



iX-led Edition 2

Flexus LED-modules

New LED developments on the market mean the development of new LED modules for us. Especially when the new LEDs achieve such outstanding technical values.

The new generation of 5050 LEDs from a well-known manufacturer not only offer unrivalled efficiency, but also other advantages. For example, they offer higher intensity thanks to secondary optics, a better color transition angle and trend-setting corrosion resistance. And, of course, a long service life.

In addition, the new generation of 5050 LEDs is available with CRI 70, CRI 80 and CRI 90 in three color renderings. The light colors range from 2200 K to 6500 K.

This means that lighting solutions can be realised not only in urban environments, but also in offices, for example.

We have therefore expanded our iX-led Flexus family and developed the following new modules for outdoor and street lighting for the new LED generation:

Flexus 5050 HP Flexus High Performance - It couldn't be better

Flexus 5050 PP Outstanding price-performance ratio

Flexus 5050 CT Extremely compact high-performance modules

Standard does not mean rigid and unchangeable!

Do you need different light colors, different color renderings or minimally shorter/longer versions of the modules? You need the assembly of soldering nuts as spacers or a threaded insert for simplified mounting of the module? No problem. Other terminals or soldered cables are also possible. With the **iX-led product family** we can adapt and individualize the standard to your needs.

Explore our exclusive module series with more than 1000 lighting possibilities.



Flexus 5050 HP — LED-modules for street and outdoor-lighting

iX-led Flexus 5050 HighPerformance is a further development of the proven Flexus LED-module family.

The Flexus 5050 HP is equipped with an LED with the highest performance currently available. Efficiencies of up to 237 lm/W are achieved. Or luminous fluxes of up to 13700 lm.

We offer the Flexus 5050 HP with or without an NTC for temperature monitoring. When using several LED modules in a luminaire, a single module with temperature monitoring is usually sufficient. This enables you to design cost-efficient lighting systems.

The Flexus 5050 HP is available in four lengths with 2x2, 2x4, 2x6 and 2x8 LEDs.

With CRI 70, CRI 80 and CRI 90, three color renderings are available. We also offer eight light colors in the range from 2200 K to 6500 K.

The Flexus 5050 HP is compatible with multiple optics from many manufacturers. This enables a high degree of flexibility in the lighting task. Far beyond the field of street lighting.

The family is rounded off by these LED modules:

Flexus 5050 PP	Outstanding price-performance ratio
Flexus 5050 CT	Extremely compact high-performance modules
Flexus HighPower	LED module with robust high-power LEDs
Flexus MidPower	Mid Power performance in a compact design
Flexus Color	Flexus in 11 colors from Far-Red to Royal-Blue

Our iX-led standard modules are available at short notice, even in small quantities, and are very advantageous in the overall concept.

Standard does not mean rigid and unchangeable!

Do you need different light colors, different color renderings or minimally shorter/longer versions of the modules? You need the assembly of soldering nuts as spacers or a threaded insert for simplified mounting of the module? No problem. Other terminals or soldered cables are also possible. With the **iX-led product family** we can adapt and individualize the standard to your needs. Explore our exclusive module series with more than 1000 lighting possibilities.

LED module with high performance high-power LEDs for installation in luminaires.

Compatible with optics from various manufacturers.

Versatile with:

✓ Square modules in 4 lengths: 71 mm, 121 mm, 172 mm and 223 mm x 50 mm

✓ 3 color renderings: CRI 70, CRI 80 and CRI 90

✓ 8 light colors: 2200 K, 2700 K, 3000 K, 3500 K, 4000 K, 5000 K, 5700 K and 6500 K

2-row LED arrangement.

Plug-in terminals for quick and easy installation.

2 variants: with and without NTC for temperature monitoring.

For operation with suitable constant current drivers.

Optimum thermal management through aluminium core PCB.

Rated current	250 V
Maximum operating current	-20...+50 °C
Maximum working voltage	95 °C
EPREL database entry	yes
Beam angle	120°

Connections:

Terminals	2 / 4
Connection type	rigid / flexible
Conductor cross-section AWG	AWG 18-24
Conductor cross-section	from 0.2 mm ²
	to 0.75 mm ²
Stripping length	8 - 9 mm

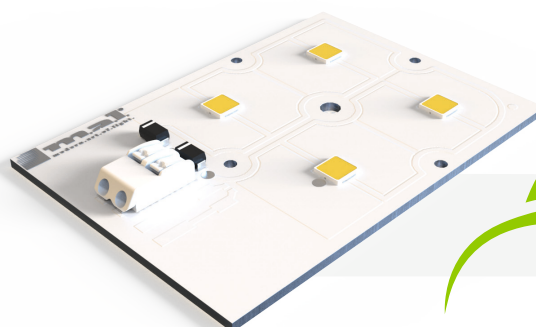
Did you already know? Our **Flexus 5050 HP-modules** are **ENEC-certified!**





Flexus 5050 HP 2x2 – LED-modules for street- and outdoor-lighting

- ✓ 4 high performance high-power-LEDs
- ✓ square module for installation in luminaires
- ✓ designed for 2x2 optics from various manufacturers
- ✓ pitch distance along and across 25 mm
- ✓ length 71 mm
- ✓ width 50 mm
- ✓ aluminium core PCB for perfect thermal management
- ✓ rated current 350 mA
- ✓ maximum operating current 1500 mA
- ✓ maximum forward voltage 12.3 V



Up to
237 lm/W!



Flexus 5050 HP G1 2x2 ... NTC

- ✓ 4 connection terminals
- ✓ with NTC for temperature monitoring

Flexus 5050 HP G1 2x2 ...

- ✓ 2 connection terminals

Please also refer to the technical data of the Flexus 5050 HP-Family on page 6. Further technical data and drawings from page 16.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥70	2200	198 lm	188 lm/W	685 lm	181 lm/W	2705 lm	153 lm/W	7550-00468	Flexus 5050 HP G1 2x2 722
								7550-00564	Flexus 5050 HP G1 2x2 722 NTC
	2700	227 lm	216 lm/W	788 lm	208 lm/W	3111 lm	176 lm/W	7550-00469	Flexus 5050 HP G1 2x2 727
								7550-00565	Flexus 5050 HP G1 2x2 727 NTC
	3000	240 lm	228 lm/W	831 lm	220 lm/W	3282 lm	186 lm/W	7550-00470	Flexus 5050 HP G1 2x2 730
								7550-00566	Flexus 5050 HP G1 2x2 730 NTC
	3500	242 lm	230 lm/W	839 lm	221 lm/W	3310 lm	187 lm/W	7550-00471	Flexus 5050 HP G1 2x2 735
								7550-00567	Flexus 5050 HP G1 2x2 735 NTC
	4000	250 lm	237 lm/W	866 lm	229 lm/W	3417 lm	193 lm/W	7550-00472	Flexus 5050 HP G1 2x2 740
								7550-00568	Flexus 5050 HP G1 2x2 740 NTC
	5000	250 lm	237 lm/W	866 lm	229 lm/W	3417 lm	193 lm/W	7550-00473	Flexus 5050 HP G1 2x2 750
								7550-00569	Flexus 5050 HP G1 2x2 750 NTC
	5700	250 lm	237 lm/W	866 lm	229 lm/W	3417 lm	193 lm/W	7550-00474	Flexus 5050 HP G1 2x2 757
								7550-00570	Flexus 5050 HP G1 2x2 757 NTC
	6500	246 lm	233 lm/W	851 lm	225 lm/W	3360 lm	190 lm/W	7550-00475	Flexus 5050 HP G1 2x2 765
								7550-00571	Flexus 5050 HP G1 2x2 765 NTC

Up to
3417 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥80	2200	182 lm	173 lm/W	631 lm	167 lm/W	2491 lm	141 lm/W	7550-00476	Flexus 5050 HP G1 2x2 822
								7550-00572	Flexus 5050 HP G1 2x2 822 NTC
	2700	212 lm	202 lm/W	736 lm	194 lm/W	2904 lm	164 lm/W	7550-00477	Flexus 5050 HP G1 2x2 827
								7550-00573	Flexus 5050 HP G1 2x2 827 NTC
	3000	221 lm	210 lm/W	765 lm	202 lm/W	3018 lm	171 lm/W	7550-00478	Flexus 5050 HP G1 2x2 830
								7550-00574	Flexus 5050 HP G1 2x2 830 NTC
	3500	227 lm	215 lm/W	786 lm	208 lm/W	3104 lm	176 lm/W	7550-00479	Flexus 5050 HP G1 2x2 835
								7550-00575	Flexus 5050 HP G1 2x2 835 NTC
	4000	233 lm	221 lm/W	808 lm	213 lm/W	3189 lm	181 lm/W	7550-00480	Flexus 5050 HP G1 2x2 840
								7550-00576	Flexus 5050 HP G1 2x2 840 NTC
	5000	233 lm	221 lm/W	808 lm	213 lm/W	3189 lm	181 lm/W	7550-00481	Flexus 5050 HP G1 2x2 850
								7550-00577	Flexus 5050 HP G1 2x2 850 NTC
	5700	233 lm	221 lm/W	808 lm	213 lm/W	3189 lm	181 lm/W	7550-00482	Flexus 5050 HP G1 2x2 857
								7550-00578	Flexus 5050 HP G1 2x2 857 NTC
	6500	230 lm	219 lm/W	799 lm	211 lm/W	3153 lm	179 lm/W	7550-00483	Flexus 5050 HP G1 2x2 865
								7550-00579	Flexus 5050 HP G1 2x2 865 NTC

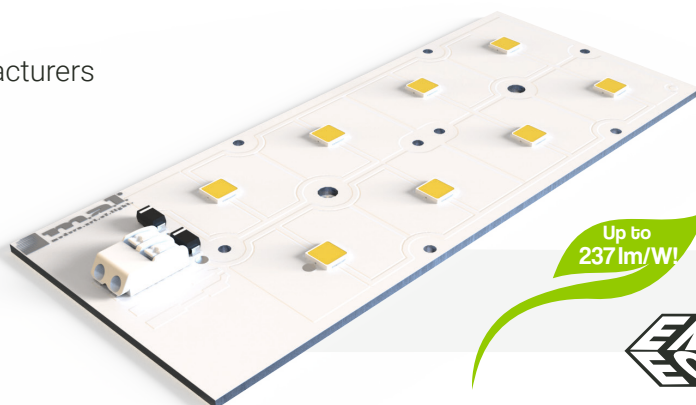
Up to
3189 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥90	2200	153 lm	146 lm/W	532 lm	140 lm/W	2100 lm	119 lm/W	7550-00484	Flexus 5050 HP G1 2x2 922
								7550-00580	Flexus 5050 HP G1 2x2 922 NTC
	2700	180 lm	171 lm/W	622 lm	164 lm/W	2456 lm	139 lm/W	7550-00485	Flexus 5050 HP G1 2x2 927
								7550-00581	Flexus 5050 HP G1 2x2 927 NTC
	3000	185 lm	175 lm/W	640 lm	169 lm/W	2527 lm	143 lm/W	7550-00486	Flexus 5050 HP G1 2x2 930
								7550-00582	Flexus 5050 HP G1 2x2 930 NTC
	3500	190 lm	180 lm/W	658 lm	174 lm/W	2598 lm	147 lm/W	7550-00487	Flexus 5050 HP G1 2x2 935
								7550-00583	Flexus 5050 HP G1 2x2 935 NTC
	4000	196 lm	186 lm/W	678 lm	179 lm/W	2677 lm	152 lm/W	7550-00488	Flexus 5050 HP G1 2x2 940
								7550-00584	Flexus 5050 HP G1 2x2 940 NTC
	5000	196 lm	186 lm/W	678 lm	179 lm/W	2677 lm	152 lm/W	7550-00489	Flexus 5050 HP G1 2x2 950
								7550-00585	Flexus 5050 HP G1 2x2 950 NTC
	5700	196 lm	186 lm/W	678 lm	179 lm/W	2677 lm	152 lm/W	7550-00490	Flexus 5050 HP G1 2x2 957
								7550-00586	Flexus 5050 HP G1 2x2 957 NTC
	6500	195 lm	185 lm/W	674 lm	178 lm/W	2662 lm	151 lm/W	7550-00491	Flexus 5050 HP G1 2x2 965
								7550-00587	Flexus 5050 HP G1 2x2 965 NTC

Up to
2677 lm!

Flexus 5050 HP 2x4 – LED-modules for street- and outdoor-lighting

- ✓ 8 high performance high-power-LEDs
- ✓ square module for installation in luminaires
- ✓ designed for 2x2 optics from various manufacturers
- ✓ pitch distance along and across 25 mm
- ✓ length 121 mm
- ✓ width 50 mm
- ✓ aluminium core PCB for perfect thermal management
- ✓ rated current 350 mA
- ✓ maximum operating current 1500 mA
- ✓ maximum forward voltage 24.5 V



Flexus 5050 HP G1 2x4 ... NTC

- ✓ 4 connection terminals
- ✓ with NTC for temperature monitoring

Flexus 5050 HP G1 2x4 ...

- ✓ 2 connection terminals

Please also refer to the technical data of the Flexus 5050 HP-Family on page 6. Further technical data and drawings from page 16.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥70	2200	395 lm	188 lm/W	1370 lm	181 lm/W	5410 lm	153 lm/W	7550-00492	Flexus 5050 HP G1 2x4 722
								7550-00588	Flexus 5050 HP G1 2x4 722 NTC
	2700	455 lm	216 lm/W	1576 lm	208 lm/W	6221 lm	176 lm/W	7550-00493	Flexus 5050 HP G1 2x4 727
								7550-00589	Flexus 5050 HP G1 2x4 727 NTC
	3000	480 lm	228 lm/W	1663 lm	220 lm/W	6563 lm	186 lm/W	7550-00494	Flexus 5050 HP G1 2x4 730
								7550-00590	Flexus 5050 HP G1 2x4 730 NTC
	3500	484 lm	230 lm/W	1677 lm	221 lm/W	6620 lm	187 lm/W	7550-00495	Flexus 5050 HP G1 2x4 735
								7550-00591	Flexus 5050 HP G1 2x4 735 NTC
	4000	499 lm	237 lm/W	1731 lm	229 lm/W	6834 lm	193 lm/W	7550-00496	Flexus 5050 HP G1 2x4 740
								7550-00592	Flexus 5050 HP G1 2x4 740 NTC
	5000	499 lm	237 lm/W	1731 lm	229 lm/W	6834 lm	193 lm/W	7550-00497	Flexus 5050 HP G1 2x4 750
								7550-00593	Flexus 5050 HP G1 2x4 750 NTC
	5700	499 lm	237 lm/W	1731 lm	229 lm/W	6834 lm	193 lm/W	7550-00498	Flexus 5050 HP G1 2x4 757
								7550-00594	Flexus 5050 HP G1 2x4 757 NTC
	6500	491 lm	233 lm/W	1702 lm	225 lm/W	6720 lm	190 lm/W	7550-00499	Flexus 5050 HP G1 2x4 765
								7550-00595	Flexus 5050 HP G1 2x4 765 NTC

Up to
6834 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥80	2200	364 lm	173 lm/W	1262 lm	167 lm/W	4983 lm	141 lm/W	7550-00500	Flexus 5050 HP G1 2x4 822
								7550-00596	Flexus 5050 HP G1 2x4 822 NTC
	2700	425 lm	202 lm/W	1471 lm	194 lm/W	5809 lm	164 lm/W	7550-00501	Flexus 5050 HP G1 2x4 827
								7550-00597	Flexus 5050 HP G1 2x4 827 NTC
	3000	441 lm	210 lm/W	1529 lm	202 lm/W	6036 lm	171 lm/W	7550-00502	Flexus 5050 HP G1 2x4 830
								7550-00598	Flexus 5050 HP G1 2x4 830 NTC
	3500	454 lm	215 lm/W	1572 lm	208 lm/W	6207 lm	176 lm/W	7550-00503	Flexus 5050 HP G1 2x4 835
								7550-00599	Flexus 5050 HP G1 2x4 835 NTC
	4000	466 lm	221 lm/W	1616 lm	213 lm/W	6378 lm	181 lm/W	7550-00504	Flexus 5050 HP G1 2x4 840
								7550-00600	Flexus 5050 HP G1 2x4 840 NTC
	5000	466 lm	221 lm/W	1616 lm	213 lm/W	6378 lm	181 lm/W	7550-00505	Flexus 5050 HP G1 2x4 850
								7550-00601	Flexus 5050 HP G1 2x4 850 NTC
	5700	466 lm	221 lm/W	1616 lm	213 lm/W	6378 lm	181 lm/W	7550-00506	Flexus 5050 HP G1 2x4 857
								7550-00602	Flexus 5050 HP G1 2x4 857 NTC
	6500	461 lm	219 lm/W	1598 lm	211 lm/W	6307 lm	179 lm/W	7550-00507	Flexus 5050 HP G1 2x4 865
								7550-00603	Flexus 5050 HP G1 2x4 865 NTC

Up to
6378 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥90	2200	307 lm	146 lm/W	1064 lm	140 lm/W	4200 lm	119 lm/W	7550-00508	Flexus 5050 HP G1 2x4 922
								7550-00604	Flexus 5050 HP G1 2x4 922 NTC
	2700	359 lm	171 lm/W	1244 lm	164 lm/W	4912 lm	139 lm/W	7550-00509	Flexus 5050 HP G1 2x4 927
								7550-00605	Flexus 5050 HP G1 2x4 927 NTC
	3000	369 lm	175 lm/W	1280 lm	169 lm/W	5054 lm	143 lm/W	7550-00510	Flexus 5050 HP G1 2x4 930
								7550-00606	Flexus 5050 HP G1 2x4 930 NTC
	3500	380 lm	180 lm/W	1316 lm	174 lm/W	5196 lm	147 lm/W	7550-00511	Flexus 5050 HP G1 2x4 935
								7550-00607	Flexus 5050 HP G1 2x4 935 NTC
	4000	391 lm	186 lm/W	1356 lm	179 lm/W	5353 lm	152 lm/W	7550-00512	Flexus 5050 HP G1 2x4 940
								7550-00608	Flexus 5050 HP G1 2x4 940 NTC
	5000	391 lm	186 lm/W	1356 lm	179 lm/W	5353 lm	152 lm/W	7550-00513	Flexus 5050 HP G1 2x4 950
								7550-00609	Flexus 5050 HP G1 2x4 950 NTC
	5700	391 lm	186 lm/W	1356 lm	179 lm/W	5353 lm	152 lm/W	7550-00514	Flexus 5050 HP G1 2x4 957
								7550-00610	Flexus 5050 HP G1 2x4 957 NTC
	6500	389 lm	185 lm/W	1349 lm	178 lm/W	5325 lm	151 lm/W	7550-00515	Flexus 5050 HP G1 2x4 965
								7550-00611	Flexus 5050 HP G1 2x4 965 NTC

Up to
5353 lm!

