



BISP15Q

Bismarck Hazardous Location LED Explosion Proof Luminaire

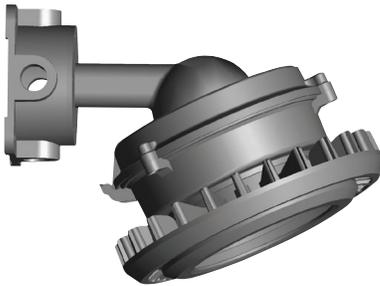
Pendant Mount



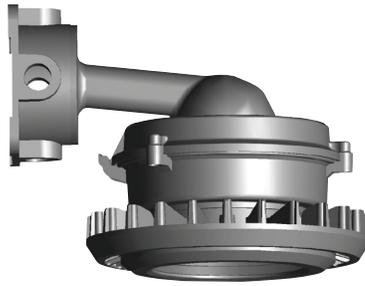
Ceiling Mount



Wall Mounts

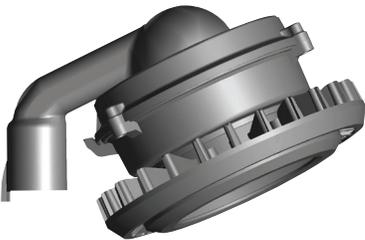


Shown with 25° Wall Mount



Shown with 90° Wall Mount

Stanchion Mounts

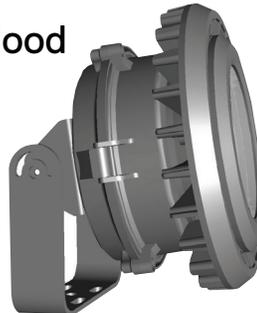


Shown with 25° Stanchion Mount



Shown with 90° Stanchion Mount

Flood



Shown with Adjustable Yoke

The SaySpec Bismarck BISP15Q Class 1, Division 2 Explosion Proof Hazardous Location Luminaire is available with a clear tempered glass lens. Typical lighting applications include industrial facilities, oil, gas, painting facilities, manufacturing, and auto service facilities.

SPECIFICATIONS AND FEATURES:

HOUSING:

Heavy-Duty Die Cast Aluminum Housing

LISTING & RATINGS:

ETL Listed for Hazardous Locations Per UL844 as Follows: Class 1, Division 2 Groups A, B, C, D; T4 Temperature Rating, -25°C to +50°C Ambient. Suitable for Wet Locations, Sealed LED Compartment

FINISH:

Powdercoat Finish Over a Chromate Conversion Coating.

LENS:

Clear Tempered Glass Lens

MOUNTING OPTIONS:

Mountings Include Pendant (Conduit by Others), Ceiling Mount Box, 25° and 90° Wall Mount with Box, 25° and 90° Stanchions, and Adjustable Yoke. Yoke Mount Includes 3' 16/3 SJOOW Cord and Rated Connector. Rated for 6 #12 AWG 90°C for Through Wiring. Mounts Shipped Separately, Field Installed.

LED:

Aluminum Boards; 183,000 Hours of L70 LED Life (25 °C)

WATTAGE:

Array: 56.7w, System: 64w

DRIVER:

Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

WARRANTY:

5-Year Warranty

See Page 4 for Projected Lumen Maintenance Table.

Project Information:	
PROJECT NAME:	FIXTURE TYPE:
COMPLETE CATALOG#:	DATE:
COMMENTS:	

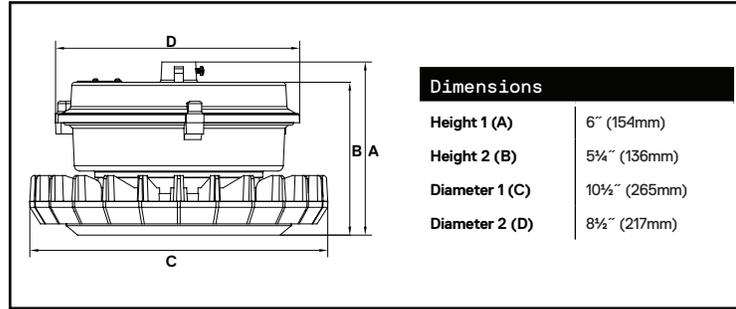
Certification & Listings:	
	Class 1, Division 2 Groups A, B, C, D T4 Temperature Rating



