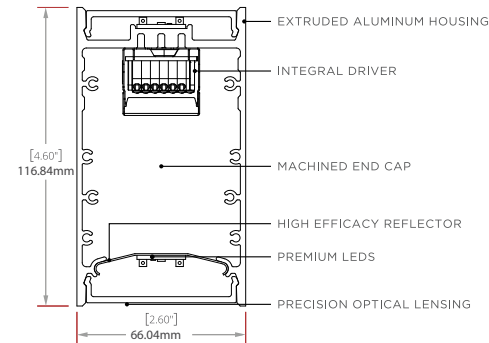


DATE	PROJECT	FIRM	TYPE
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PERFORMANCE

STATIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VLO	2115	2323	4438	32	139	4000/80
LO	2964	3256	6220	48	130	4000/80
SO	3925	4311	8235	64	129	4000/80
HO	4722	5187	9909	80	124	4000/80
VHO	5696	6256	11953	96	125	4000/80



CCT MULTIPLIERS STATIC WHITE

CCT	2700K		3000K		3500K		4000K		5000K	
CRI	80	90	80	90	80	90	80	90	80	90
MULTIPLIER	0.93	0.79	0.96	0.82	0.97	0.85	1	0.89	1.01	0.89

FEATURES:

- PRECISION OPTICAL LENSING OPTIONS OR HIGH TRANSMISSION FROSTED LENSING
- 1% DIMMING DRIVERS STANDARD
- ADJUSTABLE AIRCRAFT CABLE SUSPENSION SYSTEM
- EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE FASTENERS
- MACHINED ALUMINUM END CAPS WITH EASY ACCESS REMOVAL
- BI-DIRECTIONAL FIXTURE
- UGR<19 IN SELECT OUTPUTS AND CONFIGURATIONS



NOTE: ALL ITALICIZED OPTIONS MAY INCREASE LEAD TIME. PLEASE CONSULT FACTORY WITH QUESTIONS.

FIXTURE MODEL	MOUNTING	NOMINAL LENGTH (FT)	CCT/CRI	DIRECT POWER LEVEL ¹	DIRECT BEAM DISTRIBUTION	INDIRECT POWER LEVEL ¹	INDIRECT BEAM DISTRIBUTION ¹	DRIVER
HS2 Hassium 2	CS Cable Suspended CSD Cable Suspended Direct Only	2 3 4 5 6 7 8 CR ¹ Continuous Run (Specify Length in Nominal Feet)	827 830 835 840 850 927 930 935 940 950 TW2765 WD1827 RGBW¹	VL Very low L Low S Standard H High VH Very High	G Graze N Narrow F Flood W Wall Wash A Aisle	VL Very low L Low S Standard H High VH Very High	F Flood B Batwing	1D 0-10V EldoLED 1% 01D 0-10V EldoLED 0.1% LDE1 Lutron Ecosystem 1% LDE5 Lutron Ecosystem 5% 1DT (TW) ² 1DW (VD) ² DMX8 Standard 8 bit (RGBW) [*] DMX16 Optional 16 bit (RGBW) [*] DALI (INTL) 1WS (Sensor Fixtures) ³
			¹ Pair only w/ power level(s) = S, beams = F	1. 2ft & 3ft - must have same power output for up and down		1. 2ft & 3ft - must have same power output for up and down		1. Driver must reside in remote housing 2. 0-10V input - CHOOSE DALI instead for INTL versions 3. Integrated Sensor options pair with 1WS driver only

