



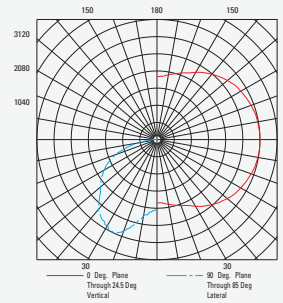
Photometric Data

LTL#: 23047

CAT#: ECH 354 UV IPS E 850A

Zonal Lumen Summary

ZONE	LUMENS	%LAMP
Fwd light	4711	35.7
FL 0-30	1039	7.9
FM 30-60	2445	18.5
FH 60-80	1083	8.2
FVH 80-90	143	1.1
Back Light	4691	35.5
BL 0-30	1042	7.9
BM 30-60	2438	18.5
BH 60-80	1071	8.1
BVH 80-90	140	1.1
Uplight	84	0.6
UL 90-100	60	0.5
UH 100-180	25	0.2



ECH/ECHW SERIES

Exterior pole fixture

A highly durable and efficient exterior pole mounted fixture designed to maximize light distribution and withstand the harshest of conditions. Applications include roadways, parking lots, retail exteriors, perimeter lighting, loading areas, tunnels and other wet and/or dusty locations.

The ECH's radius drop lens allows for optimal light output and superior distribution.

Mounting Methods

The ECH/ECHW fixture is typically supplied with an adjustable mounting knuckle / slip fitter. This knuckle connects to an optional pole mount arm and allows for straight down positioning or angled.

Product Construction

The ECH/ECHW's housing is brake formed from heavy gauge aluminum. The ends are permanently welded in place to form a rigid finished product. The housing is bronze with a durable, weather resistant finish.

Optical Reflector

The system is precision brake formed of the selected aluminum material. The one piece reflector is removable without the use of tools.

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 ECH lens is an impact resistant, lineally ribbed DR Acrylic. The standard ECHW lens is a 0.118" Clear Lexan.

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.

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Fixture Series	Lens	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Hanging	Options	Lamp Color	Lamp Options*4
ECH*1	DR1*2	1	17	12	1	HI	E	SFB	PC	BLANK	HP
ECHW*1	DL1*2	2	24	27	2	LI	W	PMA()*3		830	A
		3	32	34		SI	B			835	ES ()
		4*1	54	UV		SI+				841	XL
				HV		PS				850	
						PSL					
						PSH					
						PD					
						SDH					

*4 Consult factory for manufacturing specific ordering codes/availability

Lens Selections	Reflector Selections	Ballast Selections	Hanging Selections	Lamp Color Selections
DRI DR Acrylic Impact Resistant	E Enhanced Aluminum	HI High Ballast Factor (HBF) Electronic*	SFB Slip Fitter Bracket	BLANK Lamps Not Included
DLI 0.118" Clear Lexan	W Highly Reflective White Aluminum	LI Low Ballast Factor (LBF) Electronic*	PMA() Pole Mount Arm (Part Number)	830 80+ CRI, 3000K
	B 95% Reflective Extreme White Aluminum	SI Standard Ballast Factor (NBF) Electronic*		835 80+ CRI, 3500K
Voltage Selections		SI+ I.OBF Electronic*	Options Selections	841 80+ CRI, 4100K
I2 I20V	Lamp Type Selections	PS Programmed Start (NBF)	PC Photocell	850 80+ CRI, 5000K
27 277V	I7 F17T8 System	PSL Programmed Start LBF*		Lamp Options Selections
34 347V	24 F24T5HO System	PSH Programmed Start HBF*		HP High Performance, Long Life Lamps*
UV I20-277V	32 F32T8 System	PD Programmed Start Dimming		A Amalgam Tip Lamps**
HV 347-480V	54 F54T5HO System	SDH Step Dimming HBF (100% to 60% Dimming)*		ES() Energy Saver (Specify Wattage)
		* T8 Only		XL Long Life*
				* T8 Only ** T5HO Only

Catalog number	System	# of lamps	Wattage (120/277V)*	Initial system lumens*	Mean system lumens*
ECH DRI 254 UV IPS W	T5HO	2	116w / 115w	10,000	9,500
ECH DRI 332 UV IPSH E	T8	3	110w / 108w	10,695	10,350
ECH DRI 354 UV IPS E	T8	3	188w / 185w	14,847	14,105
ECHW DLI 454 UV IPS E	T5HO	4	232w / 226w	20,000	19,000

Specifications and dimensions subject to change without notice. Contact Philips Optimum for current availability and ordering information

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