



Photometric Data

LTL#: 9632

CAT#: U18 832 27 2SI E 841

Zonal Lumen Summary

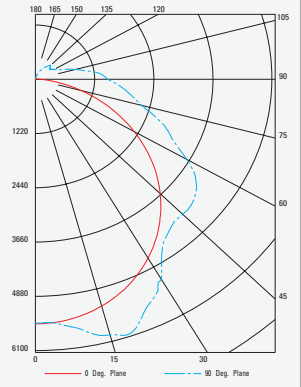
ZONE	LUMENS	%LAMP	%FIXT
0-30	4617	20.3	21.6
0-40	7581	33.2	35.5
0-60	13749	60.3	64.3
0-90	19341	84.8	90.5
90-120	1489	6.5	7.0
90-130	1710	7.5	8.0
90-150	1987	8.7	9.3
90-180	2028	8.9	9.5
0-180	21369	93.7	100.0

Total Luminaire Efficiency: 93.7%

CIE Type: Direct

Plane: 0-Deg 90-Deg

Spacing Criteria: 1.3 1.3



U18 SERIES

General area light distribution fluorescent High-Bay with up-light

A high efficiency, 18" wide fluorescent high-bay that provides exceptional light distribution for general areas with a design that allows for a controlled, energy saving up-light component. Applications include warehouses, manufacturing facilities, open construction retail and gymnasiums with the wireguard safety option.

Heat Dissipation

The arc bottom to the fixtures in this series creates a means for exceptional heat dissipation. Removing heat build-up allows lamps to perform at their maximal lumen output temperature rating. Additionally, as heat rolls off the sides of this fixture, this reduces the possibility of dirt build up on the reflectors and at the vent holes.

Light Distribution

The bottom arc angle of this fixture series provides a wide distribution pattern excellent for use in general or open areas. When used in aisles with racking or shelving, turning this fixture perpendicular to the aisle allows the bottom arc to throw light evenly along the floor, lighting between the fixtures. The arced bottom also enhances the vertical footcandles, providing more even illumination down the product walls.

Mounting Methods

U18 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 U18 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.

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 Consult factory for manufacturing specific ordering codes/availability.

Available fixture selections

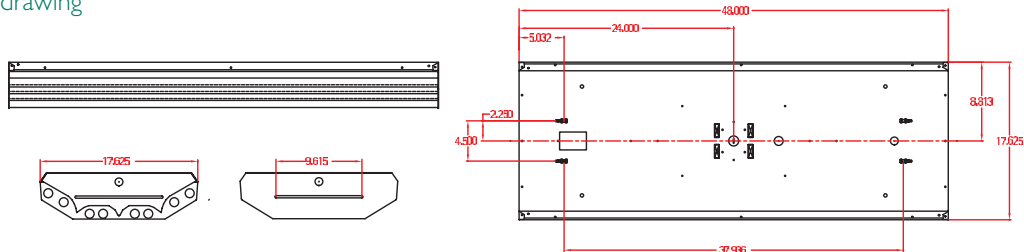
Lamp Type Selections	Ballast Selections	Reflector Selections	Options Selections	Lamp Color Selections
32 F32T8 System	HI High Ballast Factor (HBF) Electronic*	E Enhanced Aluminum	C() Single Circuit Cord (Specify Length)	BLANK Lamps Not Included
54 F54T5HO System	LI Low Ballast Factor (LBF) Electronic*	W Highly Reflective White Aluminum	6T1 6' Cord with L5-I5 Locking End	830 80+ CRI, 3000K
Voltage Selections	SI Standard Ballast Factor (NBF) Electronic*	B 95% Reflective Extreme White Aluminum	6T2 6' Cord with L7-I5 Locking End	835 80+ CRI, 3500K
12 120V	SI+ I.0BF Electronic*	Hanging Selections	E() Emergency Pack (# Lumens)	841 80+ CRI, 4100K
27 277V	PS Programmed Start (NBF)	Blank V-Chain Hangers	F Inline Fuse	850 80+ CRI, 5000K
34 347V	PSL Programmed Start LBF*	JB Slide-On Junction Box	OS() Occupancy Sensor (Specify Lamps on Low/ Lamps on High)	Lamp Options Selections
UV 120-277V	PSH Programmed Start HBF*	PS Pendant Stabilizer	SC Safety Cable	HP High Performance, Long Life Lamps*
HV 347-480V	PD Programmed Start Dimming	QB Q Bracket (24", 30" or 36")	WG Wire Guard	A Amalgam Tip Lamps**
	SDH Step Dimming HBF (100% to 60% Dimming)*	QBH Quick Bracket with Hook (24", 30" or 36")	20G 20 Gauge	TG Tubeguarded Lamps
	AX Daylight Harvesting Ballast with remote mount photosensor*	QBT Quick Bracket for Threaded Rod (24", 30" or 36")	SDT Step Down Transformer (480V to 277V)	SS Shattershielded Lamps
	* T8 Only	QC Quick Hang Cable (10')	PC Photocell	ES() Energy Saver (Specify Wattage)
		QC() Quick Hang Cable (Specify Length)		XL Long Life*
		SPSH 12" Stem/PS/Hook		* T8 Only
		SPST 12" Stem/PS/Toggle		** T5HO Only

Common fixture selections

Catalog number	System	# of lamps	Wattage (120/277V)*	Initial system lumens*	Mean system lumens*
U18 754 UV 2PS E	T5HO	7	420w / 411w	35,150	33,392
U18 832 UV 2PSH E	T8	8	294w / 288w	28,768	27,840
U18 832 UV 2SI W	T8	8	218w / 214w	20,880	20,880
U18 854 UV 2PS F	T5HO	8	464w / 452w	38,800	38,800

*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: _____