ORMA Trim Frosted

inter•lux

IP68 4400 lb

General: Orma is a compact and shallow family of round LED in-grades suitable to illuminate outdoor architectural elements such as facades, columns as well as landscape and pathway lighting.

The overall depth of roughly 3" including the housing makes it one of the most compact fixtures on the market. The new trimless version combines style and performance in a package that includes multiple beam spreads, color temperatures, the choice to use Constant Current or Constant Voltage and new housings for either concrete or tile applications. Orma' special optics like Blade (spreading light 180°).

Fixture Body: Die-Cast Aluminum 6060, anodized black (15 μm)

Trim: Flush (Stainless Steel) or Semi-Flush (Stainless Steel or Brass) Trim. Brass is untreated and will patina naturally. Glass is Frosted, Tempered and Anti-slip.

Mounting/Housing: Black, ABS housings available for both Concrete or Tile Flush installation.

Drive-over: 2.1"/2.5" up to 4,409 lbs.

Walk-over: 3.3"/3.8"/4.9"/5.4" walk-over.

Dimensions (Flush – Semi-Flush)/Weight: 2.1"/2.5" (0.44 lbs) – 3. 3"/3.8" (1.1 lbs) – 4.9"/5.4" (1.98 lbs)

Driver: Remote, 120-277V Dimmable 0-10V or Non-Dim. Available in both Constant Current (CC) and Constant Voltage (CV) to leave flexibility of installation.

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

CV features: Possibility to use higher wattage drivers and feed multiple fixtures with less drivers; fixtures need to be wired in parallel.

Wattages CC/CV: 1W/1.5W (2.1" & 2.5") – 2W/2.5W (3.3" & 3.8") – 4W (4.9" & 5.4" - CV Only)

Cable: Fixture comes with 3.28' of power cable and built-in Aquastop® (anti-wicking) system

IP rating: IP68 for temporary submersion up to 15' depth for up to a maximum of 90 mins.

IK rating: IK 10

ETL Certification: ETL, wet location

Optics: Fixed, Diffused.

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

CRI: 80+

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.

2.1" 1W C.C. / 1.5W C.V.

2.5" 1W C.C. / 1.5W C.V.

3.3" 2W C.C. / 2.5W C.V.

3.8" 2W C.C. / 2.5W C.V.

4.9" 4W C.C. / 5W C.V.

5.4" 4W C.C. / 5W C.V.

Delivered Lumens*	2.1"/2.5"	3.3"/3.8"	4.9"/5.4"
General	19	27	90

*Values shown for 3000K

| Ordering Information								(Required)	
OR						GE			
Product	**Trim**	**Type**	**Diameter**	**Wattage/Operation**	**Color Temp**	**Optic**	**+**	**Housing**[3]	**Driver**[3]
OR = ORMA	FT = Flush Trim St. Steel[1]	FR = Fixed Frosted	21 = 2.1" (FT)	1 CC =1W / Constant Current (350mA) 1.5 CV = 1.5W / Constant Voltage (24VDC)	27 = 2700K 30 = 3000K 40 = 4000K	GE = General		E99650 (2.1" 2.5") E99560 (2.1" 2.5") E83251 (2.1" 2.5") E99855 (2.1") E99651 (3.3" 3.8") E83252 (3.3" 3.8") E99563 (3.3") E99856 (3.3") E99652 (4.9" 5.4") E83253 (4.9" 5.4") E99564 (4.9") E99857 (4.9")	**CC:** ECO30W-XXX SOLO50W-XXX SOLO100W-XXX **CV:** OT96-D010 OT96-JBX
	SFST = Semi-Flush St. Steel Trim[2]		25 = 2.5" (SFST/SFBT)	1 CC = 1W / Constant Current (350mA) 1.5 CV = 1.5W / Constant Voltage (24VDC)					
	SFBT = Semi-Flush Brass Trim[2]		33 = 3.3" (FT)	2 CC = 2W / Constant Current (630mA) 2.5 CV = 2.5W / Constant Voltage (24VDC)					
			38 = 3.8" (SFST/SFBT)	2 CC = 2W / Constant Current (350mA) 2.5 CV = 2.5W / Constant Voltage (24VDC)					
			49 = 4.9" (FT)	4 CC = 4W / Constant Current (630mA) 5 CV = 5W / Constant Voltage (24VDC)					
			54 = 5.4" (SFST/SFBT)	4 CC = 4W / Constant Current (350mA) 5 CV = 5W / Constant Voltage (24VDC)					

[1] 2.1", 3.3", 4.9" ONLY
[2] 2.5", 3.8", 5.4" ONLY

[3] See page 2

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2.1" 1W C.C. DC - 350mA / 1.5W C.V. DC - 24 VDC
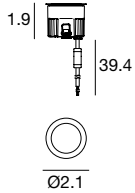
1.9
39.4
Ø2.1