Flexus 5050 HP 2x6 – LED-modules for street- and outdoor-lighting

- ✓ 12 high performance high-power-LEDs
- ✓ square module for installation in luminaires
- ✓ designed for 2x2 optics from various manufacturers
- ✓ pitch distance along and across 25 mm
- ✓ length 172 mm
- ✓ width 50 mm
- ✓ aluminium core PCB for perfect thermal management
- ✓ rated current 350 mA
- ✓ maximum operating current 1500 mA
- ✓ maximum forward voltage 36.8 V



Flexus 5050 HP G1 2x6 ... NTC

- ✓ 4 connection terminals
- ✓ with NTC for temperature monitoring

Flexus 5050 HP G1 2x6 ...

- ✓ 2 connection terminals

Please also refer to the technical data of the Flexus 5050 HP-Family on page 6. Further technical data and drawings from page 16.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥70	2200	593 lm	188 lm/W	2056 lm	181 lm/W	8115 lm	153 lm/W	7550-00516	Flexus 5050 HP G1 2x6 722
								7550-00612	Flexus 5050 HP G1 2x6 722 NTC
	2700	682 lm	216 lm/W	2364 lm	208 lm/W	9332 lm	176 lm/W	7550-00517	Flexus 5050 HP G1 2x6 727
								7550-00613	Flexus 5050 HP G1 2x6 727 NTC
	3000	720 lm	228 lm/W	2494 lm	220 lm/W	9845 lm	186 lm/W	7550-00518	Flexus 5050 HP G1 2x6 730
								7550-00614	Flexus 5050 HP G1 2x6 730 NTC
	3500	726 lm	230 lm/W	2516 lm	221 lm/W	9930 lm	187 lm/W	7550-00519	Flexus 5050 HP G1 2x6 735
								7550-00615	Flexus 5050 HP G1 2x6 735 NTC
	4000	749 lm	237 lm/W	2597 lm	229 lm/W	10250 lm	193 lm/W	7550-00520	Flexus 5050 HP G1 2x6 740
								7550-00616	Flexus 5050 HP G1 2x6 740 NTC
	5000	749 lm	237 lm/W	2597 lm	229 lm/W	10250 lm	193 lm/W	7550-00521	Flexus 5050 HP G1 2x6 750
								7550-00617	Flexus 5050 HP G1 2x6 750 NTC
	5700	749 lm	237 lm/W	2597 lm	229 lm/W	10250 lm	193 lm/W	7550-00522	Flexus 5050 HP G1 2x6 757
								7550-00618	Flexus 5050 HP G1 2x6 757 NTC
	6500	737 lm	233 lm/W	2553 lm	225 lm/W	10080 lm	190 lm/W	7550-00523	Flexus 5050 HP G1 2x6 765
								7550-00619	Flexus 5050 HP G1 2x6 765 NTC



CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥80	2200	546 lm	173 lm/W	1893 lm	167 lm/W	7474 lm	141 lm/W	7550-00524	Flexus 5050 HP G1 2x6 822
								7550-00620	Flexus 5050 HP G1 2x6 822 NTC
	2700	637 lm	202 lm/W	2207 lm	194 lm/W	8713 lm	164 lm/W	7550-00525	Flexus 5050 HP G1 2x6 827
								7550-00621	Flexus 5050 HP G1 2x6 827 NTC
	3000	662 lm	210 lm/W	2294 lm	202 lm/W	9055 lm	171 lm/W	7550-00526	Flexus 5050 HP G1 2x6 830
								7550-00622	Flexus 5050 HP G1 2x6 830 NTC
	3500	681 lm	215 lm/W	2359 lm	208 lm/W	9311 lm	176 lm/W	7550-00527	Flexus 5050 HP G1 2x6 835
								7550-00623	Flexus 5050 HP G1 2x6 835 NTC
	4000	699 lm	221 lm/W	2424 lm	213 lm/W	9567 lm	181 lm/W	7550-00528	Flexus 5050 HP G1 2x6 840
								7550-00624	Flexus 5050 HP G1 2x6 840 NTC
	5000	699 lm	221 lm/W	2424 lm	213 lm/W	9567 lm	181 lm/W	7550-00529	Flexus 5050 HP G1 2x6 850
								7550-00625	Flexus 5050 HP G1 2x6 850 NTC
	5700	699 lm	221 lm/W	2424 lm	213 lm/W	9567 lm	181 lm/W	7550-00530	Flexus 5050 HP G1 2x6 857
								7550-00626	Flexus 5050 HP G1 2x6 857 NTC
	6500	691 lm	219 lm/W	2397 lm	211 lm/W	9460 lm	179 lm/W	7550-00531	Flexus 5050 HP G1 2x6 865
								7550-00627	Flexus 5050 HP G1 2x6 865 NTC

Up to
9567 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥90	2200	460 lm	146 lm/W	1596 lm	140 lm/W	6300 lm	119 lm/W	7550-00532	Flexus 5050 HP G1 2x6 922
								7550-00628	Flexus 5050 HP G1 2x6 922 NTC
	2700	539 lm	171 lm/W	1866 lm	164 lm/W	7367 lm	139 lm/W	7550-00533	Flexus 5050 HP G1 2x6 927
								7550-00629	Flexus 5050 HP G1 2x6 927 NTC
	3000	554 lm	175 lm/W	1920 lm	169 lm/W	7581 lm	143 lm/W	7550-00534	Flexus 5050 HP G1 2x6 930
								7550-00630	Flexus 5050 HP G1 2x6 930 NTC
	3500	570 lm	180 lm/W	1975 lm	174 lm/W	7795 lm	147 lm/W	7550-00535	Flexus 5050 HP G1 2x6 935
								7550-00631	Flexus 5050 HP G1 2x6 935 NTC
	4000	587 lm	186 lm/W	2034 lm	179 lm/W	8030 lm	152 lm/W	7550-00536	Flexus 5050 HP G1 2x6 940
								7550-00632	Flexus 5050 HP G1 2x6 940 NTC
	5000	587 lm	186 lm/W	2034 lm	179 lm/W	8030 lm	152 lm/W	7550-00537	Flexus 5050 HP G1 2x6 950
								7550-00633	Flexus 5050 HP G1 2x6 950 NTC
	5700	587 lm	186 lm/W	2034 lm	179 lm/W	8030 lm	152 lm/W	7550-00538	Flexus 5050 HP G1 2x6 957
								7550-00634	Flexus 5050 HP G1 2x6 957 NTC
	6500	584 lm	185 lm/W	2023 lm	178 lm/W	7987 lm	151 lm/W	7550-00539	Flexus 5050 HP G1 2x6 965
								7550-00635	Flexus 5050 HP G1 2x6 965 NTC

Up to
8030 lm!

Flexus 5050 HP 2x8 – LED-modules for street- and outdoor-lighting

- ✓ 16 high performance high-power-LEDs
- ✓ square module for installation in luminaires
- ✓ designed for 2x2 optics from various manufacturers
- ✓ pitch distance along and across 25 mm
- ✓ length 223 mm
- ✓ width 50 mm
- ✓ aluminium core PCB for perfect thermal management
- ✓ rated current 350 mA
- ✓ maximum operating current 1500 mA
- ✓ maximum forward voltage 49.0 V



Flexus 5050 HP G1 2x8 ... NTC

- ✓ 4 connection terminals
- ✓ with NTC for temperature monitoring

Flexus 5050 HP G1 2x8 ...

- ✓ 2 connection terminals

Please also refer to the technical data of the Flexus 5050 HP-Family on page 6. Further technical data and drawings from page 16.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥70	2200	791 lm	188 lm/W	2741 lm	181 lm/W	10820 lm	153 lm/W	7550-00540	Flexus 5050 HP G1 2x8 722
								7550-00636	Flexus 5050 HP G1 2x8 722 NTC
	2700	910 lm	216 lm/W	3152 lm	208 lm/W	12443 lm	176 lm/W	7550-00541	Flexus 5050 HP G1 2x8 727
								7550-00637	Flexus 5050 HP G1 2x8 727 NTC
	3000	959 lm	228 lm/W	3325 lm	220 lm/W	13126 lm	186 lm/W	7550-00542	Flexus 5050 HP G1 2x8 730
								7550-00638	Flexus 5050 HP G1 2x8 730 NTC
	3500	968 lm	230 lm/W	3354 lm	221 lm/W	13240 lm	187 lm/W	7550-00543	Flexus 5050 HP G1 2x8 735
								7550-00639	Flexus 5050 HP G1 2x8 735 NTC
	4000	999 lm	237 lm/W	3462 lm	229 lm/W	13667 lm	193 lm/W	7550-00544	Flexus 5050 HP G1 2x8 740
								7550-00640	Flexus 5050 HP G1 2x8 740 NTC
	5000	999 lm	237 lm/W	3462 lm	229 lm/W	13667 lm	193 lm/W	7550-00545	Flexus 5050 HP G1 2x8 750
								7550-00641	Flexus 5050 HP G1 2x8 750 NTC
	5700	999 lm	237 lm/W	3462 lm	229 lm/W	13667 lm	193 lm/W	7550-00546	Flexus 5050 HP G1 2x8 757
								7550-00642	Flexus 5050 HP G1 2x8 757 NTC
	6500	982 lm	233 lm/W	3405 lm	225 lm/W	13439 lm	190 lm/W	7550-00547	Flexus 5050 HP G1 2x8 765
								7550-00643	Flexus 5050 HP G1 2x8 765 NTC



CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥80	2200	728 lm	173 lm/W	2525 lm	167 lm/W	9966 lm	141 lm/W	7550-00548	Flexus 5050 HP G1 2x8 822
								7550-00644	Flexus 5050 HP G1 2x8 822 NTC
	2700	849 lm	202 lm/W	2943 lm	194 lm/W	11617 lm	164 lm/W	7550-00549	Flexus 5050 HP G1 2x8 827
								7550-00645	Flexus 5050 HP G1 2x8 827 NTC
	3000	882 lm	210 lm/W	3058 lm	202 lm/W	12073 lm	171 lm/W	7550-00550	Flexus 5050 HP G1 2x8 830
								7550-00646	Flexus 5050 HP G1 2x8 830 NTC
	3500	907 lm	215 lm/W	3145 lm	208 lm/W	12414 lm	176 lm/W	7550-00551	Flexus 5050 HP G1 2x8 835
								7550-00647	Flexus 5050 HP G1 2x8 835 NTC
	4000	932 lm	221 lm/W	3231 lm	213 lm/W	12756 lm	181 lm/W	7550-00552	Flexus 5050 HP G1 2x8 840
								7550-00648	Flexus 5050 HP G1 2x8 840 NTC
	5000	932 lm	221 lm/W	3231 lm	213 lm/W	12756 lm	181 lm/W	7550-00553	Flexus 5050 HP G1 2x8 850
								7550-00649	Flexus 5050 HP G1 2x8 850 NTC
	5700	932 lm	221 lm/W	3231 lm	213 lm/W	12756 lm	181 lm/W	7550-00554	Flexus 5050 HP G1 2x8 857
								7550-00650	Flexus 5050 HP G1 2x8 857 NTC
	6500	922 lm	219 lm/W	3195 lm	211 lm/W	12614 lm	179 lm/W	7550-00555	Flexus 5050 HP G1 2x8 865
								7550-00651	Flexus 5050 HP G1 2x8 865 NTC

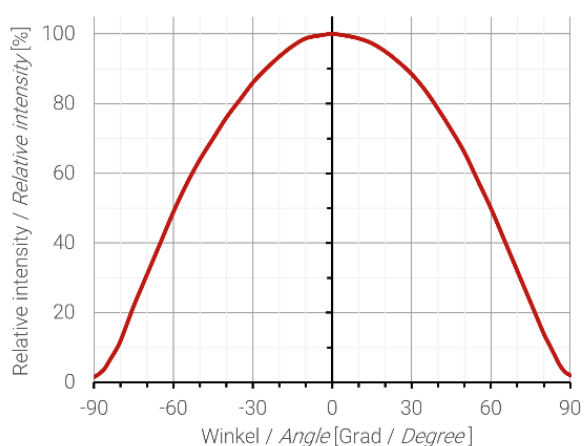
Up to
12756 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥90	2200	614 lm	146 lm/W	2128 lm	140 lm/W	8400 lm	119 lm/W	7550-00556	Flexus 5050 HP G1 2x8 922
								7550-00652	Flexus 5050 HP G1 2x8 922 NTC
	2700	718 lm	171 lm/W	2488 lm	164 lm/W	9823 lm	139 lm/W	7550-00557	Flexus 5050 HP G1 2x8 927
								7550-00653	Flexus 5050 HP G1 2x8 927 NTC
	3000	739 lm	175 lm/W	2561 lm	169 lm/W	10108 lm	143 lm/W	7550-00558	Flexus 5050 HP G1 2x8 930
								7550-00654	Flexus 5050 HP G1 2x8 930 NTC
	3500	760 lm	180 lm/W	2633 lm	174 lm/W	10393 lm	147 lm/W	7550-00559	Flexus 5050 HP G1 2x8 935
								7550-00655	Flexus 5050 HP G1 2x8 935 NTC
	4000	783 lm	186 lm/W	2712 lm	179 lm/W	10706 lm	152 lm/W	7550-00560	Flexus 5050 HP G1 2x8 940
								7550-00656	Flexus 5050 HP G1 2x8 940 NTC
	5000	783 lm	186 lm/W	2712 lm	179 lm/W	10706 lm	152 lm/W	7550-00561	Flexus 5050 HP G1 2x8 950
								7550-00657	Flexus 5050 HP G1 2x8 950 NTC
	5700	783 lm	186 lm/W	2712 lm	179 lm/W	10706 lm	152 lm/W	7550-00562	Flexus 5050 HP G1 2x8 957
								7550-00658	Flexus 5050 HP G1 2x8 957 NTC
	6500	778 lm	185 lm/W	2698 lm	178 lm/W	10649 lm	151 lm/W	7550-00563	Flexus 5050 HP G1 2x8 965
								7550-00659	Flexus 5050 HP G1 2x8 965 NTC

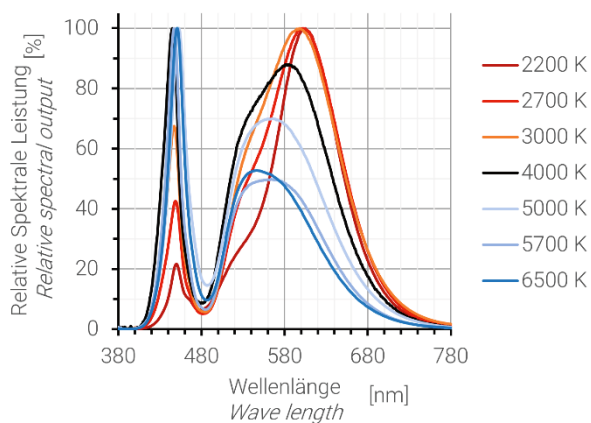
Up to
10706 lm!

