

FUSION

Spotlight



FUSION SPOTLIGHT

provides an adjustable, flexible lighting option for hospitality, retail and commercial applications. The incredibly small lighting heads are highly efficient in their standard downlight orientation or they can be extended, rotated and aimed to provide light exactly where needed.



FEATURES

- Spotlights hang below the ceiling a maximum of 1-1/4", minimizing the impact on the ceiling architecture
- Flangeless version LED modules are spring loaded for easy access below ceiling
- Each spotlight can be rotated 355° and tilted up to 90°

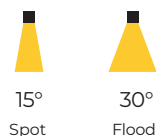
GOOD TO KNOW

- The Fusion Spot fixture combines the architectural design of recessed lighting with the flexibility of track lighting
- Each spotlight can be aimed independently for maximum design flexibility
- Mix & match with other FUSION modules for endless unique designs

SPECIFICATIONS

OPTICAL

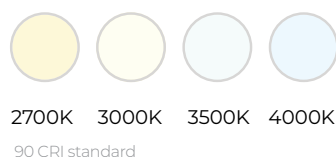
- Beam Angle



- Fixture / Reflector Finish



- Color Temperature



MECHANICAL

- Die cast fixture body
- End mounted mouse trap style springs
- Available in self-flanged or flangeless trim versions
- Install in ceilings between 1/2" and 1" thick
- 1/2" cylindrical spotlights rotate up to 355° and tilt up to 90°
- LED module is spring loaded for easy installation in flangeless trim
- Available in matte black or matte white finish

HOUSING

- New construction steel frame supplied with universal bar hangers
- Butterfly brackets are available in options
- Bar hangers are adjustable from 13-1/4" to 24-1/2"
- Fixture and driver are serviceable from below the ceiling

ELECTRICAL

- Universal 120V-277V, 50/60Hz, 0-10V or 120V, 60Hz Triac/ELV dimming driver available DALI, 347V
- Drivers connect to LED modules using quick connect cable

THERMAL

- Die cast aluminum heat sink
- Ambient fixture operating range: -20°C to 40°C (-4°F to 104°F)

COMPLIANCE

- ETL listed for Damp locations

WARRANTY

- 5 Year limited parts warranty



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PRODUCT CODE

Build Your Specification - A complete luminaire includes Product Codes for a Fixture and Housing, ordered separately

Fixture

FUS						
SERIES	SIZE / SHAPE	NOM. LUMEN OUTPUT	BEAM ANGLE	CRI / CCT	FLANGE TYPE	FIXTURE FINISH
FUS FUSION	S1¹ 1 Spot light	2L 220 lumens per light	SP Spot(15°)	927 90 / 2700K	SF Self Flanged	BL Matte Black
	S2 2 Spot lights		FL Flood (30°)	930 90 / 3000K	NF² No Flange	WH Matte White
	S3 3 Spot lights			935 90 / 3500K		
	S6 6 Spot lights			940 90 / 4000K		

Housing

FUS						
SERIES	SIZE / SHAPE	FLANGE TYPE	NOM. LUMEN OUTPUT	TYPE	DIMMING DRIVER / VOLTAGE	OPTIONS
FUS FUSION	S1 ¹ 1 Spot light	SF Self Flanged	2L 220 lumens per light	NC New Construction Non-IC	PD120V Phase Dimming Triac & ELV (120V only)	EM Emergency battery backup, above ceiling access or remote installation required
	S2 2 Spot lights	NF ² No Flange		RM Remodel Non-IC	010UNV 0-10V Dimming Universal 120V-277V,	
	S3 3 Spot lights			IC/AT New Construction Insulated Ceiling/ Airtight	DALIUNV ³ DALI Dimming Universal 120V-277V	
	S6 6 Spot lights	REM Remote or to power multiple fixtures per driver consult factory		* 347V (available in 0-10V only)	BB Butterfly Brackets Kit	
					*Consult factory for specific control requirements	

*Consult factory for specific control requirements

ACCESSOIRES OPTIONS

ACC	BB
	BB Butterfly Brackets Kit

1 Consult factory for dimming option **2** Available in 3 and 6 light only **3** Only for new construction Non-IC or Remodel Non-IC

