



General: Vos is a family of pinhole, low brightness, high-performance LED downlights suitable to illuminate both commercial and retail spaces as well as residential projects. Thanks to its pinhole construction and the recessed optical unit, Vos excels in glare control. These technical features provide a very comfortable light while adding high end style to a downlight designed to meet the toughest lighting design requirements.

Fixture Body: Powder Coated Aluminum 6026 (superior corrosion resistance)

Trim: Bezel Pinhole, Round or Square.

Mounting: Recessed ceiling.

Dimensions/Weight: 1.7" (0.28 lbs) – 2.8" (0.42 lbs) – 4.1" (1.13 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: 2W (1.7") – 6W (1.7") – 8W (2.8") – 15W (4.1")

Cable: Fixture comes with 0.56' of power cable.

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: Fixed (refer to Vos Adjustable spec sheet for Adjustable version).

Available in Ultra Spot – Spot – Narrow Flood – Flood – Medium Wide Flood – Wide Flood. Some variants can also mount Honeycomb louver.

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

CRI: 92, (1.7", 2W 80 CRI)

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.

Contents

- 2 product configurator
- 4 diagrams / drivers
- 6 photometry



1.7" (2W / 6.3W)



1.7" (2W / 6.3W)



2.8" (8W)



4.1" (15W)

Round Delivered Lumens*	1.7" (2W)	1.7" (6.3W)	2.8" (8W)	4.1" (15W)
USP	129	–	–	–
SP	–	356	488	–
NFL	–	263	–	1039
FL	–	–	398	905
MWFL	–	289	–	735
WFL	–	–	438	–

*Values shown for 3000K

Round Honeycomb Delivered Lumens*	1.7" (6.3W)	2.8" (8W)	4.1" (15W)
SP	259	385	–
NFL	187	283	767
FL	171	–	661
MWFL	–	280	523

*Values shown for 3000K

Square Delivered Lumens*	1.7" (2W)	1.7" (6.3W)	2.8" (8W)	4.1" (15W)
USP	104	–	–	–
SP	–	351	491	–
NFL	–	247	–	1128
FL	–	–	396	929
MWFL	–	275	–	768
WFL	–	–	438	–

*Values shown for 3000K

Square Honeycomb Delivered Lumens*	1.7" (6.3W)	2.8" (8W)	4.1" (15W)
SP	287	384	–
NFL	184	283	792
FL	164	–	656
MWFL	–	281	529

*Values shown for 3000K

ROUND

Ordering Information							(Required)
VOS			17				
Product	Trim/Finish	Type	Diameter	Wattage/Operation	Color Temp	Optic	+ Driver
VOS = Vos	RWH = Round White RBL = Round Black	F = Fixed	17 = 1.7"	2 CC = 2W / Constant Current (630mA)	80-27 = 2700K 80-30 = 3000K 80-35 = 3500K 80-40 = 4000K	USP = Ultra Spot (5°)	ECO30W-XXX SOLO50W-XXX SOLO100W-XXX
		F = Fixed	17 = 1.7"	6 CC = 6.3W / Constant Current (700mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (19°) NFL = Narrow Flood (24°) MWFL = Medium Wide Flood (46°)	
		FHC = Fixed HoneyComb	17 = 1.7"	6 CC = 6.3W / Constant Current (700mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (17°) NFL = Narrow Flood (22°) FL = Flood (37°)	

Ordering Information							(Required)
VOS			28	8 - CC			
Product	Trim/Finish	Type	Diameter	Wattage/Operation	Color Temp	Optic	+ Driver
VOS = Vos	RWH = Round White RBL = Round Black	F = Fixed	28 = 2.8"	8 CC = 8W / Constant Current (700mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (15°) FL = Flood (34°) WFL = Wide Flood (56°)	ECO30W-XXX SOLO50W-XXX SOLO100W-XXX
		FHC = Fixed HoneyComb	28 = 2.8"	8 CC = 8W / Constant Current (700mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (14°) NFL = Narrow Flood (28°) MWFL = Medium Wide Flood (42°)	

