

CATALOG #: _____

TYPE: _____

PROJECT: _____



FEATURES

- Aluminum housing for maximum heat dissipation
- Quick-wire access plate for easy installation
- Narrow distribution and uplight options provide tailored performance
- Shallow fixture depth of less than 4" allows fixture placement near the ceiling for maximum space utilization and reduces damage incurred from material handling equipment
- Uplight modules available to illuminate dark ceilings
- High ambient option for extreme environments
- HE option delivers superior efficacies up to 188 lm/W
- Piano hinge and steel door frame options
- Optional wireguard provides added protection
- High-performance up to 157 lm/W
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING** – Die-formed aluminum housing.
- FINISH** – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ELECTRICAL** – High-quality mid-power LED boards. L80 > 72,000 hours per IES TM-21. L80 > 102,000 hours with HE option. 40°C maximum ambient operating temperature standard. 60°C max when specified with HA option. 25°C max when specified with alternate drivers. 50/60 Hz constant current driver.
- MOUNTING** – Suspended. Indoor applications only.
- LISTINGS** –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at [hew.com/buy-american](http://www.hew.com/buy-american)
- WARRANTY** – 5-year limited warranty, see www.hew.com/warranty

ORDERING EXAMPLE: GL - 4 - L200/840 - OPTIONS - CONTROL/DIM - UNV

SERIES	LENGTH	LUMENS ^[1]	CRI	CCT	
GL	4 4'	4'	8 80	30 3000K	
		8'	9 90	35 3500K	
	8 8'	L150 15,000lm	L300 30,000lm	40 4000K	50 5000K
		L200 20,000lm	L400 40,000lm	L600 60,000lm	L800 80,000lm

OPTIONS^[2]

EM/10W/BMTD	Back-mounted 10-watt emergency battery ^[3]	WGC11	11-gauge wireguard, white powder coated, field-installed ^[15]
EM/14W/BMTD	Back-mounted 14-watt emergency battery ^[4]	WGC11 F&I	11-gauge wireguard, white powder coated, factory-installed ^[16]
(L__)	Additional lower lumen packages available ^[5] Example: 18,000 nominal lumens = GL-4-L200/840-(L180)	VBV	(2) Y-hangers
HE	High efficacy lumen package ^[6]	VBV-2	(2) Y-hangers with 2' chains
HA	High ambient temperature, 60°C ^[7]	GC2/Y18/5	(2) Cable suspension kits, 5' length
UP	Uplight module, back-mounted ^[8]	GC2/Y18/10	(2) Cable suspension kits, 10' length
ND	Narrow distribution ^[9]	HUB MT 3/4"	Cast iron hub and junction box for single 3/4" pendant mount ^[17]
PHSCHA118	Piano hinge steel door frame, clear, high-temperature, non-prismatic acrylic, .118" thick ^[10]	HUB/HOOK MT	Cast iron hub with mounting hook ^[18]
PHSAF118	Piano hinge steel door frame, non-prismatic diffuse acrylic, .118" thick ^[11]	HOOK/CABLE	Hook and cable mounting kit, 10'
SCHA118	Steel door frame, clear, high-temperature, non-prismatic acrylic, .118" thick ^[12]	3SB	(2) 3" spacer brackets
SAF118	Steel door frame, non-prismatic diffuse acrylic, .118" thick ^[13]	6CPI/L5-15P/TWLK	6' cord and NEMA twistlock 15 AMP plug, 120V ^[19]
SAF12125	Steel door frame, frosted acrylic #12, .125" thick ^[14]	6CPI/L7-15P/TWLK	6' cord and NEMA twistlock 15 AMP plug, 277V ^[20]
		S7238/B	72" cord, 3-conductor, No. 18 AWG, black ^[21]
		S7258/B	72" cord, 5-conductor, No. 18 AWG, black ^[22]
		SP1	10kV surge protection, 120 or 277V
		SP2	10kV surge protection, 208 or 240V
		SP3	10kV surge protection, 347 or 480V

CONTROLS^[23]

See page 6 for **ADDITIONAL CONTROL OPTIONS**.

