

Lamp Included!



WACU Series (Wedge Housing)

60° Forward Throw Indirect-Wedge

Housing

The seamless, die-cast aluminum housing is standard with our exclusive Colorfast DeltaGuard™ finish featuring an E-coat epoxy primer and white ultra-durable powder topcoat. Consult factory for availability of other finish colors.

Optics

This compact forward-throw reflector has a main beam of 60°+ from vertical (30° from horizontal), which provides uniform ceiling illumination with little spill light on the wall. An adjustable backlight shield is standard.

Lens

A clear, tempered glass lens is held securely in a die-cast aluminum door frame. The door frame has a white Colorfast DeltaGuard ultra-durable powder finish.

Ballast

All fixtures are standard with a high-power-factor ballast. A noise suppressor is standard with the ballast. 50–100W MH fixtures are standard with a Dual-volt ballast (120/277V). In the U.S. all other wattages are standard with a Quad-volt ballast (120/208/240/277V). In Canada 150–400W PSMH and 50–400W MH fixtures are supplied with a Tri-volt ballast (120/277/347V). See order information chart for additional ballast options.

Lamps

The 16" Wedge housing accommodates medium base 150W PSMH and 50–175W MH lamps. The 22" Wedge housing accommodates mogul base 320 & 400W PSMH and 175–400W MH lamps. (An ED28 reduced envelope lamp is standard on 320 & 400W PSMH and 400W MH fixtures.)

Mounting

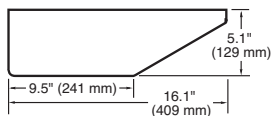
The fixture mounts to the wall with a supplied cast aluminum box. Two 5/16" diameter threaded mounting studs with nuts to attach the fixture to the box are supplied. 150°C minimum supply wire is required. If surface wiring is required, consult factory.

Labels

UL and cUL Listed for damp locations.



Supplied Wall Mount Box—6" x 4" x 1.2" (152 x 102 x 30 mm) (not for use in wet locations)



Order Information

Housing Size (sq.)	Wattage Lamp	Catalog Number
16"	150W PSMH	WACU615-M
22"	320W PSMH	WACU6932-M
22"	400W PSMH	WACU6940-M
16"	50W MH	WACU405-D
16"	70W MH	WACU407-D
16"	100W MH	WACU410-D
16"	175W MH	WACU417-M
22"	175W MH	WACU491-M
22"	250W MH	WACU492-M
22"	400W MH	WACU494-M

Other lamp wattages available—consult factory.

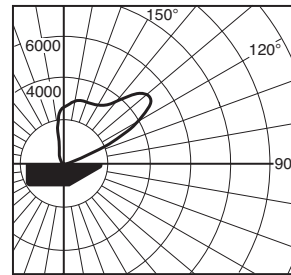
⚡ Reduced envelope lamp. ED28 for 320 & 400W PSMH and 400W MH.

Options: (Factory-installed)	Change Suffix To	Add After Suffix
277V Reactor Ballast (PSMH only)	27	
480V ballast (320 & 400W PSMH, 175–400W MH only)	5	
480V ballast (100W MH only)	5	
Tri-volt ballast (PSMH, 175–400W MH only)	T	
Tri-volt ballast (50–100W MH only)	T	
Single Fuse (277V Reactor, 120V, 277V or 347V)	27, 1, 2 or 6	F
Dual Fuse (208V, 240V or 480V) (n/a Canada)	3, 4 or 5	F
Accent Stripe—note at end of catalog number prefix: G=Grey, R=Red (WACU594R-M)		
Quartz Standby (delay-relay type) (includes 100W Q lamp) (n/a 277V Reactor)		Q

