



RECESSED ASYMMETRIC MOUNT

PROJECT INFORMATION

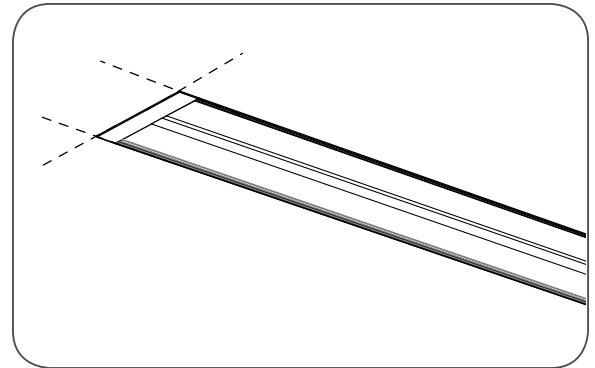
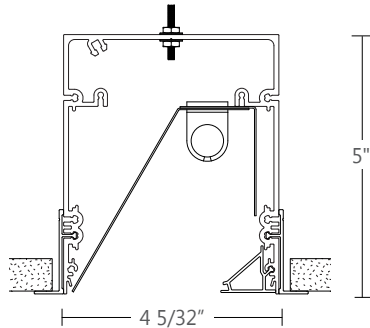
Project:

Type:

Notes:

DIMENSIONS

SECTION VIEWS



ORDERING CODE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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PRODUCT SPECIFICATIONS

1 PRODUCT ID	2 OPTICS DIRECT	3 LENGTH	4 SPECIFY LENGTH	5 LAMP	6 LAMP CONFIGURATION
BBR recessed	A asymmetric	2 2' 3 3' 4 4' 5 5' 6 6' 8 8' 12 12' S# System Run	NL nominal (3' & 4' lamps) NL4 nominal (4' lamps only) EX exact (3' & 4' lamps) EX4 exact (4' lamps only)	T5 T5 T5HO T5HO T8 T8 ⁽²⁾	1 1 lamp
For other lens options, please consult factory				(2) Not available in TB	

7 MR/DOWNLIGHT	8 FINISH	9 VOLTAGE	10 BALLAST	11 CIRCUITS	12 MOUNTING/SUSPENSION
CB21225# Fixed LED 2" dia 1250lm 25deg CB21234# Fixed LED 2" dia 1250lm 34deg CB21246# Fixed LED 2" dia 1250lm 46deg CB20925# Fixed LED 2" dia 900lm 20deg CB20934# Fixed LED 2" dia 900lm 34deg CB20946# Fixed LED 2" dia 900lm 46deg M16# Adj. MR 16 halogen lamp (by others) M16LED# Adj. MR 16 LED lamp (provided)	W white C custom	120 120V 277 277V 347 347V ⁽³⁾ UNV universal	D dimming E instant start ⁽⁴⁾ ERS program start BI bi-level dimming	1 1 regular 2A/B 2 alternating +E(#) emergency section +NL(#) night light section +GTD(#) generator transfer device +M MR	TB9 t-bar 9/16" TB15 t-bar 15/16" ST screw slot t-bar TG9 regular 9/16" TG15 regular 15/16" DF drywall flange D drywall flangeless DB slip-through bracket DS drywall spackle flange
Add 9" per lamp Add 5" per downlight Requires 120V or 277V		(3) Please consult factory	(4) Available with T8 lamp only		

13 BATTERY (OPTIONAL)	14 OTHER (OPTIONAL)	15 IC CONTROLS (OPTIONAL)	16 CUSTOM (OPTIONAL)
B# battery pack 4' sections	F fuse EF end feed CP Chicago plenum FW(#) flex whip (6' std)	DS# daylight sensor OS# occupancy sensor DS+OS# daylight+occupancy sensor DOS# daylight&occupancy sensor	C custom
		See integrated controls guide for further details	Please specify

● CONSTRUCTION

Housing	Extruded Aluminum (0.075" nominal) up to 70% Recycled Content
Interior Brackets	Die Formed Sheet Steel (18 ga)
Reflectors	Specular Aluminium
Blank	Extruded Aluminum (0.075" nominal)
Lenses	Extruded Acrylic (0.070" nominal) Frosted: 85% trans.
T-Bar Bracket	Die Formed Sheet Steel (16 ga)
Screw Slot T-Bar Bracket	Die Formed Sheet Steel (16 ga)
Slip-Through Bracket	Die Formed Sheet Steel (18 ga)
Spackle Flange	Die Formed Perforated Sheet Steel (20 ga)
Flange	Extruded Aluminum (0.075" nominal) visible flange width: 9/16"

