

مستعمل

IP68+ submersible & IP69K LED strips



OrgaLED® System

The OrgaLED® System is a concept which consists of flexible LED strips (IP20-IP69K), stainless steel drive over lighting fixtures (IP68), LED based handrails (stainless steel, IP65, IK10) and various accessories. In other words: a one stop shopping concept for all your projects!

Due to the high quality, innovative technology and smart design, the OrgaLED® System is ideal for high end projects in various sectors, such as: maritime, architecture, infrastructure, construction, health and the entertainment industry.

OrgaLED® LED strips

The high quality, flexible OrgaLED® LED strips are available in PCB, Top, Side and Diffuse versions in several luminous intensities. The combination of high quality and exceptional flexibility, allows for an endless range of applications. The OrgaLED® LED strips are available in IP20 up to IP69K.

OrgaLED® Connect & Mounting

The OrgaLED® System is completed with a wide range of accessories, which have carefully been created and/or selected to install the OrgaLED® LED strips. By offering a complete range of 'Plug & Play' products, the OrgaLED® System is user friendly and easy to compose for all of your indoor & outdoor projects.

The OrgaLED® System is a concept which consists of flexible LED strips, stainless steel drive over lighting fixtures, LED based handrails and various accessories.

In other words: a one stop shopping concept for all your projects!"



IP68+ submersible & IP69K*

OrgaLED® strips

The OrgaLED® System consists of several high quality, flexible PCB, Top, Side and Diffuse LED strips in IP20 up to IP69K. The combination of high quality and exceptional flexibility, allows for endless indoor and outdoor applications!

The OrgaLED® LED strips are available in a wide range of (diffuse) LED strips (up to 65 ft) in various luminous intensities. The colors run from 2000K up to 6500K, RGB, red, green, blue and amber. Besides a LED strip series with a higher luminous flux (1173 lm/ft), the LED strip assortment also contains a tunable range.

* Order the LED strips with the unique pre-assembled (mirror welded) connector for an instant IP68+ (submersible) and IP69K usage.

Why choose the OrgaLED® LED strips?

- European quality, design & manufacturing
- Wide range of (diffuse) flexible LED strips
- IP rating from IP20 up to IP69K
- Various intensities & lighting colors (2000K - 6500K)
- Available in high luminous flux (30 - 1173 lm/ft)
- Tunable LED strips in several models & intensities
- Pre-assembled IP68+ (submersible) & IP69K connection possible
- Length from 2 in up to 65 feet
- Dimmable & low power consumption
- Binning ± 50 K
- SDCM = 2 MacAdam

“High quality, flexible PCB, Top, Side and Diffuse LED strips in IP20 up to IP69K.”



OrgaLED® PCB

The OrgaLED® PCB LED strip is a flexible LED strip without co-extrusion. Due to the small dimensions, this LED strip is ideal for usage in small indoor areas. The OrgaLED® PCB LED strip is equipped with 3M double sided tape.

Available in Deco, Power, High Power, Photon 1200-4000 and Tunable White 1200-4000 in white colors (2000K up to 6500K), RGB, red, green, blue and amber.

“Due to the small dimensions, the PCB LED strip is ideal for usage in small indoor areas.”

	Deco	Power	High Power	Photon	<div>CRI 90+</div> Tunable White	RGB
Power rating	0.33 - 1.34 W/ft	1.25 - 2.5 W/ft	2.5- 2.7 W/ft	2.4 - 8.8 W/ft	0.31 - 12.6 W/ft	1.4 - 2.2 W/ft
Light output	8- 43 lm/ft	20 - 155 lm/ft	223 - 263 lm/ft	305 - 1173 lm/ft	365- 1158 lm/ft	48 - 71 lm/ft
Efficiency	9 - 128 lm/W	9 - 124 lm/W	82 - 101 lm/W	87 - 151 lm/W	91 - 114 lm/W	32 - 33 lm/W
Beam angle	120°	120°	120°	120°	120°	120°
Section length	7.87 in	3.93 - 7.87 in	1.96 in	3.93 in	2.95 in	7.87 in
Max. conn. length	787 ft	393 ft	393 ft	118 - 354 ft	82.6 - 354 ft	196 - 393 ft
Spool length	164 ft	164 ft	33 ft	9.84 - 29.5 ft	6.8 - 29.5 ft	164 ft





OrgaLED® Top

The highly flexible OrgaLED® Top LED strip is provided with a unique co-extrusion technology. Combine the LED strip with the Top Connector Set and the OrgaLED® Top IP67 Kit for IP67 usage.

