



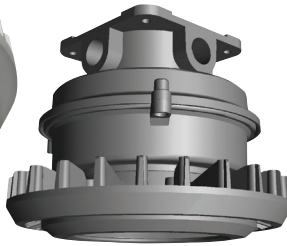
BISP15Q

Bismarck Hazardous Location LED Explosion Proof Luminaire

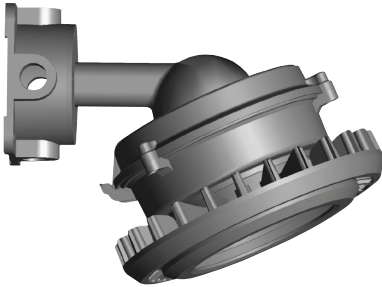
Pendant Mount



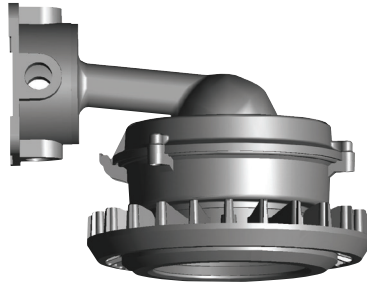
Ceiling Mount



Wall Mounts

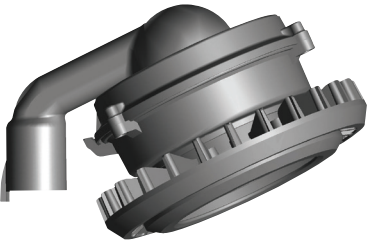


Shown with 25° Wall Mount

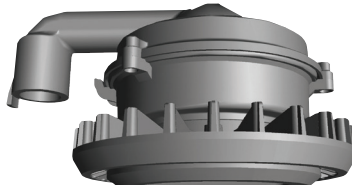


Shown with 90° Wall Mount

Stanchion Mounts

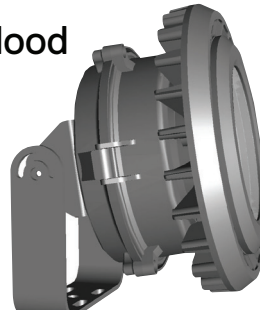


Shown with 25° Stanchion Mount



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:



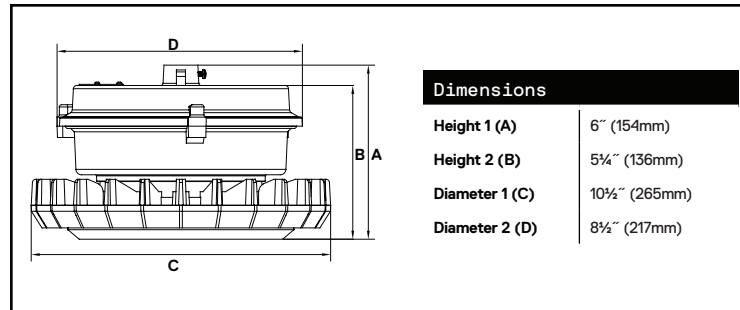
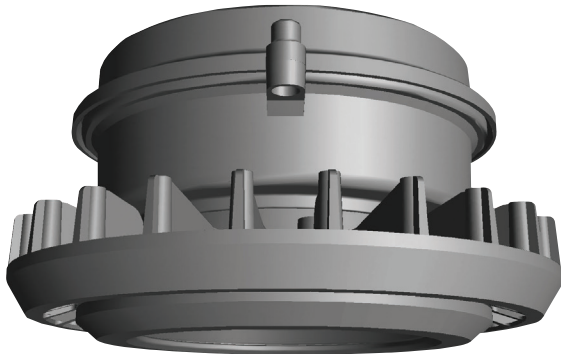
Class 1, Division 2
Groups A, B, C, D
T4 Temperature Rating