HOUSING FINISH	END CAPS FINISH	CANOPY SIZE	CANOPY FINISH	POWER CORD	CABLE LENGTH	OPTIONS ⁶
SC Satin Clear Anodize SW Satin White Powder Coat MB Matte Black Powder Coat CF Custom Finish (Consult Factory)	MF Machined Finish SW Satin White MB Matte Black CF Custom Finish (Consult Factory)	44 4" Power feed canopy 4" Non-power feed canopy 44E 4" Power feed canopy 4" Non-power feed canopy - International 40 4" Power feed canopy Canopy only at power feed 40E 4" Power feed canopy Canopy only at power feed - International 41 4" Power feed canopy 1" Non-power feed canopy 41E 4" Power feed canopy 1" Non-power feed canopy - International	MF Machine Finish SW Satin White MB Matte Black CF Custom Finish (Consult Factory)	W White G Gray ¹ B Black	4 4' 8 8'	EMB7 ^{1,5,6} 7 Watt battery back-up (Approximately 600 lumens) EMB12 ^{1,4,6} 12 Watt battery back-up (Approximately 1000 lumens) EMW ^{1,2} Emergency Circuit Wiring WSN ⁶ nLight Sensor WSE ⁶ WSE Enlightened Sensor WSW ⁶ WSW Wavelinx Sensor WSL ⁶ Lutron Vive Sensor Dual Dual Circuit
				1. Not available for INTL		1. EMB/EMW only linked to first section of continuous run 2. EMW not available for 2ft/3ft lengths 3. EMB7 - 6ft and up 4. EMB12 - 7ft and up 5. EMB not available for combined 8FT length & VH power 6. Factory EMB and Sensor (WS) options not avail for INTL

GENERAL NOTES:

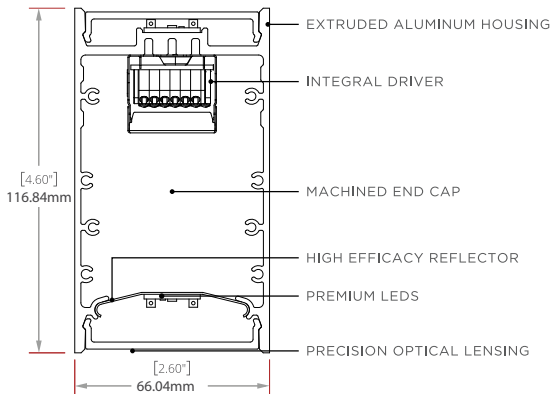
All fixtures are UL listed for dry and damp locations. Fixtures with International (E) option designation are CE and ROHS compliant. INTEGRAL DRIVER for all options. Please contact the factory with any specification questions.



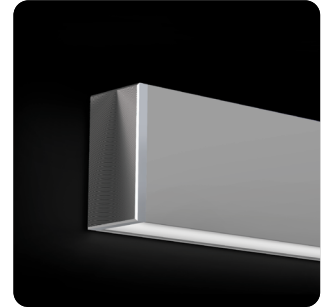
FIXTURE ORIENTATION

Bi-directional (CS) for downlight and uplight applications.

DATE	PROJECT	FIRM	TYPE
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**FEATURES:**

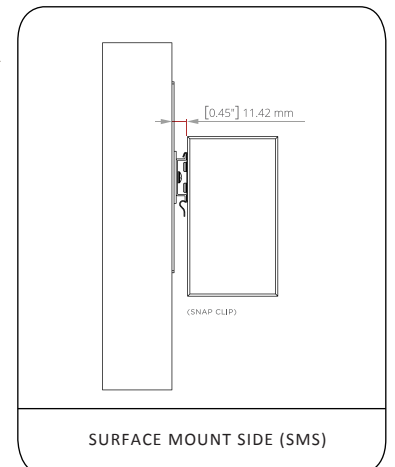
- WALL MOUNTING SYSTEM WITH PRE LOCATED FIXTURE HARDWARE FOR EASY SURFACE INSTALL
- PRECISION OPTICAL LENSING OPTIONS OR HIGH TRANSMISSION FROSTED LENSING
- 1% DIMMING DRIVERS STANDARD
- EXTRUDED ALUMINUM HOUSING WITH NO VISIBLE FASTENERS
- MACHINED ALUMINUM END CAPS WITH EASY ACCESS REMOVAL



NOTE: ALL ITALICIZED OPTIONS MAY INCREASE LEAD TIME. PLEASE CONSULT FACTORY WITH QUESTIONS.