Looking for an instant IP68 (submersible) solution? Order the LED strips with the unique pre-assembled (mirror welded) connector.

Available in Deco, Power, High Power, Photon 1200 and Tunable White 1200 in the colours white (2000K up to 6500K), RGB, red, green, blue and amber.

“The highly flexible OrgaLED® Top LED strip is provided with a unique co-extrusion technology.”

	Deco	Power	High Power	Photon	<div>CRI 90+</div> Tunable White	RGB
Power rating	0.33 - 1.34 W/ft	1.25 - 2.5 W/ft	2.5 - 2.7 W/ft	2.4 - 3.2 W/ft	3.2 W/ft	1.4 - 2.2 W/ft
Light output	7.9 - 37.5 lm/ft	18.6 - 129 lm/ft	188 - 216 lm/ft	247 - 311 lm/ft	255 lm/ft	42 - 63 lm/ft
Efficiency	9 - 103 lm/W	9 - 104 lm/W	70 - 83 lm/W	77 - 124 lm/W	80 lm/W	28-29 lm/W
Beam angle	110°	110°	110°	110°	110°	110°
Section length	7.87 in	3.93 - 7.87 in	1.96 in	3.93 in	2.95 in	7.87 in
Max. conn. length	66 ft	33 ft	33 ft	29.5 ft	29.5 ft	16 - 33 ft
Spool length	164 ft	164 ft	33 ft	29.5 ft	29.5 ft	164 ft





IP68 submersible

OrgaLED® Side

The OrgaLED® Side LED strip is a flexible LED strip with a unique co-extrusion technology. Due to the built-in reflection, an optimal light effect from the side is guaranteed. Therefore the OrgaLED® Side LED strip is ideal for indoor and outdoor usage in round shaped coves, around pillars, etc. Combine the LED strip with the OrgaLED® Side Connector Set and the OrgaLED® Cast Joint.

Looking for an *instant* IP68 (submersible) solution? Order the LED strips with the unique pre-assembled (mirror welded) connector.

Available in Deco, Power, High Power, Photon 1200 and Tunable White 1200 in the colors white (2000K up to 6500K), RGB, red, green, blue and amber.

“Due to the optimal light effect from the side, the OrgaLED® Side LED strip is ideal for usage in round shaped coves and pillars.”

	Deco	Power	High Power	Photon <div>CRI 90+</div>	Tunable White	RGB
Power rating	0.33- 1.34 W/ft	1.25 - 2.5 W/ft	2.5 - 2.7 W/ft	2.4 - 3.2 W/ft	3.2 W/ft	1.4 - 2.2 W/ft
Light output	3.9 - 28 lm/ft	12 - 98 lm/ft	152 - 170 lm/ft	212 - 254 lm/ft	207 lm/ft	8.8 - 15 lm/ft
Efficiency	7 - 84 lm/W	6 - 79 lm/W	56 - 65 lm/W	66 - 103 lm/W	65 lm/W	20 - 23 lm/W
Beam angle	55°	55°	55°	55°	55°	55°
Section length	7.87 in	3.93 - 7.87 in	1.96 in	3.93 in	2.92 in	7.87 in
Max. conn. length	66 ft	33 ft	33 ft	29.5 ft	29.5 ft	16.4 - 33 ft
Spool length	164 ft	164 ft	33 ft	29.5 ft	29.5 ft	164 ft





IP68+ submersible & IP69K

OrgaLED® Diffuse

The pre-assembled OrgaLED® Diffuse LED strips are provided with a special mirror welded connector for instant IP68+ (submersible) and IP69K usage. The OrgaLED® Diffuse range consists of Top and Side emitted LED strips.

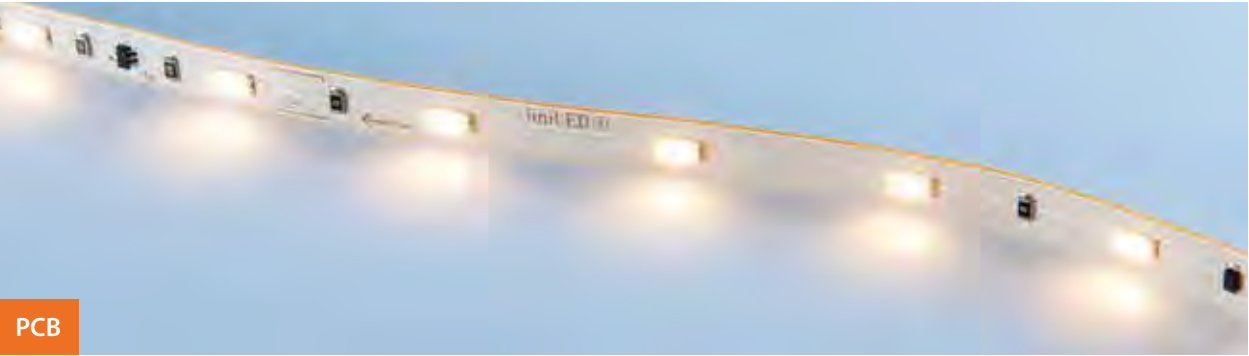
Available in white colors from 2400K up to 6500K.