Technical data: Flexus 5050 HP

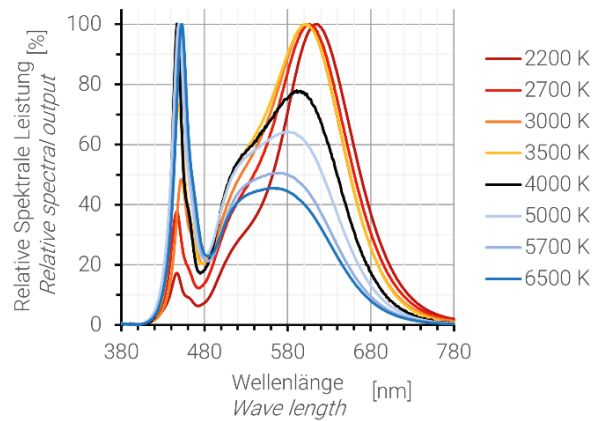
Light distribution curve



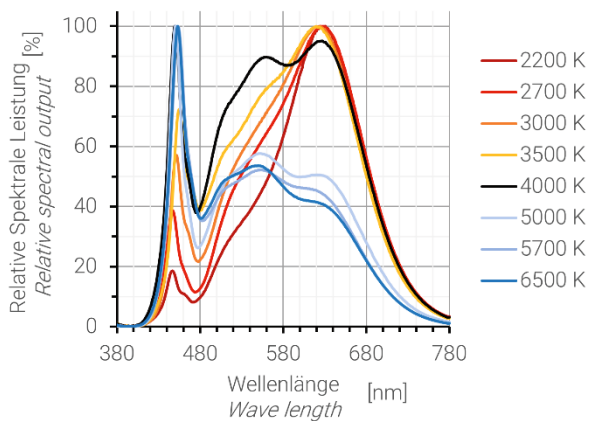
Spectrum 70



Spectrum 80



Spectrum 90



Lifetime of the used LEDs

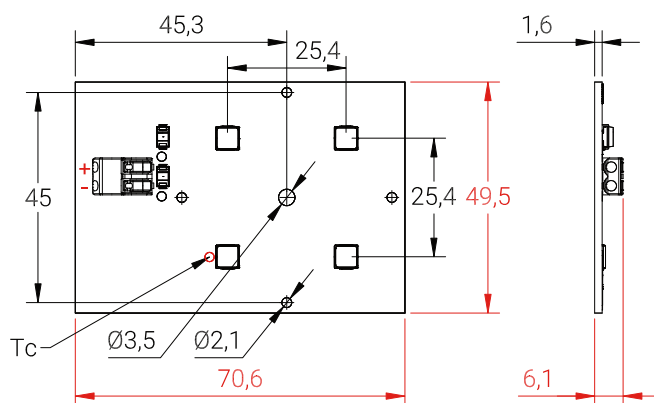
- The service life information is based on the TM21 extrapolations of the available LM80 data of the LEDs used. They are to be regarded as purely informative data from which no warranty claims can be derived.

description	If	Tc	L70 B50	L70 B10	L80 B50	L80 B10	L90 B50	L90 B10
Flexus 5050 HP G1 2x...	800 mA	55 °C	> 36.000 h	> 36.000 h	> 36.000 h	> 36.000 h	> 36.000 h	> 36.000 h
Flexus 5050 HP G1 2x... NTC	800 mA	85 °C	> 36.000 h	> 36.000 h	> 36.000 h	> 36.000 h	> 36.000 h	> 36.000 h

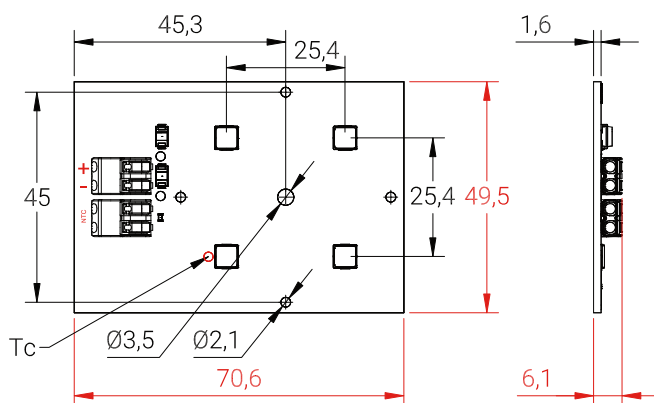
Technical drawings: Flexus 5050 HP

Flexus 5050 HP 2x2

Flexus 5050 HP G1 2x2

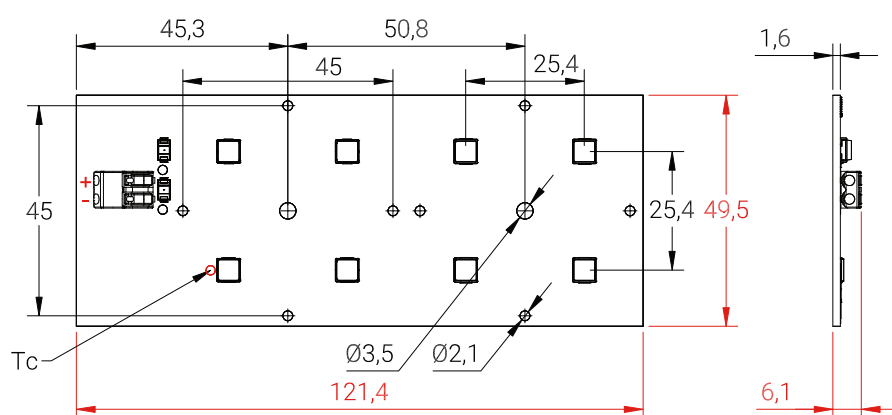


NTC

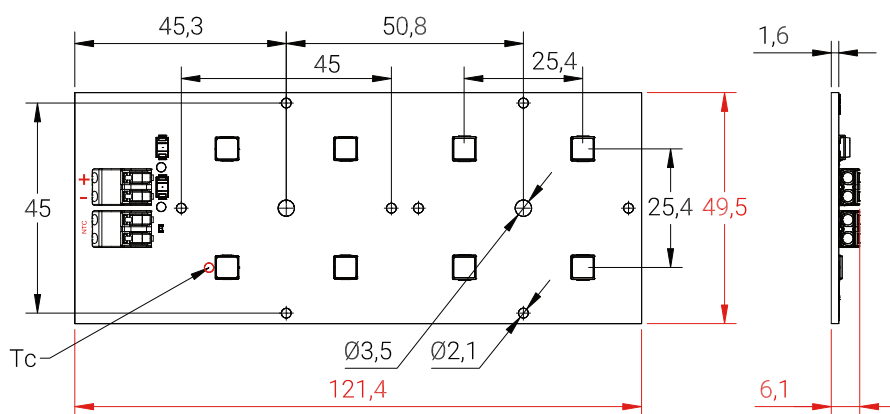


Flexus 5050 HP 2x4

Flexus 5050 HP G1 2x4

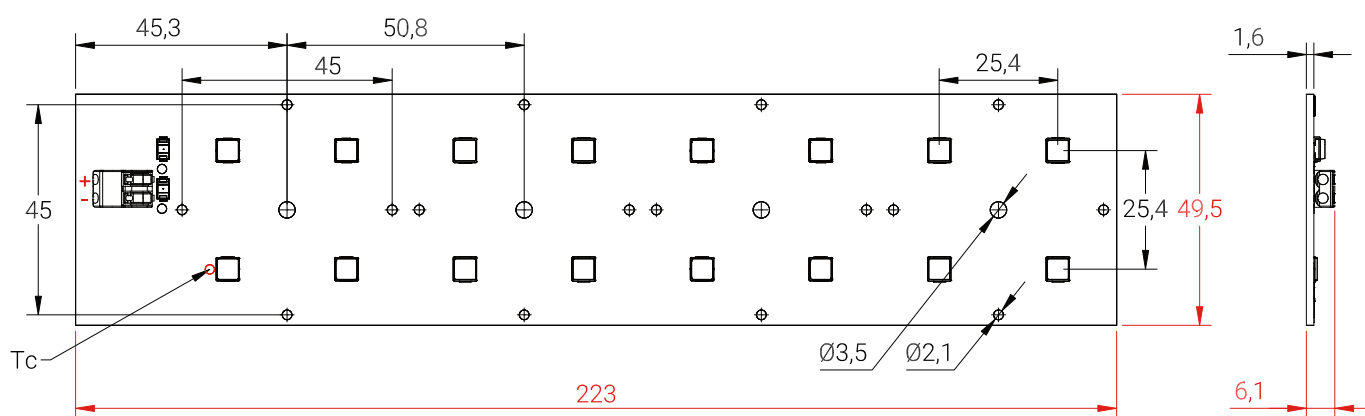


NTC

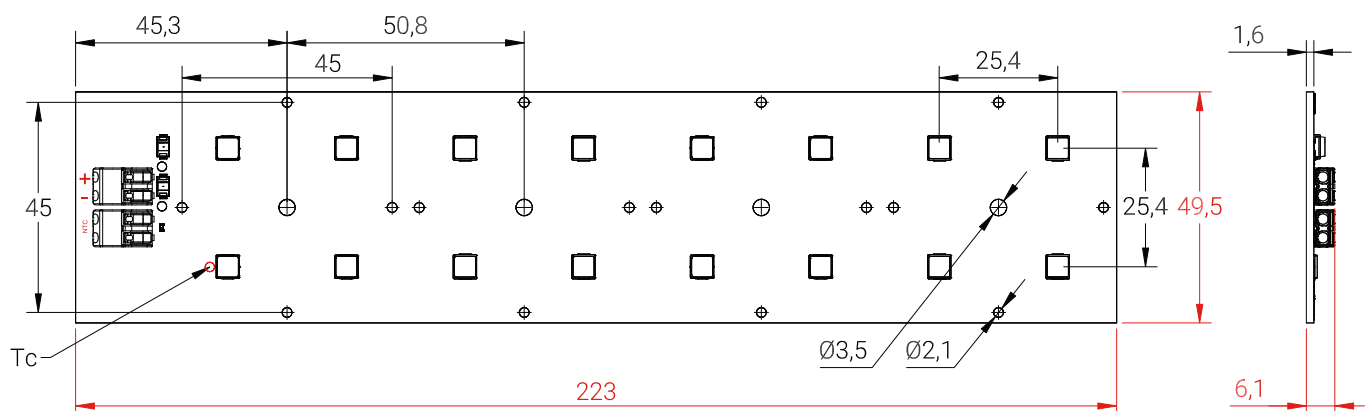


Flexus 5050 HP 2x8

Flexus 5050 HP G1 2x8



NTC



A nighttime photograph of a European-style street scene. The street is paved with cobblestones and reflects the warm light from the buildings and street lamps. On the left, a red building with a decorative gable and a small statue on top is visible. Next to it is a yellow building with a prominent arched window. Further right, a yellow building with a dark roof and a small dormer window is seen. On the far right, a light-colored building with classical architectural details is partially visible. Several street lamps are illuminated, casting a warm glow and creating starburst effects. The sky is a deep, clear blue.

Flexus 5050 PP — LED-modules for street- and outdoor-lighting

iX-led Flexus 5050 PricePerformance is a further development of the proven Flexus LED module family.

For the Flexus 5050 PP, we use an LED with an outstanding price-performance ratio. The result is impressive with up to 224 lm/W or 12700 lm.

We offer the Flexus 5050 PP with or without an NTC for temperature monitoring. When using several LED modules in a luminaire, a single module with temperature monitoring is usually sufficient. This enables you to design cost-efficient lighting systems.

The Flexus 5050 PP is available in four lengths with 2x2, 2x4, 2x6 and 2x8 LEDs. With CRI 70, CRI 80 and CRI 90, three color renderings are available. We also offer seven light colors in the range from 2700 K to 6500 K.

The Flexus 5050 PP is compatible with multiple optics from many manufacturers. This enables a high degree of flexibility in the lighting task. Far beyond the field of street lighting.

The family is rounded off by these LED modules:

Flexus 5050 HP	Flexus High Performance – It couldn't be better
Flexus 5050 CT	Extremely compact high-performance modules
Flexus HighPower	LED module with robust high-power LEDs
Flexus MidPower	Mid-power performance in a compact design
Flexus Color	Flexus in 11 colors from Far-Red bis Royal-Blue

Our iX-led standard modules are available at short notice, even in small quantities, and are very advantageous in the overall concept.

Standard does not mean rigid and unchangeable!

Do you need different light colors, different color renderings or minimally shorter/longer versions of the modules? You need the assembly of soldering nuts as spacers or a threaded insert for simplified mounting of the module? No problem. Other terminals or soldered cables are also possible. With the **iX-led product family** we can adapt and individualize the standard to your needs. Explore our exclusive module series with more than 1000 lighting possibilities.

LED module with high-power LEDs for installation in luminaires.

Compatible with optics from various manufacturers.

Versatile with:

✓ Square modules in 4 lengths: 71 mm, 121 mm, 172 mm and 223 mm x 50 mm

✓ 3 color renderings: CRI 70, CRI 80 and CRI 90

✓ 7 light colors: 2700 K, 3000 K, 3500 K, 4000 K, 5000 K, 5700 K and 6500 K

2-row LED arrangement.

Plug-in terminals for quick and easy installation.

2 variants: with and without NTC for temperature monitoring.

For operation with suitable constant current drivers.

Optimum thermal management through aluminium core PCB.

Maximum working voltage	250 V
Ambient temperature	-20... + 50 °C
Max. perm. operating temperature (Tc)	80 °C
EPREL database entry	yes
Beam angle	120°

Connections:

Terminals	2 / 4
Connection type	rigid / flexible
Conductor cross-section AWG	AWG 18-24
Conductor cross-section	min 0.2 mm ²
	max 0.75 mm ²
Stripping length	8 - 9 mm

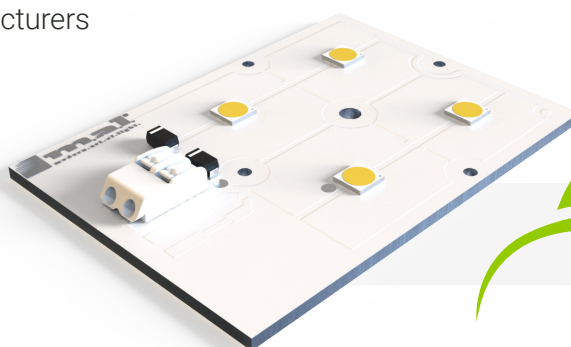
Did you already know? Our **Flexus 5050 PP-modules** are **ENEC-certified!**





Flexus 5050 PP 2x2 - LED-modules for street- and outdoor-lighting

- ✓ 4 high-power-LEDs
- ✓ square module for installation in luminaires
- ✓ designed for 2x2 optics from various manufacturers
- ✓ pitch distance along and across 25 mm
- ✓ length 71 mm
- ✓ width 50 mm
- ✓ aluminium core PCB for perfect thermal management
- ✓ rated current 350 mA
- ✓ maximum operating current 1500 mA
- ✓ maximum forward voltage 12.5 V



Up to
224 lm/W!



Flexus 5050 PP G1 2x2 ... NTC

- ✓ 4 connection terminals
- ✓ with NTC for temperature monitoring

Flexus 5050 PP G1 2x2 ...