FIXTURE MODEL	MOUNTING	NOMINAL LENGTH (FT)	CCT/CRI	DIRECT POWER LEVEL ¹	DIRECT BEAM DISTRIBUTION	INDIRECT POWER LEVEL ¹	INDIRECT BEAM DISTRIBUTION	DRIVER
HS2 Hassium 2	SMS Surface Mount Side SMSE Surface Mount Side - International SMSD Surface Mount Side Direct SMSDE Surface Mount Side Direct - International	2 3 4 5 6 7 8 CR¹ Continuous Run (Specify Length in Nominal Feet)	827 830 835 840 850 927 930 935 940 950 TW2765 WD1827 RGBW ¹	VL Very low L Low S Standard H High VH Very High	G Graze N Narrow F Flood F Flood W Wall Wash A Aisle	VL Very low L Low S Standard H High VH Very High	F Flood B Batwing	1D 0-10V EldoLED 1% 01D 0-10V EldoLED 0.1% LDE1 Lutron Ecosystem 1% LDES Lutron Ecosystem 5% 1DT (TW) ² 1DW (WD) ² DMX8 Standard 8 bit (RGBW)* DMX16 Optional 8 bit (RGBW)* DALI (INTL) TWS (Sensor Fixtures) ³
		1. Power feed is always at the first section in a continuous run	1. Pair only w/ power level(s) = S, beams = F	1. 2ft & 3ft - must have same power output for up and down		1. 2ft & 3ft - must have same power output for up and down		1. Driver must reside in remote housing 2. 0-10V input - CHOOSE DALI instead for INTL versions 3. Integrated Sensor options pair with TWS driver only

HOUSING FINISH	END CAPS FINISH	OPTIONS ⁶
SC Satin Clear Anodize SW Satin White Powder Coat MB Matte Black Powder Coat CF Custom Finish (Consult Factory)	MF Machined Finish SW Satin White MB Matte Black CF Custom Finish (Consult Factory)	EMB7^{1,3,6} 7 Watt battery back-up (Approximately 600 lumens) EMB12^{1,4,6} 12 Watt battery back-up (Approximately 1000 lumens) EMW^{1,2} Emergency Circuit Wiring WSN⁶ nLight Sensor WSE⁶ WSE Enlighted Sensor WSW⁶ WSW Wavelinx Sensor WSL⁶ Lutron Vive Sensor Dual Dual Circuit
		1. EMB/EMW only linked to first section of continuous run 2. EMW not available for 2ft/3ft lengths 3. EMB7 & EMB12 - 6ft lengths and up 4. EMB12 - 7ft and up 5. EMB not available for combined 8ft length & VH power 6. Factory EMB and Sensor (WS*) options not avail for INTL

**GENERAL**

All fixtures are UL listed for dry and damp locations. Fixtures with International (E) option designation are CE and ROHS compliant. INTEGRAL DRIVER for all options. Please contact the factory with any specification questions.



DATE	PROJECT	FIRM	TYPE
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BIDIRECTIONAL

STATIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT/CRI
VLO	2115	2323	4438	32	139	4000/80
LO	2964	3256	6220	48	130	4000/80
SO	3925	4311	8235	64	129	4000/80
HO	4722	5187	9909	80	124	4000/80
VHO	5696	6256	11953	96	125	4000/80

CCT	80CRI	90CRI
2700K	0.93	0.79
3000K	0.96	0.82
3500K	0.97	0.85
4000K	1.00	0.89
5000K	1.01	0.89

DYNAMIC WHITE | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT
VLO	1484	1630	3115	48	65	4000/90
LO	2081	2285	4366	64	68	4000/90
SO	2755	3025	5780	72	80	4000/90
HO	3314	3640	6955	88	79	4000/90
VHO	3998	4391	8389	96	87	4000/90