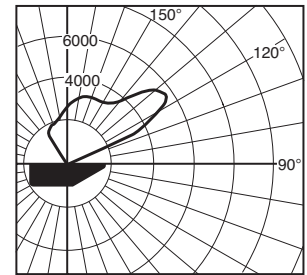
WACU Series Coefficients of Utilization

Effective Floor Cavity Reflectance = .20
400 Watt Clear MH lamp (32,000) lumens

CC	80				70				50			30			10			
	WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR	0	0.60	0.60	0.60	0.60	0.51	0.51	0.51	0.51	0.35	0.35	0.35	0.20	0.20	0.20	0.06	0.06	0.06
	1	0.55	0.52	0.50	0.48	0.47	0.45	0.43	0.41	0.30	0.29	0.28	0.17	0.17	0.16	0.05	0.05	0.05
	2	0.50	0.45	0.42	0.39	0.42	0.39	0.36	0.34	0.26	0.25	0.23	0.15	0.14	0.13	0.04	0.04	0.04
	3	0.45	0.40	0.36	0.32	0.38	0.34	0.31	0.28	0.23	0.21	0.19	0.13	0.12	0.11	0.04	0.04	0.03
	4	0.41	0.35	0.30	0.27	0.35	0.30	0.26	0.23	0.20	0.18	0.16	0.12	0.10	0.09	0.03	0.03	0.03
	5	0.38	0.31	0.26	0.23	0.32	0.26	0.23	0.20	0.18	0.16	0.14	0.10	0.09	0.08	0.03	0.03	0.02
	6	0.34	0.27	0.23	0.19	0.29	0.23	0.20	0.17	0.16	0.14	0.12	0.09	0.08	0.07	0.03	0.02	0.02
	7	0.32	0.24	0.20	0.17	0.27	0.21	0.17	0.14	0.14	0.12	0.10	0.08	0.07	0.06	0.02	0.02	0.02
	8	0.29	0.22	0.17	0.14	0.25	0.19	0.15	0.12	0.13	0.10	0.09	0.07	0.06	0.05	0.02	0.02	0.01
	9	0.27	0.20	0.15	0.13	0.23	0.17	0.13	0.11	0.12	0.09	0.08	0.07	0.05	0.04	0.02	0.01	0.01
	10	0.25	0.18	0.14	0.11	0.21	0.15	0.12	0.09	0.11	0.08	0.07	0.06	0.05	0.04	0.02	0.01	0.01



Candlepower distribution curve of 16" Wedge 150W PSMH 60° Forward Throw Indirect Light, with backlight shield positioned for backlight cutoff.



Candlepower distribution curve of 16" Wedge 150W PSMH 60° Forward Throw Indirect Light with backlight shield removed.

Lamp Included!

ACU Series (Square Housing)



LACU Series (Rectangular Housing)

60° Forward Throw (Indirect Light)

Housing

The seamless, die-cast aluminum housing is standard with our exclusive DeltaGuard® finish featuring an E-coat epoxy primer and white ultra-durable powder topcoat. Consult factory for availability of other finish colors.

Optics

This compact forward-throw reflector has a main beam of 60°+ from vertical (30° from horizontal), which provides uniform ceiling illumination with little spill light on the wall. An adjustable backlight shield is standard.

Lens

A clear, tempered glass lens is held securely in a die-cast aluminum door frame. The door frame has a white DeltaGuard ultra-durable powder finish.

Ballast

All fixtures are standard with a high-power-factor ballast. A noise suppressor for the ballast is standard except on 320W PSMH, 400 & 1000W MH and the LACU Series. The 50-100W fixtures are standard with a Dual-volt ballast (120/277V). In the U.S. all other wattages are standard with a Quad-volt ballast (120/208/240/277V). In Canada 50-1000W MH fixtures are supplied with a Tri-volt ballast (120/277/347V), 50W HPS fixtures are supplied with a 347V ballast. See order information chart for additional ballast options.

Lamps

The 12" Square and Rectangular housings accommodate medium base 150W PSMH and 50-175W MH lamps. The 16" Square housing accommodates mogul base 320 & 400W

PSMH and 175-400W MH lamps. The 22" Square housing accommodates mogul base 1000W MH lamps. (An ED28 Ⓢ reduced envelope lamp is standard on 320 & 400W PSMH and 400W MH fixtures; a BT37 Ⓢ reduced envelope lamp is standard in 1000W MH fixtures.)

Mounting

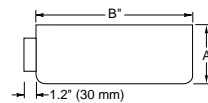
The fixture mounts to the wall with a supplied cast aluminum box. Two 5/16" diameter threaded mounting studs with nuts to attach the fixture to the box are supplied. 150°C minimum supply wire is required. If surface wiring is required, consult factory.

Labels

UL Listed in the U.S. and Canada for damp locations. If wet listing is required, consult factory.