–	None
AVI-LVFA	Avi-on wireless fixture control ^[25]
AVI-LVFA-PIR-ELB	Avi-on wireless fixture control with PIR motion and daylight sensor, end mount ^[26]

DRIVER^[24]

DIM	Driver with external 0-10V dimming wires
DRV	Driver without external dimming wires
DA	Driver with 12V auxiliary power, without external dimming wires ^[27]

VOLTAGE

120	120V
208	208V
240	240V
277	277V
UNV	120-277V
347	347V ^[28]
480	480V with stepdown transformer ^[29]

NOTES

- Lumen output based on 80 CRI/4000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen package available, see Options.
- See page 4 for MOUNTING DETAILS.
- Increases fixture height. See page 3 for OPTIONS DETAILS.
- Increases fixture height. See page 3 for OPTIONS DETAILS.
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- See page 2 for FIXTURE PERFORMANCE DATA.
- L200 lumen package max for 4', L400 for 8'; not available with EM, ND, or door frame options.
- Nominal 1,300 lumens module output; 15W; increases fixture height. See page 3 for OPTIONS DETAILS.
- Not available with lens options or 4' L400 or 8' L800 lumen packages. See page 2 for FIXTURE PERFORMANCE DATA. Not available with HA option.
- Not available with 4' L400 or 8' L800 lumen packages.
- Not available with 4' L400 or 8' L800 lumen packages.
- Not available with 4' L400 or 8' L800 lumen packages.
- Not available with 4' L400 or 8' L800 lumen packages.
- Not available with 4' L400 or 8' L800 lumen packages.
- Not available with 4' L400 or 8' L800 lumen packages.
- Shipped separately.
- Not for use with door frame accessories.
- Shipped separately.
- Shipped separately.
- DRV only.
- DRV only.
- DRV only.
- DIM only.
- See page 4 for SENSOR PLACEMENT DETAILS. See page 5 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.
- Consult factory for additional driver options.
- DA Driver only.
- DA Driver only.
- Avi-on Control only.
- Not available with EM batteries or DA driver.
- Not available with EM batteries or DA driver.



FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	STANDARD		HE OPTION		NARROW DISTRIBUTION (ND) OPTION		
			WATTAGE	EFFICACY (lm/W)	WATTAGE	EFFICACY (lm/W)	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4'	L150	15049	96	157	80	188	14297	97	147
	L200	20095	133	151	110	183	19090	131	146
	L300	30139	200	151	164	184	28632	195	147
	L400	40185	267	151	219	183	-	-	-
8'	L300	30098	192	157	160	188	28593	194	147
	L400	40190	266	151	220	183	38181	262	146
	L600	60278	400	151	328	184	57264	390	147
	L800	80370	534	151	440	183	-	-	-

- 1 Photometrics in process for SAF12125 shielding. Consult factory.
- Photometrics tested in accordance with IESNA LM-79. Results based on no shielding, 80 CRI/4000K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

MULTIPLIER TABLES

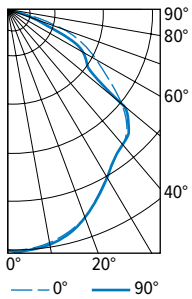
	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
80 CRI	3000K	0.96
	3500K	0.97
	4000K	1.00
	5000K	1.03

90 CRI	3000K	0.79
	3500K	0.80
	4000K	0.83
	5000K	0.86

SHIELDING	
CATALOG NUMBER	CONVERSION FACTOR
-	1.00
SCHA118	0.93
SAF118	0.90
SAF12125 ⁽¹⁾	0.83

PHOTOMETRY

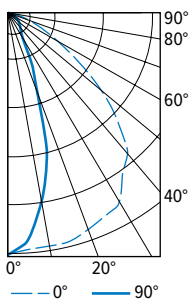
GL-4-L150/840-DIM-UNV Total Luminaire Output: 15049 lumens; 96 Watts | Efficacy: 157 lm/W | 80 CRI; 4000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	5474	5474	5474	
	5	5395	5395	5398	516
	15	5277	5299	5299	1489
	25	4782	4806	4787	2213
	35	4210	4217	4227	2664
	45	3869	3877	3920	2956
	55	2897	3023	2279	2508
	65	2008	1608	1637	1759
	75	942	628	580	788
	85	174	113	128	155
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	4218	28
	0 - 40	6882	46
	0 - 60	12347	82
	0 - 90	15049	100
	0 - 180	15049	100

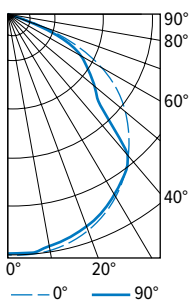
GL-4-L150/840-ND-DIM-UNV Total Luminaire Output: 14297 lumens; 97 Watts | Efficacy: 147 lm/W | 80 CRI; 4000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	14419	14419	14419	
	5	14097	13760	13467	1281
	15	13795	10851	8889	3051
	25	13394	5994	3476	3264
	35	11939	2152	1279	2567
	45	9650	1030	761	1863
	55	5364	620	464	1203
	65	2392	346	352	675
	75	717	234	195	323
	85	93	29	29	71
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	7596	53
	0 - 40	10163	71
	0 - 60	13228	93
	0 - 90	14297	100
	0 - 180	14297	100

