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 Type _____
 Date _____
 Prepared By _____
 Project _____



Arclume Full Cutoff Architectural LED Wallpack



The Arclume LED wallpacks replace 100W to 250W metal halide wall-mounted fixtures while consuming up to 70% less energy and operating for 50,000 hours. The Arclume is DesignLights™ Consortium listed with an expected service life is more than 13 years of nighttime use.

HOUSING / LENS / OPTICS Die-cast aluminum housing in bronze finish with clear polycarbonate lens. Thermally efficient LED-specific housing with integrated heat sink fins provides for cooler operation and maximum LED operating life. Weatherproof silicone gasketing around lens and between backplate and housing seals out contaminants. Optional diffuser insert (ADI) available for applications requiring greater diffuse light.

1.75" deep back plate **DBS** (standard 85W; optional on 30W and 58W units) provides an additional 1/2" top/bottom NPT as well as back knockout.

Angled LED mounting surface combined with integral 95% reflective MIRO 4™ reflector provides significantly more forward throw illumination than typical full cutoff LED wallpacks. Distribution is NEMA Type IV short.

LED Available in 3 light levels; 1900 lumens (30W), 3900 lumens (58W), and 5800 lumens (85W) at 4000K CCT; >80 CRI. LED operating life 50,000 hours L70. Light engines consist of 1, 2, or 3 chip-on-board arrays mounted direct to thermally efficient aluminum housing.

ELECTRICAL 120-277 VAC power supply with surge protection. Power factor is >0.9. Power supply is mounted in direct contact with aluminum housing for cooler operation and longer life. Drive current is 700 mA. 30W units use one power supply; 58W units use two, and 85W units use three.

ACCESS / WIRING Housing includes 1/2" top/bottom NPT. Specify option **DBS** (standard on 85W units) for a 1.75" deep die cast back plate with 1/2" top/bottom NPT and back center knockout for conduit feed or sensors.

MOUNTING Standard backplate for mounting over a 4" recessed junction box. Backplates and housing utilize installed brackets to hold fixture during wiring. Back plate includes center knockout for conduit access and drill points. The recommended wall mounting height of the of the ARCL LED wallpack is 10 ft. to 24 ft. Fixture is designed to be installed in the downward facing position only.

LISTINGS UL Wet Location. Designlights™ Consortium listed.

WARRANTY 5 years

Arclume LED wallpack Performance

Model	Input Power	Light Output*	Mounting Height	Replaces up to**
ARCL30U1	30W	1900 lumens	Up to 10'	100W MH
ARCL58U1	58W	3900 lumens	Up to 14'	175W MH
ARCL85U1	85W	5800 lumens	Up to 24'	250W MH

* Delivered lumens

**Consult an application engineer for specific light levels

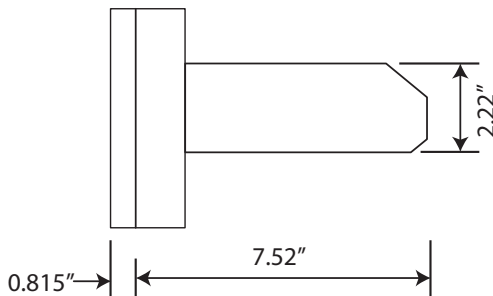
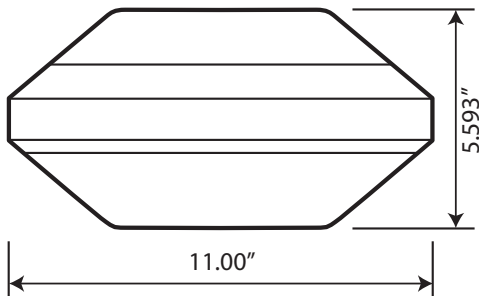
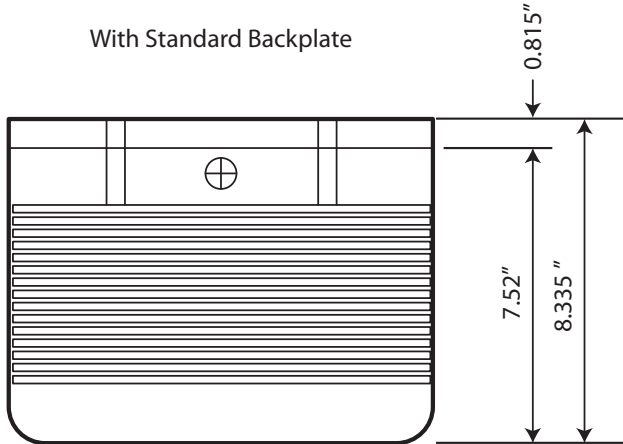
Arclume LED Wallpack Ordering Information

