



## Photometric Data

LTL#: 14805

CAT#: OVW DPC 232 UV 2HI E 841ADV

### Zonal Lumen Summary

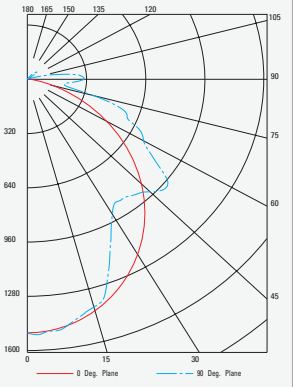
ZONE	LUMENS	%LAMP	%FIXT
0-30	1133	18.3	28.4
0-40	1779	28.7	45.8
0-60	3173	51.2	79.5
0-90	4284	69.1	99.9
90-120	215	3.5	0.1
90-130	245	4	0.1
90-150	261	4.2	0.1
90-180	15	0.2	0.1
0-180	4546	73.3	100.0

Total Luminaire Efficiency: 73.3%

CIE Type: Direct

Plane: 0-Deg 90-Deg

Spacing Criteria: 1.2 1.0



# OVW/OVW(i) SERIES

## General area lighting distribution High-Bay Vaportight

This highly durable, weatherproof high bay fixture is designed to withstand harsh conditions. The Wide Vaportight design allows the OVW/OVW(i) to be outfitted with up to 6 – T8 or T5HO lamps making it an ideal HID replacement in cold, harsh and wet conditions. The custom interior reflector design allows for the widest light distribution pattern. This fixture was engineered for optimal light output and directional throw using higher quantities of T8 or T5 lamps. The OVW/OVW(i) is excellent for general areas or aisles when mounted perpendicular to the aisle. Applications include: parking garages, tunnels, car washes, subways, food processing facilities, pools, cold storage and washbays.

### Light Distribution

Linear prisms along each side of the lens allow for even light distribution, while frosting on ends of lens reduces effects of glare.

### Heat Retention

The fixture housing and reflector are customized to manipulate heat retention within the fixture, and provide interior fixture conditions conducive to maximum lumen output for each given application temperature. The wider body of the OVW(i), as well as its integrated heat management system, is ideal for 5/6 lamp T5HO applications or anywhere heat build-up within the fixture body would be a concern.

### Mounting Methods

OVW/OVW(i) fixtures come standard with two mounting brackets, meant to be used in conjunction with chain or optional gripple hangars. This mounting option allows the fixture to be hung without holes being drilled through the housing, thus maintaining the fixture's IP ratings and integrity.

An optional surface mounting bracket (SMB) is also available.

### Product Construction

The OVW's housing is constructed of highly durable fiberglass, while the standard diffuser is Impact Resistant DR Acrylic. The diffuser and upper components are locked into place by retaining latches, assuring a secure, tight seal.

### Optical Reflector

The system is precision brake formed of the selected aluminum material. Both the interior gear tray and reflector are designed for easy installation and removal.

### 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.

### Lens

The standard lens is Impact Resistant DR Acrylic. Optional lenses are available, see ordering information.

### Lamps

Philips Optimum recommends the use of Amalgam Tip or arctic lamps, which tolerate a much broader range of ambient temperature extremes with minimal impact on lumen output, in reduced temperature environments. In high temperatures, Philips Optimum recommends the use of Amalgam Tip lamps.

### 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, IP67.5VA flammability rating in accordance with UL94 and (f1) in accordance with UL746.

Please specify when ordering

[illegible]

## Fixture ordering guide

Fixture Series	Temperature*1	Lens	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Hanging	Options	Lamp Color	Lamp Options*3
OVW	SPECIFY	DPC	3	32	12	1	HI	E	BLANK	C ( )	BLANK	HP
OVW(i)		DRI	4	54	27	2	LI	W	V	6T1	830	A*4
			5		34	3	SI	B	QC	6T2	835	TG*5
			6*2		UV		SI+		QC ( )	E ( )	841	SS*5
					HV		PS		SMB	F	850	ES ( )
							PSL			OS ( )		
							PSH			SDT		
							PD			PC		
							SDH					

\*I Advise Philips Optimum of temperature of application where OVW will be installed, so Philips Optimum can make recommendations to protect fixture against overheating and/or associated light loss & lamp/ballast failure and advise if OVW or OVW(i) would be better suited for application.