“The OrgaLED® Diffuse LED strips consist of a special mirror welded connector for instant IP68+ (submersible) and IP69K usage.”

	Top Diffuse 12	Top Diffuse 18	Side Diffuse
Power rating	2.5 - 2.7 W/ft	2.5 - 2.7 W/ft	2.5 - 2.7 W/ft
Light output	50 - 56 lm/ft	59 - 68 lm/ft	30 - 35 lm/ft
Efficiency	19 - 21 lm/W	23 - 26 lm/W	12 - 14 lm/W
Beam angle	110°	110°	110°
Section length	1.96 in	1.96 in	1.96 in
Max. conn. length	3.93 in	3.93 in	3.93 in
Spool length	3.93 in	3.93 in	3.93 in



LED strips overview



PCB

POWER RATING

	Deco	Power	HP	PH 1200	PH 2000	PH 3000	PH 4000	TW 1200	TW 2000	TW 3000	TW 4000	RGB
2000K				3.2 W/ft	5.45W/ft	8.8 W/ft						
2400K	0.33 W/ft	1.3 W/ft	2.7 W/ft	3.2 W/ft	5.45W/ft	8.8 W/ft						
2700K	0.33 W/ft	1.4 W/ft	2.7 W/ft	2.7 W/ft	4.5 W/ft	7.2 W/ft	8.8 W/ft					
3000K	0.33 W/ft	1.3 W/ft	2.5 W/ft	2.7 W/ft	4.5 W/ft	7.2 W/ft	8.8 W/ft					
4000K	0.33 W/ft	1.2 W/ft	2.6 W/ft	2.4 W/ft	4.1 W/ft	6.6 W/ft	8.8 W/ft					
6500K	0.67 W/ft	1.2 W/ft	2.6 W/ft	2.4 W/ft	4.1 W/ft	6.6 W/ft	8.8 W/ft					
TW								3.2 W/ft	5.6 W/ft	9.1 W/ft	12.6 W/ft	
Red	1.3 W/ft	2.5 W/ft										
Green	0.76 W/ft	1.5 W/ft										
Blue	0.51 W/ft	2.2 W/ft										
Amber	1.34 W/ft	2.5 W/ft										
RGB 160												1.4 W/ft
RGB 240												2.2 W/ft

LIGHT OUTPUT

	Deco	Power	HP	PH 1200	PH 2000	PH3000	PH 4000	TW 1200	TW 2000	TW 3000	TW 4000	RGB
2000K				305 lm/ft	503 lm/ft	762 lm/ft						
2400K	35 lm/ft	146 lm/ft	223 lm/ft	356 lm/ft	609 lm/ft	914 lm/ft						
2700K	40 lm/ft	146 lm/ft	254 lm/ft	368 lm/ft	609 lm/ft	914 lm/ft	1143 lm/ft					
3000K	38 lm/ft	147 lm/ft	228 lm/ft	375 lm/ft	609 lm/ft	914 lm/ft	1143 lm/ft					
4000K	43 lm/ft	155 lm/ft	263 lm/ft	372 lm/ft	609 lm/ft	914 lm/ft	1173 lm/ft					
6500K	40 lm/ft	152 lm/ft	253 lm/ft	372 lm/ft	609 lm/ft	914 lm/ft	1173 lm/ft					
TW								365 lm/ft	609 lm/ft	914 lm/ft	1158 lm/ft	
Red	15 lm/ft	42 lm/ft										
Green	41 lm/ft	59 lm/ft										
Blue	7.9 lm/ft	20 lm/ft										
Amber	11.5 lm/ft	35 lm/ft										
RGB 160												48 lm/ft
RGB 240												71 lm/ft