Series	Input Power	Voltage	Options	Accessories
ARCL	30 = 30W 58 = 58W 85 = 85W	U1 = 120-277V	DBS = Deep backplate with top and bottom 1/2" NPT. Standard on 85W units. (x)B = Button Photocell, designate voltage 1=120V; 2=277	ADI = Arclume Diffuser insert

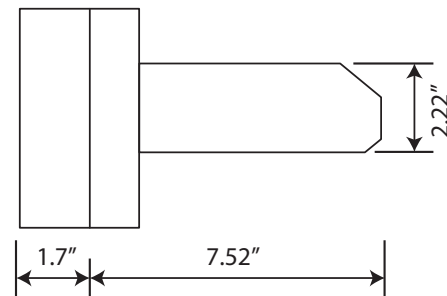
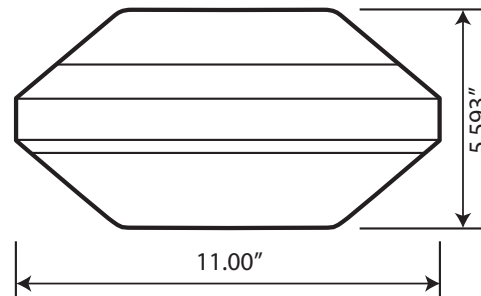
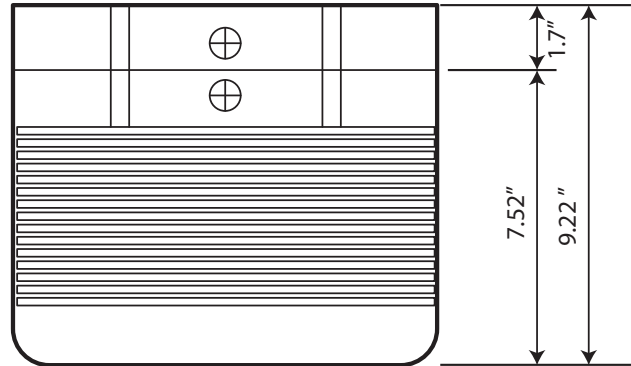
ArLume
Full Cutoff Architectural
LED Wallpack