CCT	90CRI
2700K	1.09
3000K	1.08
3500K	1.03
4000K	1.00
5000K	0.99
6500K	0.98

WARM DIM | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT
VLO	1558	1712	3270	48	68	2700/90
LO	2184	2399	4584	64	72	2700/90
SO	2892	3176	6068	72	84	2700/90
HO	3480	3822	7302	88	83	2700/90
VHO	4197	4610	8808	96	92	2700/90

CCT	90CRI
1800K	0.02
2250K	0.17
2700K	1.00

RGBW | FLOOD DIRECT & FLOOD INDIRECT

POWER LEVELS	CHANNEL (S)	LIGHT DIRECT LM/4FT	LIGHT INDIRECT LM/4FT	TOTAL LIGHT LM/4FT	ENERGY WATTS/4FT	EFFICACY LPW	CCT
SO	White	382	420	802	20	40	4000
SO	All	883	970	1853	40	46	N/A

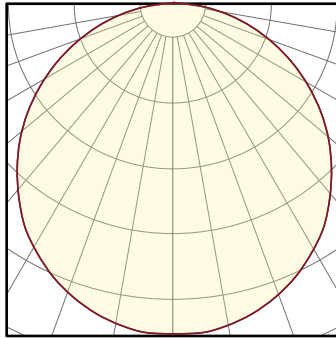
DATE	PROJECT	FIRM	TYPE
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DIRECT

DIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

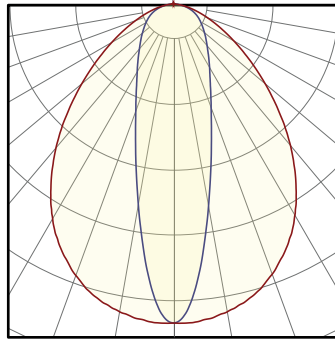
TYPE	CCT/CRI	ENERGY WATTS/ 4FT	FLOOD LM/4FT	FLOOD LPW	NARROW FLOOD LM/4FT	NARROW FLOOD LPW	AISLE LIGHTER LM/4FT	AISLE LIGHTER LPW	GRAZE LM/4FT	GRAZE LPW	WALL WASH LM/4FT	WALL WASH LPW
STATIC WHITE	4000K/80	SO (32W)	3925	123	4475	140	4446	139	4752	149	4063	127
DYNAMIC WHITE	4000K/90	SO (36W)	2755	77	3138	87	3103	86	3312	92	2824	78
WARM DIM	2700K/90	SO (36W)	2892	80	3295	92	3258	91	3478	97	2965	82
RGBW	ALL CHANNELS UP	SO (20W)	883	44	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD*



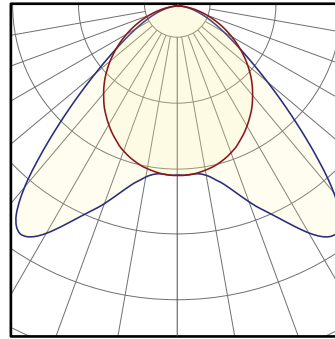
MAX CANDELA: 1336
DELIVERED LUMENS: 3925
WATTS: 32
LPW: 123

NARROW FLOOD*



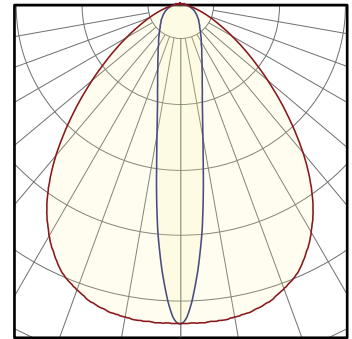
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DELIVERED LUMENS: 4475
WATTS: 32
LPW: 140

AISLE LIGHTER*



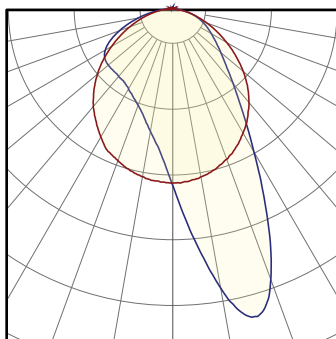
MAX CANDELA: 2061
DELIVERED LUMENS: 4446
WATTS: 32
LPW: 139