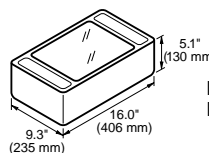


Supplied Wall Mount Box—6" x 4" x 1.2" (152 x 102 x 30 mm) (not for use in wet locations)



3 Housing Sizes:		A	B
5.0" (127 mm)	12" (305 mm)		
6.5" (165 mm)	16" (406 mm)		
9.3" (235 mm)	22" (559 mm)		

Square Housings



Rectangular Housing

ACU & LACU Series Order Information

Wattage/ Lamp Type	Square Housing	Catalog Number	Rectangular Housing	Catalog Number
150W PSMH	12"	MACU615-M	16" x 9.25"	LACU615-M
320W PSMH	16"	Ⓢ ACU632-M		n/a
50W MH	12"	MACU405-D	16" x 9.25"	LACU405-D
70W MH	12"	MACU407-D	16" x 9.25"	LACU407-D
100W MH	12"	MACU410-D	16" x 9.25"	LACU410-D
175W MH	12"	MACU417-M	16" x 9.25"	LACU417-M
175W MH	16"	ACU417-M		n/a
250W MH	16"	ACU425-M		n/a
400W MH	16"	Ⓢ ACU440-M		n/a
1000W MH	22"	Ⓢ ACU499-M		n/a

Other lamp wattages available—consult factory.

Ⓢ Reduced envelope lamp. ED28 for 320W PSMH and 400W MH; BT37 for 1000W MH.

Options: (Factory-installed)

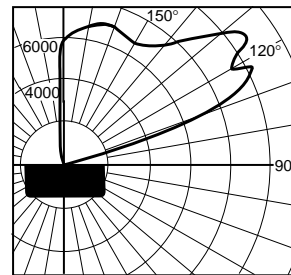
Description	Change Suffix To	Add After Suffix
277V Reactor Ballast (PSMH only)	27	
480V ballast (320W PSMH, 175-1000W MH only)	5	
347V ballast (50W HPS only)(Canada only)	6	
Quad-volt ballast (50-100W MH only)	M	
Tri-volt ballast (320W PSMH, 50-1000W MH only)(Canada only)	T	
Single Fuse (277V Reactor, 120V, 277V or 347V)	27, 1, 2 or 6	F
Dual Fuse (208V, 240V or 480V)	3, 4 or 5	F
Quartz Standby (delay-relay type) (includes 100W Q lamp) (n/a 277V Reactor)	Q	

Catalog Number Logic/Voltage Suffix Key Page 161

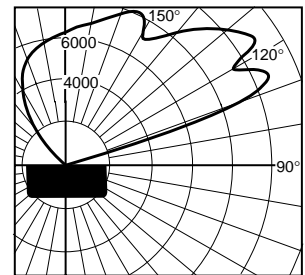
ACU Series Coefficients of Utilization

Effective Floor Cavity Reflectance = .20
400 Watt Clear MH lamp (32,000) lumens

CC	80				70				50			30			10		
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
0	.60	.60	.60	.60	.51	.51	.51	.51	.35	.35	.35	.20	.20	.20	.06	.06	.06
1	.55	.52	.50	.48	.47	.45	.43	.41	.30	.29	.28	.17	.17	.16	.05	.05	.05
2	.50	.45	.42	.39	.42	.39	.36	.34	.26	.25	.23	.15	.14	.13	.04	.04	.04
3	.45	.40	.36	.32	.38	.34	.31	.28	.23	.21	.19	.13	.12	.11	.04	.04	.03
4	.41	.35	.30	.27	.35	.30	.26	.23	.20	.18	.16	.12	.10	.09	.03	.03	.03
5	.38	.31	.26	.23	.32	.26	.23	.20	.18	.16	.14	.10	.09	.08	.03	.03	.02
6	.34	.27	.23	.19	.29	.23	.20	.17	.16	.14	.12	.09	.08	.07	.03	.02	.02
7	.32	.24	.20	.17	.27	.21	.17	.14	.14	.12	.10	.08	.07	.06	.02	.02	.02
8	.29	.22	.17	.14	.25	.19	.15	.12	.13	.10	.09	.07	.06	.05	.02	.02	.01
9	.27	.20	.15	.13	.23	.17	.13	.11	.12	.09	.08	.07	.05	.04	.02	.01	.01
10	.25	.18	.14	.11	.21	.15	.12	.09	.11	.08	.07	.06	.05	.04	.02	.01	.01



Candlepower distribution curve of 16" sq. 400W MH 60° Forward Throw Indirect Light, with backlight shield positioned for backlight cutoff.



Candlepower distribution curve of 16" sq. 400W MH 60° Forward Throw Indirect Light with backlight shield removed.