Dimensions Shown with standard and optional backplate (DBS) option

With Standard Backplate

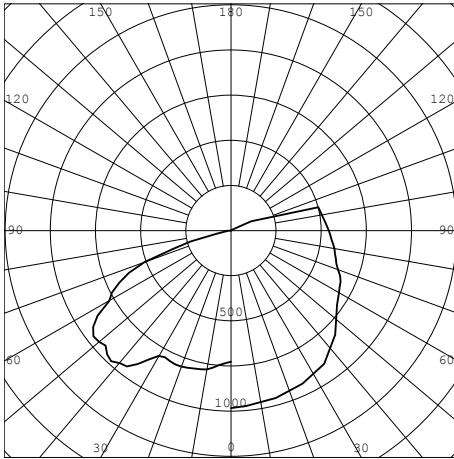


With Optional Backplate **DBS**



ArLume Full Cutoff Architectural LED Wallpack

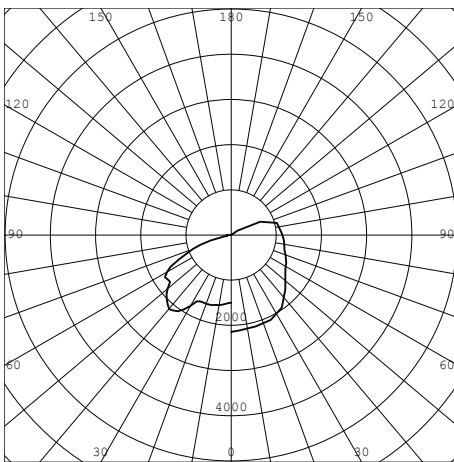
Photometric Data ARCL30U1



ZONAL LUMEN SUMMARY (NOMINAL; TOTAL FIXTURE LUMENS 1925)

Forward Light (1550 lumens)		% total fixture lumens	Lumens
% Total Lumens		80.6	1550
Forward Low Zone (0 To 30 Degrees) %		16.4	316
Forward Mid Zone (30 To 60 Degrees) %		44.8	862
Forward High Zone (60 To 80 Degrees) %		18.9	364
Forward Very High Zone (80 To 90 Degrees) %		0.4	8
Back Light (373 lumens)		% total fixture lumens	Lumens
% Total Lumens		19.4	373
Back Light Low Zone (0 To 30 Degrees) %		10.9	210
Back Light Mid Zone (30 To 60 Degrees) %		7.4	142
Back Light High Zone (60 To 80 Degrees) %		1.1	21
Back Light Very High Zone (80 To 90 Degrees) %		0	0

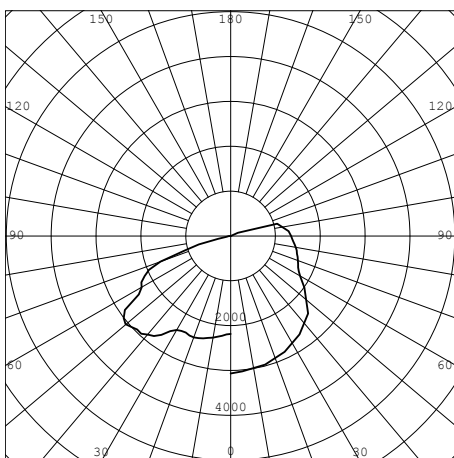
Photometric Data ARCL58U1



ZONAL LUMEN SUMMARY (NOMINAL; TOTAL FIXTURE LUMENS 3900)

Forward Light (3120 lumens)		% total fixture lumens	Lumens
% Total Lumens		80	3120
Forward Low Zone (0 To 30 Degrees) %		16.6	647
Forward Mid Zone (30 To 60 Degrees) %		45.1	1759
Forward High Zone (60 To 80 Degrees) %		17.4	679
Forward Very High Zone (80 To 90 Degrees) %		0.7	27
Back Light (784 lumens)		% total fixture lumens	Lumens
% Lumens		20.1	784
Back Light Low Zone (0 To 30 Degrees) %		11.3	441
Back Light Mid Zone (30 To 60 Degrees) %		7.9	308
Back Light High Zone (60 To 80 Degrees) %		0.1	4
Back Light Very High Zone (80 To 90 Degrees) %		0	0

