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3.2" (8W)



4.7" (15W)

**General:** Warp is a family low brightness, high-performance LED downlights suitable to illuminate both commercial and residential applications. Warp's ultra-thin flange makes the trim blend quietly with the surrounding ceiling. A polycarbonate lens combined with optical components that have different levels of opacity guarantees a clean beam and optimal efficiency throughout the entire Warp family.

**Fixture Body:** Powder Coated Die-Cast Aluminum

**Trim:** Bezel, Round or Square.

**Mounting:** Recessed ceiling.

**Dimensions/Weight:** 3.2" (0.71 lbs) – 4.7" (1.06 lbs)

**Driver:** Remote, 120-277V Dimmable 0-10V or Non-Dim.

**Operation:** Constant Current (CC)

**CC features:** Less susceptible to voltage drop (exceeding 32' distance); Allows for dimming down to 0.1%; Fixtures need to be wired in series.

**Wattages:** 8W (3.2") – 15W (4.7")

**Cable:** Fixture comes with 0.56' of power cable (fixtures larger than 3.9" are equipped with a 0.9' power cord).

**IP rating:** IP44 (with an IP65 rating of the optical chamber). Fixture is protected against solid objects greater than 0.04" and against water splashes on the fixture trim or lens. Not suitable for Outdoor applications or direct water jets.

**ETL Certification:** ETL, damp location

**Optics:** Adjustable with a 25° tilt and a 360° rotation (refer to Warp Fixed and Asymmetric spec sheets for additional options). Available in Spot – Flood – Wide Flood.

**Color temperatures:** 2700K – 3000K – 3500K – 4000K.

**CRI:** 92

**Lumen Maintenance:** L70 projections tested at Tj 65° C and Ta 25°.

**Warranty:** 5-year Limited Warranty on fixtures. 1-year Limited Warranty on Remote Drivers.

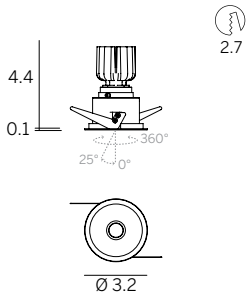
Delivered Lumens	3.2" (8W)	4.7" (15W)
SP	545	–
FL	–	1209
FL	446	1134
WFL	497	1067

\*Values shown for 3000K

Ordering Information							(Required) <sup>2</sup>
WAR		A	32	8 - CC			
Product	Trim/Finish	Type	Diameter	Wattage/Operation	Color Temp	Optic	+ Driver
WAR = Warp	RWH = Round White RBL = Round Black	A = Adjustable	32 = 3.2"	8 CC = 8W / Constant Current (700mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (15°) FL = Flood (31°) WFL = Wide Flood (60°)	ECO30W-XXX SOLO50W-XXX SOLO100W-XXX

Ordering Information							(Required) <sup>2</sup>
WAR		A	47	15 - CC			
Product	Trim/Finish	Type	Diameter	Wattage/Operation	Color Temp	Optic	+ Driver
WAR = Warp	RWH = Round White RBL = Round Black	A = Adjustable	47 = 4.7"	15 CC = 22W / Constant Current (400mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	NFL = Narrow Flood (23°) FL = Flood (36°) WFL = Wide Flood (56°)	ECO30W-XXX SOLO50W-XXX SOLO100W-XXX