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Pendant Mount



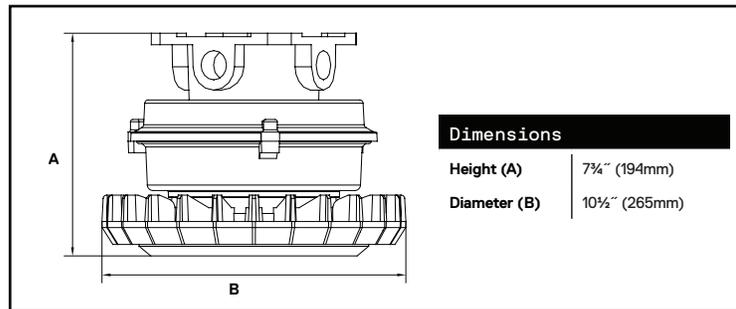
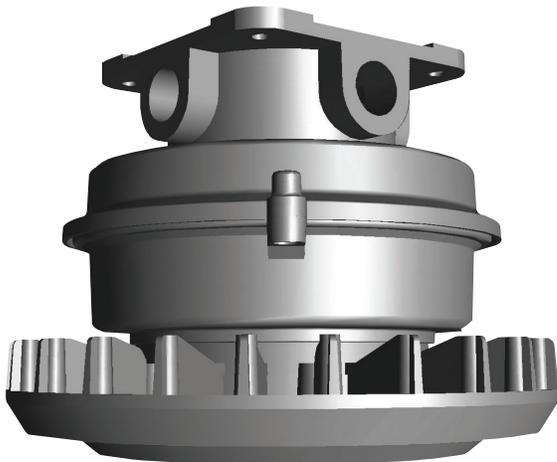
1/2" PENDANT HUB

Order Information Example:

BISP15QF57U5KCGPSP

Model	Optics	Wattage	Driver	CCT	Lens	Color	Mount	Options
BISP15Q	F	57	U	5K	C	G	P	
BISP15Q= Bismarck LED Hazardous Location Explosion Proof Luminaire	F=Wide	57=57w	U=120-277V	4K=4000K 5K=5000K	C=Clear Tempered Glass Lens	G=Gray	P=Pendant Mount (Conduit by Others)	SP=Surge Protection

Ceiling Mount



3/4" ENTRANCE PLUGS

Order Information Example:

BISP15QF57U5KCGCMSP

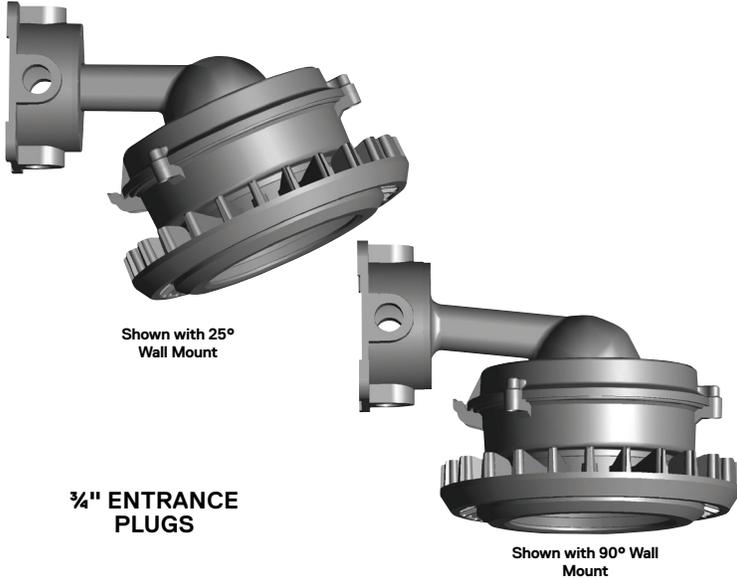
Model	Optics	Wattage	Driver	CCT	Lens	Color	Mount	Options
BISP15Q	F	57	U	5K	C	G	CM	
BISP15Q= Bismarck LED Hazardous Location Explosion Proof Luminaire	F=Wide	57=57w	U=120-277V	4K=4000K 5K=5000K	C=Clear Tempered Glass Lens	G=Gray	CM=Ceiling Mount	SP=Surge Protection