● WEIGHT

4 ft	14.5 lbs / 6.6 kg
8 ft	29.0 lbs / 13.2 kg
12 ft	43.5 lbs / 19.7 kg

● SYSTEM (S#)

BEAM 4 linear systems, with the use of a strong profile, allow for a nearly hair thin connection system of continuous runs. Lengths of 4', 8', 12' as well as custom lengths are available. Runs of BEAM 4 that are greater than 12' in length are designated as systems (S#). This means that the run is comprised of a combination 4', 8' and/or 12' sections to be assembled on site using our joining system. For more information on systems and joining, please refer to the BEAM installation sheets available for download at www.axislighting.com.

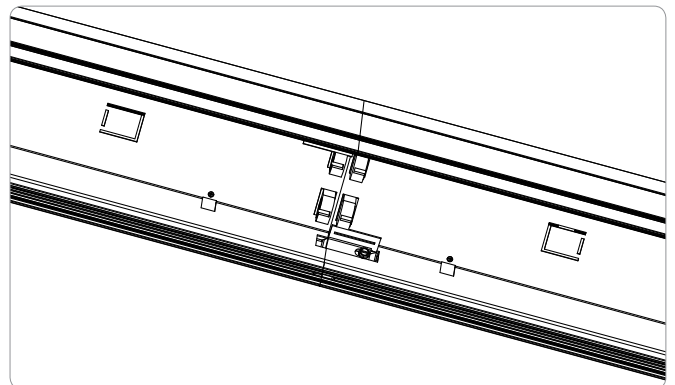
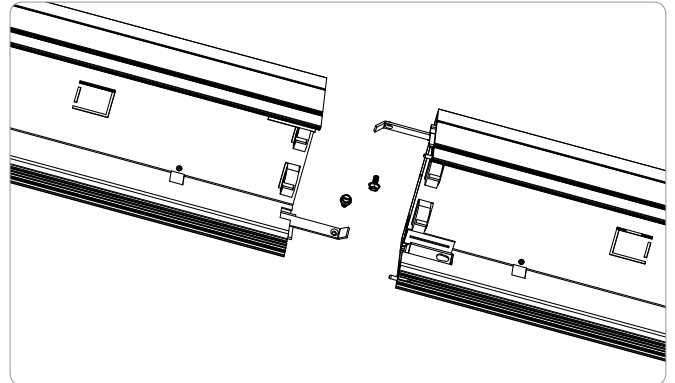
● ELECTRICAL

Ballast	Electronic IS, Electronic Rapid Start, Dimming (0-10V, Line, EcoSystem, DALI), BI-level dimming With preinstalled ballast disconnect as per NEC & CEC
Emergency	Emergency battery pack or emergency circuit
Voltage	120V, 277V, 347V, UNV

i Incorporating these components may have limitations or effect the length of the luminaire, please contact factory for more details.

● JOINERS

In order to allow very long runs of BEAM luminaires, Axis has developed a number of different joining systems. Special care has been taken to maximize the performance of the joiner for each BEAM option.



TB JOINER

NOTE: Hang each system segment individually. Do not assemble system prior to hanging.

● FINISH

Powder Coated and custom finishes are also available.

● APPROVALS

Certified to UL and CUL standards
 Meets NYC requirements
 Meets CCEC requirements (Chicago plenum)
 Suitable for damp locations.
 IC Rated (Insulated ceiling)

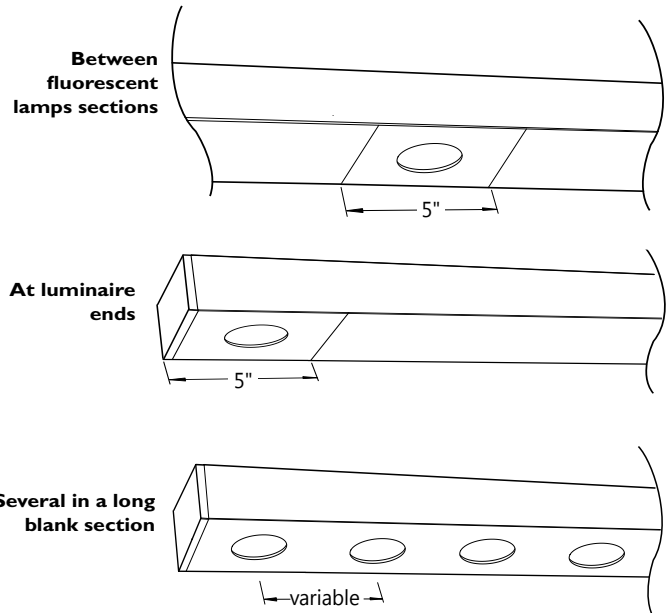
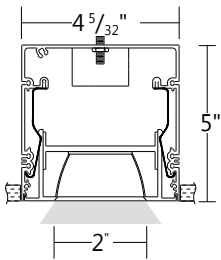
● CHIP ON BOARD (CB)

