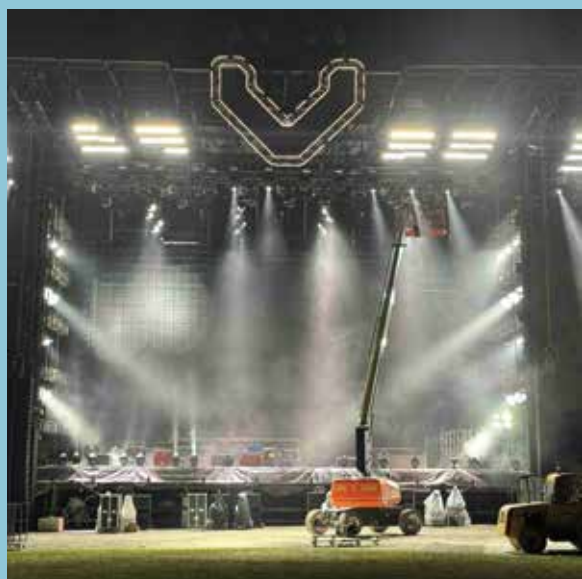# OmniFlex 360 LED 24MM

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 diffused product provides a beautiful seamless output. Now available in colour temperature adjustable, RGBW, 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. Optional end caps allow for cable to come straight out the end is also available.
Rugged, touring-grade injection-molded end caps have been developed and 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
c UL us LISTED E489028	RoHS	CE	IP67 OUTDOOR	RGB	RGB+W	CCT Adjustable

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Product Type	Dynamic White (2700k - 6000k)	RGB (Standard)	RGBW (Standard)	Pixel RGB	Pixel RGBW
Product Code	: ONFX-O24VO24X-276095-YMBEWS	ONFX-O24VO24X-RGBNA-YMBEWS	ONFX-O24VO24X-RGBWYY95-ZMBEWS	ONFX-O12VO24X-RGBNA-YMBEWGS8208S	ONFX-O24VO24X-RGBWYY95-ZMBEW7604S
CRI / TLCI	: 95+	N/A	95+	N/A	95+
Kelvin	: Adjustable 2700k - 6000k	Colour Changing	Colour Changing plus White (2700k/4000k/5600k)	Colour Changing	Colour Changing plus White (2700k/4000k/5600k)
Housing	: Black or White	Black or White	Black or White	Black or White	Black or White
Current, Rating	: 0.832 A / meter	0.832 A / meter	0.832 A / meter	2.45 A / meter	1.29 A / meter
Voltage	: 24 VDC	24 VDC	24 VDC	12 VDC	24 VDC
Wattage	: 14.4 W / meter	20 W / meter	20 W / meter	28.8 W / meter	31 W / meter
CC / CV	: Constant Voltage	Constant Voltage	Constant Voltage	Constant Current (Pixel Control)	Constant Current (Pixel Control)
IP Rating	: IP67	IP67	IP67	IP67	IP67
Lumens @ Full	: 594 (White Housing)	N/A	N/A	N/A	N/A
Lumen / Watt	: 41.25 (White Housing)	N/A	N/A	N/A	N/A
Lifetime*	: 35,000 hours	35,000 hours	35,000 hours	35,000 hours	35,000 hours
Cutting Length	: 5 CM (1.97")	5 CM (1.97")	5 CM (1.97")	1.041 CM (0.41")	8.33 CM (3.28")
LEDs per Meter	: 2x280=560	2x96=192	2x120 = 240	2x96=192	2x84=168
Pixel Protocol	: None	None	None	GS8208	UCS7604
Pixels per Meter	: 1	1	1	96 X RGB Control Segments / meter (Individual LED)	12 X RGBW Control Segments / meter (7 X LEDs per Group)
Number of Contacts	: 3	4	5	4	4
LED Type	: 2110	5050	3838	5060	4040
Copper Quantity	: 3 Oz.				
Temperature, Operating, Maximum	: 40ºC				
Temperature, Operating, Minimum	: -20ºC				
Agency Ratings	: UL E489028, CE, RoHS, REACH				
Width	: 24 MM (+/- 0.5MM)				
Maximum Recommended Length (power from both ends)	: 5 meters	5 meters	5	5 meters	5 meters
Viewing Angle	: 360 º				
Adhesion	: Clip or Extrusion or Hanger (Sold Separately)				
Warranty	: 5 Years				
Minimum Bend Radius	: R>120mm				
End Cap Options	: Straight Cable Entry / Side Cable Entry / Side Cable Entry Rugged (Touring Grade)				

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OMNIFLEX SKU ORDERING CODES

ONFX	O	24V	O24	T	UUUU	VV	WW	XXX	YYY	ZZZZ
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

1 Family Series
DFLX

2 IP Rating
IP65

3 Voltage
24V 24 Volt DC (Standard)
12V 12 Volt DC (Custom or Pixel Protocols)
5V 5 Volt DC (Pixel Protocols Only)

4 Voltage
O24 Circular - 24MM Nominal

5 Housing Style
W White
B Black

6 LED Type
2760 Dynamic White (Colour Temperature Adjustable)
RGB Red Green Blue
RGBW Red Green Blue White

7 CCT
27 2700k
56 5600k
XX Custom Colour Temperatures Available

8 CRI
95 Standard
XX Custom CRI Available

9 Length
5M 5 Meters
4M 4 Meters
3M 3 Meters
2M 2 Meters
1M 1 Meter
0.5M 0.5 Meters
XX Custom Lengths Avail.

10 Connector
BEW Bare End Wire
5PM 5-Pin Male Chogori
XLR4 XLR-Style Connector

11 Protocol
7604S UCS7604
GS8208S GS8208

End Cap Options

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

Optional Accessory Items for RGB, RGBW & Pixel

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

Lead time for custom products are typically 6 - 8 weeks. Please contact us to discuss your project requirements.