- ✓ 2 connection terminals

Please also refer to the technical data of the Flexus 5050 PP-Family on page 24. Further technical data and drawings from page 34.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 200 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥70	2700	432 lm	203 lm/W	746 lm	197 lm/W	2883 lm	161 lm/W	7550-00300	Flexus 5050 PP G1 2x2 727
								7550-00384	Flexus 5050 PP G1 2x2 727 NTC
	3000	454 lm	213 lm/W	784 lm	207 lm/W	3030 lm	170 lm/W	7550-00301	Flexus 5050 PP G1 2x2 730
								7550-00385	Flexus 5050 PP G1 2x2 730 NTC
	3500	462 lm	217 lm/W	796 lm	210 lm/W	3079 lm	172 lm/W	7550-00302	Flexus 5050 PP G1 2x2 735
								7550-00386	Flexus 5050 PP G1 2x2 735 NTC
	4000	477 lm	224 lm/W	823 lm	217 lm/W	3184 lm	178 lm/W	7550-00303	Flexus 5050 PP G1 2x2 740
								7550-00387	Flexus 5050 PP G1 2x2 740 NTC
	5000	477 lm	224 lm/W	823 lm	217 lm/W	3184 lm	178 lm/W	7550-00304	Flexus 5050 PP G1 2x2 750
								7550-00388	Flexus 5050 PP G1 2x2 750 NTC
	5700	477 lm	224 lm/W	823 lm	217 lm/W	3184 lm	178 lm/W	7550-00305	Flexus 5050 PP G1 2x2 757
								7550-00389	Flexus 5050 PP G1 2x2 757 NTC
	6500	477 lm	224 lm/W	823 lm	217 lm/W	3184 lm	178 lm/W	7550-00306	Flexus 5050 PP G1 2x2 765
								7550-00390	Flexus 5050 PP G1 2x2 765 NTC

Up to
3184 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 200 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥80	2700	408 lm	192 lm/W	704 lm	186 lm/W	2722 lm	152 lm/W	7550-00307	Flexus 5050 PP G1 2x2 827
								7550-00391	Flexus 5050 PP G1 2x2 827 NTC
	3000	424 lm	199 lm/W	731 lm	193 lm/W	2827 lm	158 lm/W	7550-00308	Flexus 5050 PP G1 2x2 830
								7550-00392	Flexus 5050 PP G1 2x2 830 NTC
	3500	435 lm	205 lm/W	751 lm	198 lm/W	2904 lm	163 lm/W	7550-00309	Flexus 5050 PP G1 2x2 835
								7550-00393	Flexus 5050 PP G1 2x2 835 NTC
	4000	446 lm	210 lm/W	769 lm	203 lm/W	2974 lm	167 lm/W	7550-00310	Flexus 5050 PP G1 2x2 840
								7550-00394	Flexus 5050 PP G1 2x2 840 NTC
	5000	446 lm	210 lm/W	769 lm	203 lm/W	2974 lm	167 lm/W	7550-00311	Flexus 5050 PP G1 2x2 850
								7550-00395	Flexus 5050 PP G1 2x2 850 NTC
	5700	446 lm	210 lm/W	769 lm	203 lm/W	2974 lm	167 lm/W	7550-00312	Flexus 5050 PP G1 2x2 857
								7550-00396	Flexus 5050 PP G1 2x2 857 NTC
	6500	446 lm	210 lm/W	769 lm	203 lm/W	2974 lm	167 lm/W	7550-00313	Flexus 5050 PP G1 2x2 865
								7550-00397	Flexus 5050 PP G1 2x2 865 NTC

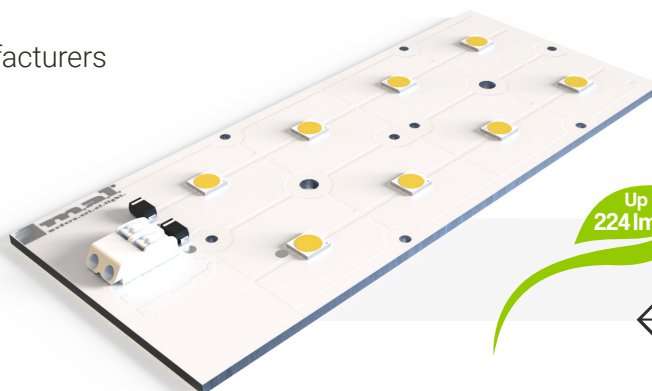
Up to
2974 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 200 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥90	2700	343 lm	161 lm/W	592 lm	156 lm/W	2288 lm	128 lm/W	7550-00314	Flexus 5050 PP G1 2x2 927
								7550-00398	Flexus 5050 PP G1 2x2 927 NTC
	3000	354 lm	166 lm/W	610 lm	161 lm/W	2358 lm	132 lm/W	7550-00315	Flexus 5050 PP G1 2x2 930
								7550-00399	Flexus 5050 PP G1 2x2 930 NTC
	3500	364 lm	171 lm/W	628 lm	166 lm/W	2428 lm	136 lm/W	7550-00316	Flexus 5050 PP G1 2x2 935
								7550-00400	Flexus 5050 PP G1 2x2 935 NTC
	4000	374 lm	176 lm/W	646 lm	170 lm/W	2498 lm	140 lm/W	7550-00317	Flexus 5050 PP G1 2x2 940
								7550-00401	Flexus 5050 PP G1 2x2 940 NTC
	5000	374 lm	176 lm/W	646 lm	170 lm/W	2498 lm	140 lm/W	7550-00318	Flexus 5050 PP G1 2x2 950
								7550-00402	Flexus 5050 PP G1 2x2 950 NTC
	5700	374 lm	176 lm/W	646 lm	170 lm/W	2498 lm	140 lm/W	7550-00319	Flexus 5050 PP G1 2x2 957
								7550-00403	Flexus 5050 PP G1 2x2 957 NTC
	6500	374 lm	176 lm/W	646 lm	170 lm/W	2498 lm	140 lm/W	7550-00320	Flexus 5050 PP G1 2x2 965
								7550-00404	Flexus 5050 PP G1 2x2 965 NTC

Up to
2498 lm!

Flexus 5050 PP 2x4 - LED-modules for street- and outdoor-lighting

- ✓ 8 high-power-LEDs
- ✓ square module for installation in luminaires
- ✓ designed for 2x2 optics from various manufacturers
- ✓ pitch distance along and across 25 mm
- ✓ length 121 mm
- ✓ width 50 mm
- ✓ aluminium core PCB for perfect thermal management
- ✓ rated current 350 mA
- ✓ maximum operating current 1500 mA
- ✓ maximum forward voltage 24.9 V



Up to
224 lm/W!



Flexus 5050 PP G1 2x4 ... NTC

- ✓ 4 connection terminals
- ✓ with NTC for temperature monitoring

Flexus 5050 PP G1 2x4 ...

- ✓ 2 connection terminals

Please also refer to the technical data of the Flexus 5050 PP-Family on page 24. Further technical data and drawings from page 34.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 200 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥70	2700	864 lm	203 lm/W	1491 lm	197 lm/W	5766 lm	161 lm/W	7550-00321	Flexus 5050 PP G1 2x4 727
								7550-00405	Flexus 5050 PP G1 2x4 727 NTC
	3000	908 lm	213 lm/W	1567 lm	207 lm/W	6060 lm	170 lm/W	7550-00322	Flexus 5050 PP G1 2x4 730
								7550-00406	Flexus 5050 PP G1 2x4 730 NTC
	3500	923 lm	217 lm/W	1592 lm	210 lm/W	6158 lm	172 lm/W	7550-00323	Flexus 5050 PP G1 2x4 735
								7550-00407	Flexus 5050 PP G1 2x4 735 NTC
	4000	955 lm	224 lm/W	1647 lm	217 lm/W	6368 lm	178 lm/W	7550-00324	Flexus 5050 PP G1 2x4 740
								7550-00408	Flexus 5050 PP G1 2x4 740 NTC
	5000	955 lm	224 lm/W	1647 lm	217 lm/W	6368 lm	178 lm/W	7550-00325	Flexus 5050 PP G1 2x4 750
								7550-00409	Flexus 5050 PP G1 2x4 750 NTC
	5700	955 lm	224 lm/W	1647 lm	217 lm/W	6368 lm	178 lm/W	7550-00326	Flexus 5050 PP G1 2x4 757
								7550-00410	Flexus 5050 PP G1 2x4 757 NTC
	6500	955 lm	224 lm/W	1647 lm	217 lm/W	6368 lm	178 lm/W	7550-00327	Flexus 5050 PP G1 2x4 765
								7550-00411	Flexus 5050 PP G1 2x4 765 NTC

Up to
6368 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 200 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥80	2700	816 lm	192 lm/W	1408 lm	186 lm/W	5444 lm	152 lm/W	7550-00328	Flexus 5050 PP G1 2x4 827
								7550-00412	Flexus 5050 PP G1 2x4 827 NTC
	3000	848 lm	199 lm/W	1462 lm	193 lm/W	5654 lm	158 lm/W	7550-00329	Flexus 5050 PP G1 2x4 830
								7550-00413	Flexus 5050 PP G1 2x4 830 NTC
	3500	871 lm	205 lm/W	1502 lm	198 lm/W	5808 lm	163 lm/W	7550-00330	Flexus 5050 PP G1 2x4 835
								7550-00414	Flexus 5050 PP G1 2x4 835 NTC
	4000	892 lm	210 lm/W	1538 lm	203 lm/W	5948 lm	167 lm/W	7550-00331	Flexus 5050 PP G1 2x4 840
								7550-00415	Flexus 5050 PP G1 2x4 840 NTC
	5000	892 lm	210 lm/W	1538 lm	203 lm/W	5948 lm	167 lm/W	7550-00332	Flexus 5050 PP G1 2x4 850
								7550-00416	Flexus 5050 PP G1 2x4 850 NTC
	5700	892 lm	210 lm/W	1538 lm	203 lm/W	5948 lm	167 lm/W	7550-00333	Flexus 5050 PP G1 2x4 857
								7550-00417	Flexus 5050 PP G1 2x4 857 NTC
	6500	892 lm	210 lm/W	1538 lm	203 lm/W	5948 lm	167 lm/W	7550-00334	Flexus 5050 PP G1 2x4 865
								7550-00418	Flexus 5050 PP G1 2x4 865 NTC

Up to
5948 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 200 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥90	2700	686 lm	161 lm/W	1183 lm	156 lm/W	4577 lm	128 lm/W	7550-00335	Flexus 5050 PP G1 2x4 927
								7550-00419	Flexus 5050 PP G1 2x4 927 NTC
	3000	707 lm	166 lm/W	1220 lm	161 lm/W	4717 lm	132 lm/W	7550-00336	Flexus 5050 PP G1 2x4 930
								7550-00420	Flexus 5050 PP G1 2x4 930 NTC
	3500	728 lm	171 lm/W	1256 lm	166 lm/W	4857 lm	136 lm/W	7550-00337	Flexus 5050 PP G1 2x4 935
								7550-00421	Flexus 5050 PP G1 2x4 935 NTC
	4000	749 lm	176 lm/W	1292 lm	170 lm/W	4997 lm	140 lm/W	7550-00338	Flexus 5050 PP G1 2x4 940
								7550-00422	Flexus 5050 PP G1 2x4 940 NTC
	5000	749 lm	176 lm/W	1292 lm	170 lm/W	4997 lm	140 lm/W	7550-00339	Flexus 5050 PP G1 2x4 950
								7550-00423	Flexus 5050 PP G1 2x4 950 NTC
	5700	749 lm	176 lm/W	1292 lm	170 lm/W	4997 lm	140 lm/W	7550-00340	Flexus 5050 PP G1 2x4 957
								7550-00424	Flexus 5050 PP G1 2x4 957 NTC
	6500	749 lm	176 lm/W	1292 lm	170 lm/W	4997 lm	140 lm/W	7550-00341	Flexus 5050 PP G1 2x4 965
								7550-00425	Flexus 5050 PP G1 2x4 965 NTC

Up to
4997 lm!

Flexus 5050 PP 2x6 - LED-modules for street- and outdoor-lighting

- ✓ 12 high-power-LEDs
- ✓ square module for installation in luminaires
- ✓ designed for 2x2 optics from various manufacturers
- ✓ pitch distance along and across 25 mm
- ✓ length 172 mm
- ✓ width 50 mm
- ✓ aluminium core PCB for perfect thermal management
- ✓ rated current 350 mA
- ✓ maximum operating current 1500 mA
- ✓ maximum forward voltage 37.4 V



Flexus 5050 PP G1 2x6 ... NTC

- ✓ 4 connection terminals
- ✓ with NTC for temperature monitoring

Flexus 5050 PP G1 2x6 ...

- ✓ 2 connection terminals

Please also refer to the technical data of the Flexus 5050 PP-Family on page 24. Further technical data and drawings from page 34.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 200 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥70	2700	1297 lm	203 lm/W	2237 lm	197 lm/W	8650 lm	161 lm/W	7550-00342	Flexus 5050 PP G1 2x6 727
								7550-00426	Flexus 5050 PP G1 2x6 727 NTC
	3000	1363 lm	213 lm/W	2351 lm	207 lm/W	9090 lm	170 lm/W	7550-00343	Flexus 5050 PP G1 2x6 730
								7550-00427	Flexus 5050 PP G1 2x6 730 NTC
	3500	1385 lm	217 lm/W	2389 lm	210 lm/W	9237 lm	172 lm/W	7550-00344	Flexus 5050 PP G1 2x6 735
								7550-00428	Flexus 5050 PP G1 2x6 735 NTC
	4000	1432 lm	224 lm/W	2470 lm	217 lm/W	9552 lm	178 lm/W	7550-00345	Flexus 5050 PP G1 2x6 740
								7550-00429	Flexus 5050 PP G1 2x6 740 NTC
	5000	1432 lm	224 lm/W	2470 lm	217 lm/W	9552 lm	178 lm/W	7550-00346	Flexus 5050 PP G1 2x6 750
								7550-00430	Flexus 5050 PP G1 2x6 750 NTC
	5700	1432 lm	224 lm/W	2470 lm	217 lm/W	9552 lm	178 lm/W	7550-00347	Flexus 5050 PP G1 2x6 757
								7550-00431	Flexus 5050 PP G1 2x6 757 NTC
	6500	1432 lm	224 lm/W	2470 lm	217 lm/W	9552 lm	178 lm/W	7550-00348	Flexus 5050 PP G1 2x6 765
								7550-00432	Flexus 5050 PP G1 2x6 765 NTC



CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 200 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥80	2700	1224 lm	192 lm/W	2112 lm	186 lm/W	8167 lm	152 lm/W	7550-00349	Flexus 5050 PP G1 2x6 827
								7550-00433	Flexus 5050 PP G1 2x6 827 NTC
	3000	1271 lm	199 lm/W	2193 lm	193 lm/W	8482 lm	158 lm/W	7550-00350	Flexus 5050 PP G1 2x6 830
								7550-00434	Flexus 5050 PP G1 2x6 830 NTC
	3500	1306 lm	205 lm/W	2253 lm	198 lm/W	8712 lm	163 lm/W	7550-00351	Flexus 5050 PP G1 2x6 835
								7550-00435	Flexus 5050 PP G1 2x6 835 NTC
	4000	1337 lm	210 lm/W	2307 lm	203 lm/W	8922 lm	167 lm/W	7550-00352	Flexus 5050 PP G1 2x6 840
								7550-00436	Flexus 5050 PP G1 2x6 840 NTC
	5000	1337 lm	210 lm/W	2307 lm	203 lm/W	8922 lm	167 lm/W	7550-00353	Flexus 5050 PP G1 2x6 850
								7550-00437	Flexus 5050 PP G1 2x6 850 NTC
	5700	1337 lm	210 lm/W	2307 lm	203 lm/W	8922 lm	167 lm/W	7550-00354	Flexus 5050 PP G1 2x6 857
								7550-00438	Flexus 5050 PP G1 2x6 857 NTC
	6500	1337 lm	210 lm/W	2307 lm	203 lm/W	8922 lm	167 lm/W	7550-00355	Flexus 5050 PP G1 2x6 865
								7550-00439	Flexus 5050 PP G1 2x6 865 NTC

Up to
8922 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 200 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥90	2700	1029 lm	161 lm/W	1775 lm	156 lm/W	6865 lm	128 lm/W	7550-00356	Flexus 5050 PP G1 2x6 927
								7550-00440	Flexus 5050 PP G1 2x6 927 NTC
	3000	1061 lm	166 lm/W	1829 lm	161 lm/W	7075 lm	132 lm/W	7550-00357	Flexus 5050 PP G1 2x6 930
								7550-00441	Flexus 5050 PP G1 2x6 930 NTC
	3500	1092 lm	171 lm/W	1884 lm	166 lm/W	7285 lm	136 lm/W	7550-00358	Flexus 5050 PP G1 2x6 935
								7550-00442	Flexus 5050 PP G1 2x6 935 NTC
	4000	1123 lm	176 lm/W	1938 lm	170 lm/W	7495 lm	140 lm/W	7550-00359	Flexus 5050 PP G1 2x6 940
								7550-00443	Flexus 5050 PP G1 2x6 940 NTC
	5000	1123 lm	176 lm/W	1938 lm	170 lm/W	7495 lm	140 lm/W	7550-00360	Flexus 5050 PP G1 2x6 950
								7550-00444	Flexus 5050 PP G1 2x6 950 NTC
	5700	1123 lm	176 lm/W	1938 lm	170 lm/W	7495 lm	140 lm/W	7550-00361	Flexus 5050 PP G1 2x6 957
								7550-00445	Flexus 5050 PP G1 2x6 957 NTC
	6500	1123 lm	176 lm/W	1938 lm	170 lm/W	7495 lm	140 lm/W	7550-00362	Flexus 5050 PP G1 2x6 965
								7550-00446	Flexus 5050 PP G1 2x6 965 NTC

Up to
7495 lm!

Flexus 5050 PP 2x8 - LED-modules for street- and outdoor-lighting

- ✓ 16 high-power-LEDs
- ✓ square module for installation in luminaires
- ✓ designed for 2x2 optics from various manufacturers
- ✓ pitch distance along and across 25 mm
- ✓ length 223 mm
- ✓ width 50 mm
- ✓ aluminium core PCB for perfect thermal management
- ✓ rated current 350 mA
- ✓ maximum operating current 1500 mA
- ✓ maximum forward voltage 49.9 V



Flexus 5050 PP G1 2x8 ... NTC

- ✓ 4 connection terminals
- ✓ with NTC for temperature monitoring

Flexus 5050 PP G1 2x8 ...