Blank Extruded Aluminum (0.075" nominal)

CB3 2.0" diameter fixed, 900 or 1250 lumen, 25°, 34°, 46°; 3000K, R9 =70, CRI=90, 3 Macadam Ellipse

Quantity For every 4' lamp section, there may be up to a maximum of 4 chip on board (CB) downlights.

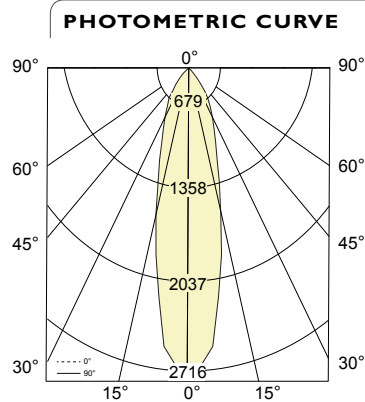
Spacing Each CB downlight is placed centered on a blank section 5" in length. Within a given section length, a series of downlights will be spaced evenly on a longer blank section. Custom spacing available on special request.



● PHOTOMETRIC DATA FOR CHIP ON BOARD (CB) DOWNLIGHT

CB20925#

Fixed LED 2" diameter 900lm 25deg



ACTUAL LUMEN: 929 lm
INPUT WATTS: 13 W
EFFICACY: 72 lm/W
 IES FILE: CB20925.ies

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	2716	2716	2716	2716	2716	16
5	2498	2498	2498	2498	2498	119
15	1059	1059	1059	1059	1059	150
25	510	510	510	510	510	118
35	251	251	251	251	251	79
45	28	28	28	28	28	11
55	0	0	0	0	0	0
65	0	0	0	0	0	0
75	0	0	0	0	0	0
85	0	0	0	0	0	0
90	1	1	1	1	1	0

CB21225#

Fixed LED 2" diameter 1250lm 25deg

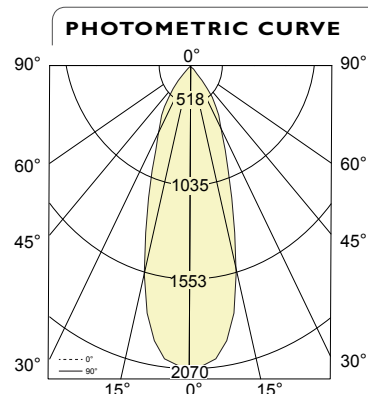
ACTUAL LUMEN: 1273 lm
INPUT WATTS: 18 W
EFFICACY: 72 lm/W
 IES FILE: CB21225.ies

i All IES files are available for download at: www.axislighting.com

● **PHOTOMETRIC DATA FOR CHIP ON BOARD (CB) DOWNLIGHT**

CB20934#

Fixed LED 2" diameter 900lm 34deg



ACTUAL LUMEN: 943 lm
INPUT WATTS: 13 W
EFFICACY: 73 lm/W
 IES FILE: CB20934.ies

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	2070	2070	2070	2070	2070	12
5	2012	2012	2012	2012	2012	96
15	1181	1181	1181	1181	1181	168
25	522	522	522	522	522	121
35	259	259	259	259	259	81
45	28	28	28	28	28	11
55	0	0	0	0	0	0
65	0	0	0	0	0	0
75	0	0	0	0	0	0
85	0	0	0	0	0	0
90	0	0	0	0	0	0