EFFICIENCY

	Deco	Power	HP	PH 1200	PH 2000	PH3000	PH4000	TW 1200	TW 2000	TW 3000	TW 4000	RGB
2000K				95 lm/W	92 lm/W	87 lm/W						
2400K	105 lm/W	107 lm/W	82 lm/W	110 lm/W	112 lm/W	104 lm/W						
2700K	120 lm/W	105 lm/W	94 lm/W	136 lm/W	133 lm/W	127 lm/W	130 lm/W					
3000K	115 lm/W	113 lm/W	91 lm/W	138 lm/W	133 lm/W	127 lm/W	130 lm/W					
4000K	128 lm/W	124 lm/W	101 lm/W	151 lm/W	147 lm/W	138 lm/W	133 lm/W					
6500K	60 lm/W	122 lm/W	96 lm/W	151 lm/W	147 lm/w	138 lm/W	133 lm/W					
TW								114 lm/W	108 lm/W	100 lm/W	91 lm/W	
Red	12 lm/W	17 lm/W										
Green	54 lm/W	40 lm/W										
Blue	15 lm/W	9 lm/W										
Amber	9 lm/W	14 lm/W										
RGB 160												33 lm/W
RGB 240												32 lm/W



Top

POWER RATING

	Deco	Power	HP	PH 1200	TW 1200	RGB
2000K				3.2 W/ft		
2400K	0.33 W/ft	1.3 W/ft	2.7 W/ft	3.2 W/ft		
2700K	0.33 W/ft	1.4 W/ft	2.7 W/ft	2.7 W/ft		
3000K	0.33 W/ft	1.3 W/ft	2.5 W/ft	2.7 W/ft		
4000K	0.33 W/ft	1.2 W/ft	2.6 W/ft	2.4 W/ft		
6500K	0.67 W/ft	1.2 W/ft	2.6 W/ft	2.4 W/ft		
TW				3.2 W/ft		
Red	1.3 W/ft	0.9 W/ft				
Green	0.76 W/ft	1.5 W/ft				
Blue	0.5 W/ft	2.2 W/ft				
Amber	1.3 W/ft	2.5 W/ft				
RGB 160						1.4 W/ft
RGB 240						2.2 W/ft

LIGHT OUTPUT

	Deco	Power	HP	PH 1200	TW 1200	RGB
2000K				247 lm/ft		
2400K	27 lm/ft	116 lm/ft	190 lm/ft	292 lm/ft		
2700K	32 lm/ft	126 lm/ft	214 lm/ft	303 lm/ft		
3000K	31 lm/ft	116 lm/ft	188 lm/ft	312 lm/ft		
4000K	34 lm/ft	125 lm/ft	216 lm/ft	307 lm/ft		
6500K	34 lm/ft	130 lm/ft	211 lm/ft	305 lm/ft		
TW				255 lm/ft		
Red	15 lm/ft	41 lm/ft				
Green	37.5 lm/ft	49 lm/ft				
Blue	7.9 lm/ft	18 lm/ft				
Amber	11.8 lm/ft	23 lm/ft				
RGB 160						42 lm/ft
RGB 240						63 lm/ft

EFFICIENCY

	Deco	Power	HP	PH 1200	TW 1200	RGB
2000K				77 lm/W		
2400K	82 lm/W	85 lm/W	70 lm/W	90 lm/W		
2700K	96 lm/W	90 lm/W	79 lm/W	112 lm/W		
3000K	93 lm/W	87 lm/W	74 lm/W	115 lm/W		
4000K	103 lm/W	100 lm/W	83 lm/W	124 lm/W		
6500K	51 lm/W	104 lm/W	81 lm/W	124 lm/W		
TW				80 lm/W		
Red	11 lm/W	17 lm/W				
Green	49 lm/W	31 lm/W				
Blue	15 lm/W	9 lm/W				
Amber	9 lm/W	9 lm/W				
RGB 160						29 lm/W
RGB 240						28 lm/W



Side

	Deco	Power	HP	PH 1200	TW 1200	RGB
2000K				3.2 W/ft		
2400K	0.33 W/ft	1.3 W/ft	2.7 W/ft	3.2 W/ft		
2700K	0.33 W/ft	1.4 W/ft	2.7 W/ft	2.7 W/ft		
3000K	0.33 W/ft	1.3 W/ft	2.5 W/ft	2.7 W/ft		
4000K	0.33 W/ft	1.2 W/ft	2.6 W/ft	2.4 W/ft		
6500K	0.67 W/ft	1.2 W/ft	2.6 W/ft	2.4 W/ft		
TW				3.2 W/ft		
Red	1.3 W/ft	2.5 W/ft				
Green	0.76 W/ft	1.5 W/ft				
Blue	0.5 W/ft	2.2 W/ft				
Amber	1.3 W/ft	2.5 W/ft				
RGB 160						1.4 W/ft
RGB 240						2.2 W/ft