BISP15Q

Bismarck Hazardous Location LED
Explosion Proof Luminaire

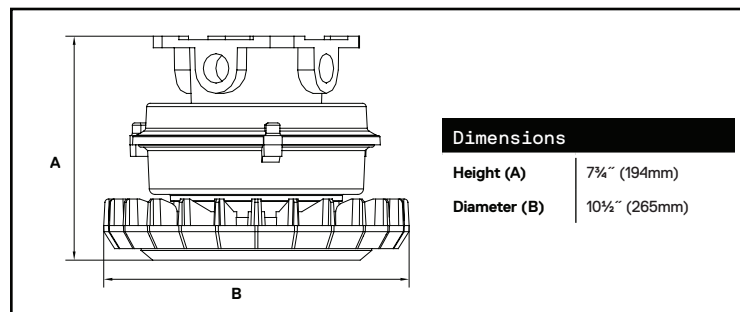
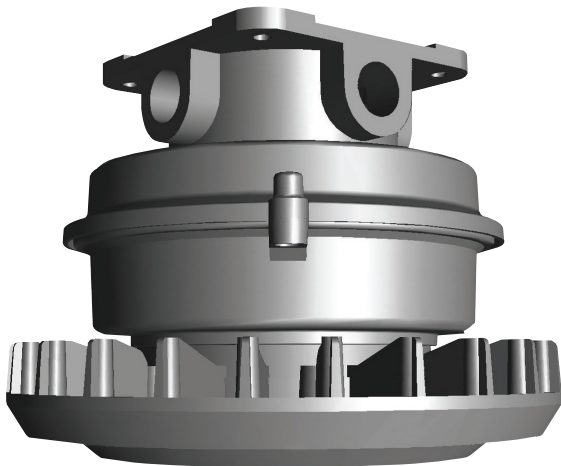
Pendant Mount



1/2" PENDANT HUB

Order Information Example:				BISP15QF57U5KCGPSP				
BISP15Q	F	57	U	5K	C	G	P	
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	P=Pendant Mount (Conduit by Others)	SP=Surge Protection

Ceiling Mount



3/4" ENTRANCE PLUGS

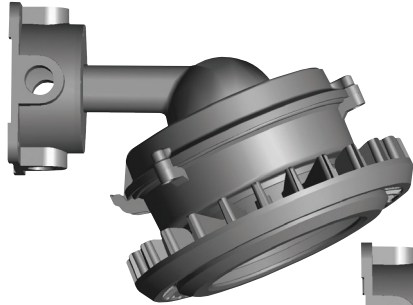
Order Information Example:				BISP15QF57U5KCGCMSP				
BISP15Q	F	57	U	5K	C	G	CM	
Model	Optics	Wattage	Driver	CCT	Lens	Color	Mount	Options
BISP15Q= Bismarck LED Hazardous Location Explosion Proof Luminaire	F=Wide	57=57w	U=120-277V	4K=4000K 5K=5000K	C=Clear Tempered Glass Lens	G=Gray	CM=Ceiling Mount	SP=Surge Protection



BISP15Q

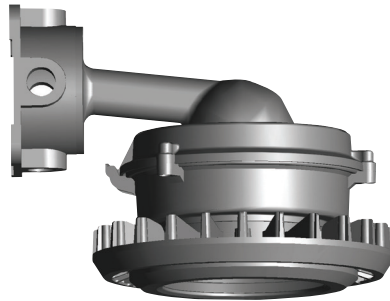
Bismarck Hazardous Location LED Explosion Proof Luminaire

Wall Mounts



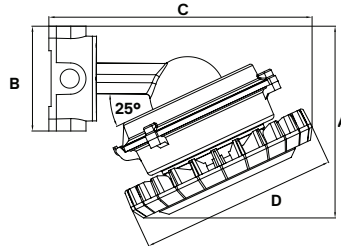
Shown with 25° Wall Mount

3/4" ENTRANCE PLUGS



Shown with 90° Wall Mount

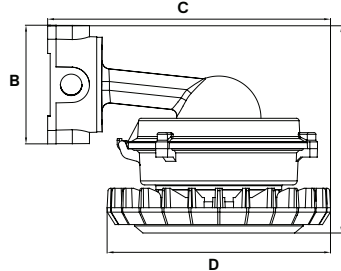
25° Wall Mount



Dimensions

Height 1 (A)	10" (256mm)
Height 2 (B)	5 1/2" (140mm)
Length (C)	13 3/4" (352mm)
Width (D)	10 1/2" (265mm)

