



IA16 SERIES

Aisle area light distribution induction High-Bay

A high efficiency, 16" wide induction high-bay that provides ideal light distribution for aisles and narrow spaces. Applications include warehouses, manufacturing facilities, open construction retail and gymnasiums with the wire guard safety option. Unlike conventional fluorescent or high intensity discharge lighting there are no failures due to filament erosion or vibration.

Heat Dissipation

This fixture includes all appropriate venting to allow for excellent heat dissipation. Removing heat build-up allows lamps to perform at their maximal lumen output temperature rating. This fixture also includes a heavy aluminum heat sink plate to transfer heat away from the external induction coil and lamp.

Light Distribution

Light is controlled in a narrow distribution, maximizing downlight and light levels directly below the fixture. This fixture is ideal for narrow aisles and those with tall racking. When used in aisles with racking or shelving, turning this fixture parallel to the racking maximizes the light hitting the floor, while minimizing light loss to the racking.

Mounting Methods

The IA16 offers flexible mounting methods that most commonly include standard chain hangers and surface mounting. There are several other mounting options for this fixture series and they are listed as "hanging options" below.

Hanging Options

- Surface Mount [Mounting holes provided in the housing] (Standard)
- Chain Mount [Chain hangers are supplied with the fixture] (Standard)
- Quick Cable [QC – Quick hang cable system] (Optional)
- Junction Box [JB – Slide-on splice box for 3/4" stem] (Optional)

- Pendant Stabilizer [PS – Bracket for stabilizing fixture when single point hanging with a 3/4" stem] (Optional)
- Quick Bracket System [QB – Innovative hanging system for easy installation. Available with various connection points] (Optional)
- Hook [SPSH – 12" Stem, pendant stabilizer & hook for hanging in loop or eye-bolt] (Optional)
- Quick Toggle [SPST – 12" Stem, pendant stabilizer & quick toggle hanger for hanging in an eye-bolt] (Optional)

Product Construction

The IA16 fixture housing is brake formed from heavy gauge cold rolled steel. Ends and socket plates are permanently riveted together for strength and rigidity. The housing is post painted with a durable, highly reflective powder-coat finish. A pre-finished housing is available as an option.

Optical Reflector

The system is precision brake formed of the selected aluminum material, enhanced aluminum or highly reflective white. The one piece reflector is removable without the use of tools, using 1/4 turn fasteners to secure it in place.

Induction System

This system is composed of a combination of an induction lamp and high frequency generator (120-277V).

Please specify when ordering

Fixture Series	Lens	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Hanging	Options	Lamp Color	Lamp Options
IA16											

Fixture ordering guide

Fixture Series	Lens	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Hanging	Options	Lamp Color	Lamp Options
IA16	—	1	150	12	—	—	E	BLANK	C ()	850	—
IA16P*1			200	27				JB	6T1		
			250	UV				PS	6T2		
			300					QB ()	F		
								QBH ()	OS ()		
								QBT ()	SC		
								QC	WG		
								QC ()	20G		
								SPSH	SDT		
								SPST	PC		

*1 Standard IA16 is postpainted (scratch resistant, coated edges to prevent rusting). IA16 is an economical prepainted option (small orders of IA16P not available with custom JB hanging option).

Available fixture selections

Lamp Type Selections	Reflector Selections	Hanging Selections	Options Selections	Lamp Color Selections
150 150w Induction System 200 200w Induction System 250 250w Induction System 300 300w Induction System	E Enhanced Aluminum	Blank V-Chain Hangers JB Slide-On Junction Box PS Pendant Stabilizer QB Q Bracket (24", 30" or 36") QBH Quick Bracket with Hook (24", 30" or 36") QBT Quick Bracket for Threaded Rod (24", 30" or 36") QC Quick Hang Cable (10') QC () Quick Hang Cable (Specify Length) SPSH 12" Stem/PS/Hook SPST 12" Stem/PS/Toggle	C () Single Circuit Cord (Specify Length) 6T1 6' Cord with L5-15 Locking End 6T2 6' Cord with L7-15 Locking End F Inline Fuse OS () Occupancy Sensor (Specify Lamps on Low/ Lamps on High) SC Safety Cable WG Wire Guard 20G 20 Gauge SDT Step Down Transformer (480V to 277V) PC Photocell	850 80+ CRI, 5000K
Voltage Selections				
12 120V 27 277V UV 120-277V				

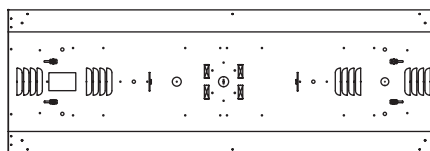
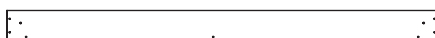
Common fixture selections

Catalog number	System	# of lamps	Wattage (120/277V)*	Initial system lumens*
IA16 1150 12 E 850	IND	1	158	12,000
IA16 1200 27 E 850	IND	1	210	17,000
IA16 1250 27 E 850	IND	1	263	21,250
IA16 1300 12 E 850	IND	1	315	27,000

*Wattages may vary depending on the ballast manufacturer and lamp type used.

Initial and mean system lumens are the initial/mean lumen output of the lamp/ballast system as rated by lamp and ballast manufacturer and may vary from manufacturer to manufacturer. Specifications and dimensions subject to change without notice. Contact Philips Optimum for current availability and ordering information

Dimensional drawing



Fixture Type: _____

Catalog #: _____ Quantity: _____

Project: _____

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