- ✓ 2 connection terminals

Please also refer to the technical data of the Flexus 5050 PP-Family on page 24. Further technical data and drawings from page 34.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 200 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥70	2700	1729 lm	203 lm/W	2982 lm	197 lm/W	11533 lm	161 lm/W	7550-00363	Flexus 5050 PP G1 2x8 727
								7550-00447	Flexus 5050 PP G1 2x8 727 NTC
	3000	1817 lm	213 lm/W	3134 lm	207 lm/W	12121 lm	170 lm/W	7550-00364	Flexus 5050 PP G1 2x8 730
								7550-00448	Flexus 5050 PP G1 2x8 730 NTC
	3500	1846 lm	217 lm/W	3185 lm	210 lm/W	12316 lm	172 lm/W	7550-00365	Flexus 5050 PP G1 2x8 735
								7550-00449	Flexus 5050 PP G1 2x8 735 NTC
	4000	1909 lm	224 lm/W	3293 lm	217 lm/W	12736 lm	178 lm/W	7550-00366	Flexus 5050 PP G1 2x8 740
								7550-00450	Flexus 5050 PP G1 2x8 740 NTC
	5000	1909 lm	224 lm/W	3293 lm	217 lm/W	12736 lm	178 lm/W	7550-00367	Flexus 5050 PP G1 2x8 750
								7550-00451	Flexus 5050 PP G1 2x8 750 NTC
	5700	1909 lm	224 lm/W	3293 lm	217 lm/W	12736 lm	178 lm/W	7550-00368	Flexus 5050 PP G1 2x8 757
								7550-00452	Flexus 5050 PP G1 2x8 757 NTC
	6500	1909 lm	224 lm/W	3293 lm	217 lm/W	12736 lm	178 lm/W	7550-00369	Flexus 5050 PP G1 2x8 765
								7550-00453	Flexus 5050 PP G1 2x8 765 NTC

Up to
12736 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 200 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥80	2700	1632 lm	192 lm/W	2816 lm	186 lm/W	10889 lm	152 lm/W	7550-00370	Flexus 5050 PP G1 2x8 827
								7550-00454	Flexus 5050 PP G1 2x8 827 NTC
	3000	1695 lm	199 lm/W	2924 lm	193 lm/W	11309 lm	158 lm/W	7550-00371	Flexus 5050 PP G1 2x8 830
								7550-00455	Flexus 5050 PP G1 2x8 830 NTC
	3500	1741 lm	205 lm/W	3004 lm	198 lm/W	11617 lm	163 lm/W	7550-00372	Flexus 5050 PP G1 2x8 835
								7550-00456	Flexus 5050 PP G1 2x8 835 NTC
	4000	1783 lm	210 lm/W	3076 lm	203 lm/W	11897 lm	167 lm/W	7550-00373	Flexus 5050 PP G1 2x8 840
								7550-00457	Flexus 5050 PP G1 2x8 840 NTC
	5000	1783 lm	210 lm/W	3076 lm	203 lm/W	11897 lm	167 lm/W	7550-00374	Flexus 5050 PP G1 2x8 850
								7550-00458	Flexus 5050 PP G1 2x8 850 NTC
	5700	1783 lm	210 lm/W	3076 lm	203 lm/W	11897 lm	167 lm/W	7550-00375	Flexus 5050 PP G1 2x8 857
								7550-00459	Flexus 5050 PP G1 2x8 857 NTC
	6500	1783 lm	210 lm/W	3076 lm	203 lm/W	11897 lm	167 lm/W	7550-00376	Flexus 5050 PP G1 2x8 865
								7550-00460	Flexus 5050 PP G1 2x8 865 NTC

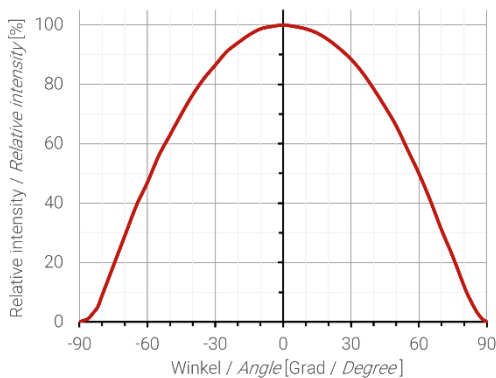
Up to
11897 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 200 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1500 mA Tc = 25 °C			
≥90	2700	1372 lm	161 lm/W	2367 lm	156 lm/W	9153 lm	128 lm/W	7550-00377	Flexus 5050 PP G1 2x8 927
								7550-00461	Flexus 5050 PP G1 2x8 927 NTC
	3000	1414 lm	166 lm/W	2439 lm	161 lm/W	9433 lm	132 lm/W	7550-00378	Flexus 5050 PP G1 2x8 930
								7550-00462	Flexus 5050 PP G1 2x8 930 NTC
	3500	1456 lm	171 lm/W	2512 lm	166 lm/W	9713 lm	136 lm/W	7550-00379	Flexus 5050 PP G1 2x8 935
								7550-00463	Flexus 5050 PP G1 2x8 935 NTC
	4000	1498 lm	176 lm/W	2584 lm	170 lm/W	9993 lm	140 lm/W	7550-00380	Flexus 5050 PP G1 2x8 940
								7550-00464	Flexus 5050 PP G1 2x8 940 NTC
	5000	1498 lm	176 lm/W	2584 lm	170 lm/W	9993 lm	140 lm/W	7550-00381	Flexus 5050 PP G1 2x8 950
								7550-00465	Flexus 5050 PP G1 2x8 950 NTC
	5700	1498 lm	176 lm/W	2584 lm	170 lm/W	9993 lm	140 lm/W	7550-00382	Flexus 5050 PP G1 2x8 957
								7550-00466	Flexus 5050 PP G1 2x8 957 NTC
	6500	1498 lm	176 lm/W	2584 lm	170 lm/W	9993 lm	140 lm/W	7550-00383	Flexus 5050 PP G1 2x8 965
								7550-00467	Flexus 5050 PP G1 2x8 965 NTC

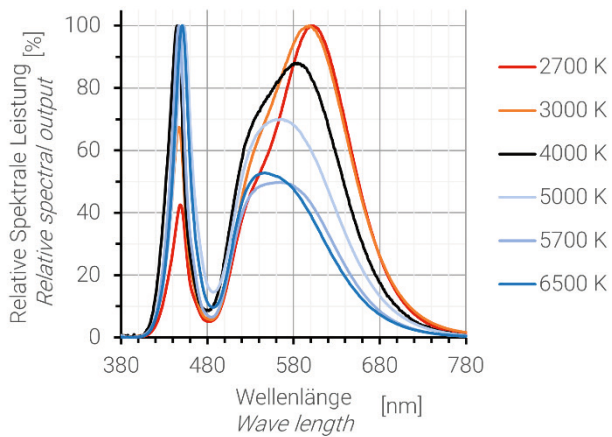
Up to
9993 lm!

Technical data: Flexus 5050 PP - LED-modules for street- and outdoor-lighting

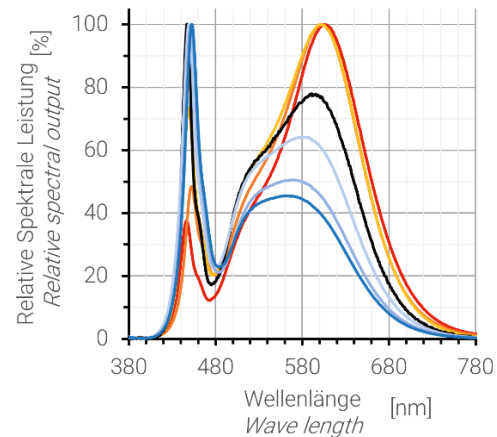
Light distribution curve



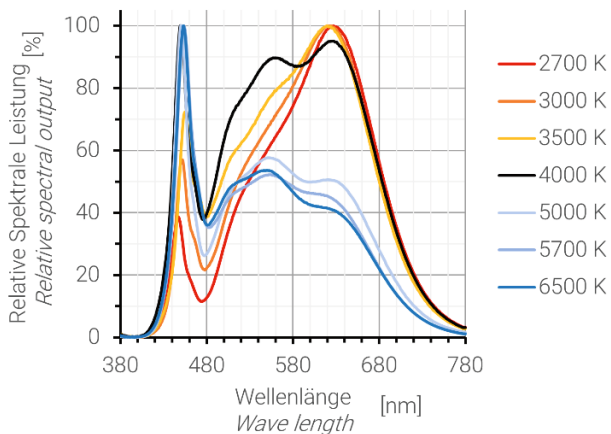
Spectrum 70



Spectrum 80



Spectrum 90



Lifetime of the used LEDs

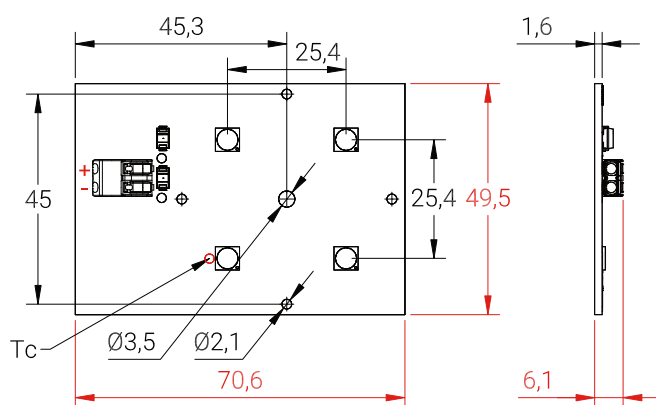
- The service life information is based on the TM21 extrapolations of the available LM80 data of the LEDs used. They are to be regarded as purely informative data from which no warranty claims can be derived.

description	If	Tc	L70 B50	L70 B10	L80 B50	L80 B10	L90 B50	L90 B10
Flexus 5050 PP G1 2x...	950 mA	85 °C	> 109.000 h	> 109.000 h	> 109.000 h	> 109.000 h	> 109.000 h	> 109.000 h
Flexus 5050 PP G1 2x... NTC	1500 mA	85 °C	> 109.000 h	> 109.000 h	> 109.000 h	> 109.000 h	> 109.000 h	> 109.000 h

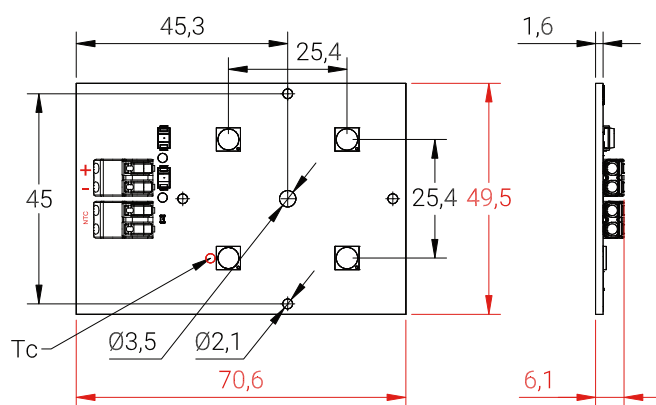
Technical drawings: Flexus 5050 PP

Flexus 5050 PP 2x2

Flexus 5050 PP G1 2x2



NTC



**Flexus 5050 CT — Extremely
compact high-performance modules**

iX-led Flexus CT is a geometric variant of the Flexus family. Instead of two separate rows that are optimised for the use of optics, the light generation here is concentrated on one line that is as compact as possible.

LEDs with the highest performance currently available are used. Efficiencies up to 237 lm/W are achieved. Or luminous fluxes up to just under 18000 lm.

The Flexus 5050 CT is equipped with an NTC for temperature monitoring. Two versions of the Flexus 5050 CT are available: CT2 with 8 LEDs and CT3 with 16 LEDs. With CRI 70, CRI 80 and CRI 90, three color renderings are available. We also offer eight light colors in the range from 2200 K to 6500 K.

The family is rounded off by these LED modules:

Flexus 5050 HP	Flexus High Performance – It couldn't be better
Flexus 5050 PP	Outstanding price-performance ratio
Flexus HighPower	LED module with robust high-power LEDs
Flexus MidPower	Mid-power performance in a compact design
Flexus Color	Flexus in 11 colors from Far-Red bis Royal-Blue

Our iX-led standard modules are available at short notice, even in small quantities, and are very advantageous in the overall concept.

Standard does not mean rigid and unchangeable!

Do you need different light colors, different color renderings or minimally shorter/longer versions of the modules? You need the assembly of soldering nuts as spacers or a threaded insert for simplified mounting of the module? No problem. Other terminals or soldered cables are also possible. With the **iX-led product family** we can adapt and individualize the standard to your needs. Explore our exclusive module series with more than 1000 lighting possibilities.

LED module with high-power LEDs for installation in luminaires.

Compatible with optics from various manufacturers.

Versatile with:

✓ Square modules in 2 versions: 1x8 LEDs und 2x8 LEDs

✓ 3 color renderings: CRI 70, CRI 80 and CRI 90

✓ 8 light colors: 2200 K, 2700 K, 3000 K, 3500 K, 4000 K, 5000 K, 5700 K and 6500 K

2-row LED arrangement.

Plug-in terminals for quick and easy installation.

2 variants: with and without NTC for temperature monitoring.

For operation with suitable constant current drivers.

Optimum thermal management through aluminium core PCB.

Maximum working voltage	250 V
Ambient temperature	-20... + 50 °C
Max. perm. operating temperature (T _c)	80 °C
EPREL database entry	yes
Beam angle	120°

Connections:

Terminals	2
Connection type	rigid / flexible
Conductor cross-section AWG	AWG 18-24
Conductor cross-section	min 0.2 mm ²
	max 0.75 mm ²
Stripping length	8 - 9 mm



Flexus 5050 CT2 - Extremely compact high-performance modules

- ✓ 8 high-performance high-power-LEDs
- ✓ square module for installation in luminaires
- ✓ pitch distance along 5.3 mm
- ✓ length 95 mm
- ✓ width 39 mm
- ✓ aluminium core PCB for perfect thermal management
- ✓ rated current 350 mA
- ✓ maximum operating current 1000 mA
- ✓ maximum forward voltage 49.9 V
- ✓ 4 connection terminals
- ✓ with NTC for temperature monitoring



Please also refer to the technical data of the Flexus 5050 CT-Family on page 42. Further technical data and drawings from page 48.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 50 mA Tc = 25 °C		If = 500 mA Tc = 25 °C		If = 1000 mA Tc = 25 °C			
≥70	2200	395 lm	188 lm/W	3733 lm	164 lm/W	6993 lm	144 lm/W	7550-00660	Flexus 5050 CT2 G1 722
	2700	455 lm	216 lm/W	4293 lm	188 lm/W	8041 lm	166 lm/W	7550-00661	Flexus 5050 CT2 G1 727
	3000	480 lm	228 lm/W	4529 lm	198 lm/W	8483 lm	175 lm/W	7550-00662	Flexus 5050 CT2 G1 730
	3500	484 lm	230 lm/W	4569 lm	200 lm/W	8557 lm	177 lm/W	7550-00663	Flexus 5050 CT2 G1 735
	4000	499 lm	237 lm/W	4716 lm	207 lm/W	8833 lm	182 lm/W	7550-00664	Flexus 5050 CT2 G1 740
	5000	499 lm	237 lm/W	4716 lm	207 lm/W	8833 lm	182 lm/W	7550-00665	Flexus 5050 CT2 G1 750
	5700	499 lm	237 lm/W	4716 lm	207 lm/W	8833 lm	182 lm/W	7550-00666	Flexus 5050 CT2 G1 757
	6500	491 lm	233 lm/W	4637 lm	203 lm/W	8686 lm	179 lm/W	7550-00667	Flexus 5050 CT2 G1 765

Up to
8833 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 50 mA Tc = 25 °C		If = 500 mA Tc = 25 °C		If = 1000 mA Tc = 25 °C			
≥80	2200	364 lm	173 lm/W	3439 lm	151 lm/W	6441 lm	133 lm/W	7550-00668	Flexus 5050 CT2 G1 822
	2700	425 lm	202 lm/W	4009 lm	176 lm/W	7508 lm	155 lm/W	7550-00669	Flexus 5050 CT2 G1 827
	3000	441 lm	210 lm/W	4166 lm	182 lm/W	7802 lm	161 lm/W	7550-00670	Flexus 5050 CT2 G1 830
	3500	454 lm	215 lm/W	4284 lm	188 lm/W	8023 lm	166 lm/W	7550-00671	Flexus 5050 CT2 G1 835
	4000	466 lm	221 lm/W	4401 lm	193 lm/W	8244 lm	170 lm/W	7550-00672	Flexus 5050 CT2 G1 840
	5000	466 lm	221 lm/W	4401 lm	193 lm/W	8244 lm	170 lm/W	7550-00673	Flexus 5050 CT2 G1 850
	5700	466 lm	221 lm/W	4401 lm	193 lm/W	8244 lm	170 lm/W	7550-00674	Flexus 5050 CT2 G1 857
	6500	461 lm	219 lm/W	4352 lm	191 lm/W	8152 lm	168 lm/W	7550-00675	Flexus 5050 CT2 G1 865

Up to
8244 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 50 mA Tc = 25 °C		If = 500 mA Tc = 25 °C		If = 1000 mA Tc = 25 °C			
≥90	2200	307 lm	146 lm/W	2898 lm	127 lm/W	5428 lm	112 lm/W	7550-00676	Flexus 5050 CT2 G1 922
	2700	359 lm	171 lm/W	3390 lm	148 lm/W	6349 lm	131 lm/W	7550-00677	Flexus 5050 CT2 G1 927
	3000	369 lm	175 lm/W	3488 lm	153 lm/W	6533 lm	135 lm/W	7550-00678	Flexus 5050 CT2 G1 930
	3500	380 lm	180 lm/W	3586 lm	157 lm/W	6717 lm	139 lm/W	7550-00679	Flexus 5050 CT2 G1 935
	4000	391 lm	186 lm/W	3694 lm	162 lm/W	6919 lm	143 lm/W	7550-00680	Flexus 5050 CT2 G1 940
	5000	391 lm	186 lm/W	3694 lm	162 lm/W	6919 lm	143 lm/W	7550-00681	Flexus 5050 CT2 G1 950
	5700	391 lm	186 lm/W	3694 lm	162 lm/W	6919 lm	143 lm/W	7550-00682	Flexus 5050 CT2 G1 957
	6500	389 lm	185 lm/W	3674 lm	161 lm/W	6882 lm	142 lm/W	7550-00683	Flexus 5050 CT2 G1 965

Up to
6919lm!