	Deco	Power	HP	PH 1200	TW 1200	RGB
2000K				212 lm/ft		
2400K	24 lm/ft	96 lm/ft	152 lm/ft	243 lm/ft		
2700K	25 lm/ft	97 lm/ft	166 lm/ft	252 lm/ft		
3000K	25 lm/ft	88 lm/ft	153 lm/ft	254 lm/ft		
4000K	28 lm/ft	98 lm/ft	169 lm/ft	253 lm/ft		
6500K	28 lm/ft	90 lm/ft	170 lm/ft	253 lm/ft		
TW				207 lm/ft		
Red	11 lm/ft	32 lm/ft				
Green	28 lm/ft	41 lm/ft				
Blue	3.9 lm/ft	12 lm/ft				
Amber	9 lm/ft	23 lm/ft				
RGB 160						29 lm/ft
RGB 240						51 lm/ft

	Deco	Power	HP	PH 1200	TW 1200	RGB
2000K				66 lm/W		
2400K	73 lm/W	70 lm/W	56 lm/W	75 lm/W		
2700K	76 lm/W	70 lm/W	61 lm/W	93 lm/W		
3000K	74 lm/W	67 lm/W	61 lm/W	94 lm/W		
4000K	84 lm/W	79 lm/W	65 lm/W	103 lm/W		
6500K	42 lm/W	73 lm/W	65 lm/W	103 lm/W		
TW				65 lm/W		
Red	9 lm/W	13 lm/W				
Green	37 lm/W	28 lm/W				
Blue	8 lm/W	6 lm/W				
Amber	7 lm/W	9 lm/W				
RGB 160						20 lm/W
RGB 240						23 lm/W



Diffuse

	Top 12	Top 18	Side
2000K			
2400K	2.7 W/ft	2.7 W/ft	2.7 W/ft
2700K	2.7 W/ft	2.7 W/ft	2.7 W/ft
3000K	2.5 W/ft	2.5 W/ft	2.5 W/ft
4000K	2.6 W/ft	2.6 W/ft	2.6 W/ft
6500K	2.6 W/ft	2.6 W/ft	2.6 W/ft
TW			
Red			
Green			
Blue			
Amber			
RGB 160			
RGB 240			

	Top 12	Top 18	Side
2000K			
2400K	50 lm/ft	60 lm/ft	31 lm/ft
2700K	56 lm/ft	67 lm/ft	34 lm/ft
3000K	51 lm/ft	59 lm/ft	30 lm/ft
4000K	55 lm/ft	64 lm/ft	35 lm/ft
6500K	56 lm/ft	68 lm/ft	33 lm/ft
TW			
Red			
Green			
Blue			
Amber			
RGB 160			
RGB 240			

	Top 12	Top 18	Side
2000K			
2400K	19 lm/W	23 lm/W	12 lm/W
2700K	21 lm/W	25 lm/W	13 lm/W
3000K	20 lm/W	24 lm/W	12 lm/W
4000K	21 lm/W	25 lm/W	14 lm/W
6500K	21 lm/W	26 lm/W	13 lm/W
TW			
Red			
Green			
Blue			
Amber			
RGB 160			
RGB 240			



UV, chlorine & sea water resistant

Mounting

The OrgaLED® LED strips can be installed on curved and/or flat surfaces. Use the OrgaLED® Saddle (incl. tie wrap) to install LED strips around pillars, in coves and other curved (indoor) areas. In case of linear installation, the OrgaLED® Aeris (IP40/IP67) and (Alu) U-Profile range offer durable indoor and outdoor solutions.

In addition, the OrgaLED® assortment also consists of other linear mounting profiles e.g. Wall-/Floor Profiles and Stair Profiles.

All profiles are available in standard lengths of 1, 2, 3 and 4 meters.

Why choose for OrgaLED® Mounting?

- European quality, design & manufacturing
- Wide range of (aluminium) profiles
- UV, chlorine and sea water resistant (white) PVC profiles
- Possible to create 'plug & play' IP40/IP67 Aeris Profiles

For more information visit our website www.organiclighting.com.

“The OrgaLED® mounting range consists of UV, chlorine and sea water resistant (white) PVC profiles, which are perfect for outdoor and underwater installation.”



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