Ordering Information							(Required)
VOS			41	15 - CC			
Product	Trim/Finish	Type	Diameter	Wattage/Operation	Color Temp	Optic	+ Driver
VOS = Vos	RWH = Round White RBL = Round Black	F = Fixed	41 = 4.1"	15 CC = 15W / Constant Current (400mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	NFL = Narrow Flood (21°) FL = Flood (33°) MWFL = Medium Wide Flood (49°)	ECO30W-XXX SOLO50W-XXX SOLO100W-XXX
		FHC = Fixed HoneyComb	41 = 4.1"	15 CC = 15W / Constant Current (400mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	NFL = Narrow Flood (23°) FL = Flood (30°) MWFL = Medium Wide Flood (43°)	

SQUARE

Ordering Information							(Required)
VOS			17				
Product	Trim/Finish	Type	Diameter	Wattage/Operation	Color Temp	Optic	+ Driver
VOS = Vos	SWH = Square White SBL = Square Black	F = Fixed	17 = 1.7"	2 CC = 2W / Constant Current (630mA)	80-27 = 2700K 80-30 = 3000K 80-35 = 3500K 80-40 = 4000K	USP = Ultra Spot (5°)	ECO30W-XXX SOLO50W-XXX SOLO100W-XXX
		F = Fixed	17 = 1.7"	6 CC = 6.3W / Constant Current (700mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (19°) NFL = Narrow Flood (23°) MWFL = Medium Wide Flood (43°)	
		FHC = Fixed HoneyComb	17 = 1.7"	6 CC = 6.3W / Constant Current (700mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (18°) NFL = Narrow Flood (21°) FL = Flood (34°)	

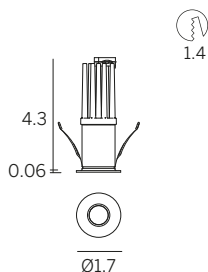
Ordering Information							(Required)
VOS			28	8 - CC			
Product	Trim/Finish	Type	Diameter	Wattage/Operation	Color Temp	Optic	+ Driver
VOS = Vos	SWH = Square White SBL = Square Black	F = Fixed	28 = 2.8"	8 CC = 8W / Constant Current (700mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (15°) FL = Flood (31°) WFL = Wide Flood (52°)	ECO30W-XXX SOLO50W-XXX SOLO100W-XXX
		FHC = Fixed HoneyComb	28 = 2.8"	8 CC = 8W / Constant Current (700mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (14°) NFL = Narrow Flood (28°) MWFL = Medium Wide Flood (41°)	

Ordering Information							(Required)
VOS			41	15 - CC			
Product	Trim/Finish	Type	Diameter	Wattage/Operation	Color Temp	Optic	+ Driver
VOS = Vos	SWH = Square White SBL = Square Black	F = Fixed	41 = 4.1"	15 CC = 15W / Constant Current (400mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	NFL = Narrow Flood (20°) FL = Flood (33°) MWFL = Medium Wide Flood (49°)	ECO30W-XXX SOLO50W-XXX SOLO100W-XXX
		FHC = Fixed HoneyComb	41 = 4.1"	15 CC = 15W / Constant Current (400mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	NFL = Narrow Flood (23°) FL = Flood (30°) MWFL = Medium Wide Flood (43°)	

Vos Fixed Optics

ROUND

1.7" 2W 630mA



DRIVER OPTIONS (pick one)

C.C. Power supply options (remote only)

ECO30W-630

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

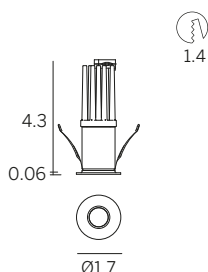
SOLO50W-630

0-10V EldoLED
SOLOdrive 50W
for 1-16 fixtures

SOLO100W-630

0-10V EldoLED
SOLOdrive 100W
for 1-32 fixtures

1.7" 6.3W 700mA



DRIVER OPTIONS (pick one)

C.C. Power supply options (remote only)

ECO30W-700

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

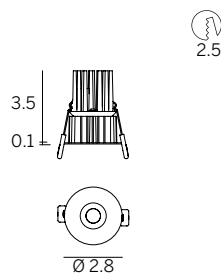
SOLO50W-700

0-10V EldoLED
SOLOdrive 50W
for 1-6 fixtures

SOLO100W-700

0-10V EldoLED
SOLOdrive 100W
for 1-12 fixtures

2.8" 8W 700mA



DRIVER OPTIONS (pick one)

C.C. Power supply options (remote only)

ECO30W-700

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

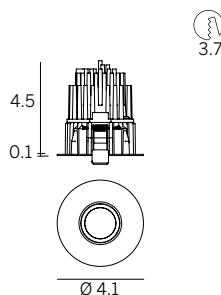
SOLO50W-700

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

SOLO100W-700

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

4.1" 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

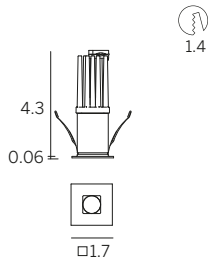
SOLO100W-400

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

Vos Fixed Optics

SQUARE

1.7" 6W 500mA



C.C. Power supply options (remote only)

ECO30W-630

0-10V EldoLED
ECODrive 30W
for 1-10 fixtures

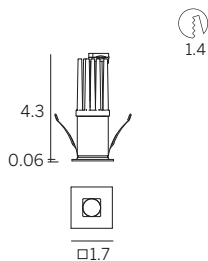
SOLO50W-630

0-10V EldoLED
SOLOdrive 50W
for 1-16 fixtures

SOLO100W-630

0-10V EldoLED
SOLOdrive 100W
for 1-32 fixtures

1.7" 6W 500mA



DRIVER OPTIONS (pick one)

C.C. Power supply options (remote only)

ECO30W-700

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

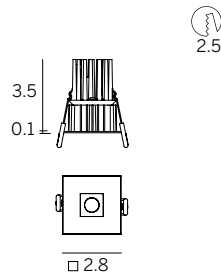
SOLO50W-700

0-10V EldoLED
SOLOdrive 50W
for 1-6 fixtures

SOLO100W-700

0-10V EldoLED
SOLOdrive 100W
for 1-12 fixtures

2.8" 8W 700mA



DRIVER OPTIONS (pick one)

C.C. Power supply options (remote only)

ECO30W-700

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

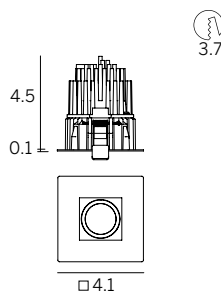
SOLO50W-700

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

SOLO100W-700

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

4.1" 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

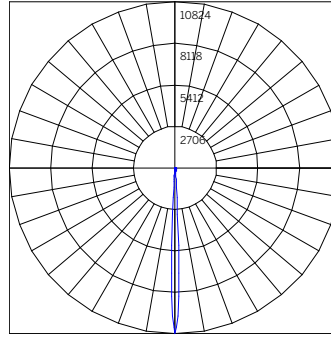
Vos Fixed Optics

ROUND FIXED

VOS-RWH-F-...-USP...

Delivered Lumens - Ultra Spot

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	120	-	-	-
	92-30-	129	-	-	-
	92-35-	129	-	-	-
	92-40-	137	-	-	-
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		1.00	-	-	-
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		6.8	-	-	-



Beam Angle (0-180) = 4.8°
Beam Angle (90-270) = 4.6°

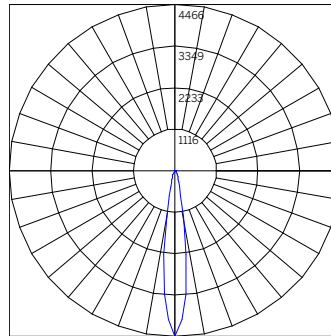
CONE OF LIGHT - 2W 3000K Ultra Spot VOS-RWH-F-17-2-CC-80-30-USP*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	2706	0.2
4	677	0.3
6	301	0.5
8	169	0.7
10	108	0.8
12	75	1.0
14	55	1.2
16	42	1.3
18	33	1.5
20	27	1.7

VOS-RWH-F-...-SP...

Delivered Lumens - Spot

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	343	456	-
	92-30-	-	356	488	-
	92-35-	-	356	488	-
	92-40-	-	385	528	-
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.73	1.00	-
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	14.9	16.9	-



Beam Angle (0-180) = 15.2°
Beam Angle (90-270) = 14.6°

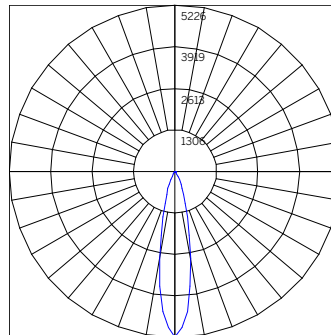
CONE OF LIGHT - 8W 3000K Spot VOS-RWH-F-28-8-CC-92-30-SP*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1117	0.5
4	279	1.1
6	124	1.6
8	70	2.1
10	45	2.7
12	31	3.2
14	23	3.7
16	17	4.3
18	14	4.8
20	11	5.3

VOS-RWH-F-...-NFL...

Delivered Lumens - Narrow Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	253	-	972
	92-30-	-	263	-	1039
	92-35-	-	263	-	1039
	92-40-	-	285	-	1116
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.25	-	1.00
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	14.5	-	10.8



Beam Angle (0-180) = 21.2°
Beam Angle (90-270) = 21.2°

CONE OF LIGHT - 15W 3000K Narrow Flood VOS-RWH-F-41-15-CC-92-30-NFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1307	0.7
4	327	1.5
6	145	2.2
8	82	3.0
10	52	3.7
12	36	4.5
14	27	5.2
16	20	6.0
18	16	6.7
20	13	7.5

*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.

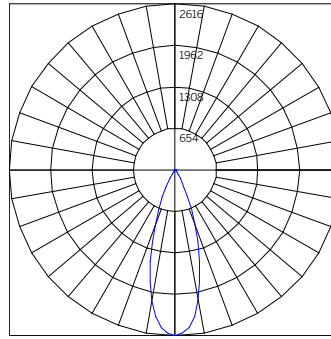
Vos Fixed Optics

ROUND FIXED

VOS-RWH-F-...-FL...

Delivered Lumens - Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	-	371	846
	92-30-	-	-	398	905
	92-35-	-	-	398	905
	92-40-	-	-	428	984
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	0.44	1.00
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	18.6	11.3



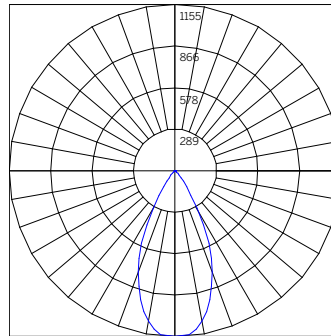
CONE OF LIGHT - 15W 3000K Flood VOS-RWH-F-41-15-CC-92-30-FL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	654	1.2
4	164	2.4
6	73	3.6
8	41	4.7
10	26	5.9
12	18	7.1
14	13	8.3
16	10	9.5
18	8	10.7
20	7	11.8

VOS-RWH-F-...-MWFL...

Delivered Lumens - Medium Wide Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	277	-	688
	92-30-	-	289	-	735
	92-35-	-	289	-	735
	92-40-	-	311	-	791
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.39	-	1.00
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	21.5	-	17.8



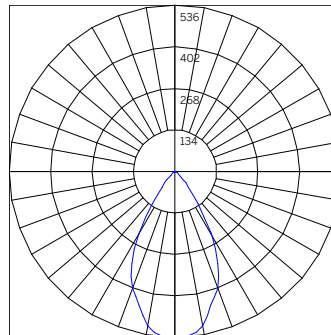
CONE OF LIGHT - 15W 3000K Medium Wide Flood VOS-RWH-F-41-15-CC-92-30-MWFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	289	1.8
4	72	3.6
6	32	5.5
8	18	7.3
10	12	9.1
12	8	10.9
14	6	12.8
16	5	14.6
18	4	16.4
20	3	18.2

VOS-RWH-F-...-WFL...

Delivered Lumens - Wide Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	-	409	-
	92-30-	-	-	438	-
	92-35-	-	-	438	-
	92-40-	-	-	474	-
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	1.00	-
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	22.5	-



CONE OF LIGHT - 8W 3000K Wide Flood VOS-RWH-F-28-8-CC-92-30-WFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	134	2.1
4	34	4.3
6	15	6.4
8	8	8.6
10	5	10.7
12	4	12.9
14	3	15.0
16	2	17.2
18	2	19.3
20	1	21.4

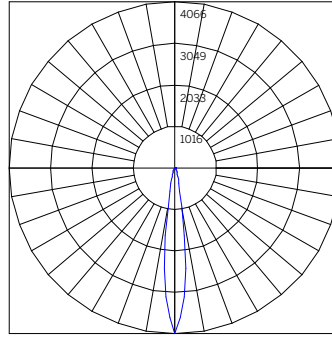
*Polar Plot and Cone of Light are applicable to part number noted; use Multiplication Factor table to approximate other models or refer to online photometry.

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

VOS-RWH-FHC-...-SP...

Delivered Lumens - Spot

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	250	359	-
	92-30-	-	259	385	-
	92-35-	-	259	385	-
	92-40-	-	281	417	-
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.67	1.00	-
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	8.2	10.3	-



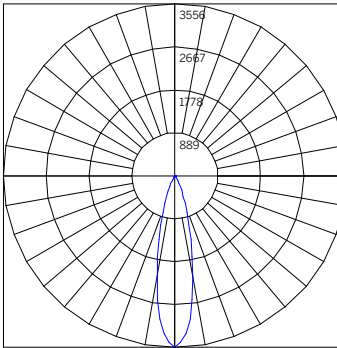
CONE OF LIGHT - 8W 3000K Spot VOS-RWH-FHC-28-8-CC-92-30-SP*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1017	0.5
4	254	1.0
6	113	1.5
8	64	2.0
10	41	2.5
12	28	3.0
14	21	3.5
16	16	4.0
18	13	4.5
20	10	5.0

VOS-RWH-FHC-...-NFL...

Delivered Lumens - Narrow Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	180	263	718
	92-30-	-	187	283	767
	92-35-	-	187	283	767
	92-40-	-	203	304	826
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.24	0.37	1.00
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	10.9	14.7	9.9



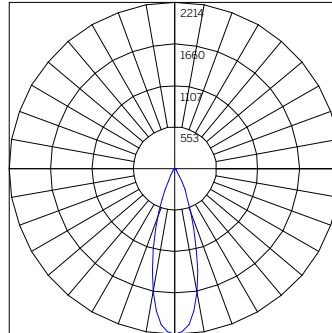
CONE OF LIGHT - 15W 3000K Narrow Flood VOS-RWH-FHC-41-15-CC-92-30-NFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	889	0.8
4	222	1.7
6	99	2.5
8	56	3.3
10	36	4.1
12	25	5.0
14	18	5.8
16	14	6.6
18	11	7.5
20	9	8.3

VOS-RWH-FHC-...-FL...

Delivered Lumens - Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	164	-	618
	92-30-	-	171	-	661
	92-35-	-	171	-	661
	92-40-	-	185	-	711
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.26	-	1.00
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	15.0	-	9.3



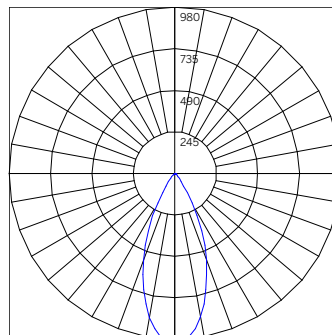
CONE OF LIGHT - 15W 3000K Flood VOS-RWH-FHC-41-15-CC-92-30-FL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	554	1.1
4	138	2.1
6	62	3.2
8	35	4.3
10	22	5.4
12	15	6.4
14	11	7.5
16	9	8.6
18	7	9.6
20	6	10.7

VOS-RWH-FHC-...-MWFL...

Delivered Lumens - Medium Wide Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	-	261	490
	92-30-	-	-	280	523
	92-35-	-	-	280	523
	92-40-	-	-	303	563
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	0.54	1.00
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	18.3	15.9



CONE OF LIGHT - 15W 3000K Medium Wide Flood VOS-RWH-FHC-41-15-CC-92-30-MWFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	448	1.3
4	112	2.7
6	50	4
8	28	5.3
10	18	6.7
12	12	8
14	9	9.3
16	7	10.6
18	6	12
20	4	13.3

*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.

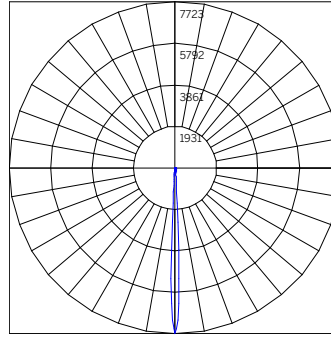
Vos Fixed Optics

SQUARE FIXED

VOS-SWH-F-...-USP...

Delivered Lumens - Ultra Spot

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	97	-	-	-
	92-30-	104	-	-	-
	92-35-	104	-	-	-
	92-40-	111	-	-	-
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		1.00	-	-	-
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		6.1	-	-	-



Beam Angle (0-180) = 4.8°
Beam Angle (90-270) = 4.8°

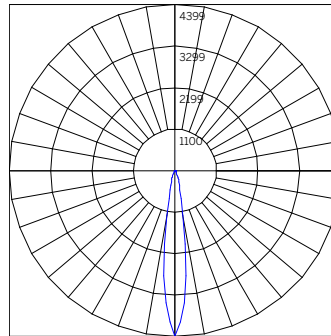
CONE OF LIGHT - 2W 3000K Ultra Spot VOS-SWH-F-17-2-CC-80-30-USP*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1931	0.2
4	483	0.3
6	215	0.5
8	121	0.7
10	77	0.8
12	54	1.0
14	39	1.2
16	30	1.3
18	24	1.5
20	19	1.7

VOS-SWH-F-...-SP...

Delivered Lumens - Spot

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	337	460	-
	92-30-	-	351	493	-
	92-35-	-	351	493	-
	92-40-	-	380	531	-
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.71	1.00	-
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	11.7	11.9	-



Beam Angle (0-180) = 14.8°
Beam Angle (90-270) = 15.0°

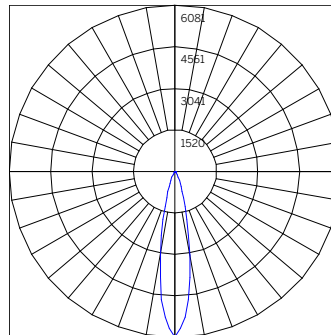
CONE OF LIGHT - 8W 3000K Spot VOS-SWH-F-28-8-CC-92-30-SP*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1100	0.5
4	275	1.0
6	122	1.6
8	69	2.1
10	44	2.6
12	31	3.1
14	22	3.6
16	17	4.2
18	14	4.7
20	11	5.2

VOS-SWH-F-...-NFL...

Delivered Lumens - Narrow Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	238	-	1055
	92-30-	-	247	-	1128
	92-35-	-	247	-	1128
	92-40-	-	268	-	1215
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.22	-	1.00
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	14.2	-	10.2



Beam Angle (0-180) = 20.4°
Beam Angle (90-270) = 20.6°

CONE OF LIGHT - 15W 3000K Narrow Flood VOS-SWH-F-41-15-CC-92-30-NFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1521	0.7
4	380	1.4
6	169	2.2
8	95	2.9
10	61	3.6
12	42	4.3
14	31	5.0
16	24	5.8
18	19	6.5
20	15	7.2

*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.

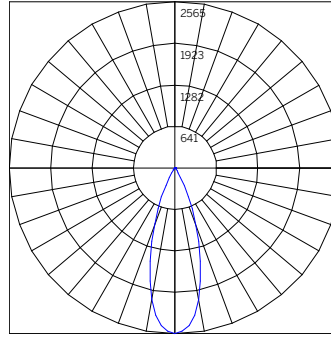
Vos Fixed Optics

SQUARE FIXED

VOS-RWH-F-...-FL...

Delivered Lumens - Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	-	369	868
	92-30-	-	-	396	929
	92-35-	-	-	396	929
	92-40-	-	-	427	999
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	0.43	1.00
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	18.3	12.0



Beam Angle (0-180) = 33.4°
Beam Angle (90-270) = 33.6°

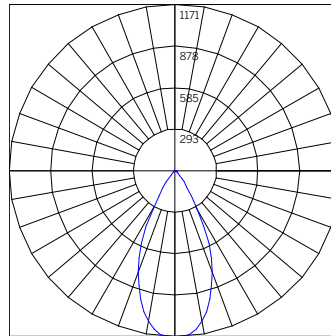
CONE OF LIGHT - 15W 3000K Flood VOS-SWH-F-41-15-CC-92-30-FL'

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	641	1.2
4	160	2.4
6	71	3.6
8	40	4.8
10	26	6.0
12	18	7.2
14	13	8.4
16	10	9.6
18	8	10.8
20	6	12.0

VOS-RWH-F-...-MWFL...

Delivered Lumens - Medium Wide Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	264	-	718
	92-30-	-	275	-	768
	92-35-	-	275	-	768
	92-40-	-	297	-	827
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.36	-	1.00
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	21.2	-	18.1



Beam Angle (0-180) = 48.8°
Beam Angle (90-270) = 49.0°

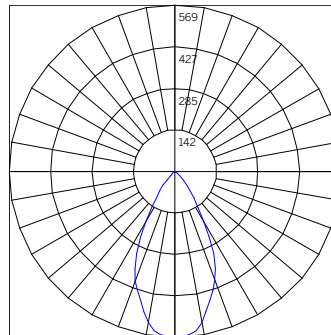
CONE OF LIGHT - 15W 3000K Medium Wide Flood VOS-SWH-F-41-15-CC-92-30-MWFL'

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	293	1.8
4	73	3.6
6	33	5.4
8	18	7.3
10	12	9.1
12	8	10.9
14	6	12.7
16	5	14.5
18	4	16.3
20	3	18.1

VOS-RWH-F-...-WFL...

Delivered Lumens - Wide Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	-	412	-
	92-30-	-	-	438	-
	92-35-	-	-	438	-
	92-40-	-	-	477	-
Polar Plot / Cone Of Light Multiplier					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	1.00	-
UGR (3K)					
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	21.3	-



Beam Angle (0-180) = 52.4°
Beam Angle (90-270) = 52.2°

CONE OF LIGHT - 15W 3000K Narrow Spot VOS-SWH-F-28-8-CC-92-30-WFL'

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	143	2.0
4	36	3.9
6	16	5.9
8	9	7.9
10	6	9.8
12	4	11.8
14	3	13.8
16	2	15.7
18	2	17.7
20	1	19.7

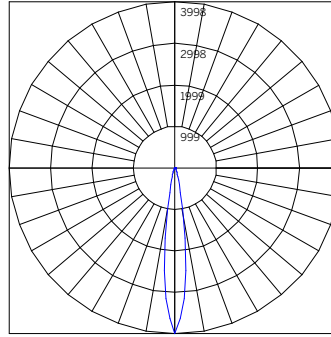
*Polar Plot and Cone of Light are applicable to part number noted; use Multiplication Factor table to approximate other models or refer to online photometry.