GL-4-L150/840-SCHA118-DIM-UNV Total Luminaire Output: 13920 lumens; 96 Watts | Efficacy: 145 lm/W | 80 CRI; 4000K CCT

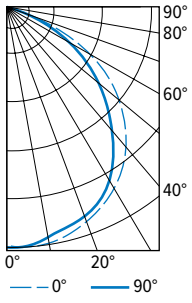


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	5217	5217	5217	
	5	5275	5177	5162	494
	15	5139	5063	5041	1431
	25	4874	4788	4776	2210
	35	4404	4361	4354	2721
	45	3763	3686	2814	2714
	55	2896	2123	2151	2198
	65	1789	1387	1357	1503
	75	711	479	353	569
	85	48	49	41	78
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	4136	30
	0 - 40	6857	49
	0 - 60	11770	85
	0 - 90	13920	100
	0 - 180	13920	100



GL-4-L150/840-SAF118-DIM-UNV Total Luminaire Output: 12910 lumens; 96 Watts| Efficacy: 134 lm/W | 80 CRI; 4000K CCT

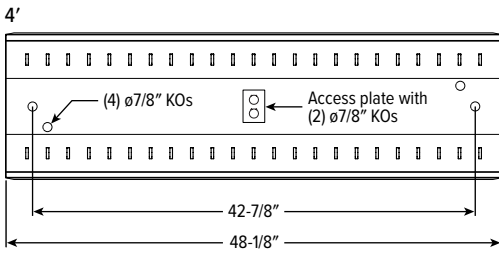


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	4985	4985	4985	
	5	5061	4956	4922	473
	15	4937	4839	4796	1367
	25	4630	4553	4502	2096
	35	4155	4095	3899	2525
	45	3457	3294	2868	2487
	55	2535	2168	2005	2006
	65	1471	1221	1171	1278
	75	621	509	507	572
	85	75	69	74	107
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	3935	31
	0 - 40	6460	50
	0 - 60	10953	85
	0 - 90	12910	100
	0 - 180	12910	100

FIXTURE DETAILS

BACKVIEW



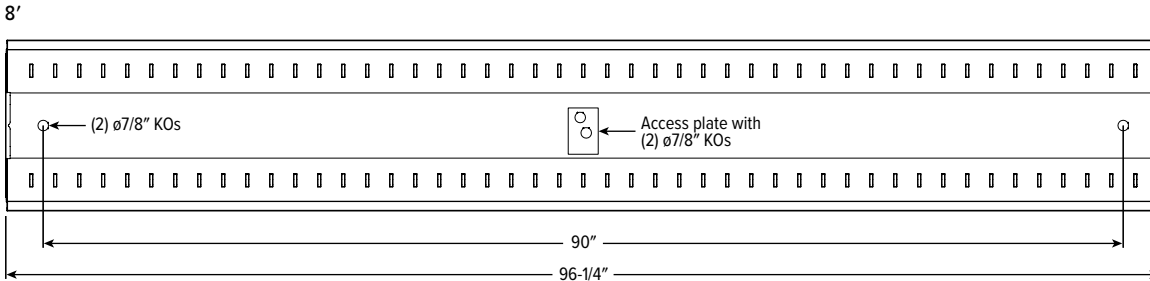
4' L150, L200 | 8' L300, L400



4' L300 | 8' L600

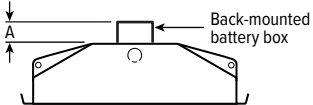


4' L400 | 8' L800



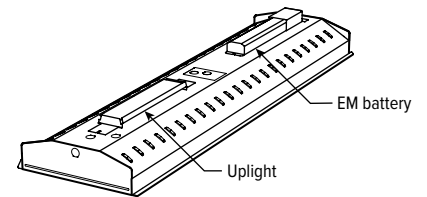
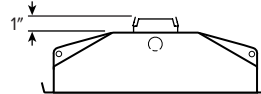
OPTIONS DETAILS

EM BATTERY



EM BATTERY	DIMENSION A
EM/14W/BMTD	1-5/16"
EM/10W/BMTD	1-3/16"