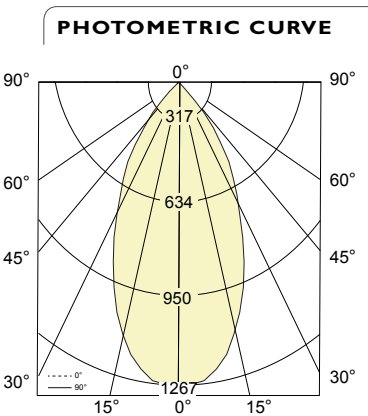
CB21234#

Fixed LED 2" diameter 1250lm 34deg

ACTUAL LUMEN: 1292 lm
INPUT WATTS: 18 W
EFFICACY: 73 lm/W
 IES FILE: CB21234.ies

CB20946#

Fixed LED 2" diameter 900lm 46deg



ACTUAL LUMEN: 914 lm
INPUT WATTS: 13 W
EFFICACY: 71 lm/W
 IES FILE: CB20946.ies

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	1267	1267	1267	1267	1267	8
5	1250	1250	1250	1250	1250	60
15	993	993	993	993	993	141
25	608	608	608	608	608	141
35	317	317	317	317	317	100
45	49	49	49	49	49	19
55	3	3	3	3	3	1
65	0	0	0	0	0	0
75	0	0	0	0	0	0
85	0	0	0	0	0	0
90	0	0	0	0	0	0

CB21246#

Fixed LED 2" diameter 1250lm 46deg

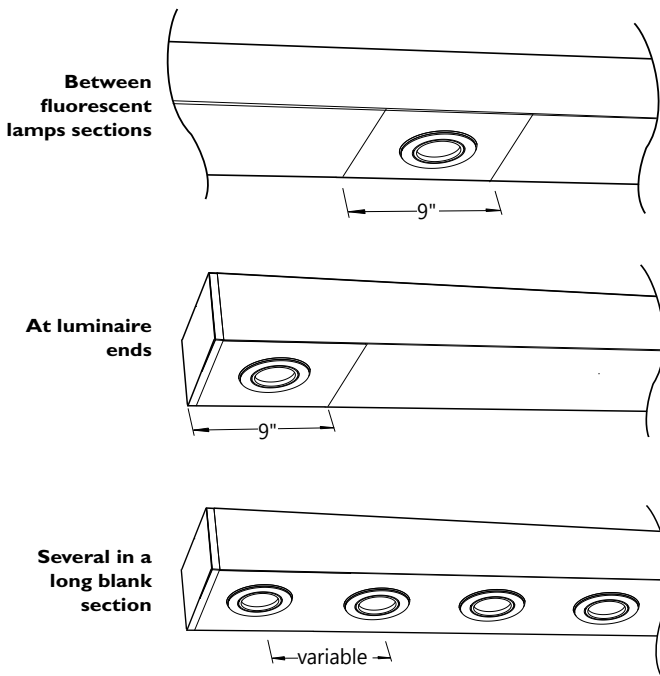
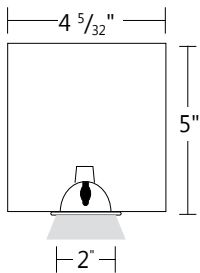
ACTUAL LUMEN: 1252 lm
INPUT WATTS: 18 W
EFFICACY: 71 lm/W
 IES FILE: CB21246.ies

i All IES files are available for download at: www.axislighting.com

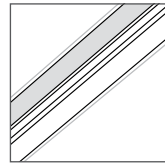
● **MR16 DOWNLIGHT**

- Blank** Extruded Aluminum (0.075" nominal)
- MR16 Halogens** 2.0" diameter (35W / 50W)
- MR16 LED** 2.0" diameter adjustable
- Quantity** For every 4' lamp section, there may be up to a maximum of 4 downlights.

Spacing Each MR16 is placed centered on a blank section 9" in length. Within a given section length, a series of downlights will be spaced evenly on a longer blank section. Custom spacing available on special request.

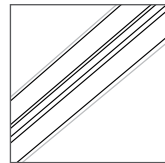


● **OPTICS**



AF asymmetric frosted

ASYMMETRIC FROSTED LENS
 (acrylic snap-in lens)
 frosted: 85% trans.



