



Photometric Data

LTL#: 9709

CAT#: A16 554 UV 3PS E 84 I

Zonal Lumen Summary

ZONE	LUMENS	%LAMP	%FIXT
0-30	6990	31.8	34.6
0-40	10911	49.6	54.0
0-60	17163	78.0	85.0
0-90	20193	91.8	100.0
90-180	0	0.0	0.0
0-180	20193	91.8	100.0

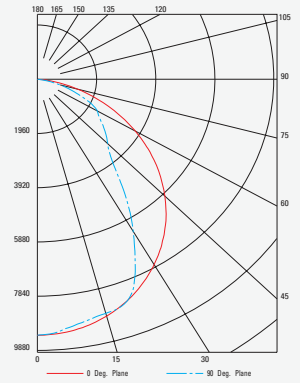
Total Luminaire Efficiency: 91.8%

CIE Type: Direct

Plane: 0-Deg 90-Deg

Spacing Criteria: 1.2 1.1

Luminous length: 48,000 15,875



A16 SERIES

Aisle area light distribution fluorescent High-Bay

A high efficiency, 16" wide fluorescent high-bay that provides ideal light distribution for aisles and narrow spaces. Applications include warehouses, manufacturing facilities, distribution centers and storage facilities.

Heat Dissipation

In order to achieve optimal heat dissipation, the housing has louvers and the reflector is slotted for appropriate air flow.

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 aisle maximizes the light hitting the floor, while minimizing light loss to the racking.

Mounting Methods

A16 fixtures offer 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 A16 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.

Lampholders

Made of a Polycarbonate material; these locking-style lampholders are utilized to ensure positive lamp retention. Additionally, the material contributes to a longer life product in high temperature applications.

Ballasts

All ballasts are electronic programmed-start (T5HO) or instant-start (T8) as a standard. Optional ballasts are available, consult factory for available systems and system specifications. Available voltages: 120v, 277v, 347v, voltage sensing 120-277v and 347-480v.

Listings

All fixtures are UL and CUL listed.

Please specify when ordering

[illegible]

Fixture ordering guide

[illegible]

*I Standard A16 is postpainted (Scratch resistant, coated edges to prevent rusting). A16 is an economical Prepainted option (Small orders of A16 not available with Custom JB Hanging Option)

*2 A16T & A16PT are 8ft tandem fixtures, # lamps are for the profile of the fixture.

*3 Consult factory for manufacturing specific ordering codes/availability.

Available fixture selections

Lamp Type Selections	Ballast Selections	Reflector Selections	Options Selections	Lamp Color Selections
32 F32T8 System 54 F54T5HO System	HI High Ballast Factor (HBF) Electronic* LI Low Ballast Factor (LBF) Electronic* SI Standard Ballast Factor (NBF) Electronic* SI+ I.OBF Electronic* PS Programmed Start (NBF) PSL Programmed Start LBF* PSH Programmed Start HBF* PD Programmed Start Dimming SDH Step Dimming HBF (100% to 60% Dimming)* AX Daylight Harvesting Ballast with remote mount photosensor*	E Enhanced Aluminum W Highly Reflective White Aluminum B 95% Reflective Extreme White Aluminum	C() Single Circuit Cord (Specify Length) 6T1 6' Cord with L5-15 Locking End 6T2 6' Cord with L7-15 Locking End E() Emergency Pack (# Lumens) 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	BLANK Lamps Not Included 830 80+ CRI, 3000K 835 80+ CRI, 3500K 841 80+ CRI, 4100K 850 80+ CRI, 5000K
Voltage Selections		Hanging Selections		Lamp Options Selections
12 120V 27 277V 34 347V UV 120-277V HV 347-480V	* T8 Only	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		HP High Performance, Long Life Lamps* A Amalgam Tip Lamps** TG Tubeguarded Lamps SS Shattershielded Lamps ES() Energy Saver (Specify Wattage) XL Long Life* * T8 Only ** T5HO Only

Common fixture selections

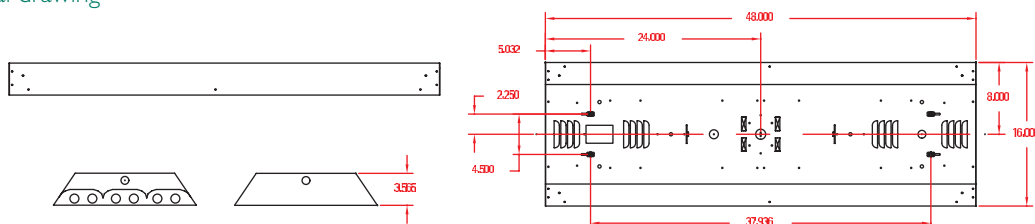
Catalog number	System	# of lamps	Wattage (120/277V)*	Initial system lumens*	Mean system lumens*
A16P 532 UV 2HI E	T8	5	185w / 182w	18,104	17,520
A16 554 UV 2PS E	T5HO	5	304w / 300w	25,150	23,893
A16 632 UV 2HI E	T8	6	222w / 218w	21,948	21,240
A16 654 UV 2PS E	T5HO	6	348w / 341w	30,000	28,500

*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: _____