Photometric Data ARCL85U1



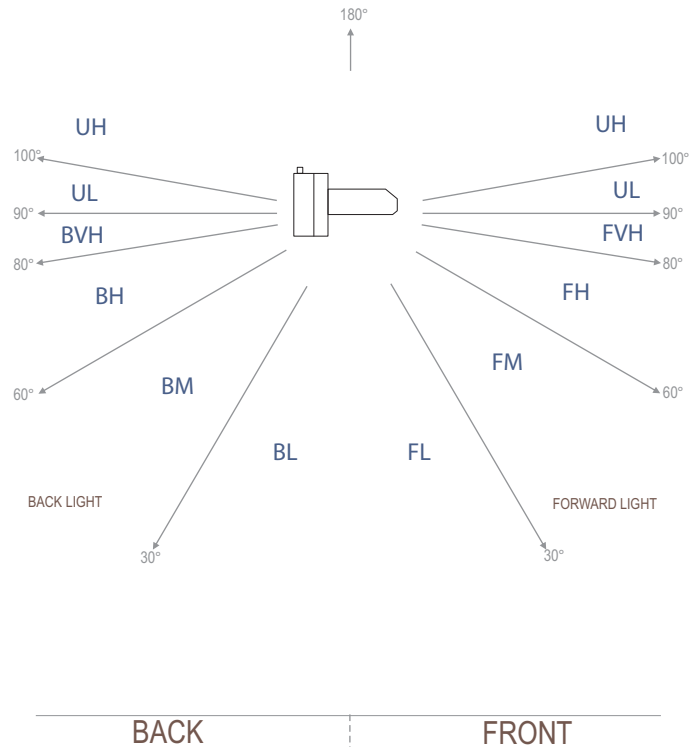
ZONAL LUMEN SUMMARY (NOMINAL; TOTAL FIXTURE LUMENS 5800)

Forward Light (4663 lumens)		% total fixture lumens	Lumens
% Total Lumens		80.4	4663
Forward Low Zone (0 To 30 Degrees) %		16.6	845
Forward Mid Zone (30 To 60 Degrees) %		44.7	2593
Forward High Zone (60 To 80 Degrees) %		18.7	1085
Forward Very High Zone (80 To 90 Degrees) %		0.4	23
Back Light (1137 lumens)		% total fixture lumens	Lumens
% Lumens		19.6	1137
Back Light Low Zone (0 To 30 Degrees) %		11.1	963
Back Light Mid Zone (30 To 60 Degrees) %		7.6	441
Back Light High Zone (60 To 80 Degrees) %		0.9	52
Back Light Very High Zone (80 To 90 Degrees) %		0	0

IES BUG ratings (backlight, uplight, glare) Per IES TM-15-11

Arclume Full Cutoff Architectural LED Wallpack

ARCL30		
	Lumens	Secondary Solid Angle Rating
Back Light		
BH (60-80 DEGREES)	20.4	B 0
BM (30-60 DEGREES)	143.1	B 0
BL (0-30 DEGREES)	210.7	B 1
Up Light		
UH (100-180 DEGREES)	0.0	U 0
UL (90-100 DEGREES)	0.0	U 0
Glare Light		
FVH (80-90 DEGREES)	8.1	G 0
BVH (80-90 DEGREES)	0.2	G 0
FH (60-80 DEGREES)	364.5	G 0
BH (60-80 DEGREES)	20.4.3	G 0
IES BUG Rating: B1 U0 G0		



Flux distribution based on IESNA Luminaire Classification System
Illustration depicts zone classification. See tables for fixture performance.

ARCL58		
	Lumens	Secondary Solid Angle Rating
Back Light		
BH (60-80 DEGREES)	37.0	B 0
BM (30-60 DEGREES)	308.9	B 1
BL (0-30 DEGREES)	440.0	B 1
Up Light		
UH (100-180 DEGREES)	0.5	U 1
UL (90-100 DEGREES)	0.9	U 1
Glare Light		
FVH (80-90 DEGREES)	25.8	G 1
BVH (80-90 DEGREES)	0.3	G 0
FH (60-80 DEGREES)	680.6	G 1
BH (60-80 DEGREES)	37.0	G 0
IES BUG Rating: B1 U1 G1		

ARCL85		
	Lumens	Secondary Solid Angle Rating
Back Light		
BH (60-80 DEGREES)	53.3	B 0
BM (30-60 DEGREES)	433.4	B 1
BL (0-30 DEGREES)	633.9	B 2
Up Light		
UH (100-180 DEGREES)	0.4	U 1
UL (90-100 DEGREES)	0.8	U 1
Glare Light		
FVH (80-90 DEGREES)	22.3	G 1
BVH (80-90 DEGREES)	0.3	G 0
FH (60-80 DEGREES)	1070.7	G 1
BH (60-80 DEGREES)	53.3	G 0
IES BUG Rating: B2 U1 G1		