INSTALLATION NOTES

OmniFlex has a natural bend to it. Do not attempt to bend in a direction that it does not naturally fall otherwise damage to the LED can occur.

SOLDERING GUIDELINES
Soldering iron should be between 360°C and 372°C (680°F ~ 702°F).
Please ensure not to heat each solder pad for longer than 3 seconds otherwise separation of the solder pads can occur.

OmniFLEX 360 LED - UCS7604

5CM   240 LEDs/M

24mm Ø

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SKU: ONFX-24-C-C
Closed End Cap
The closed end is designed to provide a nice clean finished look to the end
of the OmniFlex that does not have any wires. A convenient set screw ensures a secure connection.

SKU: ONFX-24-C-H
Hanger End Cap
The hanger end cap is capable of providing a positive and negative wire that is
built into the end cap. This makes the hanging end cap ideal for white LED or
single colour OmniFlex. OmniFlex requiring more than a positive and negative
will need to have an additional line cable run to support the power of the additional circuits.

SKU: ONFX-24-C-S
Surface Mount End Cap
The surface mount end cap with hole is designed to allow a cable to come
out the end or the side of the cap. A convenient set screw ensures a secure connection.

ACCESSORIES - END CAPS

White Option: ONFX-24-EC-C-W
Black Option: ONFX-24-EC-C-B
Clear Option: ONFX-24-EC-C-C
Closed End Cap
The closed end is designed to provide a nice clean finished look to the end
of the OmniFlex that does not have any wires. Must be adhered with waterproof adhesive in
order to maintain ingress protection ratings.

White Option: ONFX-24-EC-T-W
Black Option: ONFX-24-EC-T-B
Clear Option: ONFX-24-EC-T-C
Center Cable Entry
The center cable entry end cap is designed to allow a cable to come out of the middle of the
OmniFlex.

White Option: ONFX-24-EC-S-W
Black Option: ONFX-24-EC-S-B
Clear Option: ONFX-24-EC-S-C
Side Entry Cable
The side entry cable end cap allows for two lengths of OmniFlex to be pressed up against
one another and still have cable entry / exit.

Black Option: ONFX-24-EC-S-B-TG
Touring Grade Side Entry Cable
The side entry cable has been engineered to withstand the harsh environment of a
rental product designed to be used in multiple installations. Injection molded for maximum
security, this end cap can not be ordered separately and must be ordered from us along
with the length of OmniFlex you would like it installed onto.

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SKU: ONFX-24-UCN-2M - 2 Meter Length (6.56 feet)
OmniFlex 360 Cylinder Sleeve
A 350 degree cylinder tube for creating straight runs of OmniFlex and creating a uniform exterior.
Ø31 outside diameter
Ø26.50 inside diameter

SKU: ONFX-24-UCN-2M - 2 Meter Length (6.56 feet)
ONFX-24-UCN-0.02M - 2 CentiMeter Clip (0.79 inch)
ONFX-24-UCN-0.05M - 5 CentiMeter Clip (1.97 inch)
OmniFlex 360 U-Channel
A U-Channel clear acrylic sleeve allowing for a pressure fit of the OmniFlex 360.
This design allows for half of the OmniFlex to be viewed without the reflections produced by the acrylic. Convenient flat track on the bottom with holes allows for mounting to any flat surface.

SKU: ONFX-24-1M - 1 Meter Length (3.28 feet)
OmniFlex 360 Surface Mount SemiCircle Sleeve
The U-Channel Mounting Track is a translucent, rigid acrylic channel designed for secure and precise mounting of OmniFlex 360. This mounting solution ensures stability while maintaining light diffusion, making it ideal for film, television, architectural, and entertainment lighting applications.
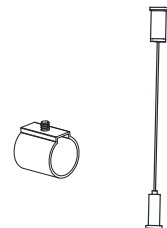
MOUNTING HARDWARE - HANGER ACCESSORIES

SKU: ONFX-24-AHS
OmniFlex 360 Mounting Hardware - Aircraft Cable Hanger with Sleeve
Designed for positioning OmniFlex into unique shapes and designs.
This hanger can be installed anywhere along the length of the OmniFlex and hung from an overhead location.

SKU: ONFX-24-TRS
OmniFlex 360 Mounting Hardware - Telescopic Rod with Sleeve
Designed for positioning OmniFlex into unique shapes and designs.
The telescopic rod can be mounted onto any surface, above, below or to the side of the OmniFlex.

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