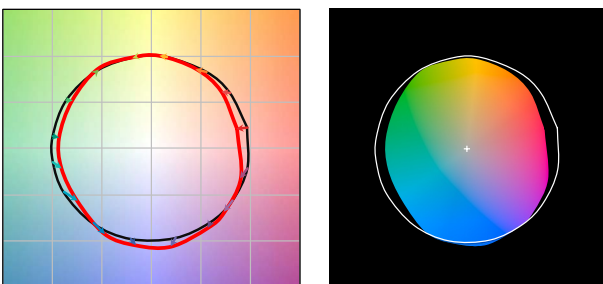
30K:



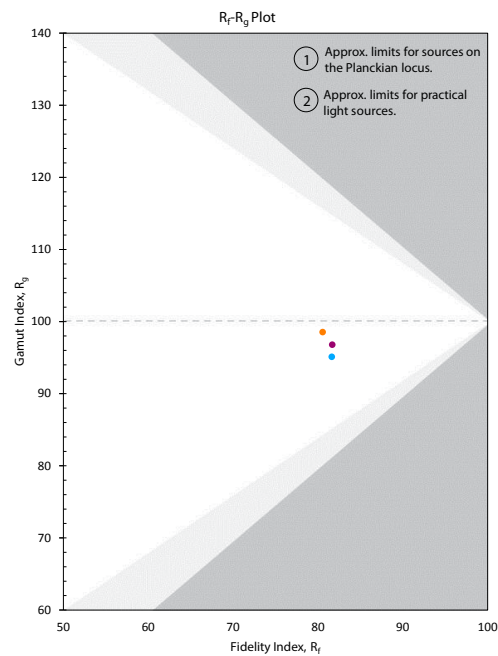
35K:



40K:



Color Gamut/Fidelity Plot



CRI:

80 minimum

CCT	CRI	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
30K	82	81	89	95	80	80	85	84	63	13	74	79	68	82	97
97	83	81	89	94	81	81	85	86	65	14	74	79	65	83	97
40K	84	83	90	94	81	82	85	87	68	18	75	79	61	85	97

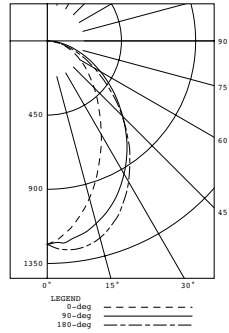
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Photometry

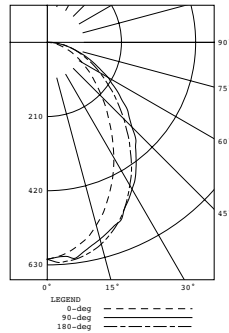
Fixture: SAE202-D130-2-R/SGL-C1-30K-D130-D01-1C-UNV-W1
CCT: 30K
Output: D130
Nominal lumens: 2600 lumens
Efficacy: 63 lm/W
Test report: 17.00734



Zonal Lumen Summary

Zone	Lumens	Lamp%
0-40	1356.36	52.3
0-60	2168.77	83.5
0-90	2597.34	100
90-180	0.6	0

Fixture: SAE202-D070-2-S/SGL-C1-30K-D070-D01-1C-UNV-W1
CCT: 30K
Output: D070
Nominal lumens: 1350 lumens
Efficacy: 83 lm/W
Test report: 17.00604



Zonal Lumen Summary

Zone	Lumens	Lamp%
0-40	700.25	52
0-60	1118.6	83
0-90	1347.04	100
90-180	0.65	0