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Wall Mounts



25° Wall Mount

Dimensions	
Height 1 (A)	10" (256mm)
Height 2 (B)	5½" (140mm)
Length (C)	13¾" (352mm)
Width (D)	10½" (265mm)

90° Wall Mount

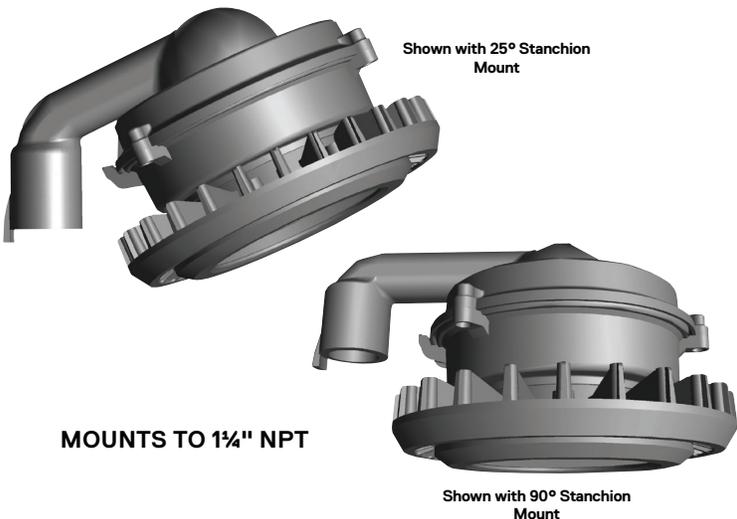
Dimensions	
Height 1 (A)	9¾" (246mm)
Height 2 (B)	5½" (140mm)
Length (C)	13¾" (336mm)
Width (D)	10½" (265mm)

Order Information Example:

BISP15QF57U5KCGW25SP

BISP15Q	F	57	U	5K	C	G		
Model	Optics	Wattage	Driver	CCT	Lens	Color	Mount	Options
BISP15Q= Bismarck LED Hazardous Location Explosion Proof Luminaire	F=Wide	57=57w	U=120-277V	4K=4000K 5K=5000K	C=Clear Tempered Glass Lens	G=Gray	W25=25° Wall Mount W90=90° Wall Mount	SP=Surge Protection

Stanchion Mounts



25° Stanchion

Dimensions	
Height 1 (A)	8½" (216mm)
Length (B)	13¾" (343mm)
Width (C)	10½" (265mm)

90° Stanchion

Dimensions	
Height 1 (A)	7¾" (186mm)
Length (B)	13¾" (338mm)
Width (C)	10½" (265mm)

Order Information Example:

BISP15QF57U5KCGS25SP

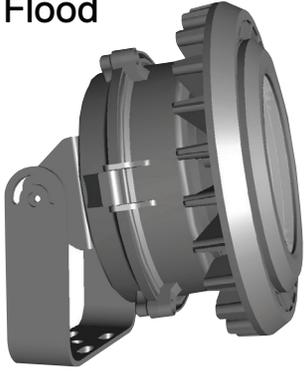
BISP15Q	F	57	U	5K	C	G		
Model	Optics	Wattage	Driver	CCT	Lens	Color	Mount	Options
BISP15Q= Bismarck LED Hazardous Location Explosion Proof Luminaire	F=Wide	57=57w	U=120-277V	4K=4000K 5K=5000K	C=Clear Tempered Glass Lens	G=Gray	S25=25° Stanchion S90=90° Stanchion	SP=Surge Protection



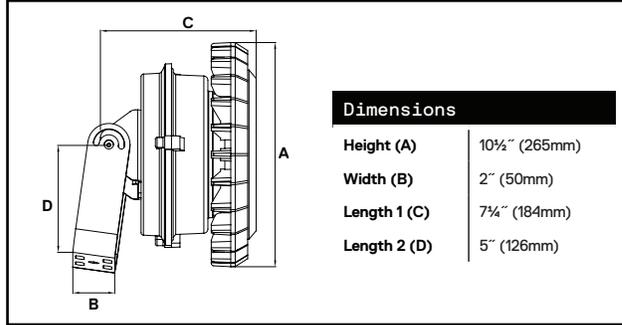
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Flood