Flexus 5050 CT3 - Extremely compact high-performance modules

- ✓ 16 high-performance high-power-LEDs
- ✓ square module for installation in luminaires
- ✓ pitch distance along 5.3 mm
- ✓ length 95 mm
- ✓ width 39 mm
- ✓ aluminium core PCB for perfect thermal management
- ✓ rated current 350 mA
- ✓ maximum operating current 1000 mA
- ✓ maximum forward voltage 99.8 V
- ✓ 4 connection terminals
- ✓ with NTC for temperature monitoring



Up to
237 lm/W!

Please also refer to the technical data of the Flexus 5050 CT-Family on page 42. Further technical data and drawings from page 48.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 50 mA Tc = 25 °C		If = 500 mA Tc = 25 °C		If = 1000 mA Tc = 25 °C			
≥70	2200	791 lm	188 lm/W	7467 lm	164 lm/W	13985 lm	144 lm/W	7550-00684	Flexus 5050 CT3 G1 722
	2700	910 lm	216 lm/W	8587 lm	188 lm/W	16083 lm	166 lm/W	7550-00685	Flexus 5050 CT3 G1 727
	3000	959 lm	228 lm/W	9058 lm	198 lm/W	16966 lm	175 lm/W	7550-00686	Flexus 5050 CT3 G1 730
	3500	968 lm	230 lm/W	9137 lm	200 lm/W	17113 lm	177 lm/W	7550-00687	Flexus 5050 CT3 G1 735
	4000	999 lm	237 lm/W	9432 lm	207 lm/W	17665 lm	182 lm/W	7550-00688	Flexus 5050 CT3 G1 740
	5000	999 lm	237 lm/W	9432 lm	207 lm/W	17665 lm	182 lm/W	7550-00689	Flexus 5050 CT3 G1 750
	5700	999 lm	237 lm/W	9432 lm	207 lm/W	17665 lm	182 lm/W	7550-00690	Flexus 5050 CT3 G1 757
	6500	982 lm	233 lm/W	9275 lm	203 lm/W	17371 lm	179 lm/W	7550-00691	Flexus 5050 CT3 G1 765

Up to
17655 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 500 mA Tc = 25 °C		If = 1000 mA Tc = 25 °C			
≥80	2200	728 lm	173 lm/W	6877 lm	151 lm/W	12881 lm	133 lm/W	7550-00692	Flexus 5050 CT3 G1 822
	2700	849 lm	202 lm/W	8017 lm	176 lm/W	15016 lm	155 lm/W	7550-00693	Flexus 5050 CT3 G1 827
	3000	882 lm	210 lm/W	8331 lm	182 lm/W	15604 lm	161 lm/W	7550-00694	Flexus 5050 CT3 G1 830
	3500	907 lm	215 lm/W	8567 lm	188 lm/W	16046 lm	166 lm/W	7550-00695	Flexus 5050 CT3 G1 835
	4000	932 lm	221 lm/W	8803 lm	193 lm/W	16488 lm	170 lm/W	7550-00696	Flexus 5050 CT3 G1 840
	5000	932 lm	221 lm/W	8803 lm	193 lm/W	16488 lm	170 lm/W	7550-00697	Flexus 5050 CT3 G1 850
	5700	932 lm	221 lm/W	8803 lm	193 lm/W	16488 lm	170 lm/W	7550-00698	Flexus 5050 CT3 G1 857
	6500	922 lm	219 lm/W	8705 lm	191 lm/W	16304 lm	168 lm/W	7550-00699	Flexus 5050 CT3 G1 865

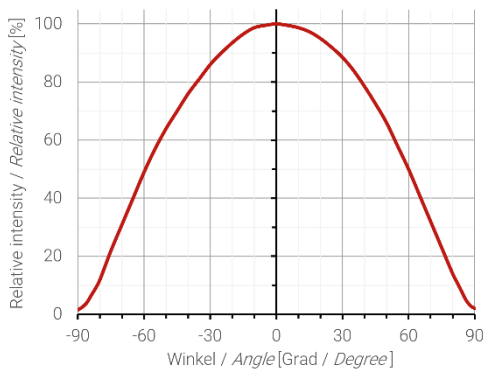
Up to
16488 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 500 mA Tc = 25 °C		If = 1000 mA Tc = 25 °C			
≥90	2200	614 lm	146 lm/W	5797 lm	127 lm/W	10857 lm	112 lm/W	7550-00700	Flexus 5050 CT3 G1 922
	2700	718 lm	171 lm/W	6779 lm	148 lm/W	12697 lm	131 lm/W	7550-00701	Flexus 5050 CT3 G1 927
	3000	739 lm	175 lm/W	6976 lm	153 lm/W	13065 lm	135 lm/W	7550-00702	Flexus 5050 CT3 G1 930
	3500	760 lm	180 lm/W	7172 lm	157 lm/W	13433 lm	139 lm/W	7550-00703	Flexus 5050 CT3 G1 935
	4000	783 lm	186 lm/W	7388 lm	162 lm/W	13838 lm	143 lm/W	7550-00704	Flexus 5050 CT3 G1 940
	5000	783 lm	186 lm/W	7388 lm	162 lm/W	13838 lm	143 lm/W	7550-00705	Flexus 5050 CT3 G1 950
	5700	783 lm	186 lm/W	7388 lm	162 lm/W	13838 lm	143 lm/W	7550-00706	Flexus 5050 CT3 G1 957
	6500	778 lm	185 lm/W	7349 lm	161 lm/W	13764 lm	142 lm/W	7550-00707	Flexus 5050 CT3 G1 965

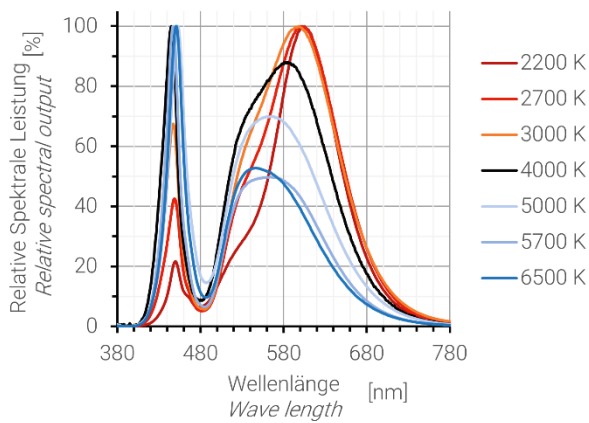
Up to
13838 lm!

Technical data: Flexus 5050 CT - Extremely compact high-performance modules

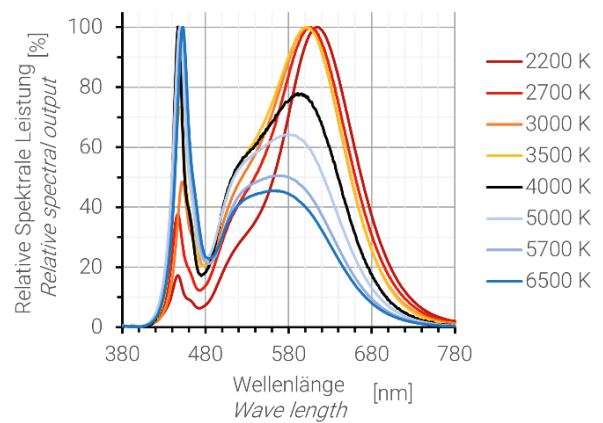
Light distribution curve



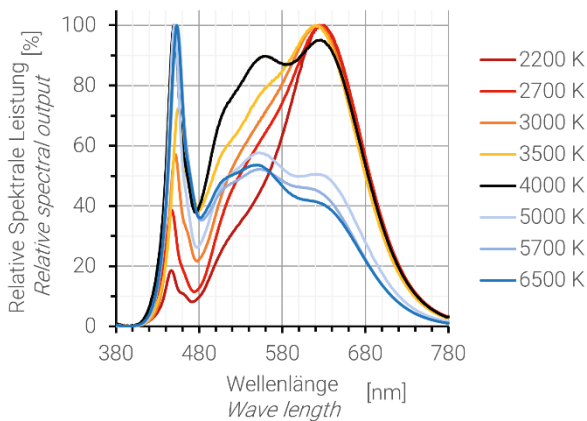
Spectrum 70



Spectrum 80



Spectrum 90



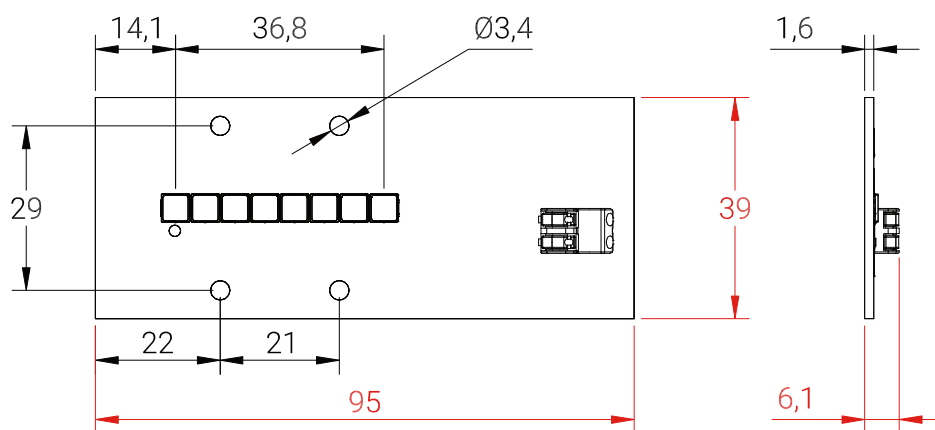
Lifetime of the used LEDs

- The service life information is based on the TM21 extrapolations of the available LM80 data of the LEDs used. They are to be regarded as purely informative data from which no warranty claims can be derived.

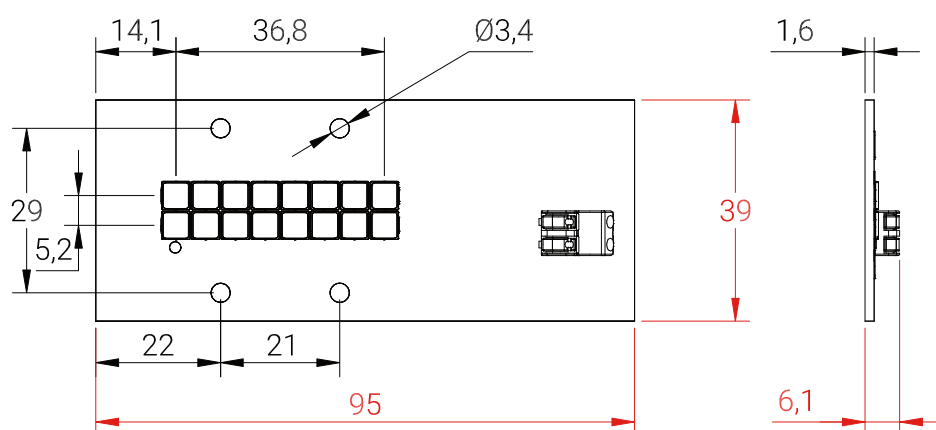
description	If	Tc	L70 B50	L70 B10	L80 B50	L80 B10	L90 B50	L90 B10
Flexus 5050 CT... G1...	400 mA	55 °C	> 36.000 h	> 36.000 h	> 36.000 h	> 36.000 h	> 36.000 h	> 36.000 h
	400 mA	85 °C	> 36.000 h	> 36.000 h	> 36.000 h	> 36.000 h	> 36.000 h	> 36.000 h

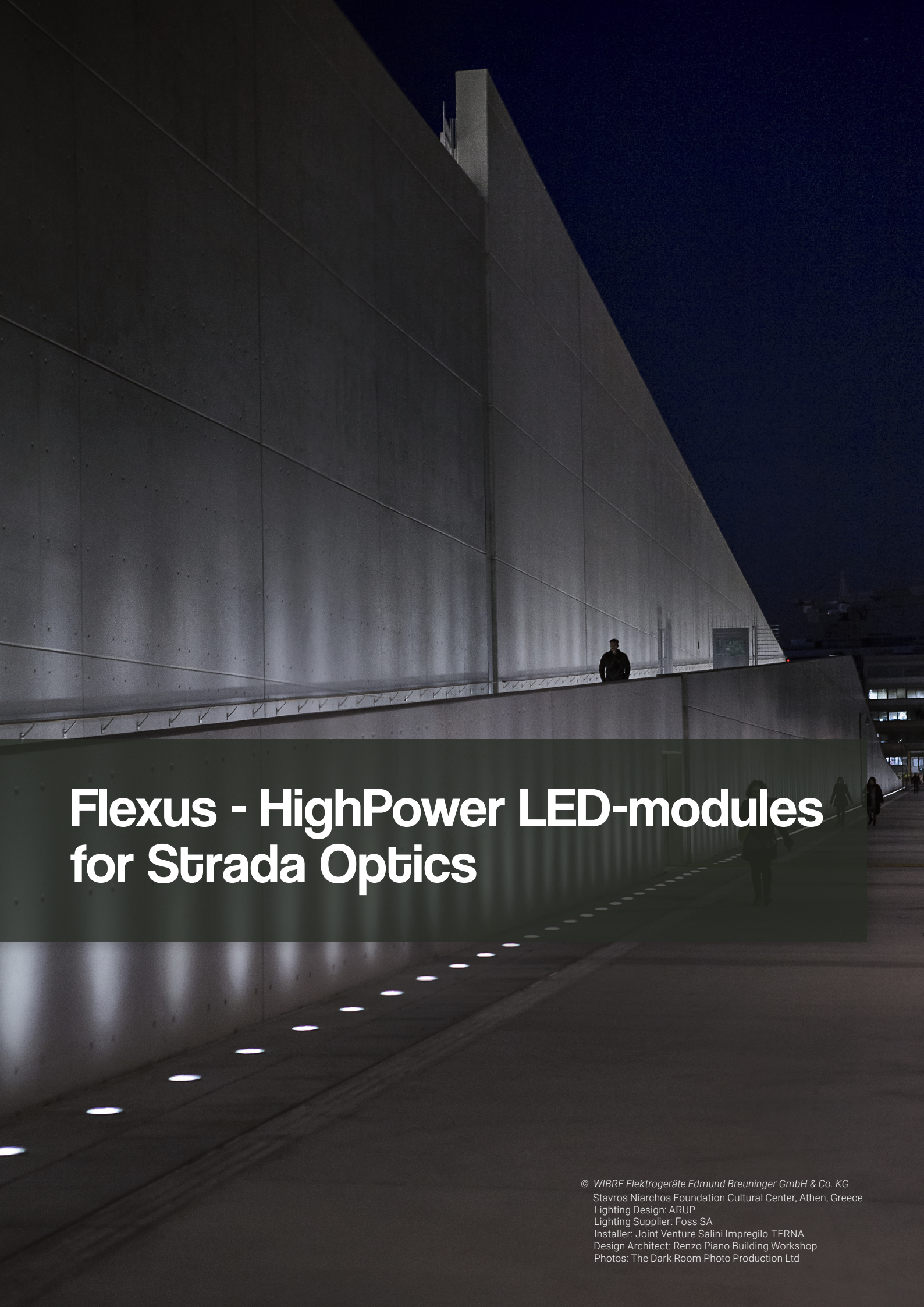
Technical drawings: Flexus 5050 CT - Extremely compact high-performance modules

Flexus 5050 CT2



Flexus 5050 CT3





Flexus - HighPower LED-modules for Strada Optics

© WIBRE Elektrogeräte Edmund Breuninger GmbH & Co. KG
Stavros Niarchos Foundation Cultural Center, Athen, Greece
Lighting Design: ARUP
Lighting Supplier: Foss SA
Installer: Joint Venture Salini Impregilo-TERNA
Design Architect: Renzo Piano Building Workshop
Photos: The Dark Room Photo Production Ltd

iX-LED Flexus combines sustainable thermal management and medium to high performance, e.g. for street lighting.