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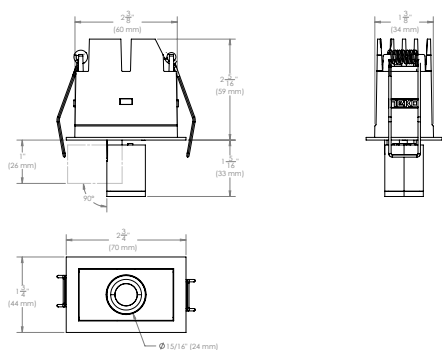
Spotlight



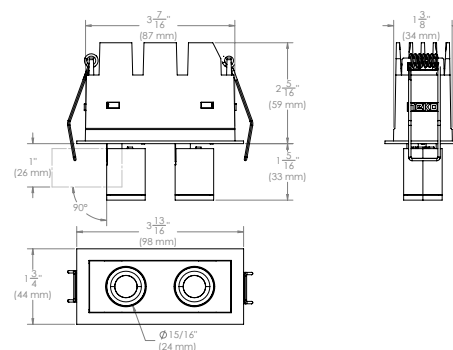
DIMENSIONS

Fixture

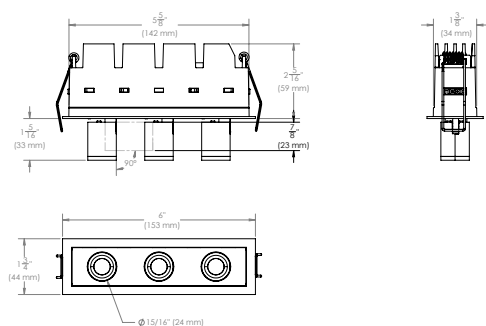
Spot 1 Light



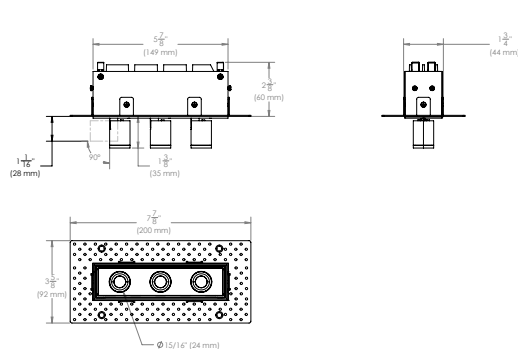
Spot 2 Light



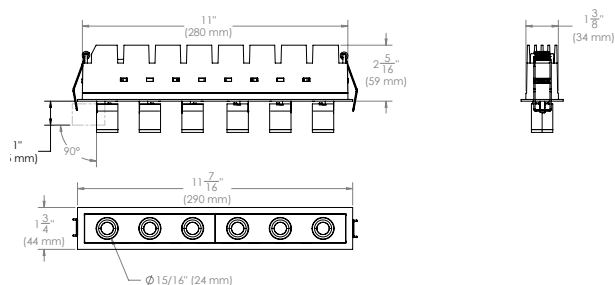
Spot 3 Light



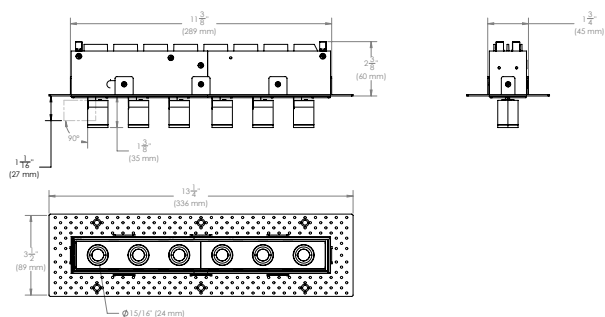
Spot 3 Light Flangeless



Spot 6 Light



Spot 6 Light Flangeless



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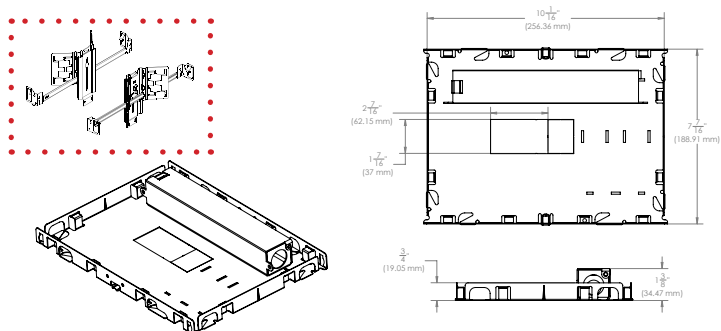