HOUSING OPTIONS (pick one)

E99650
Concrete Housing
`PVC`

Ø2.2
3
Ø3.8

E99560[1]
Round Vandal Resistant Housing
`PVC`

Ø2.8
3.1
Ø3.8
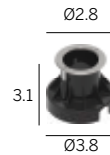
E99855[1]
Square Vandal Resistant Housing
`PVC`
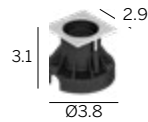
2.9
3.1
Ø3.8

E83251
Tile Housing
`PVC`

3
Ø2.2

DRIVER OPTIONS (pick one)

C.C. Power supply options (remote only)

ECO30W-350	**SOLO50W-350**	**SOLO100W-350**
0-10V EldoLED ECOdrive 30W for 1-10 fixtures	0-10V EldoLED SOLOdrive 50W for 1-20 fixtures	0-10V EldoLED SOLOdrive 100W for 1-40 fixtures

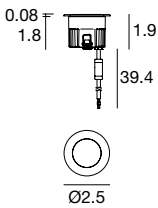#### C.V. Power supply options (remote only)

OT96-D010	**OT96-JBX**
Osram, 10% 0-10V dim, 96W, 24VDC, 120-277VAC, supplied in a Dry location enclosure	Osram, Non-dim 24VDC, 120-277VAC, Wet location

[1] Note: Vandal resistant housings make the Flush Trim fixtures become Semi-flush Trim.

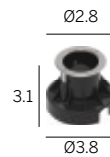---

2.5" C.C. 1W DC - 350mA / 1.5W C.V. DC - 24 VDC

0.08
1.8
1.9
39.4
Ø2.5

HOUSING OPTIONS (pick one)

E99650
Concrete Housing
`PVC`

Ø2.2
3
Ø3.8

E99560[1]
Round Vandal Resistant Housing
`PVC`

Ø2.8
3.1
Ø3.8

E83251
Tile Housing
`PVC`

3
Ø2.2

DRIVER OPTIONS (pick one)

C.C. Power supply options (remote only)

ECO30W-350	**SOLO50W-350**	**SOLO100W-350**
0-10V EldoLED ECOdrive 30W for 1-10 fixtures	0-10V EldoLED SOLOdrive 50W for 1-20 fixtures	0-10V EldoLED SOLOdrive 100W for 1-40 fixtures

C.V. Power supply options (remote only)

OT96-D010	**OT96-JBX**
Osram, 10% 0-10V dim, 96W, 24VDC, 120-277VAC, supplied in a Dry location enclosure	Osram, Non-dim 24VDC, 120-277VAC, Wet location

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3.3" 2W C.C. DC - 630mA / 2.5W C.V. DC - 24 VDC

2
39.4
Ø3.3

HOUSING OPTIONS (pick one)

E99651
Concrete Housing
`PVC`

Ø3.4
3
Ø4.5
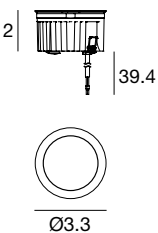
E99563[1]
Round Vandal Resistant Housing
`PVC`

Ø4.1
3.1
Ø4.5

E99856[1]
Square Vandal Resistant Housing
`PVC`

4.1
78
Ø114

E83252
Tile Housing
`PVC`

3
Ø3.4

DRIVER OPTIONS (pick one)

C.C. Power supply options (remote only)

ECO30W-630	**SOLO50W-630**	**SOLO100W-630**
0-10V EldoLED ECOdrive 30W for 1 fixture	0-10V EldoLED SOLOdrive 50W for 1-16 fixtures	0-10V EldoLED SOLOdrive 100W for 1-32 fixtures

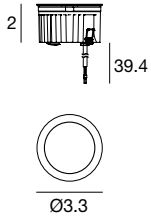#### C.V. Power supply options (remote only)

OT96-D010	**OT96-JBX**
Osram, 10% 0-10V dim, 96W, 24VDC, 120-277VAC, supplied in a Dry location enclosure	Osram, Non-dim 24VDC, 120-277VAC, Wet location

[1] Note: Vandal resistant housings make the Flush Trim fixtures become Semi-flush Trim.