The Flexus modules are available in **two basic variants**:

iX-led Flexus HighPower

- 2-row LED module with HighPower LEDs
- efficiency of over 220 lm/W or 10000 lm
- optimized thermal management and temperature monitoring by aluminum core PCB, as well as NTC
- on request also available with LED shunt to increase module reliability

iX-led Flexus MidPower

- 4-row LED module with MidPower LEDs
- efficiency of nearly 210 lm/W or almost 6000 lm
- optimized thermal management and temperature monitoring by aluminum core PCB, as well as NTC

You can choose from a **variety of lengths, LED arrangements and light colors**.

Our Flexus modules offer high compatibility with multiple optics and plug-in terminals from many manufacturers, allowing for quick and easy installation. Our Flexus series is therefore ideally suited for installation in street lighting.

Standard does not mean rigid and unchangeable!

Do you need different light colors, different color renderings or minimally shorter/longer versions of the modules? You need the assembly of soldering nuts as spacers or a threaded insert for simplified mounting of the module? No problem. Other terminals or soldered cables are also possible. With the **iX-led product family** we can adapt and individualize the standard to your needs.

Explore our exclusive module series with more than 1000 lighting possibilities.

LED module with high-power LEDs for installation in luminaires.

Compatible with optics from various manufacturers.

Versatile with:

✓ Square modules in 4 lengths: 71 mm, 121 mm, 172 mm and 223 mm x 50 mm

✓ 2 color renderings: CRI 70 and CRI 80

✓ 3 light colors: 3000 K, 4000 K and 5000 K

2-row LED arrangement.

Plug-in terminals for easy and quick mounting.

For operation with suitable constant current drivers.

Maximum working voltage	250 V
Ambient temperature	-20...+50 °C
Max. perm. operating temperature (T _c)	80 °C
EPREL database entry	yes
Beam angle	120°

Connections:

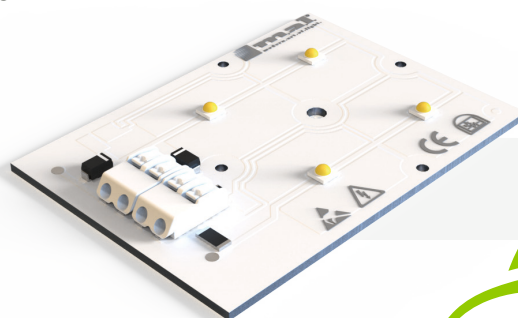
Terminals	4
Connection type	rigid / flexible
Conductor cross section AWG	AWG 18-24
Conductor cross section	min 0.2 mm ²
	max 0.75 mm ²
Stripping length	8 - 9 mm

Also available with other terminals on request.



Flexus 2x2 - HighPower LED-modules for Strada optics

- ✓ square module for installation in luminaires
- ✓ designed for 2x2 optics from various manufacturers
- ✓ 4 High-Power LEDs
- ✓ pitch distance along and across 25 mm
- ✓ length 71 mm
- ✓ width 50 mm
- ✓ 4 connection terminals
- ✓ aluminum core PCB for perfect thermal management
- ✓ rated current 350 mA
- ✓ maximum operating current 1500 mA
- ✓ maximum forward voltage 13.6 V
- ✓ with NTC for temperature monitoring, reverse polarity protection and TVS diode



Up to
224 lm/W!

Please also refer to the technical data of the Flexus HighPower family on page 54. Further technical data and drawings from page 60.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1.500 mA Tc = 25 °C			
≥70	3000	223 lm	209 lm/W	727 lm	187 lm/W	2472 lm	136 lm/W	7550-03000	Flexus G2 2x2 P0 730
	4000	240 lm	224 lm/W	780 lm	201 lm/W	2652 lm	146 lm/W	7550-03002	Flexus G2 2x2 P0 740
	5000	240 lm	224 lm/W	780 lm	201 lm/W	2652 lm	146 lm/W	7550-03004	Flexus G2 2x2 P0 750

Up to
2652lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1.500 mA Tc = 25 °C			
≥80	3000	190 lm	174 lm/W	616 lm	154 lm/W	1940 lm	103 lm/W	7550-03001	Flexus G2 2x2 P0 830
	4000	203 lm	186 lm/W	656 lm	164 lm/W	2068 lm	109 lm/W	7550-03003	Flexus G2 2x2 P0 840
	5000	203 lm	186 lm/W	656 lm	164 lm/W	2068 lm	109 lm/W	7550-03005	Flexus G2 2x2 P0 850

Up to
2068lm!

Flexus 2x4 - HighPower LED-modules for Strada optics

- ✓ square module for installation in luminaires
- ✓ designed for 2x2 and 2x4 optics from various manufacturers
- ✓ 8 High-Power LEDs
- ✓ pitch distance along and across 25 mm
- ✓ length 121 mm
- ✓ width 50 mm
- ✓ 4 connection terminals
- ✓ aluminum core PCB for perfect thermal management
- ✓ rated current 350 mA
- ✓ maximum operating current 1500 mA
- ✓ maximum forward voltage 27.2 V
- ✓ with NTC for temperature monitoring, reverse polarity protection and TVS diode



Please also refer to the technical data of the Flexus HighPower family on page 54. Further technical data and drawings from page 60.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1.500 mA Tc = 25 °C			
≥70	3000	446 lm	209 lm/W	1454 lm	187 lm/W	4944 lm	136 lm/W	7550-03006	Flexus G2 2x4 P0 730
	4000	479 lm	224 lm/W	1560 lm	201 lm/W	5304 lm	146 lm/W	7550-03008	Flexus G2 2x4 P0 740
	5000	479 lm	224 lm/W	1560 lm	201 lm/W	5304 lm	146 lm/W	7550-03010	Flexus G2 2x4 P0 750

Up to
5304 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1.500 mA Tc = 25 °C			
≥80	3000	381 lm	174 lm/W	1232 lm	154 lm/W	3880 lm	103 lm/W	7550-03007	Flexus G2 2x4 P0 830
	4000	406 lm	186 lm/W	1312 lm	164 lm/W	4136 lm	109 lm/W	7550-03009	Flexus G2 2x4 P0 840
	5000	406 lm	186 lm/W	1312 lm	164 lm/W	4136 lm	109 lm/W	7550-03011	Flexus G2 2x4 P0 850

Up to
4136 lm!

Flexus 2x6 - HighPower LED-modules for Strada optics

- ✓ square module for installation in luminaires
- ✓ designed for 2x6 optics from various manufacturers
- ✓ 12 High-Power LEDs
- ✓ pitch distance along and across 25 mm
- ✓ length 172 mm
- ✓ width 50 mm
- ✓ 4 connection terminals
- ✓ aluminum core PCB for perfect thermal management
- ✓ rated current 350 mA
- ✓ maximum operating current 1500 mA
- ✓ maximum forward voltage 40.8 V
- ✓ with NTC for temperature monitoring, reverse polarity protection and TVS diode



Please also refer to the technical data of the Flexus HighPower family on page 54. Further technical data and drawings from page 60.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1.500 mA Tc = 25 °C			
≥70	3000	670 lm	209 lm/W	2181 lm	187 lm/W	7416 lm	136 lm/W	7550-03012	Flexus G2 2x6 P0 730
	4000	719 lm	224 lm/W	2340 lm	201 lm/W	7956 lm	146 lm/W	7550-03014	Flexus G2 2x6 P0 740
	5000	719 lm	224 lm/W	2340 lm	201 lm/W	7956 lm	146 lm/W	7550-03016	Flexus G2 2x6 P0 750

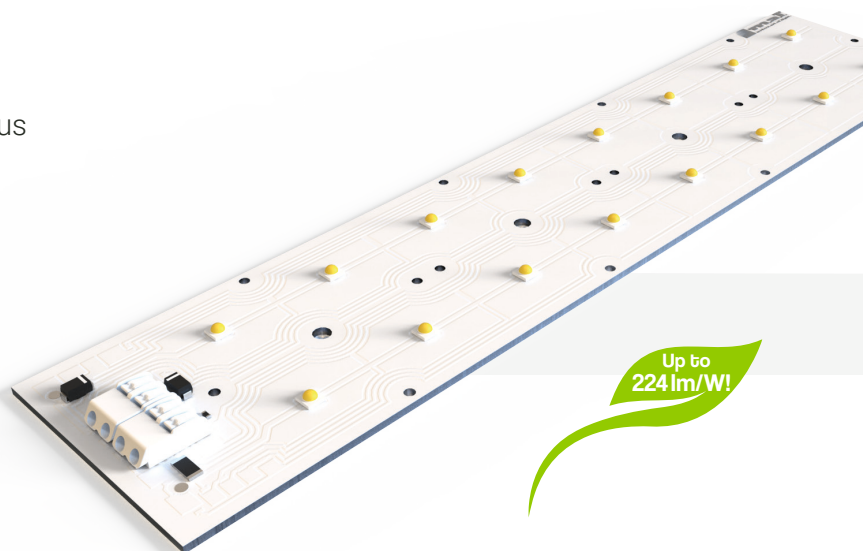
Up to
7956 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1.500 mA Tc = 25 °C			
≥80	3000	571 lm	174 lm/W	1848 lm	154 lm/W	5820 lm	103 lm/W	7550-03013	Flexus G2 2x6 P0 830
	4000	608 lm	186 lm/W	1968 lm	164 lm/W	6204 lm	109 lm/W	7550-03015	Flexus G2 2x6 P0 840
	5000	608 lm	186 lm/W	1968 lm	164 lm/W	6204 lm	109 lm/W	7550-03017	Flexus G2 2x6 P0 850

Up to
6204 lm!

Flexus 2x8 - HighPower LED-modules for Strada optics

- ✓ square module for installation in luminaires
- ✓ designed for 2x2 and 2x8 optics from various manufacturers
- ✓ 16 High-Power LEDs
- ✓ pitch distance along and across 25 mm
- ✓ length 223 mm
- ✓ width 50 mm
- ✓ 4 connection terminals
- ✓ aluminum core PCB for perfect thermal management
- ✓ rated current 350 mA
- ✓ maximum operating current 1500 mA
- ✓ maximum forward voltage 54.4 V
- ✓ with NTC for temperature monitoring, reverse polarity protection and TVS diode



Please also refer to the technical data of the Flexus HighPower family on page 54. Further technical data and drawings from page 60.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1.500 mA Tc = 25 °C			
≥70	3000	893 lm	209 lm/W	2908 lm	187 lm/W	9888 lm	136 lm/W	7550-03018	Flexus G2 2x8 P0 730
	4000	958 lm	224 lm/W	3120 lm	201 lm/W	10608 lm	146 lm/W	7550-03020	Flexus G2 2x8 P0 740
	5000	958 lm	224 lm/W	3120 lm	201 lm/W	10608 lm	146 lm/W	7550-03022	Flexus G2 2x8 P0 750

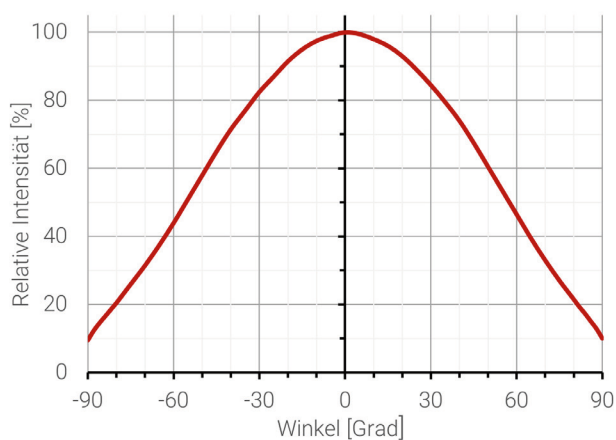
Up to
10608 lm!

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 100 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 1.500 mA Tc = 25 °C			
≥80	3000	762 lm	174 lm/W	2464 lm	154 lm/W	7760 lm	103 lm/W	7550-03019	Flexus G2 2x8 P0 830
	4000	811 lm	186 lm/W	2624 lm	164 lm/W	8272 lm	109 lm/W	7550-03021	Flexus G2 2x8 P0 840
	5000	811 lm	186 lm/W	2624 lm	164 lm/W	8272 lm	109 lm/W	7550-03023	Flexus G2 2x8 P0 850

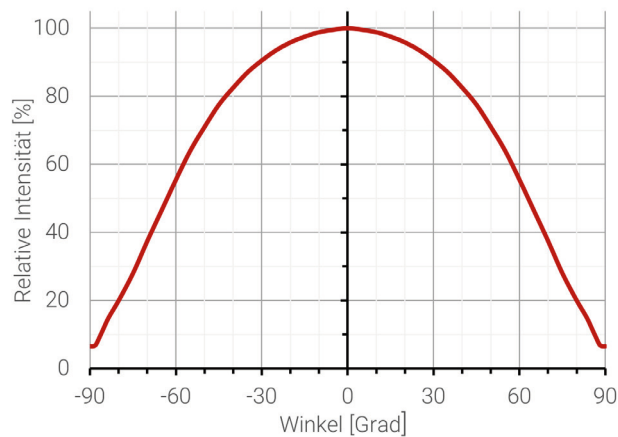
Up to
8272 lm!

Technical data: Flexus - HighPower LED-modules for Strada Optics

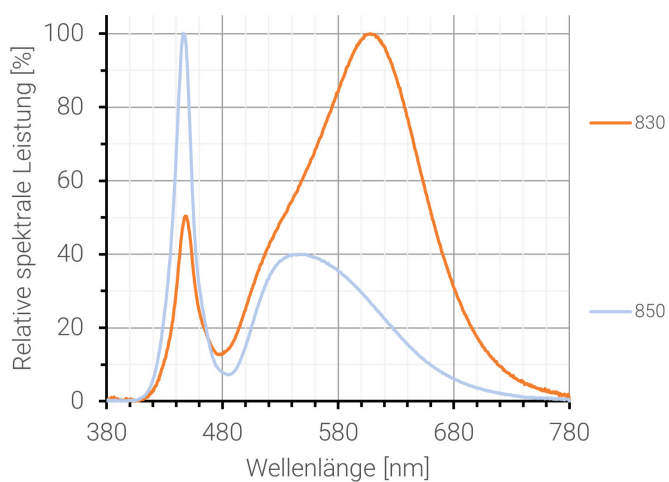
Light distribution curve CRI 80



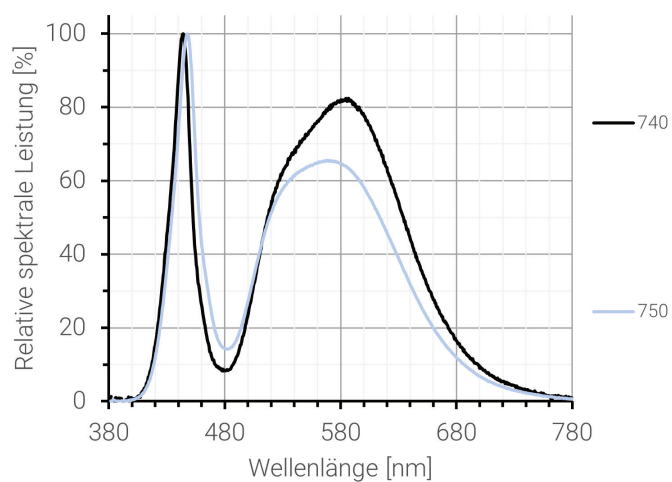
Light distribution curve CRI 70



Spectrum CRI 80



Spectrum CRI 70



Lifetime of the LEDs used

- The lifetime data is based on TM21 extrapolations of the available LM80 data of the LEDs used. They are to be regarded as purely informative data from which no warranty claim can be derived.

description	If	Tc	L70 B50	L70 B10	L80 B50	L80 B10	L90 B50	L90 B10
Flexus G2 2x... PO 8xx	500 mA	85 °C	> 109.000 h	> 109.000 h	> 109.000 h	> 109.000 h	> 109.000 h	> 109.000 h
		95 °C	> 109.000 h	> 109.000 h	> 109.000 h	> 109.000 h	> 109.000 h	> 109.000 h
	1000 mA	55 °C	> 109.000 h	> 109.000 h	> 87.000 h	> 88.000 h	> 45.000 h	> 46.000 h
		85 °C	> 60.000 h	> 60.000 h	> 60.000 h	> 60.000 h	> 60.000 h	> 60.000 h
	1250 mA	85 °C	> 60.000 h	> 60.000 h	> 60.000 h	> 60.000 h	> 45.000 h	> 46.000 h
		95 °C	> 54.000 h	> 54.000 h	> 40.000 h	> 41.000 h	> 19.000 h	> 19.000 h
Flexus G2 2x... PO 7xx	500 mA	85 °C	> 60.000 h	> 60.000 h	> 60.000 h	> 60.000 h	> 60.000 h	> 60.000 h
		95 °C	> 36.000 h	> 36.000 h	> 36.000 h	> 36.000 h	> 36.000 h	> 36.000 h
	700 mA	95 °C	> 60.000 h	> 60.000 h	> 60.000 h	> 60.000 h	> 60.000 h	> 60.000 h
	1000 mA	85 °C	> 109.000 h	> 109.000 h	> 87.000 h	> 88.000 h	> 45.000 h	> 46.000 h
		95 °C	> 60.000 h	> 60.000 h	> 60.000 h	> 60.000 h	> 51.000 h	> 51.000 h
	1500 mA	85 °C	> 60.000 h	> 60.000 h	> 44.000 h	> 45.000 h	> 23.000 h	> 24.000 h

Matching example standard optics from LEDiL

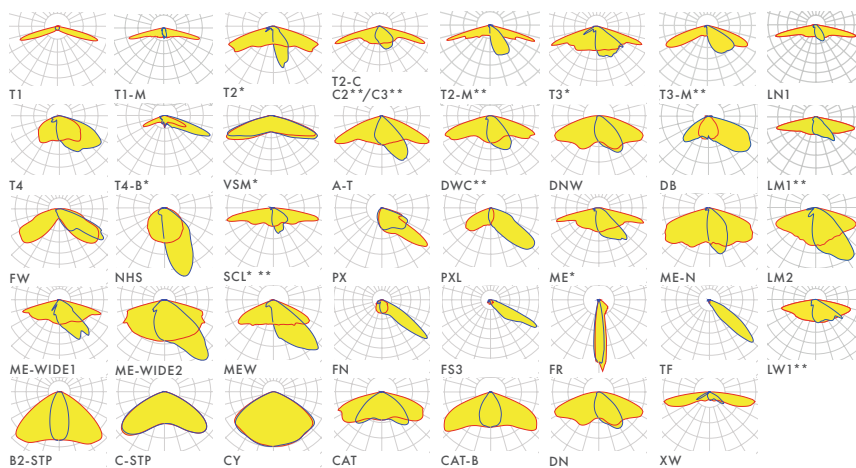
STRADA

The most versatile modular product family especially designed for street lighting.