90° Wall Mount



Dimensions

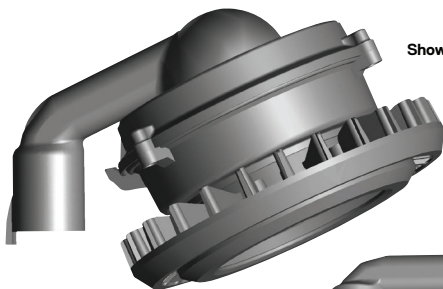
Height 1 (A)	9 3/4" (246mm)
Height 2 (B)	5 1/2" (140mm)
Length (C)	13 3/4" (336mm)
Width (D)	10 1/2" (265mm)

Order Information Example:

BISP15QF57U5KCGW25SP

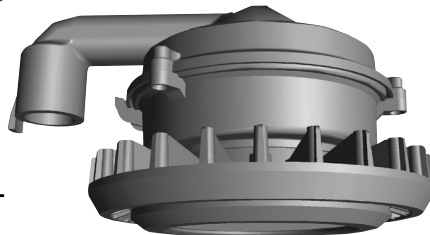
Model	Optics	Wattage	Driver	CCT	Lens	Color	Mount	Options
BISP15Q	F	57	U	5K	C	G		
BISP15Q= Bismarck LED Hazardous Location Explosion Proof Luminaire	F=Wide	57=57w	U=120-277V	4K=4000K 5K=5000K	C=Clear Tempered Glass Lens	G=Gray	W25=25° Wall Mount W90=90° Wall Mount	SP=Surge Protection

Stanchion Mounts



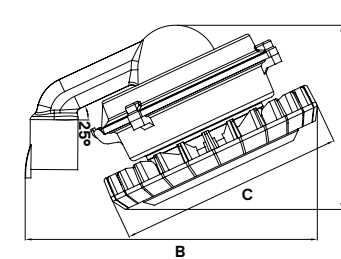
Shown with 25° Stanchion Mount

MOUNTS TO 1 1/4" NPT



Shown with 90° Stanchion Mount

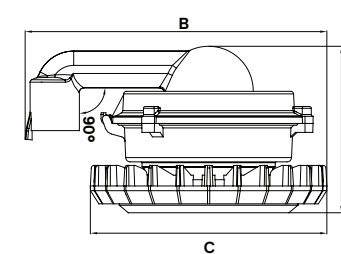
25° Stanchion



Dimensions

Height 1 (A)	8 1/2" (216mm)
Length (B)	13 3/4" (343mm)
Width (C)	10 1/2" (265mm)

90° Stanchion



Dimensions

Height 1 (A)	7 3/4" (186mm)
Length (B)	13 3/4" (338mm)
Width (C)	10 1/2" (265mm)

Order Information Example:

BISP15QF57U5KCGS25SP

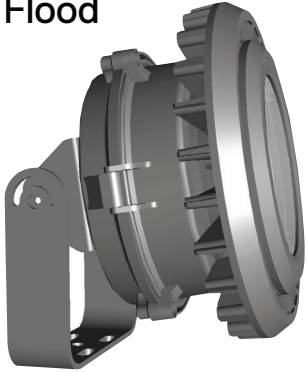
Model	Optics	Wattage	Driver	CCT	Lens	Color	Mount	Options
BISP15Q	F	57	U	5K	C	G		
BISP15Q= Bismarck LED Hazardous Location Explosion Proof Luminaire	F=Wide	57=57w	U=120-277V	4K=4000K 5K=5000K	C=Clear Tempered Glass Lens	G=Gray	S25=25° Stanchion S90=90° Stanchion	SP=Surge Protection



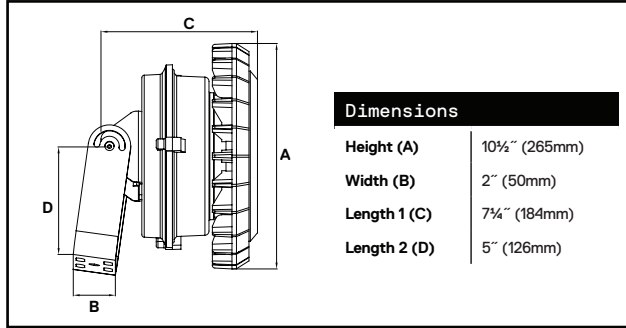
BISP15Q

Bismarck Hazardous Location LED Explosion Proof Luminaire

Flood



Shown with Adjustable Yoke

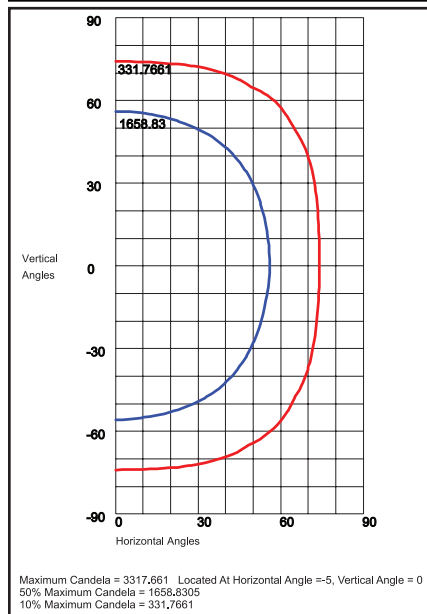


Order Information Example:

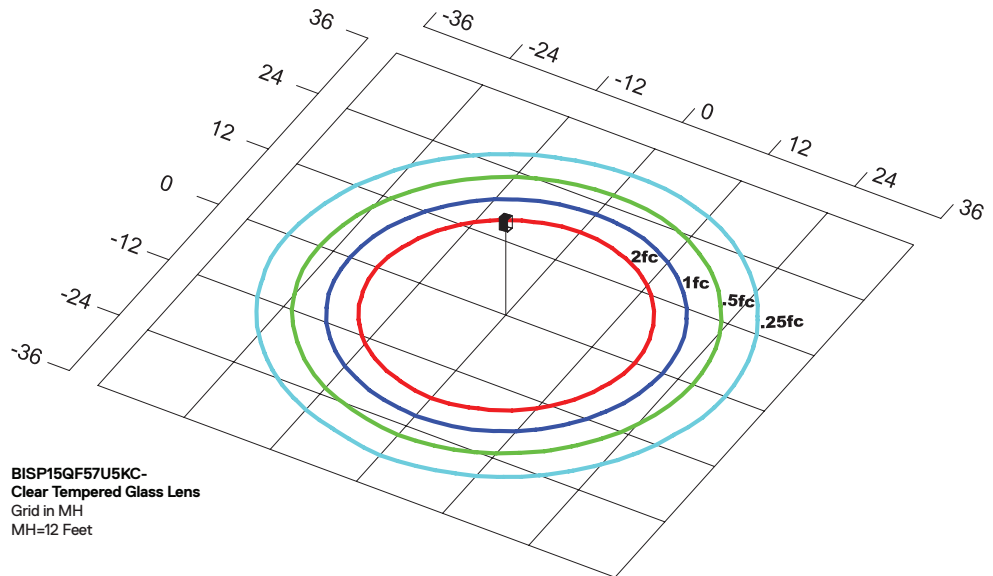
BISP15QF57U5KCGYSP

BISP15Q	F	57	U	5K	C	G	Y	
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	Y=Adjustable Yoke	SP=Surge Protection

PHOTOMETRIC DATA



BISP15QF57U5KC-
Clear Tempered Glass Lens





BISP15

Bismarck Hazardous Location LED
Explosion Proof Luminaire

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.