Shown with Adjustable Yoke

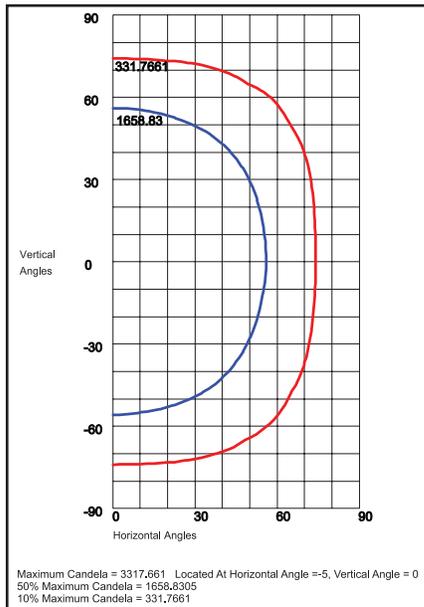


Order Information Example:

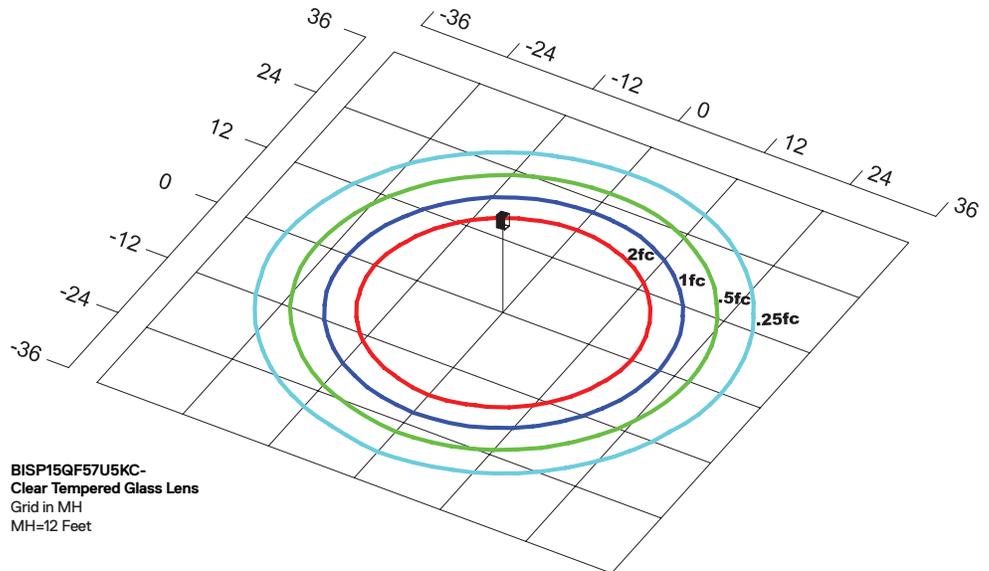
BISP15QF57U5KCGYSP

Model	Optics	Wattage	Driver	CCT	Lens	Color	Mount	Options
BISP15Q	F	57	U	5K	C	G	Y	
BISP15Q= Bismarck LED Hazardous Location Explosion Proof Luminaire	F=Wide	57=57w	U=120-277V	4K=4000K 5K=5000K	C=Clear Tempered Glass Lens	G=Gray	Y=Adjustable Yoke	SP=Surge Protection

PHOTOMETRIC DATA



BISP15QF57U5KC-
Clear Tempered Glass Lens





BISP15

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PHOTOMETRIC PERFORMANCE

					5000 CCT 80 CRI	
LED Board Watts	Drive Current (mA)	Input Watts		Optics	Lumens	LPW
LED 57w (Clear Lens)	175	64	F	110°H x 110°V, NEMA 7H x 7V	8,957	140

PROJECTED LUMEN MAINTENANCE

Data shown for 5000 CCT			Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C	
L70 Lumen Maintenance @ 25°C / 77°F	64	1.00	0.96	0.92	0.84	183,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C	
L80 Lumen Maintenance @ 50°C / 104°F	64	1.00	0.93	0.86	0.71	105,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C	
L80 Lumen Maintenance @ 40°C / 104°F	64	1.00	0.94	0.88	0.75	81,000	

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 175mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.