PATENTED



2X2
– 50 x 50 mm
Compatibility:
up to 5050 size
LED packages



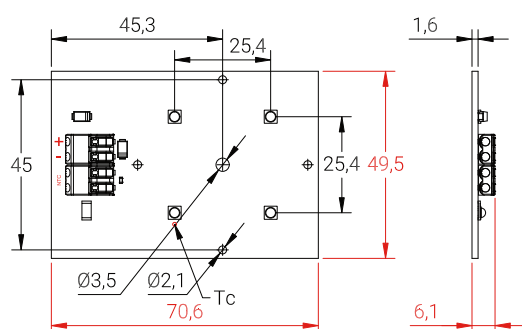
* variant available for CSP LEDs ** variant available for flat 5050 size LED packages

Source: https://www.ledil.com/wp-content/uploads/2022/09/Guide_for_Street_lighting_optics_v1.0_2022_WEB.pdf

Technical drawings: Flexus - HighPower LED-modules for Strada Optics

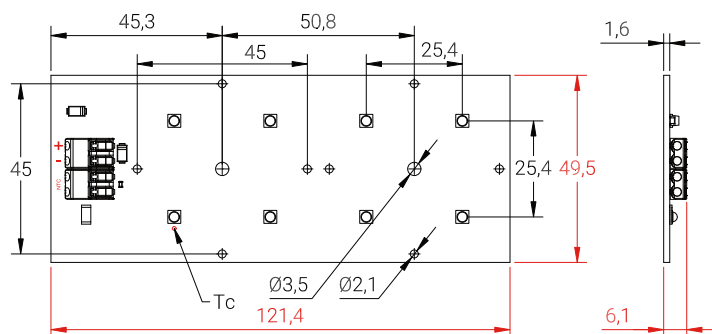
Flexus 2x2

Flexus G2 2x2 P0



Flexus 2x4

Flexus G2 2x4 P0









Flexus - MidPower LED-modules for Stradella Optics

LED module with mid-power LEDs for installation in luminaires.

Compatible with optics from various manufacturers.

Versatile with:

✓ square module in four lengths: 71 mm, 121 mm, 172 mm and 223 mm x 50 mm

✓ color rendering: CRI 80

✓ 7 light colors: CCT 2700 K, 3000 K, 3500 K, 4000 K, 5000 K, 5700 K and 6500 K

4-row LED arrangement. NTC for temperature monitoring.

Plug-in terminals for easy and fast mounting.

For operation with suitable constant current drivers.

Maximum working voltage	250 V
Ambient temperature	-20... + 50 °C
Max. perm. operating temperature (T _c)	85 °C
EPREL database entry	yes
Beam angle	120°

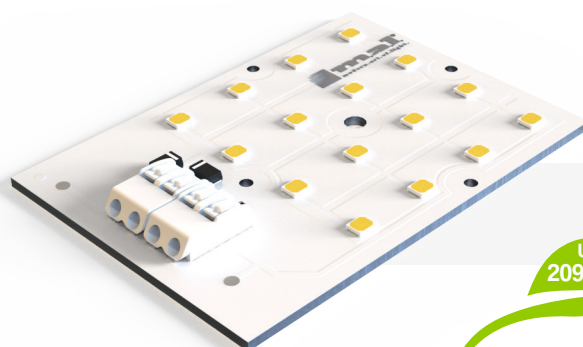
Connections:

Terminals	4
Connection type	rigid / flexible
Conductor cross section AWG	AWG 18-24
Conductor cross section	min 0.2 mm ²
	max 0.75 mm ²
Stripping length	8 - 9 mm

Also available with other terminals on request.

Flexus 4x4 - MidPower LED-modules for Stradella Optics

- ✓ square module for installation in luminaires
- ✓ for 4x4 optics from various manufacturers
- ✓ 16 Mid-Power LEDs
- ✓ pitch distance along and across 12.5 mm
- ✓ length 71 mm
- ✓ width 50 mm
- ✓ 4 connection terminals
- ✓ rated current 350 mA
- ✓ maximum operating current 700 mA
- ✓ maximum forward voltage 12.4 V
- ✓ with NTC for temperature monitoring



Up to
209 lm/W!

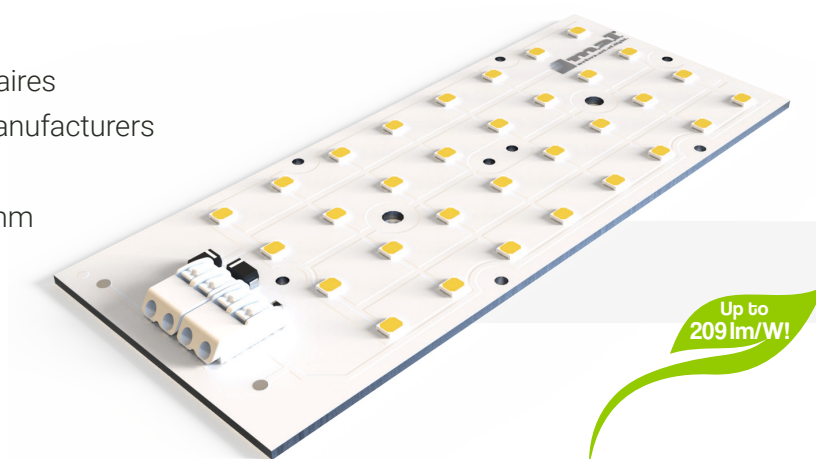
Please also refer to the technical data of the Flexus MidPower family on page 67. Further technical data and drawings from page 72.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 200 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 700 mA Tc = 25 °C			
≥80	2700	402 lm	186 lm/W	689 lm	178 lm/W	1311 lm	162 lm/W	7550-03024	Flexus G2 4x4 P0 827
	3000	428 lm	199 lm/W	734 lm	190 lm/W	1397 lm	174 lm/W	7550-03025	Flexus G2 4x4 P0 830
	3500	428 lm	199 lm/W	734 lm	190 lm/W	1397 lm	174 lm/W	7550-03026	Flexus G2 4x4 P0 835
	4000	445 lm	209 lm/W	763 lm	200 lm/W	1452 lm	182 lm/W	7550-03027	Flexus G2 4x4 P0 840
	5000	445 lm	209 lm/W	763 lm	200 lm/W	1452 lm	182 lm/W	7550-03028	Flexus G2 4x4 P0 850
	5700	445 lm	209 lm/W	763 lm	200 lm/W	1452 lm	182 lm/W	7550-03029	Flexus G2 4x4 P0 857
	6500	445 lm	209 lm/W	763 lm	200 lm/W	1452 lm	182 lm/W	7550-03030	Flexus G2 4x4 P0 865

Up to
1452 lm!

Flexus 4x8 - MidPower LED-modules for Stradella Optics

- ✓ square module for installation in luminaires
- ✓ for 4x4 and 4x8 optics from various manufacturers
- ✓ 32 Mid-Power LEDs
- ✓ pitch distance along and across 12.5 mm
- ✓ length 121 mm
- ✓ width 50 mm
- ✓ 4 connection terminals
- ✓ rated current 350 mA
- ✓ maximum operating current 700 mA
- ✓ maximum forward voltage 24.8 V
- ✓ with NTC for temperature monitoring



Please also refer to the technical data of the Flexus MidPower family on page 67. Further technical data and drawings from page 72.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 200 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 700 mA Tc = 25 °C			
≥80	2700	804 lm	186 lm/W	1378 lm	178 lm/W	2622 lm	162 lm/W	7550-03031	Flexus G2 4x8 P0 827
	3000	857 lm	199 lm/W	1468 lm	190 lm/W	2794 lm	174 lm/W	7550-03032	Flexus G2 4x8 P0 830
	3500	857 lm	199 lm/W	1468 lm	190 lm/W	2794 lm	174 lm/W	7550-03033	Flexus G2 4x8 P0 835
	4000	891 lm	209 lm/W	1526 lm	200 lm/W	2903 lm	182 lm/W	7550-03034	Flexus G2 4x8 P0 840
	5000	891 lm	209 lm/W	1526 lm	200 lm/W	2903 lm	182 lm/W	7550-03035	Flexus G2 4x8 P0 850
	5700	891 lm	209 lm/W	1526 lm	200 lm/W	2903 lm	182 lm/W	7550-03036	Flexus G2 4x8 P0 857
	6500	891 lm	209 lm/W	1526 lm	200 lm/W	2903 lm	182 lm/W	7550-03037	Flexus G2 4x8 P0 865



Flexus 4x12 - MidPower LED-modules for Stradella Optics

- ✓ square module for installation in luminaires
- ✓ for 4x4, 4x8 and 4x12 optics from various manufacturers
- ✓ 48 Mid-Power LEDs
- ✓ pitch distance along and across 12.5 mm
- ✓ length 172 mm
- ✓ width 50 mm
- ✓ 4 connection terminals
- ✓ rated current 350 mA
- ✓ maximum operating current 700 mA
- ✓ maximum forward voltage 37.2 V
- ✓ with NTC for temperature monitoring



Up to
209 lm/W!

Please also refer to the technical data of the Flexus MidPower family on page 67. Further technical data and drawings from page 72.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 200 mA T _c = 25 °C		If = 350 mA T _c = 25 °C		If = 700 mA T _c = 25 °C			
≥80	2700	1206 lm	186 lm/W	2067 lm	178 lm/W	3932 lm	162 lm/W	7550-03038	Flexus G2 4x12 P0 827
	3000	1285 lm	199 lm/W	2202 lm	190 lm/W	4191 lm	174 lm/W	7550-03039	Flexus G2 4x12 P0 830
	3500	1285 lm	199 lm/W	2202 lm	190 lm/W	4191 lm	174 lm/W	7550-03040	Flexus G2 4x12 P0 835
	4000	1336 lm	209 lm/W	2289 lm	200 lm/W	4355 lm	182 lm/W	7550-03041	Flexus G2 4x12 P0 840
	5000	1336 lm	209 lm/W	2289 lm	200 lm/W	4355 lm	182 lm/W	7550-03042	Flexus G2 4x12 P0 850
	5700	1336 lm	209 lm/W	2289 lm	200 lm/W	4355 lm	182 lm/W	7550-03043	Flexus G2 4x12 P0 857
	6500	1336 lm	209 lm/W	2289 lm	200 lm/W	4355 lm	182 lm/W	7550-03044	Flexus G2 4x12 P0 865

Up to
4355 lm!

Flexus 4x16 - MidPower LED-modules for Stradella Optics

- ✓ square module for installation in luminaires
- ✓ for 4x4, 4x8 and 4x16 optics from various manufacturers
- ✓ 64 Mid-Power LEDs
- ✓ pitch distance along and across 12.5 mm
- ✓ length 223 mm
- ✓ width 50 mm
- ✓ 4 connection terminals
- ✓ rated current 350 mA
- ✓ maximum operating current 700 mA
- ✓ maximum forward voltage 49.6 V
- ✓ with NTC for temperature monitoring



Up to
209 lm/W!

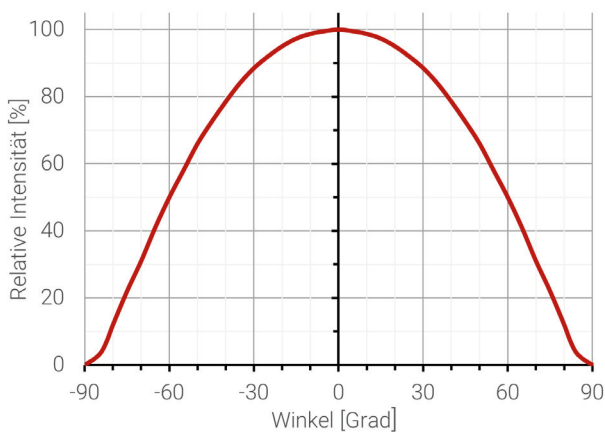
Please also refer to the technical data of the Flexus MidPower family on page 67. Further technical data and drawings from page 72.

CRI	CCT	Flux typ.	LPW typ.	Flux typ.	LPW typ.	Flux typ.	LPW typ.	order-nr.	description
		If = 200 mA Tc = 25 °C		If = 350 mA Tc = 25 °C		If = 700 mA Tc = 25 °C			
≥80	2700	1609 lm	186 lm/W	2756 lm	178 lm/W	5243 lm	162 lm/W	7550-03045	Flexus G2 4x16 P0 827
	3000	1714 lm	199 lm/W	2936 lm	190 lm/W	5587 lm	174 lm/W	7550-03046	Flexus G2 4x16 P0 830
	3500	1714 lm	199 lm/W	2936 lm	190 lm/W	5587 lm	174 lm/W	7550-03047	Flexus G2 4x16 P0 835
	4000	1781 lm	209 lm/W	3052 lm	200 lm/W	5806 lm	182 lm/W	7550-03048	Flexus G2 4x16 P0 840
	5000	1781 lm	209 lm/W	3052 lm	200 lm/W	5806 lm	182 lm/W	7550-03049	Flexus G2 4x16 P0 850
	5700	1781 lm	209 lm/W	3052 lm	200 lm/W	5806 lm	182 lm/W	7550-03050	Flexus G2 4x16 P0 857
	6500	1781 lm	209 lm/W	3052 lm	200 lm/W	5806 lm	182 lm/W	7550-03051	Flexus G2 4x16 P0 865

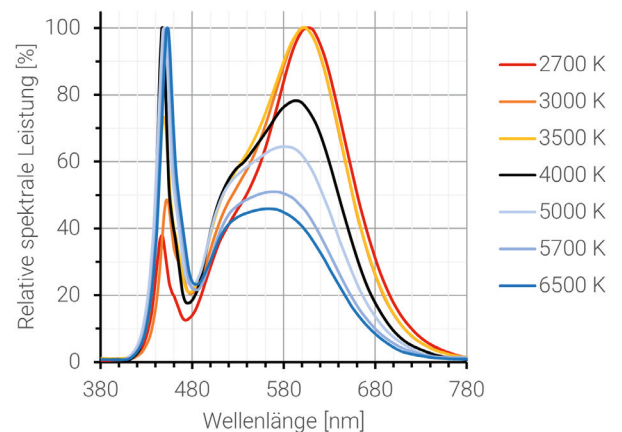
Up to
5806 lm!

Technical data: Flexus - MidPower LED-modules Stradella Optics

Light distribution curve



Spectrum



Lifetime of the LEDs used

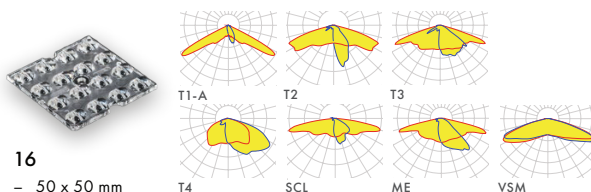
- The lifetime data is based on TM21 extrapolations of the available LM80 data of the LEDs used. They are to be regarded as purely informative data from which no warranty claim can be derived.

description	If	Tc	L70 B50	L70 B10	L80 B50	L80 B10	L90 B50	L90 B10
Flexus G2 4x... P0 8xx	700 mA	85 °C	> 102.000 h	> 102.000 h	> 102.000 h	> 102.000 h	> 50.000 h	> 50.000 h

Matching example standard optics from LEDiL

STRADELLA

Cost-efficient product family of single lenses and dense lens arrays.



Source: https://www.ledil.com/wp-content/uploads/2022/09/Guide_for_Street_lighting_optics_v1.0_2022_WEB.pdf



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Rev 2 / 05-2025