UPLIGHT

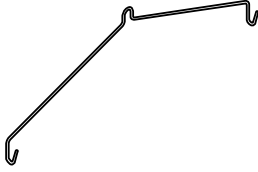


MOUNTING DETAILS

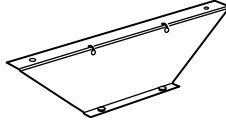
GC2/Y18/_



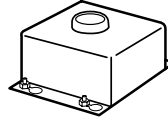
VBY | VBY-2



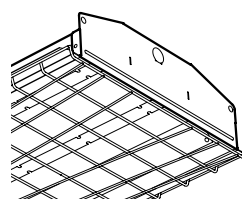
3SB SPACER BRACKET



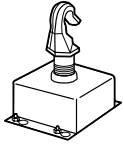
HUB MT 3/4" NPT



WGC11



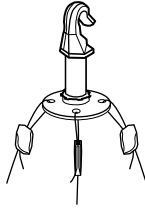
HUB/HOOK MT



Mounting hook with safety screw allows easy replacement of existing HID fixtures. Hook attaches to the fixture with 3/4" NPT cast iron hub and junction box.

A 10' long aircraft cable and Y style hanger with toggle clips are factory furnished for leveling fixture from single support.

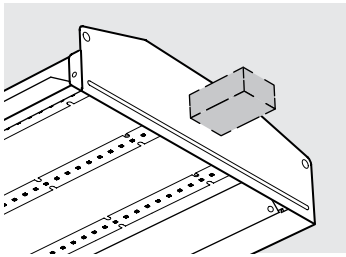
HOOK/CABLE



Hook and 10' cable mounting kit. Mounting hook is secured to the structure by eye bolt or loop (furnished by others).

Attached at the base of the hook is a circular mounting plate with four (4) 10' adjustable cables, oriented in 90° intervals, suspended below.

SENSOR PLACEMENT DETAILS



SEE NEXT PAGE FOR CONTROL DETAILS.



AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

FEATURES

Simple

- Gateway-free distributed control
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

Scalable

- Virtually unlimited network size
- Spans small areas to large garages
- Flexible control strategies

Secure

- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

COMMISSIONING & INSTALLATION TOOLS

Avi-on mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers. Live commissioning training and on-site or remote support by Avi-on must be ordered separately through Avi-on.



Commissioning Mobile App



Zone Scanner Web App



Commissioning Pro App

SYSTEM COMPONENTS



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ACCESSORIES

WALL STATIONS	
AVI-B-2401AC-1	Scene controller - buttons numbered 1-4 and up/down/off, 120-277VAC
AVI-B-2402BAT-1	Scene controller - buttons numbered 1-4 and up/down/off, battery powered
AVI-B-2401AC-2	Dimmer with presets - buttons with percentages and up/down/off, 120-277VAC
AVI-B-2402BAT-2	Dimmer with presets - buttons with percentages and up/down/off, battery powered
AVI-B-2401AC-3	Two button control on/off or hold to dim up/down, 120-277VAC
AVI-B-2402BAT-3	Two button control on/off or hold to dim up/down, battery powered

NETWORK	
AVI-RAB-LTE	Remote access bridge
AVI-NTM	Network time manager with battery backup
CEILING MOUNT SENSORS	
AVI-KIT-SEN-DUCM	PIR motion and ultrasonic sensor kit
AVI-KIT-SEN-ICM	PIR motion and photocell sensor kit

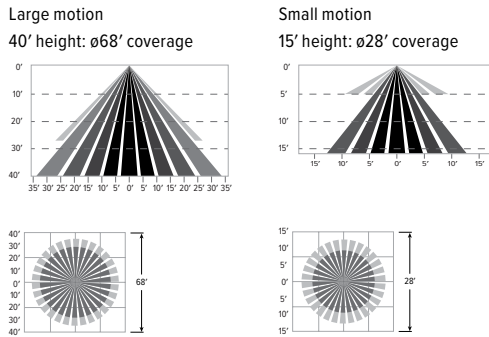
For load controllers and additional accessory info, see hew.com/avi-on

AVI-LVFA-PIR-ELB Avi-on wireless fixture control with PIR motion and daylight sensor, end mount. DA Driver only.