DIMENSIONS

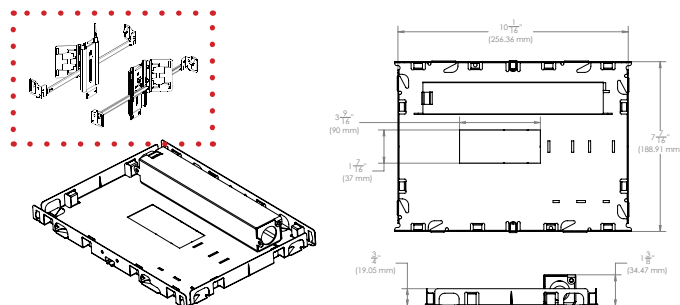
Housing

* Butterfly brackets ordered separately

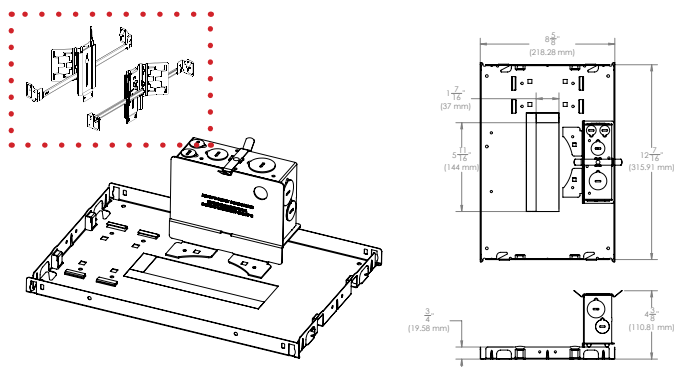
1 Light Self Flanged



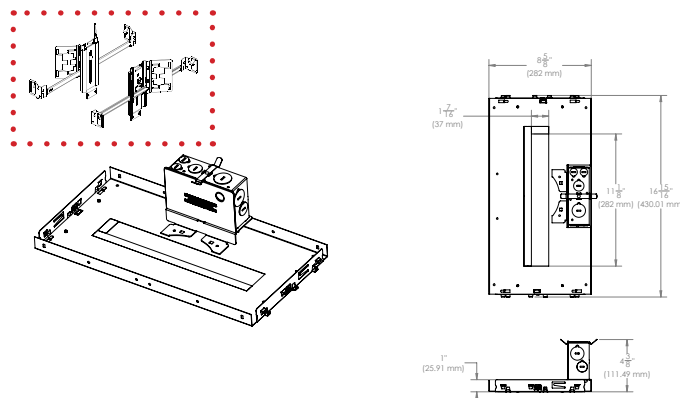
2 Light Self Flanged



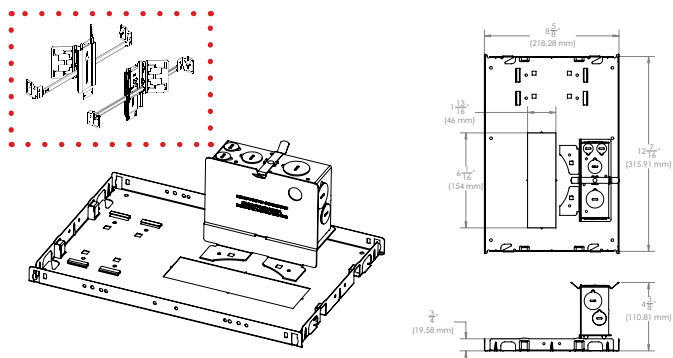
3 Light Self Flanged



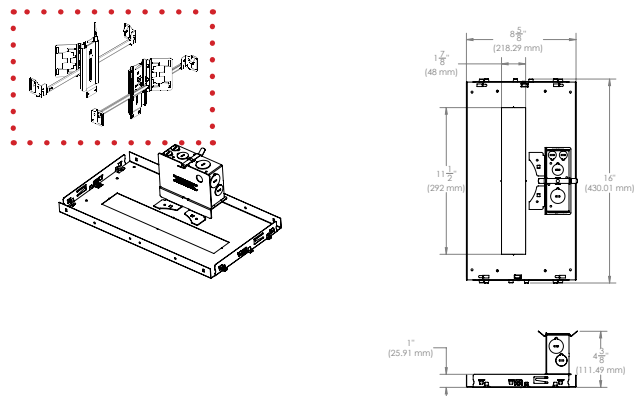
6 Light Self Flanged



3 Light Flangeless



6 Light Flangeless



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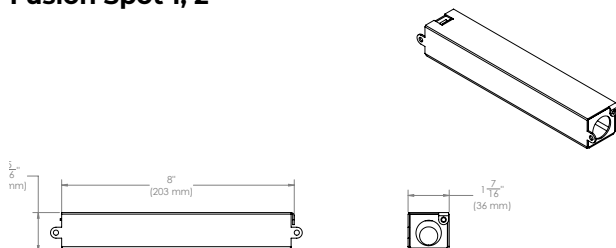
Spotlight



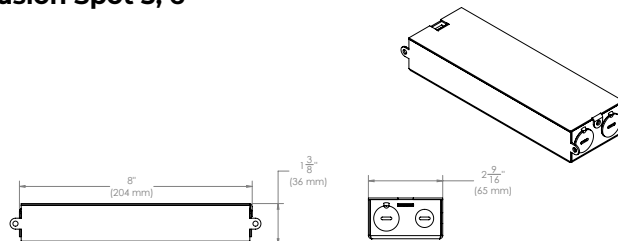
DIMENSIONS

Housing

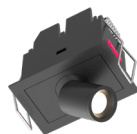
Remodel Driver Housing Fusion Spot 1, 2



Remodel Driver Housing Fusion Spot 3, 6



FIXTURE FINISH



Matte Black



Matte White

Fixture	Ceiling Cutout
1 Light Self Flanged	2-7/16" x 1-7/16" (62 x 37mm)
2 Light Self Flanged	3-9/16" x 1-7/16" (90 x 37mm)
3 Light Self Flanged	5-11/16" x 1-7/16" (144 x 37mm)