## 3.6" 8W 700mA



### DRIVER OPTIONS (pick one)

#### C.C. Power supply options (remote only)

##### ECO30W-700

0-10V EldoLED  
ECOdrive 30W  
for 1-3 fixtures

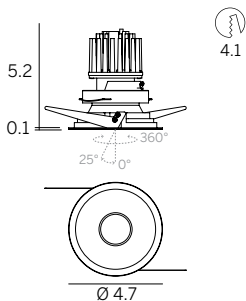
##### SOLO50W-700

0-10V EldoLED  
SOLOdrive 50W  
for 1-4 fixtures

##### SOLO100W-700

0-10V EldoLED  
SOLOdrive 100W  
for 1-8 fixtures

## 4.7" 15W 400mA



### DRIVER OPTIONS (pick one)

#### C.C. Power supply options (remote only)

##### ECO30W-400

0-10V EldoLED  
ECOdrive 30W  
for 1 fixture

##### SOLO50W-400

0-10V EldoLED  
SOLOdrive 50W  
for 1-2 fixtures

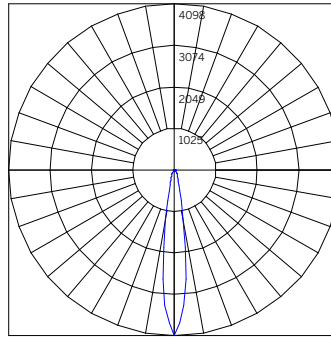
##### SOLO100W-400

0-10V EldoLED  
SOLOdrive 100W  
for 1-4 fixtures

# Warp Adjustable

## ROUND ADJUSTABLE

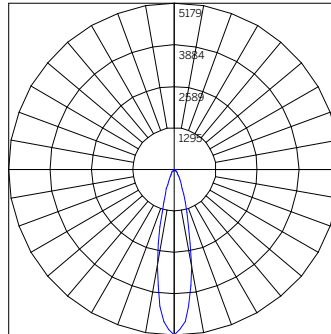
WAR-RWH-A-...-SP... Delivered Lumens - Spot			
		Diameter [Wattage]	
		32 [8 CC]	47 [15 CC]
CCT	92-27-	508	-
	92-30-	545	-
	92-35-	545	-
	92-40-	587	-
Polar Plot / Cone Of Light Multiplier			
		32 [8 CC]	47 [15 CC]
		1.00	-
UGR (3K)			
		32 [8 CC]	47 [15 CC]
		14.6	-



Beam Angle (0-180) = 15.4°  
Beam Angle (90-270) = 15.2°

CONE OF LIGHT - 8W 3000K Spot WAR-RWH-A-32-8-CC-92-30-SP*		
Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1025	0.5
4	256	1.1
6	114	1.6
8	64	2.2
10	41	2.7
12	28	3.2
14	21	3.8
16	16	4.3
18	13	4.9
20	10	5.4

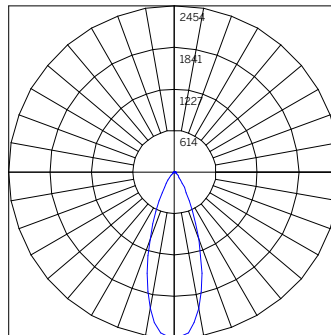
WAR-RWH-A-...-NFL... Delivered Lumens - Narrow Flood			
		Diameter [Wattage]	
		32 [8 CC]	47 [15 CC]
CCT	92-27-	-	1131
	92-30-	-	1209
	92-35-	-	1209
	92-40-	-	1373
Polar Plot / Cone Of Light Multiplier			
		32 [8 CC]	47 [15 CC]
		-	1.00
UGR (3K)			
		32 [8 CC]	47 [15 CC]
		-	12.9



Beam Angle (0-180) = 22.8°  
Beam Angle (90-270) = 22.6°

CONE OF LIGHT - 15W 3000K Narrow Flood WAR-RWH-A-47-15-CC-92-30-NFL*		
Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1295	0.8
4	324	1.6
6	144	2.4
8	81	3.2
10	52	4.0
12	36	4.8
14	26	5.6
16	20	6.5
18	16	7.3
20	13	8.1

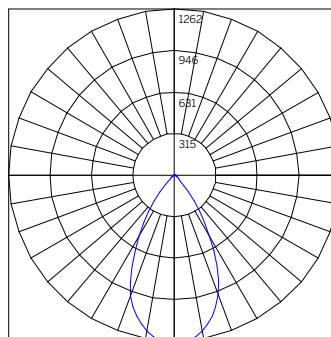
WAR-RWH-AHC-...-FL... Delivered Lumens - Flood			
		Diameter [Wattage]	
		32 [8 CC]	47 [15 CC]
CCT	92-27-	417	1060
	92-30-	446	1134
	92-35-	446	1134
	92-40-	482	1287
Polar Plot / Cone Of Light Multiplier			
		32 [8 CC]	47 [15 CC]
		0.39	1.00
UGR (3K)			
		32 [8 CC]	47 [15 CC]
		17.2	15.2



Beam Angle (0-180) = 36.4°  
Beam Angle (90-270) = 36.2°

CONE OF LIGHT - 15W 3000K Flood WAR-RWH-A-47-15-CC-92-30-FL*		
Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	614	1.3
4	153	2.6
6	68	3.9
8	38	5.3
10	25	6.6
12	17	7.9
14	13	9.2
16	10	10.5
18	8	11.8
20	6	13.2

WAR-RWH-AHC-...-WFL... Delivered Lumens - Wide Flood			
		Diameter [Wattage]	
		32 [8 CC]	47 [15 CC]
CCT	92-27-	463	998
	92-30-	497	1067
	92-35-	497	1067
	92-40-	537	1212
Polar Plot / Cone Of Light Multiplier			
		32 [8 CC]	47 [15 CC]
		0.47	1.00
UGR (3K)			
		32 [8 CC]	47 [15 CC]
		19.3	18.0



Beam Angle (0-180) = 55.6°  
Beam Angle (90-270) = 56.0°

CONE OF LIGHT - 15W 3000K Wide Flood WAR-RWH-A-47-15-CC-92-30-WFL*		
Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	313	2.1
4	78	4.2
6	35	6.3
8	20	8.4
10	13	10.5
12	9	12.7
14	6	14.8
16	5	16.9
18	4	19.0
20	3	21.1

\*Polar Plot and Cone of Light are applicable to part number noted; use Multiplication Factor table to approximate other models or refer to online photometry.

\*\* Beam Diameter indicates on center spacing required to maintain Illuminance at Mounting Height.