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 45'
LENS	Single lens detects high and low bay motion.
DETECTION ANGLE	360°
TEMPERATURE RANGE	-30° to 70°C
RELATIVE HUMIDITY	90 to 95% at 30°C
COMMISSIONING	App (iOS or Android)
SYSTEM REQUIREMENTS	Avi-On wireless fixture controls plus desktop and mobile apps
MANUFACTURER	Avi-On



SENSOR COVERAGE PATTERNS



SENSOR DETAIL

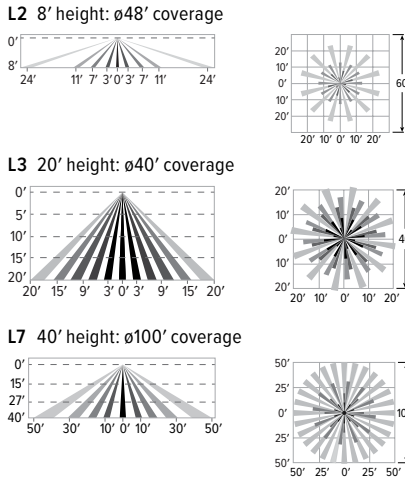


ADDITIONAL CONTROL OPTIONS

OCCWS-FSP-321B-L_-120-480 Wattstopper PIR motion and daylight sensor using 0-10V internal control, 120V-480V. Must specify lens: L2, L3 or L7. Factory installed.
OCCWS-FSP-221B-L_-120-480 Wattstopper PIR motion and daylight sensor using 0-10V internal control, 120V-480V. Must specify lens: L2, L3 or L7. Factory installed.
FSIR-100 Remote controller for 221B sensor. Please specify quantity required per project. Ordered and shipped separately.

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 40'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 75°C
COMMISSIONING	321B Sensor: App (iOS or Android) 221B Sensor: FSIR-100 Remote

SENSOR COVERAGE PATTERNS



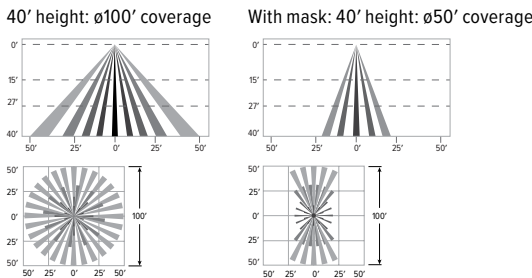
SENSOR DETAIL



OCCWS-HBP-111-L7-120/277/347 Wattstopper PIR motion and daylight hold off sensor, 120/277/347V. Adjustable via remote. Optional FSIR-100 remote controller available.
FSIR-100 Remote controller for HBP-111 sensor. Please specify quantity required per project. Ordered and shipped separately.

SPECIFICATIONS	
TYPE	PIR Motion + Daylight Hold Off
MOUNTING HEIGHT	15' – 40'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 70°C
RELATIVE HUMIDITY	5 to 95%, non-condensing
COMMISSIONING	FSIR-100 Remote

SENSOR COVERAGE PATTERNS



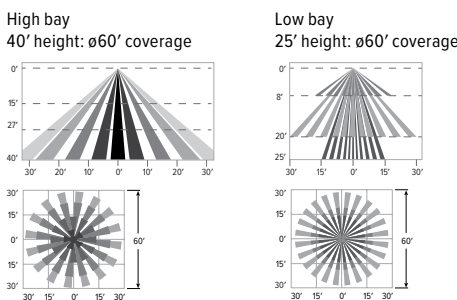
SENSOR DETAIL



OCCLV-OSFHU-ITW-120-347 Leviton PIR motion sensor, 120-347V
OCCLV-OSFHU-I4W-208/240/480 Leviton PIR motion sensor, 208/240/480V

SPECIFICATIONS	
TYPE	PIR Motion
MOUNTING HEIGHT	8' – 40'
LENS	Interchangeable high bay, low bay or aisle mask
DETECTION ANGLE	360°
TEMPERATURE RANGE	-10° to 71°C
RELATIVE HUMIDITY	20% to 90% non-condensing

SENSOR COVERAGE PATTERNS



SENSOR DETAIL

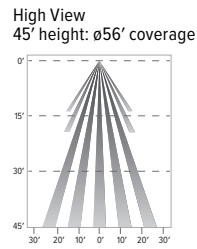
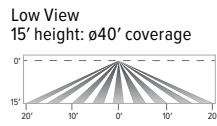


OCCSS LSXR-6-120-277 Sensor Switch PIR motion sensor, 120-277V

OCCSS LSXR-6-347/480 Sensor Switch PIR motion sensor, 347/480V

SPECIFICATIONS	
TYPE	PIR Motion
MOUNTING HEIGHT	15' – 45'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-10° to 60°C
RELATIVE HUMIDITY	Up to 90% non-condensing

SENSOR COVERAGE PATTERNS



SENSOR DETAIL