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ORMA Trim Frosted

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3.8" 2W C.C. DC - 630mA / 2.5W C.V. DC - 24 VDC

2 | 39.4

Ø3.3

HOUSING OPTIONS (pick one)

E99651
Concrete Housing
PVC

Ø3.4

3 | Ø4.5

E83252
Tile Housing
PVC

3 | Ø3.4

DRIVER OPTIONS (pick one)

C.C. Power supply options (remote only)

ECO30W-350	**SOLO50W-350**	**SOLO100W-350**
0-10V EldoLED ECOdrive 30W for 1 fixture	0-10V EldoLED SOLOdrive 50W for 1-16 fixtures	0-10V EldoLED SOLOdrive 100W for 1-32 fixtures

C.V. Power supply options (remote only)

OT96-D010	**OT96-JBX**
Osram, 10% 0-10V dim, 96W, 24VDC, 120-277VAC, supplied in a Dry location enclosure	Osram, Non-dim 24VDC, 120-277VAC, Wet location

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4.9" 4W C.C. DC - 350mA / 4.5W C.V. DC - 24 VDC

2 | 39.4

Ø4.9

HOUSING OPTIONS (pick one)

E99652
Concrete Housing
PVC

Ø5

3 | Ø6.1
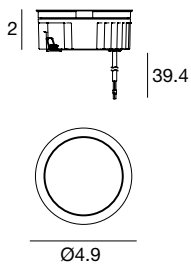
E99564[1]
Round Vandal Resistant Housing
PVC

Ø5.7

3.1 | Ø6.1

E99857[1]
Square Vandal Resistant Housing
PVC
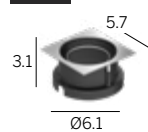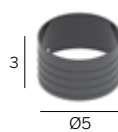
5.7

3.1 | Ø6.1

E83253
Tile Housing
PVC

3 | Ø5

DRIVER OPTIONS (pick one)

C.C. Power supply options (remote only)

ECO30W-630	**SOLO50W-630**	**SOLO100W-630**
0-10V EldoLED ECOdrive 30W for 1-3 fixture	0-10V EldoLED SOLOdrive 50W for 1-3 fixtures	0-10V EldoLED SOLOdrive 100W for 1-16 fixtures

C.V. Power supply options (remote only)

OT96-D010	**OT96-JBX**
Osram, 10% 0-10V dim, 96W, 24VDC, 120-277VAC, supplied in a Dry location enclosure	Osram, Non-dim 24VDC, 120-277VAC, Wet location

[1] Note: Vandal resistant housings make the Flush Trim fixtures become Semi-flush Trim.

5.4" C.C. 4W DC - 350mA / C.V. 5W DC - 24 VDC

2 | 39.4

Ø3.3

HOUSING OPTIONS (pick one)

E99652
Concrete Housing
PVC

Ø5

3 | Ø6.1

E83253
Tile Housing
PVC

3 | Ø5

DRIVER OPTIONS (pick one)

C.C. Power supply options (remote only)

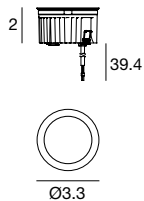| **ECO30W-350**	**SOLO50W-350**	**SOLO100W-220**
0-10V EldoLED ECOdrive 30W for 1-3 fixture	0-10V EldoLED SOLOdrive 50W for 1-6 fixtures	0-10V EldoLED SOLOdrive 100W for 1-12 fixtures

**C.V. Power supply options (remote only)**

OT96-D010	**OT96-JBX**
Osram, 10% 0-10V dim, 96W, 24VDC, 120-277VAC, supplied in a Dry location enclosure	Osram, Non-dim 24VDC, 120-277VAC, Wet location

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ORMA Trim Frosted

SEMI-FLUSH / FLUSH TRIM

OR-SFxT-FR-...-GE-...
Delivered Lumens - General

		Diameter [Wattage]		
		25 [1 CC / 1.5 CV]	38 [2 CC / 2.5 CV]	54 [4 CC / 5 CV]
CCT	27	17	25	90
	30	18	26	90
	40	19	28	97

Polar Plot / Cone Of Light Multiplier		
25 [1 CC / 1.5 CV]	38 [2 CC / 2.5 CV]	54 [4 CC / 5 CV]
0.20	0.29	1.00
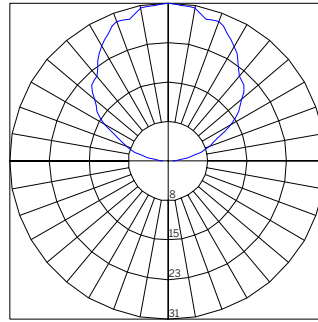
Beam Angle (0-180) = 116.0

CONE OF LIGHT - 4W 3000K GENERAL
OR-SFxT-FR-54-CC-4-30-GE-...*

Throw Distance [Ft]	Illuminance [Fc]	Beam Diameter [Ft]
16	0	51.2
14	0	44.8
12	0	38.4
10	0	32.0
8	0	25.6
6	1	19.2
4	2	12.8
2	8	6.4

*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.

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