A asymmetric

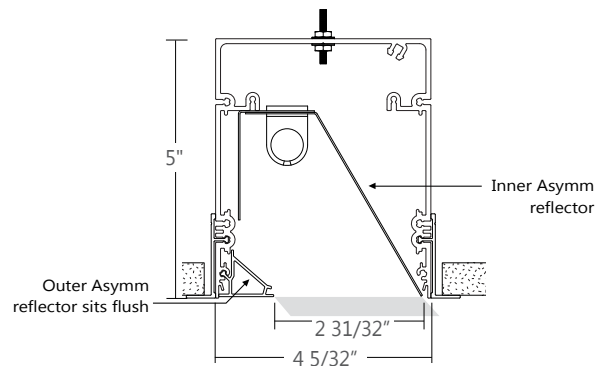
ASYMMETRIC NO LENS
 (asymmetric reflector)

● **ASYMMETRIC**

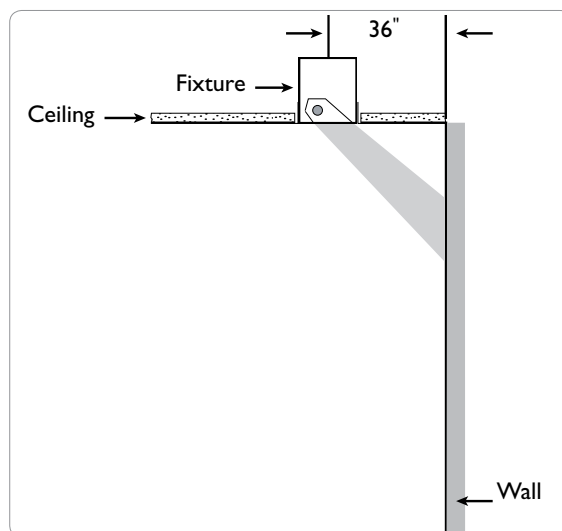
Indirect/Inner Asymmetric Reflector

Die Formed Specular Aluminum (22 gauge)
 Extruded Aluminum (0.075" nominal)

Outer Asymmetric Reflector

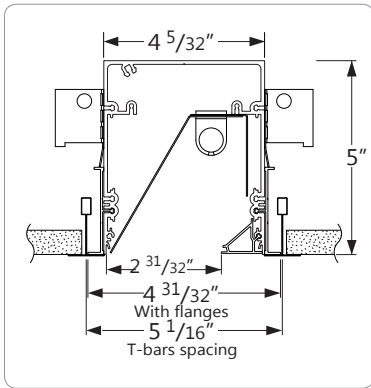


● **LIGHT WASH**

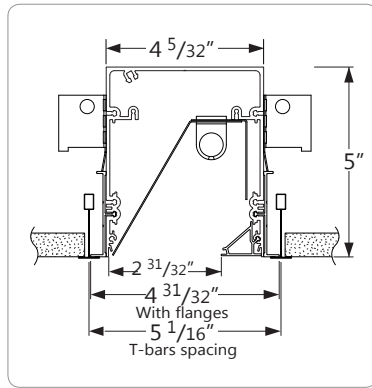


NOTE: Recommended distance away from the wall would be 3 to 4ft.