WALL GRAZE*



MAX CANDELA: 5197
DELIVERED LUMENS: 4752
WATTS: 32
LPW: 149

WALL WASH*



MAX CANDELA: 2973
DELIVERED LUMENS: 4063
WATTS: 32
LPW: 127

CCT MULTIPLIERS STATIC WHITE

CCT	2700K		3000K		3500K		4000K		5000K	
CRI	80	90	80	90	80	90	80	90	80	90
MULTIPLIER	0.93	0.79	0.96	0.82	0.97	0.85	1	0.89	1.01	0.89

CCT MULTIPLIERS DYNAMIC WHITE

CCT	2700K	3000K	3500K	4000K	5000K	6000K
CRI	90	90	90	90	90	90
MULTIPLIER	1.09	1.08	1.03	1	0.99	0.98

CCT MULTIPLIERS WARM DIM

CCT	1800K	2250K	2700K
CRI	90	90	90
MULTIPLIER	0.02	0.17	1

POWER LEVEL MULTIPLIERS

POWER	VLO	LO	SO	HO	VHO
STATIC WHITE	0.53	0.75	1	1.2	1.45
DYNAMIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45

*Fixture Properties: 4ft Nominal Length, Standard Output, Static White 4000K/80CRI

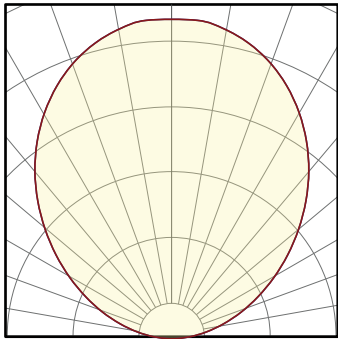
DATE	PROJECT	FIRM	TYPE
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INDIRECT

INDIRECT OPTICS: LUMEN OUTPUT (PER 4FT)

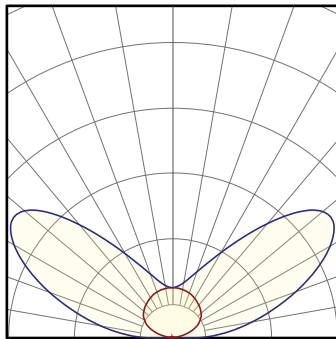
TYPE	CCT/CRI	ENERGY WATTS/4FT	FLOOD LM/4FT	FLOOD LPW	BATWING LM/4FT	BATWING LPW
STATIC WHITE	4000K/80	SO (32W)	4311	135	3933	123
DYNAMIC WHITE	4000K/90	SO (36W)	3025	84	2764	77
WARM DIM	2700K/90	SO (36W)	3176	88	2902	81
RGBW	ALL CHANNELS UP	SO (20W)	970	49	N/A	N/A

FLOOD*



MAX CANDELA: 1677
DELIVERED LUMENS: 4311
WATTS: 32
LPW: 135

BATWING*



MAX CANDELA: 1722
DELIVERED LUMENS: 3933
WATTS: 32
LPW: 123

LUMINAIRE TOTAL LUMENS PER WATT

$$\frac{(\text{DIRECT LUMENS/FT} + \text{INDIRECT LUMENS/FT}) \times \text{FIXTURE TOTAL LINEAR FT}}{(\text{DIRECT WATTS/FT} + \text{INDIRECT WATTS/FT}) \times \text{FIXTURE TOTAL LINEAR FT}} = \text{TOTAL LUMINAIRE LUMENS PER WATT}$$

*Fixture Properties: 4ft Nominal Length, Standard Output, Static White 4000K/80CRI

CCT MULTIPLIERS STATIC WHITE

CCT	2700K		3000K		3500K		4000K		5000K	
CRI	80	90	80	90	80	90	80	90	80	90
MULTIPLIER	0.93	0.79	0.96	0.82	0.97	0.85	1	0.89	1.01	0.89

