



Photometric Data

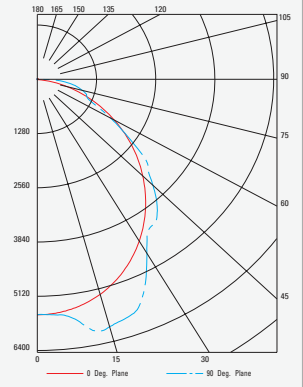
LTL#: 9631

CAT#: G10D 454 UV 2PS E 84I

Zonal Lumen Summary

ZONE	LUMENS	%LAMP	%FIXT
0-30	4770	27.1	28.0
0-40	7795	44.3	45.8
0-60	13568	77.1	79.7
0-90	16996	96.6	99.9
90-120	23	0.1	0.1
90-130	23	0.1	0.1
90-150	23	0.1	0.1
90-180	23	0.0	10.1
0-180	17019	96.7	100.0

Total Luminaire Efficiency: 96.7%
 CIE Type: Direct
 Plane: 0-Deg 90-Deg
 Spacing Criteria: 1.2 1.3



G10D, G16D, G21D SERIES

General area light distribution fluorescent High-Bay with dust cap

A high efficiency, fluorescent high-bay that provides exceptional light distribution for general areas. The G10D, G16D & G21D fixture has been customized to include a dust cap which allows the fixture to resist dust build-up along its top. Applications include warehouses, manufacturing facilities, distribution centers and any location where dust buildup is a concern.

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

G10D, G16D & G21D fixtures offer a Quick Cable (QC) mounting method. This fixture is manufactured with all the knockouts necessary for hanging with a Quick hang cable system.

Hanging Options

- Quick Cable [QC – Quick hang cable system] (Optional)

Product Construction

The G10D, G16D & G21D 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. The fixture is constructed with a custom steel dust cap.

Optical Reflector

The system is precision brake formed of the selected aluminum material, enhanced aluminum or highly reflective white. The reflector system 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

Fixture Series	Lens	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Hanging	Options	Lamp Color	Lamp Options
G10D, G16D, G21D	—										

Fixture ordering guide

Fixture Series	Lens	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Hanging	Options	Lamp Color	Lamp Options* 3
G10D*1	—	2	32	12	1	HI	E	QC	C ()*2	BLANK	HP
G16D*1	—	3	54	27	2	LI	W	QC ()	6T1*2	830	A
G21D*1	—	4		34	3	SI	B		6T2*2	835	TG
		5		UV	4	SI+			E ()	841	SS
		6		HV		PS			F	850	ES ()
		7				PSL			OS ()		XL
		8				PSH			SC		
						PD			WG		
						SDH			20G		
						AX			SDT		
									PC		

*1 G10D housing can accommodate up to 4 lamps; G16D housing can accommodate up to 6 lamps and G21D housing can accommodate up to 8 lamps.

*2 Cord exits from end of 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.0BF 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* * T8 Only	E Enhanced Aluminum W Highly Reflective White Aluminum B 95% Reflective Extreme White Aluminum Hanging Selections QC Quick Hang Cable (10') QC () Quick Hang Cable (Specify Length)	C () Single Circuit Cord (Specify Length) 6T1 6' Cord with L5-I5 Locking End 6T2 6' Cord with L7-I5 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 Lamp Options Selections 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

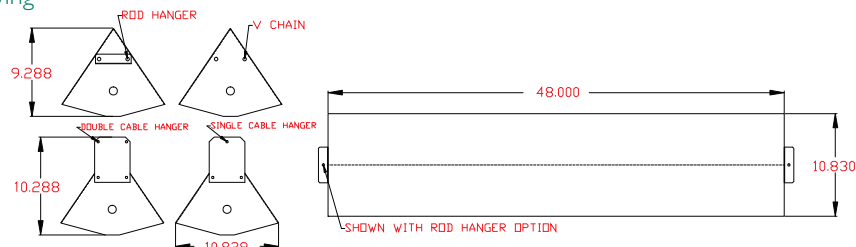
Catalog number	System	# of lamps	Wattage (120/277V)*	Initial system lumens*	Mean system lumens*
G10D 454 UV IPS E	T5HO	4	232w / 226w	20,000	19,000
G16D 632 UV 2HI E	T8	6	222w / 218w	21,948	21,240
G16D 654 UV 2PS E	T5HO	6	348w / 341w	30,000	28,500
G21D 854 UV 2PS E	T5HO	8	464w / 452w	40,000	38,000

*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: _____

High Bay | www.philips.com/optimum | Phone (800) 541-9082 | Fax (855) 231-0414