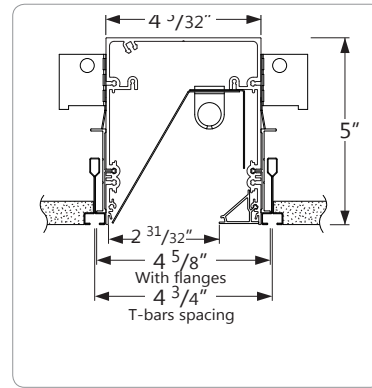
● **TB CEILING MOUNTING OPTIONS**



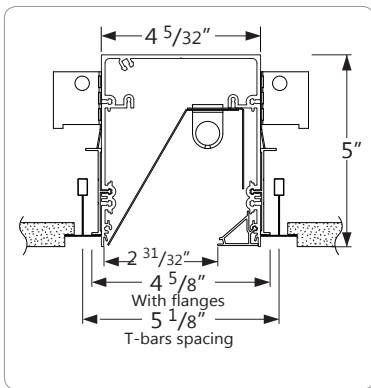
TB15 15/16" T-BAR



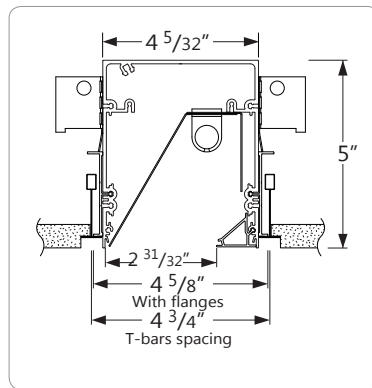
TB9 9/16" T-BAR



ST SCREW SLOT T-BAR

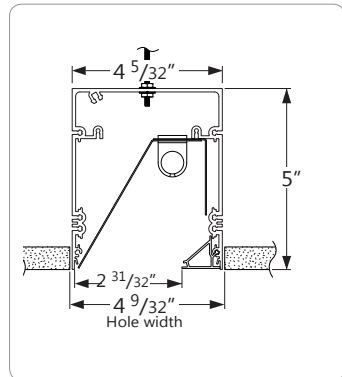


TG15 15/16" TEGULAR

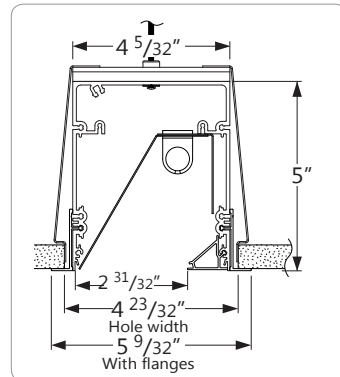


TG9 9/16" TEGULAR

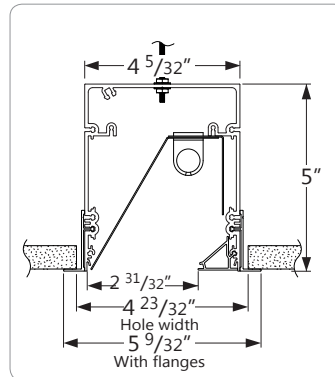
● **DRYWALL CEILING MOUNTING OPTIONS**



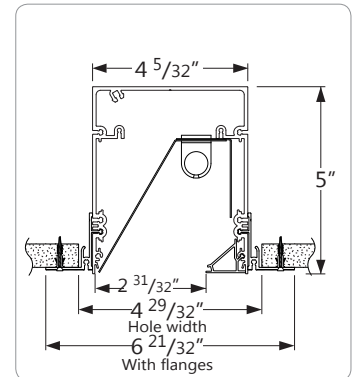
D FLANGELESS WITH 1/4-20 STUD MOUNTING



DB VISIBLE FLANGES WITH SLIP-THROUGH BRACKET



DF VISIBLE FLANGES WITH 1/4-20 STUD MOUNTING

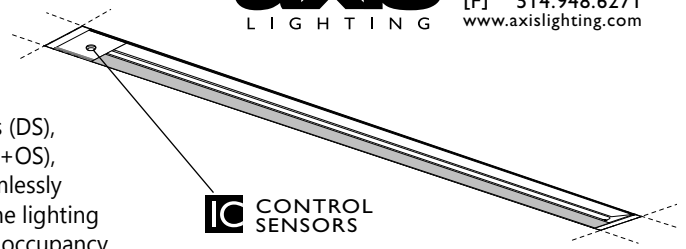


DS SPACKLE FLANGES

● **OTHER MOUNTING OPTIONS**

BEAM 4 is also available with pendant, surface, wall, recessed wall and wall wash mounted options.

i Specification sheets and Installation sheets for all mounting for BEAM luminaires are available for download at www.axislighting.com



● INTEGRATED CONTROL OPTIONS

BEAM 4 luminaires allow the use of integrated controls such as daylight sensors (DS), occupancy sensors (OS), individual daylight sensors and occupancy sensors (DS+OS), and combination daylight/occupancy sensors (DOS). These options can be seamlessly integrated into our luminaires. The control system could be used to optimize the lighting of the space by reducing energy consumption through daylight harvesting and occupancy, thereby improving the overall interior environment and allowing for LEED credits.

- Consult factory for other options.
- Refer to IC brochure for more information.

SENSORS	BRAND	Model	TYPE	CODE	COMPATIBLE DIMMING BALLAST
Daylight Sensor (DS)	Lutron	EC-DIR-WH	Daylight	LD	EcoSystem
	Wattstopper	FD-301	Daylight	WD	0-10V
	Philips	Luxsense	Daylight	PL	0-10V
Occupancy Sensor (OS)	Wattstopper	FS-205	PIR Occupancy	WP1	Programmed Rapid Start
		FS-355	PIR Occupancy	WP2	Programmed Rapid Start
		FM-105	High Frequency Occupancy	WH	Programmed Rapid Start
Daylight & Occupancy Sensors (DOS)	Philips	Actilume	Daylight & PIR Occupancy	PA	DALI or 0-10V