6 Light Self Flanged	11-1/8" x 1-7/16" (282 x 37mm)
3 Light Flangeless	6" x 1-3/4" (152 x 44mm)
6 Light Flangeless	11-7/16" x 1-3/4" (290 x 44mm)

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PHOTOMETRIC PERFORMANCE

Technical Information Table

Fixture	Input Voltage	Input Current	Input Power	THD	Power Factor	Output Voltage
S1 = Spot 1 light	120 / 277	700mA	3W	<20%	>0.9	3.5V (3-5V)
S2 = Spot 2 light	120 / 277	700mA	6W	<20%	>0.9	7.0V (5-9V)
S3 = Spot 3 light	120 / 277	700mA	9W	<20%	>0.9	10.5V (9-12V)
S6 = Spot 6 light	120 / 277	700mA	15W	<20%	>0.9	21V (19-23V)

Nominal Performance

Fixture	Beam Angle	4000K	
		Lumens	LPW
S1 = Spot 1 light	Spot (15°)	213	71
	Flood (30°)	224	75
S2 = Spot 2 light	Spot (15°)	442	74
	Flood (30°)	465	78
S3 = Spot 3 light	Spot (15°)	617	69
	Flood (30°)	652	72
S6 = Spot 6 light	Spot (15°)	1222	81
	Flood (30°)	1334	89

Multiplier Tables

CCT	Conversion Factor
2700K	0.82
3000K	0.92
3500K	0.96
4000K	1.00