



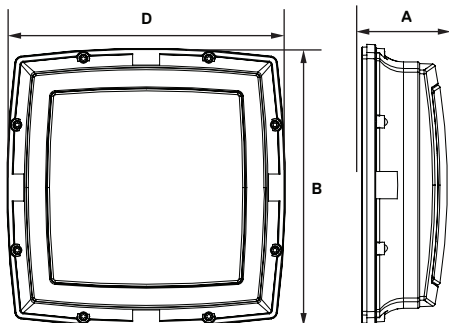
# DETS250FQ

## Detroit LED Square Bulkhead Open Frame



### Dimensions

Width (D)	12½" (318mm)
Length (B)	12½" (318mm)
Height (A)	3⅝" (100mm)



The SaySpec Detroit Square Bulkhead is designed to replace HID lighting systems up to 100w MH or HPS. The open door frame allows for maximum light output. Typical applications include office and public buildings, condominiums, schools, shopping malls, and hospitality. Recommended mounting heights are 8 to 20 feet.

### SPECIFICATIONS AND FEATURES:

#### HOUSING:

Die Cast Gasketed Aluminum Open Front Frame and Housing with Integral Heat Sinking and Driver Compartment. Nickel-Plated Stainless Steel Hardware. Photocell Adaptable.

#### LISTING & RATINGS:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750; IP66 Sealed LED Compartment.

#### FINISH:

Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

#### LENS:

Opal UV-Stabilized Polycarbonate Array Lens Vandal-Resistant Lens Eliminates LED Hot Spots

#### MOUNTING OPTIONS:

Surface Mount

#### LED:

Aluminum Boards; 187,000 Hours of L70 LED Life (25°C)

#### WATTAGE:

Array: 12w, System: 12.9w; (100w HID Equivalent)

Array: 17w, System: 19.7w; (100w HID Equivalent)

Array: 25w, System: 27.1w; (250w HID Equivalent)

#### DRIVER:

Electronic Driver, 120-277V, 50/60Hz or 347V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

#### CONTROLS:

Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with SaySpec Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

#### WARRANTY:

5-Year Warranty for -40°C to +50°C Environment.

See Page 2 for Projected Lumen Maintenance Table.

### Order Information Example:

DETS250FGF1X17U5KLZSF

DETS250FQ

F

1X17

L

Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
DETS250FQ=Detroit LED Square Bulkhead Open Frame	F=Type IV	1X12=12w 1X17=17w 1X25=25w	U=120-277V C=347V* H=347-480V**  *12w & 17w only **25w only	3K=3000K 4K=4000K 5K=5000K	L=Opal UV-Stabilized Polycarbonate Array Lens	Z=Bronze W=White C=Custom (Consult Factory)	SF=Single Fuse (120-277V Only) DF=Double Fuse (120-277V Only) SP=Surge Protector PC3=Photocell, 120-277VAC P10=Pencil Photocell, 120VAC P12=Pencil Photocell, 277VAC P14=Pencil Photocell, 120-277VAC S2=Microwave Sensor with Dimming for Mounting Heights of 8 to 40'. (120-277V Only) S4=Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19'. (120-277V Only) BU=Battery Backup, 90 Mins (120-277V Only) BUC=Cold Start Battery Backup, -20°C, 90 Mins (120-277V Only)

### Project Information:

PROJECT NAME: \_\_\_\_\_ FIXTURE TYPE: \_\_\_\_\_

COMPLETE CATALOG#: \_\_\_\_\_ DATE: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

### Certification & Listings:

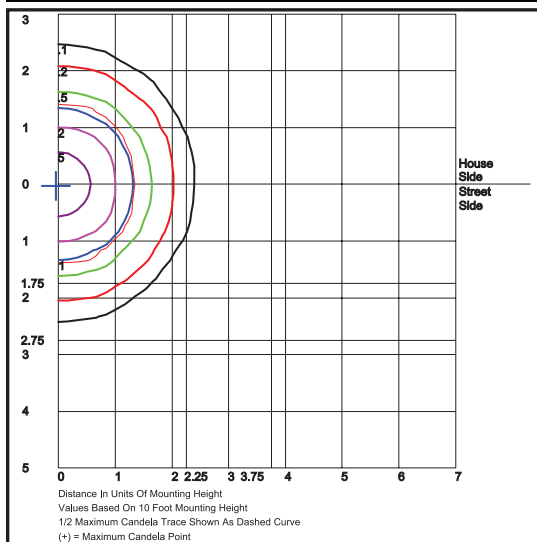


### ACCESSORIES & REPLACEMENT PARTS:

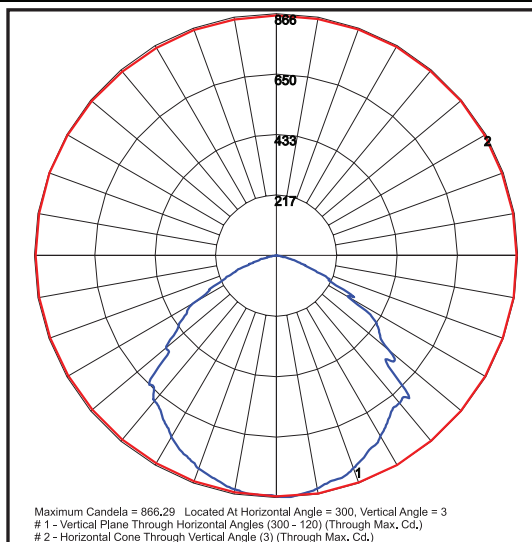


Replacement Parts (Order Separately, Field Installed)	
P18103	120-277VAC Photocell
P18110	110-130V 120VAC Pencil Photocell
P18112	208-277V 240VAC Pencil Photocell
P18114	120-277V, 50/60Hz Pencil Photocell
P17117	Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 40'. 120-277VAC, 50/60Hz.
P17123	Internally Mounted Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19'. 120-277VAC, 50/60Hz

### PHOTOMETRIC DATA



DETS250FQF1X17U5K  
Type IV  
Grid in MH  
MH=10 Feet



DETS250FQF1X17U5K  
Type IV

### PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI					4000 CCT 80 CRI				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
LED 17w	525	20	Type IV	2,263	113	0	4	2	2,173	109	0	4	2

### 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	20	1.00	0.96	0.92	0.84	187,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C	
L70 Lumen Maintenance @ 50°C / 122°F	20	1.00	0.96	0.91	0.82	113,000	
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	20	1.00	0.94	0.89	0.77	88,000	

NOTES:  
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA 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.