\*2 The OVW can be outfitted with up to 6 - T8 lamps and 5 - T5HO lamps. The OVW(i) can be outfitted with up to 6 - T8 or T5HO lamps. See Philips Optimum for restrictions.

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

\*4 Philips Optimum recommends the use of amalgam tip lamps in extreme temperature & for 5 lamp TSHO applications.

\*5 Use in lensed fixtures is limited. Contact factory for specific application details.

### Available fixture selections

<b>Lens Selections</b> DPC Polycarbonate DRI DR Acrylic Impact Resistant	<b>Ballast Selections</b> 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)*	<b>Reflector Selections</b> E Enhanced Aluminum W Highly Reflective White Aluminum B 95% Reflective Extreme White Aluminum  <b>Hanging Selections</b> BLANK Standard Mounting Brackets for Chain Mount V V-Chain Hangers QC Quick Hang Cable (10') QC ( ) Quick Hang Cable (Specify Length) SMB Surface Mount Bracket  * T8 Only	<b>Options Selections</b> 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) SDT Step Down Transformer (480V to 277V) PC Photocell	<b>Lamp Color Selections</b> BLANK Lamps Not Included 830 80+ CRI, 3000K 835 80+ CRI, 3500K 841 80+ CRI, 4100K 850 80+ CRI, 5000K  <b>Lamp Options Selections</b> HP High Performance, Long Life Lamps* A Amalgam Tip Lamps** TG Tubeguarded Lamps SS Shattershielded Lamps ES ( ) Energy Saver (Specify Wattage)  * T8 Only ** T5HO Only
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## Common fixture selections

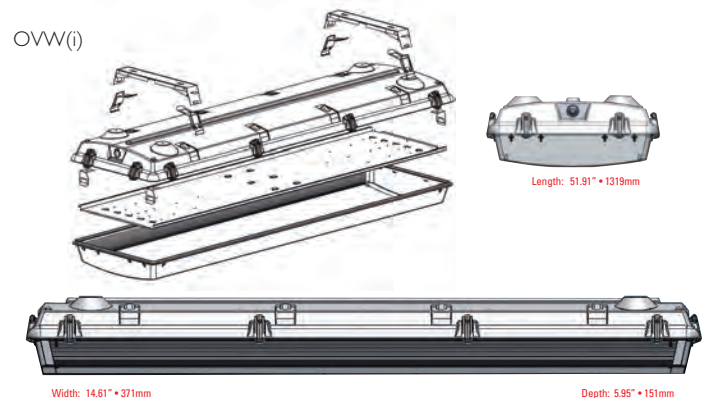
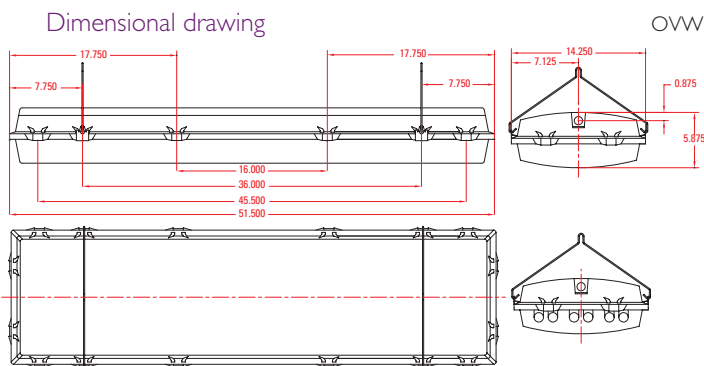
Catalog number	System	# of lamps	Wattage (120/277V)*	Initial system lumens*	Mean system lumens*
OVW (50F) DRI 354 UV 1PS W	T5HO(Amalgam)	3	188w / 185w	14,847	14,105
OVW (35F) DRI 454 UV 1PS E	T5HO(Amalgam)	4	232w / 226w	19,600	18,620
OVW (-10F) DPC 454 UV 1PS E	T5HO(Amalgam)	4	232w / 226w	19,600	18,620
OVW(i) (60F) DRI 554 UV 2PS F	T5HO(Amalgam)	5	304w / 300w	24,647	23,415

\*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: