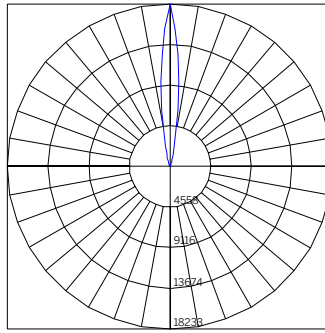


# ORMA Trimless Flush Optics

## TRIMLESS

**OR-TL-F-...-SP-...**  
Delivered Lumens - Spot

		Diameter [Wattage]			
		09 [1 CC/ 1.5 CV]	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]
CCT	27	-	366	692	1449
	30	-	366	721	1449
	40	-	395	761	1557
		Polar Plot / Cone Of Light Multiplier			
		09 [1 CC/ 1.5 CV]	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]
		-	0.25	0.50	1.00



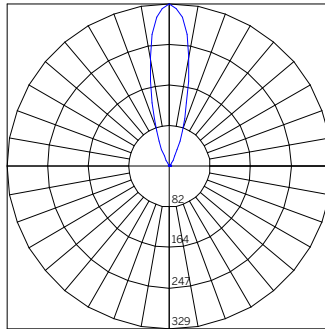
Beam Angle (0-180) = 12.6

**CONE OF LIGHT - 12W 3000K SPOT**  
**OR-TL-F-50-CC-12-30-SP-...\*\***

Throw Distance [Ft]	Illuminance [Fc]	Beam Diameter [Ft]
16	71	3.5
14	93	3.1
12	127	2.6
10	182	2.2
8	285	1.8
6	506	1.3
4	1140	0.9
2	4558	0.4

**OR-TL-F-...-NFL-...**  
Delivered Lumens - Narrow Flood

		Diameter [Wattage]			
		09 [1 CC/ 1.5 CV]*	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]
CCT	27	86	-	-	-
	30	92	-	-	-
	40	99	-	-	-
		Polar Plot / Cone Of Light Multiplier			
		09 [1 CC/ 1.5 CV]	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]
		0.06	-	-	-



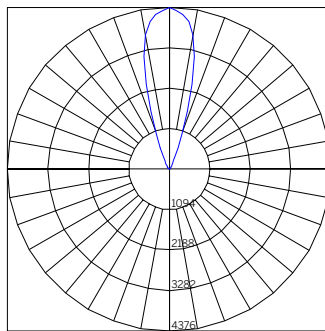
Beam Angle (0-180) = 26.0

**CONE OF LIGHT - 1.5W 3000K Narrow Flood**  
**OR-TL-F-09-1-CC-30-NFL\***

Throw Distance [Ft]	Illuminance [fc at max cd]	Beam Width [Ft]
20	1	9.2
18	1	8.3
16	1	7.4
14	2	6.5
12	2	5.5
10	3	4.6
8	5	3.7
6	9	2.8
4	21	1.8
2	82	0.9

**OR-TL-F-...-FL-...**  
Delivered Lumens - Flood

		Diameter [Wattage]			
		09 [1 CC/ 1.5 CV]*	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]
CCT	27	71	288	693	1371
	30	76	288	722	1371
	40	81	311	763	1472
		Polar Plot / Cone Of Light Multiplier			
		09 [1 CC/ 1.5 CV]	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]
		0.06	0.21	0.53	1.00



Beam Angle (0-180) = 31.4

**CONE OF LIGHT - 12W 3000K FLOOD**  
**OR-TL-F-50-CC-12-30-FL-...\*\***

Throw Distance [Ft]	Illuminance [Fc]	Beam Diameter [Ft]
16	17	9.0
14	22	7.9
12	30	6.7
10	44	5.6
8	68	4.5
6	122	3.4
4	274	2.2
2	1094	1.1

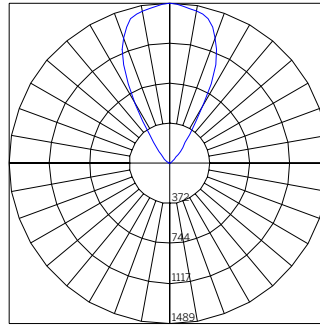
\* 09 aperture NFL optic is 20 degrees; 09 aperture FL optic is 35 degrees.

\*\* 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.

# ORMA Trimless Flush Optics

## TRIMLESS

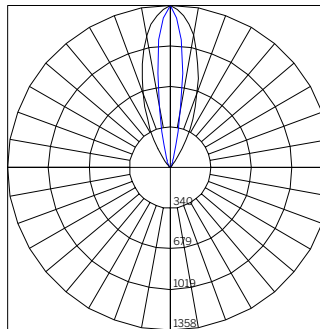
OR-TL-F-...-WFL-... Delivered Lumens - Wide Flood				
Diameter [Wattage]				
	09 [1 CC/ 1.5 CV]	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]
CCT				
27	-	282	687	1322
30	-	282	716	1322
40	-	306	756	1421
Polar Plot / Cone Of Light Multiplier				
	09 [1 CC/ 1.5 CV]	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]
	-	0.21	0.54	1.00



Beam Angle (0-180) = 57.2

CONE OF LIGHT - 12W 3000K WIDE FLOOD OR-TL-F-50-CC-12-30-WFL-...**		
Throw Distance [Ft]	Illuminance [Fc]	Beam Diameter [Ft]
16	6	17.4
14	8	15.3
12	10	13.1
10	15	10.9
8	23	8.7
6	41	6.5
4	93	4.4
2	372	2.2

OR-TL-F-...-EL-... Delivered Lumens - Elliptical				
Diameter [Wattage]				
	09 [1 CC/ 1.5 CV]	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]
CCT				
27	-	345	-	-
30	-	345	-	-
40	-	373	-	-
Polar Plot / Cone Of Light Multiplier				
	09 [1 CC/ 1.5 CV]	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]
	-	1.00	-	-



Beam Angle (0-180) = 17.2  
Beam Angle (90-270) = 39.0

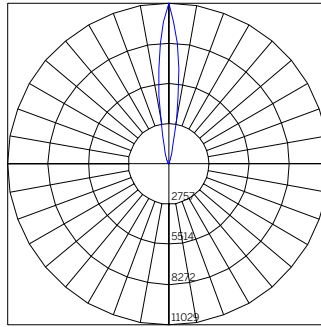
CONE OF LIGHT - 4W 3000K ELLIPTICAL OR-TL-F-22-CC-4-30-EL-...**		
Throw Distance [Ft]	Illuminance [Fc]	Beam Diameter [Ft]
16	5	4.8
14	7	4.2
12	9	3.6
10	14	3.0
8	21	2.4
6	38	1.8
4	85	1.2
2	340	0.6

\*\* 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.

# ORMA Trimless Flush Optics

## TRIMLESS - HC HONEYCOMB LOUVER

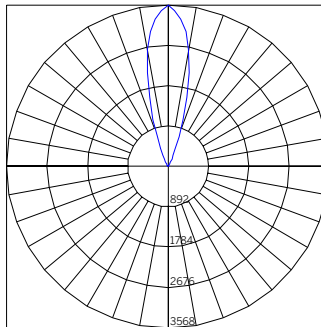
OR-TL-FHC-...-SP-... Delivered Lumens - Spot			
Diameter [Wattage]			
	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]
CCT			
27	302	532	1059
30	302	554	1059
40	324	585	1139
Polar Plot / Cone Of Light Multiplier			
	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]
	0.29	0.52	1.00



Beam Angle (0-180) = 14.2

CONE OF LIGHT - 12W 3000K SPOT OR-TL-FHC-50-CC-12-30-SP-...*		
Throw Distance [Ft]	Illuminance [Fc]	Beam Diameter [Ft]
16	43	4.0
14	56	3.5
12	77	3.0
10	110	2.5
8	172	2.0
6	306	1.5
4	689	1.0
2	2757	0.5

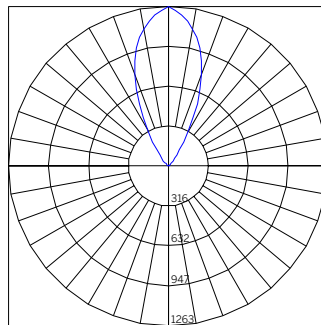
OR-TL-FHC-...-FL-... Delivered Lumens - Flood			
Diameter [Wattage]			
	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]
CCT			
27	232	535	941
30	231	557	941
40	249	588	1012
Polar Plot / Cone Of Light Multiplier			
	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]
	0.25	0.59	1.00



Beam Angle (0-180) = 28.2

CONE OF LIGHT - 12W 3000K FLOOD OR-TL-FHC-50-CC-12-30-FL-...*		
Throw Distance [Ft]	Illuminance [Fc]	Beam Diameter [Ft]
16	14	8.0
14	18	7.0
12	25	6.0
10	36	5.0
8	56	4.0
6	99	3.0
4	223	2.0
2	892	1.0

OR-TL-FHC-...-WFL-... Delivered Lumens - Wide Flood			
Diameter [Wattage]			
	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]
CCT			
27	199	440	778
30	199	458	778
40	215	484	836
Polar Plot / Cone Of Light Multiplier			
	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]
	0.25	0.59	1.00



Beam Angle (0-180) = 46.2

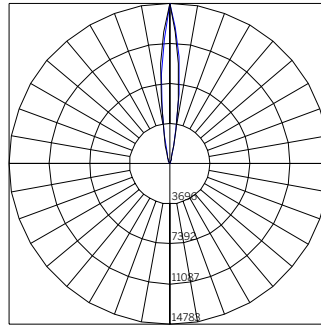
CONE OF LIGHT - 12W 3000K WIDE FLOOD OR-TL-FHC-50-CC-12-30-WFL-...*		
Throw Distance [Ft]	Illuminance [Fc]	Beam Diameter [Ft]
16	5	13.6
14	6	11.9
12	9	10.2
10	13	8.5
8	20	6.8
6	35	5.1
4	79	3.4
2	316	1.7

\* 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.

# ORMA Trimless Flush Optics

## TRIMLESS - DL DARKLIGHT

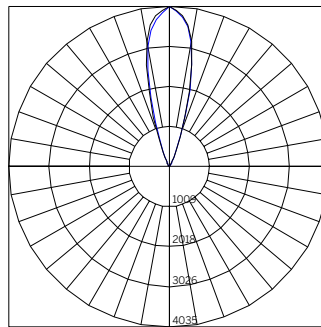
OR-TL-FDL-...-SP-... Delivered Lumens - Spot					
Diameter [Wattage]					
	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]		
CCT	27	267	567	1146	
	30	267	590	1146	
	40	288	624	1232	
Polar Plot / Cone Of Light Multiplier					
	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]		
	0.23	0.51	1.00		



Beam Angle (0-180) = 11.4  
Beam Angle (90-270) = 15.0

CONE OF LIGHT - 12W 3000K SPOT OR-TL-FDL-50-CC-12-30-SP-...*			
Throw Distance [Ft]	Illuminance [Fc]	Beam Diameter [Ft]	
16	58	3.2	
14	75	2.8	
12	103	2.4	
10	148	2.0	
8	231	1.6	
6	411	1.2	
4	924	0.8	
2	3696	0.4	

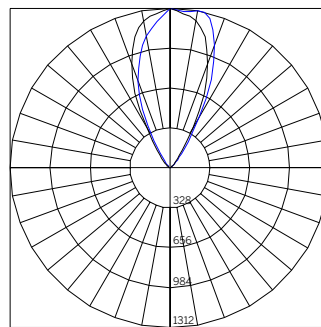
OR-TL-FDL-...-FL-... Delivered Lumens - Flood					
Diameter [Wattage]					
	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]		
CCT	27	220	566	1076	
	30	220	589	1076	
	40	238	623	1157	
Polar Plot / Cone Of Light Multiplier					
	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]		
	0.20	0.55	1.00		



Beam Angle (0-180) = 28.4  
Beam Angle (90-270) = 29.6

CONE OF LIGHT - 12W 3000K FLOOD OR-TL-FDL-50-CC-12-30-FL-...*			
Throw Distance [Ft]	Illuminance [Fc]	Beam Diameter [Ft]	
16	16	8.1	
14	21	7.1	
12	28	6.1	
10	40	5.1	
8	63	4.0	
6	112	3.0	
4	252	2.0	
2	1009	1.0	

OR-TL-FDL-...-WFL-... Delivered Lumens - Wide Flood					
Diameter [Wattage]					
	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]		
CCT	27	236	470	907	
	30	236	488	907	
	40	255	515	975	
Polar Plot / Cone Of Light Multiplier					
	22 [4 CC/ 5 CV]	34 [8 CC/ 9 CV]	50 [12 CC]		
	0.26	0.54	1.00		



Beam Angle (0-180) = 54.6  
Beam Angle (90-270) = 50.6

CONE OF LIGHT - 12W 3000K WIDE FLOOD OR-TL-FDL-50-CC-12-30-WFL-...*			
Throw Distance [Ft]	Illuminance [Fc]	Beam Diameter [Ft]	
16	5	16.5	
14	7	14.5	
12	9	12.4	
10	13	10.3	
8	21	8.3	
6	36	6.2	
4	82	4.1	
2	328	2.1	

\* 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.

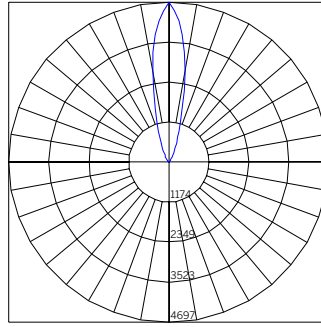
# ORMA Trimless Flush Optics

## TRIMLESS ADJUSTABLE

### OR-TL-A-...-SP-...

Delivered Lumens - Spot

		Diameter [Wattage]		
		22 [4 CC/5 CV]	34 [8 CC/9 CV]	50 [12 CC]
CCT	27	366	692	1072
	30	366	721	1072
	40	395	761	1152
Polar Plot / Cone Of Light Multiplier				
		22 [4 CC/5 CV]	34 [8 CC/9 CV]	50 [12 CC]
		0.34	0.67	1.00



Beam Angle (0-180) = 22.6

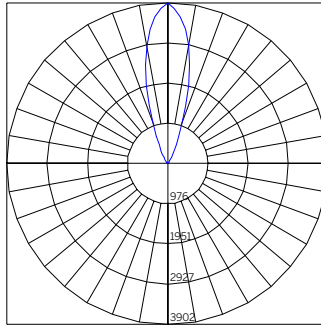
### CONE OF LIGHT - 12W 3000K SPOT OR-TL-A-50-CC-12-30-SP-...\*

Throw Distance [Ft]	Illuminance [Fc]	Beam Diameter [Ft]
16	18	6.4
14	24	5.6
12	33	4.8
10	47	4.0
8	73	3.2
6	130	2.4
4	294	1.6
2	1174	0.8

### OR-TL-A-...-FL-...

Delivered Lumens - Flood

		Diameter [Wattage]		
		22 [4 CC/5 CV]	34 [8 CC/9 CV]	50 [12 CC]
CCT	27	288	693	1209
	30	288	722	1209
	40	311	763	1298
Polar Plot / Cone Of Light Multiplier				
		22 [4 CC/5 CV]	34 [8 CC/9 CV]	50 [12 CC]
		0.24	0.60	1.00



Beam Angle (0-180) = 30.2

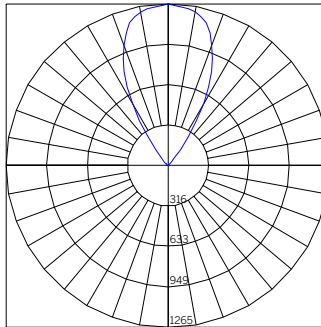
### CONE OF LIGHT - 12W 3000K FLOOD OR-TL-A-50-CC-12-30-FL-...\*

Throw Distance [Ft]	Illuminance [Fc]	Beam Diameter [Ft]
16	15	8.6
14	20	7.6
12	27	6.5
10	39	5.4
8	61	4.3
6	108	3.2
4	244	2.2
2	976	1.1

### OR-TL-A-...-WFL-...

Delivered Lumens - Wide Flood

		Diameter [Wattage]		
		22 [4 CC/5 CV]	34 [8 CC/9 CV]	50 [12 CC]
CCT	27	282	687	1063
	30	282	716	1063
	40	306	756	1143
Polar Plot / Cone Of Light Multiplier				
		22 [4 CC/5 CV]	34 [8 CC/9 CV]	50 [12 CC]
		0.27	0.67	1.00



Beam Angle (0-180) = 57.2

### CONE OF LIGHT - 12W 3000K WIDE FLOOD OR-TL-A-50-CC-12-30-WFL-...\*

Throw Distance [Ft]	Illuminance [Fc]	Beam Diameter [Ft]
16	5	17.4
14	6	15.3
12	9	13.1
10	13	10.9
8	20	8.7
6	35	6.5
4	79	4.4
2	316	2.2

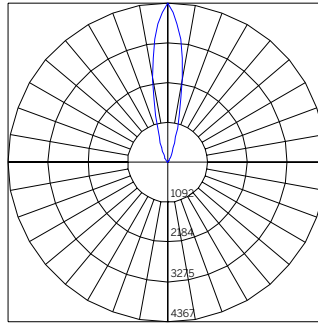
\* Polar Plot and Cone of Light are applicable to part number noted; use Multiplication Factor table to approximate other models or refer to online photometry.

# ORMA Trimless Flush Optics

## TRIMLESS ADJUSTABLE - HC HONEYCOMB LOUVER

**OR-TL-AHC-...-SP-...**  
Delivered Lumens - Spot

		Diameter [Wattage]		
		22 [4 CC/5 CV]	34 [8 CC/9 CV]	50 [12 CC]
CCT	27	-	532	818
	30	-	554	818
	40	-	585	879
Polar Plot / Cone Of Light Multiplier				
		22 [4 CC/5 CV]	34 [8 CC/9 CV]	50 [12 CC]
		-	0.68	1.00



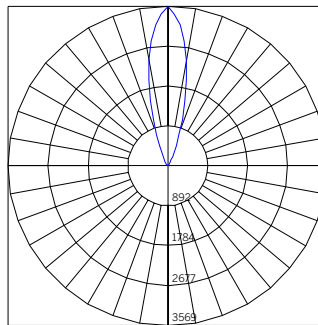
Beam Angle (0-180) = 21.0

**CONE OF LIGHT - 12W 3000K SPOT**  
**OR-TL-AHC-50-CC-12-30-SP-...\***

Throw Distance [Ft]	Illuminance [Fc]	Beam Diameter [Ft]
16	17	5.9
14	22	5.2
12	30	4.4
10	44	3.7
8	68	3.0
6	121	2.2
4	273	1.5
2	1092	0.7

**OR-TL-AHC-...-FL-...**  
Delivered Lumens - Flood

		Diameter [Wattage]		
		22 [4 CC/5 CV]	34 [8 CC/9 CV]	50 [12 CC]
CCT	27	-	535	897
	30	-	557	897
	40	-	588	965
Polar Plot / Cone Of Light Multiplier				
		22 [4 CC/5 CV]	34 [8 CC/9 CV]	50 [12 CC]
		-	0.62	1.00



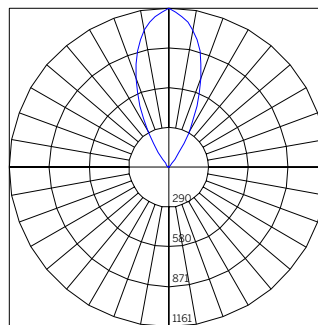
Beam Angle (0-180) = 27.0

**CONE OF LIGHT - 12W 3000K FLOOD**  
**OR-TL-AHC-50-CC-12-30-FL-...\***

Throw Distance [Ft]	Illuminance [Fc]	Beam Diameter [Ft]
16	14	7.7
14	18	6.7
12	25	5.8
10	36	4.8
8	56	3.8
6	99	2.9
4	223	1.9
2	892	1.0

**OR-TL-AHC-...-WFL-...**  
Delivered Lumens - Wide Flood

		Diameter [Wattage]		
		22 [4 CC/5 CV]	34 [8 CC/9 CV]	50 [12 CC]
CCT	27	-	440	678
	30	-	458	678
	40	-	484	730
Polar Plot / Cone Of Light Multiplier				
		22 [4 CC/5 CV]	34 [8 CC/9 CV]	50 [12 CC]
		-	0.68	1.00



Beam Angle (0-180) = 40.6

**CONE OF LIGHT - 12W 3000K WIDE FLOOD**  
**OR-TL-AHC-50-CC-12-30-WFL-...\***

Throw Distance [Ft]	Illuminance [Fc]	Beam Diameter [Ft]
16	5	11.8
14	6	10.4
12	8	8.9
10	12	7.4
8	20	5.9
6	32	4.4
4	73	3.0
2	290	1.5

\* 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.