



## OmniFlex 360 LED 24mm

Circular White or Black tube design with 360 degrees of light-emitting performance

The OmniFlex 360 tube-shaped luminaire is a high-density stealth (black) or white diffused flexible product that is available in 0.5, 1, 2, 3 4, or 5 meter lengths. When not illuminated, the stealth product disappears against black surfaces and in dark environments. This allows for the product to be 'turned off' when required.

The white diffused version is designed for situations where maximum brightness is preferred. Almost three times as bright, the white product provides a beautiful seamless output. Now available in Colour temperature adjustable and standard RGB as well as Pixel RGB (12V Individual 8-Bit) and Pixel RGBW (24V Grouped 16-Bit)

Accessories include clear and black mounting brackets, joiners and straight mounting channel for endless creativity. Input and output cables are mounted sideways so as to allow the OmniFlex to be flush against the input and output of each tube. There is also a rugged touring-grade flush mount end cap that can be specially ordered for your application. Please contact us to inquire further.



Black OmniFlex Shown on VELD 2024

24V DC	360° BEAM ANGLE	5 years	Dimmable	5M (16.4')	CUSTOMIZED LENGTHS
cUL US LISTED E489028	RoHS	CE	IP67 OUTDOOR	RGB	RGB+W
					CCT Adjustable

# TECHNICAL SPECIFICATIONS

## RGBW - RGB - W WHITE - C WHITE

NO:

1	PRODUCT TYPE	Dynamic White (2700k ~ 6000k)	RGB (Standard)	Pixel RGB	RGBW
2	PRODUCT CODE	ONFX-O24VO24X-276095-YMBEWS	ONFX-O24VO24X-RGBNA-YMBEWS	ONFX-O12VO24X-RGBNA-YMBEWSG8208S	ONFX-O24VO24X-RGBWX95-YMBEW7604S
3	CRI / TLCI	95+	N / A		95+
4	KELVIN	Adjustable 2700k - 6000k	COLOUR CHANGING		Colour Changing plus White (2700k/4000k/5600k)
5	HOUSING	BLACK STEALTH OR WHITE DIFFUSED			
6	CURRENT, RATING	0.832A / METER	0.832A / METER	2.45A / METER	1.29A / METER
7	VOLTAGE	24VDC	24VDC	12VDC	24VDC
8	WATTAGE	14.4W / METER	20W / METER	28.8W / METER	31W / METER
9	CC / CV	CONSTANT VOLTAGE		CONSTANT CURRENT	
10	IP RATING	IP67			
11	LUMENS/METER@FULL	N/A	N/A	N/A	N/A
12	LUMEN / WATT	N/A	N/A	N/A	N/A
13	LIFETIME*	35,000 Hours			
14	CUTTING LENGTH	5 CM	5 CM	1.041 CM	8.33 CM
15	LED / METER QUANTITY X 2	280 LEDs	96 LEDs	96 LEDs	84 LEDs
16	PIXEL PROTOCOL	N/A		GS8208	UCS7604
17	PIXELS PER METER	1		96 X RGB Control Segments (Individual LED Control)	12 X RGBW Control Segments (7 LEDs Per Group)
18	NUMBER OF CONTACTS	3	4		
19	LED TYPE	2110	5050	5060	4040
20	COPPER QUANTITY	3 Oz.			
21	OPERATING TEMPERATURE RANGE	-20° TO +40° C (-4° TO 104° F)			
22	AGENCY RATINGS	UL - E489028, CE, RoHS, REACH			
23	PCB WIDTH	24MM (+/- 0.5MM)			
24	MAXIMUM RECOMMENDED LENGTH	5 METERS			
25	VIEWING ANGLE	360°			
26	ADHESION	CLIP OR EXTRUSION OR HANGER (SOLD SEPARATELY)			
27	LIFESPAN & WARRANTY	5 Years			
28	MINIMUM BEND RADIUS	R> 120mm			
29	End Cap Options	Straight Cable Entry / Side Cable Entry / Side Cable Entry Rugged			

\* - NOMINAL LIFETIME BASED ON IDEAL INSTALLATION LOCATION CONDITIONS & ASSUMING MAXIMUM OF 16 HOURS PER DAY OF USE

# TECHNICAL SPECIFICATIONS

## OMNIFLEX SKU ORDERING CODES

<b>ONFX</b>	<b>O</b>	<b>24V</b>	<b>O24</b>	<b>T</b>	<b>UUUU</b>	<b>VV</b>	<b>WW</b>	<b>XXX</b>	<b>YYY</b>	<b>ZZZZ</b>
1	2	3	4	5	6	7	8	9	10	11
Series	IP Rating (IP67)	Operating Voltage	Dimensions	Housing Style	LED Type	CCT	CRI	Length	Connector	Protocol

<b>1 Family Series</b> DFLX	<b>2 IP Rating</b> IP65	<b>3 Voltage</b> 24V 24 Volt DC (Standard) 12V 12 Volt DC (Custom or Pixel Protocols) 5V 5 Volt DC (Pixel Protocols Only)	<b>4 Voltage</b> O24 Circular - 24MM Nominal
<b>5 Housing Style</b> W White B Black	<b>6 LED Type</b> 2760 Dynamic White (Colour Temperature Adjustable) RGB Red Green Blue RGBW Red Green Blue White	<b>7 CCT</b> 27 2700k 56 5600k XX Custom Colour Temperatures Available	<b>8 CRI</b> 95 Standard XX Custom CRI Available
<b>9 Length</b> 5M 5 Meters 4M 4 Meters 3M 3 Meters 2M 2 Meters 1M 1 Meter 0.5M 0.5 Meters XX Custom Lengths Avail.	<b>10 Connector</b> BEW Bare End Wire 5PM 5-Pin Male Chogori XLR4 XLR-Style Connector	<b>11 Protocol</b> 7604S UCS7604 GS8208S GS8208	

<b>End Cap Options</b> Side Entry End Cap Solid Black / Solid White / Semi-Transparent Straight Entry End Cap Solid Black / Solid White / Semi-Transparent Sealed End Cap Solid Black / Solid White / Semi-Transparent Side Entry End Cap Rugged Solid Black / Solid White / Semi-Transparent	<b>Optional Accessory Items for RGB, RGBW &amp; Pixel</b> ONFX-24-CNS-2M 360 Cylinder Sleeve Ø31 outside diameter - 2 Meter Lengths ONFX-24-C-C Aluminum Cap - Solid ONFX-24-C-H Aluminum Cap - Hanging with 2-conductor connector PCB ONFX-24-C-S Aluminum Cap - Surface Mount With Hole ONFX-24-UCN-2M U-Channel Mounting for Straight Lines - 2 Meter Lengths ONFX-24-UCN-0.05M U-Channel Mounting for Angled Lines - 0.5 Centimeter Clips ONFX-24-1M Surface Mount Semi-Circle Sleeve - 1 Meter Lengths ONFX-24-0.05M Surface Mount Semi-Circle Sleeve - 0.5 Centimeter Clips
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Lead time for custom products are typically 6 - 8 weeks. Please contact us to discuss your project requirements.

### INSTALLATION NOTES

Follow all instructions on bag label  
 Install indoor product in dry locations only  
 Weatherproof is rated at IP67 and Waterproof is rated at IP68.  
 Waterproof FlexLED must be mounted using silicone (not provided)

Soldering Guidelines:  
 Soldering iron should be between 360°C and 372°C.  
 Please ensure not to heat each solder pad for longer than 3 seconds otherwise separation of the solder pads can occur.