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

VOS-SWH-FHC-...-SP...

Delivered Lumens - Spot

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	255	359	-
	92-30-	-	265	384	-
	92-35-	-	265	384	-
	92-40-	-	287	414	-
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.67	1.00	-
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	9.7	10.2	-



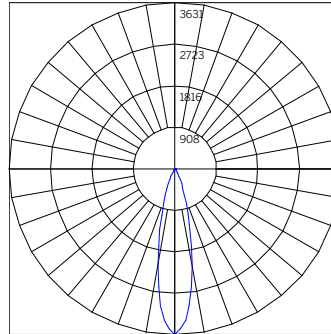
CONE OF LIGHT - 8W 3000K Spot VOS-SWH-FHC-28-8-CC-92-30-SP*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1000	0.5
4	250	1.0
6	111	1.5
8	62	2.0
10	40	2.5
12	28	3.0
14	20	3.5
16	16	4.0
18	12	4.5
20	10	5.1

VOS-SWH-FHC-...-NFL...

Delivered Lumens - Narrow Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	177	265	741
	92-30-	-	184	283	792
	92-35-	-	184	283	792
	92-40-	-	200	307	850
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.23	0.36	1.00
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	10.9	14.2	10.3



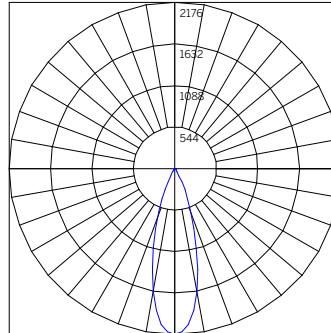
CONE OF LIGHT - 15W 3000K Narrow Flood VOS-SWH-FHC-41-15-CC-92-30-NFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	908	0.8
4	227	1.6
6	101	2.5
8	57	3.3
10	36	4.1
12	25	4.9
14	19	5.7
16	14	6.6
18	11	7.4
20	9	8.2

VOS-SWH-FHC-...-FL...

Delivered Lumens - Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	157	-	614
	92-30-	-	164	-	656
	92-35-	-	164	-	656
	92-40-	-	177	-	705
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	0.25	-	1.00
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	13.6	-	9.5



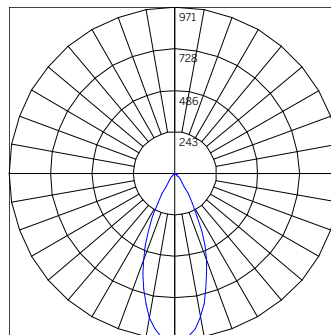
CONE OF LIGHT - 15W 3000K Flood VOS-SWH-FHC-41-15-CC-92-30-FL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	554	1.1
4	138	2.1
6	62	3.2
8	35	4.3
10	22	5.4
12	15	6.4
14	11	7.5
16	9	8.6
18	7	9.6
20	6	10.7

VOS-SWH-FHC-...-MWFL...

Delivered Lumens - Medium Wide Flood

		Diameter [Wattage]			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
CCT	92-27-	-	-	262	495
	92-30-	-	-	281	529
	92-35-	-	-	281	529
	92-40-	-	-	303	569
		Polar Plot / Cone Of Light Multiplier			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	0.53	1.00
		UGR (3K)			
		17 [2 CC]	17 [6 CC]	28 [8 CC]	41 [15 CC]
		-	-	18.5	15.9



CONE OF LIGHT - 15W 3000K Medium Wide Flood VOS-SWH-FHC-41-15-CC-92-30-MWFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	448	1.3
4	112	2.7
6	50	4
8	28	5.3
10	18	6.7
12	12	8
14	9	9.3
16	7	10.6
18	6	12
20	4	13.3

*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.