CCT MULTIPLIERS DYNAMIC WHITE

CCT	2700K	3000K	3500K	4000K	5000K	6000K
CRI	90	90	90	90	90	90
MULTIPLIER	1.09	1.08	1.03	1	0.99	0.98

CCT MULTIPLIERS WARM DIM

CCT	1800K	2250K	2700K
CRI	90	90	90
MULTIPLIER	0.02	0.17	1

POWER LEVEL MULTIPLIERS

POWER	VLO	LO	SO	HO	VHO
STATIC WHITE	0.53	0.75	1	1.2	1.45
DYNAMIC WHITE	0.53	0.75	1	1.2	1.45
WARM DIM	0.53	0.75	1	1.2	1.45

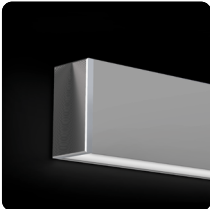
DATE	PROJECT	FIRM	TYPE
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MOUNTING



CABLE SUSPENDED (CS)

This fixture can be a cable suspended down-light and up-light: Bi-Directional (CS), or can be special ordered as a cable suspended static down-light only: Direct Only (CSD). Aircraft cables come in 4ft and 8ft lengths and are field adjustable.



SURFACE MOUNT SIDE (SMS)

Surface Mount Side (SMS). The fixture is mounted on the wall using mounting brackets, giving a static bi-directional up-light and down-light.

CONTINUOUS RUN (CR)

Our single seam continuous run option offers smooth transitions from one section to the next. Our joiner bracket and alignment pin system offers easy to use, confident, single seam connections with a tight fit.



CONTINUOUS RUN
SINGLE SEAM



FIXTURE WITH SINGLE SEAM CONTINUOUS RUN

CANOPIES

SATIN WHITE (SW) MATTE BLACK MACHINE FINISH (MF)



44



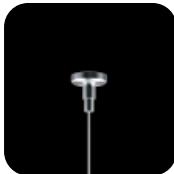
4" diameter power feed and 4" diameter non-power feed canopy.

40



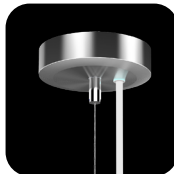
4" diameter machined power feed canopy and no canopy on the non-power feed side. Minimal aesthetic. Requires a 1/4-20 stud securely attached to the ceiling.

41



4" diameter machined power feed and 1-1/4" diameter machined non-power feed canopy. Offers minimal ceiling treatment while maintaining the ability to cover mistakes. Requires a 1/4-20 stud securely fastened to the ceiling.

44E, 41E, 40E
(**E) International Canopy



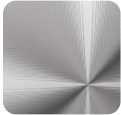
INTL POWERFEED
CANOPY FOR INTEGRAL
DRIVER FIXTURES

This powerfeed canopy replaces the flat style canopy from the North American mounting style (44, 41, & 40) versions pictured)

DATE	PROJECT	FIRM	TYPE
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COLOR AND FINISH

Standard luminaire housing finishes are Satin Clear anodized, Matte Black powder coat, and Satin White powder coat. Standard hardware (end caps, knuckles, cover plates, etc.) finishes are Machined Finish, Matte Black powder coat, & Satin White powder coat. Custom anodizing and powder coated finishes are available as well. If you have a particular color/finish treatment in mind, please contact the factory and we will do our best to accommodate your project needs.

STANDARD			CUSTOM			
LUMINAIRE						
						
SATIN CLEAR ANODIZING	MATTE BLACK	SATIN WHITE	BRONZE	COLOR ANODIZE	SPECULAR	RAL COLORS
HARDWARE						
						
MACHINED COMPONENTS	MATTE BLACK	SATIN WHITE				

SENSORS

Optional fixture integrated sensors and controls offer wireless control system compatibility directly from the factory. Lumium luminaries are now available with integrated control gear from 4 major partners.

			
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NOTE: Information on this Spec Sheet is subject to change, please visit www.ecosenselighting.com for the most updated information.

ECOSENSE

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