

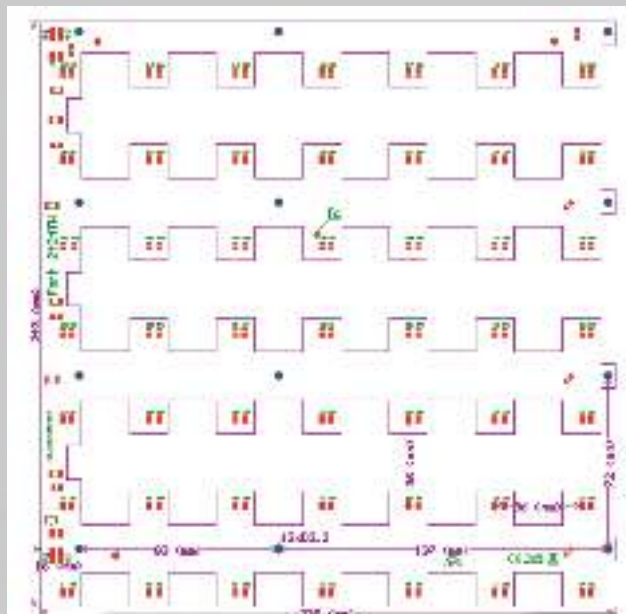
LED FORK 2424HD+TW

Product description

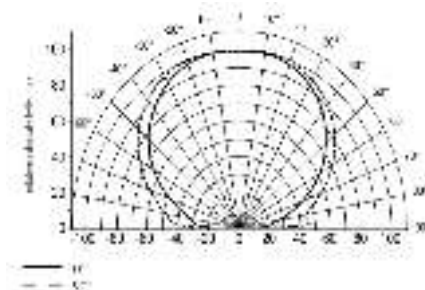
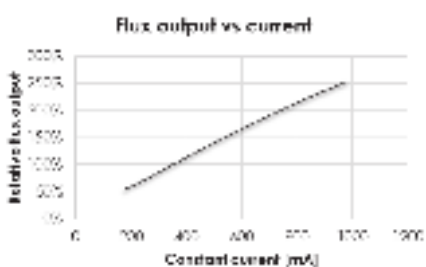
- Ideal for panel lights
- Luminous flux range from 1600 – 6300 lm
- Efficacy of the module up to 195 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 4)
- Small luminous flux tolerances
- Colour temperatures from 2200 to 6500 K
- Tunable White option
- Push terminals for quick and simple wiring of LED modules
- Long life-time: 40,000 hours



FORK 2424HD modules with Samsung/Osram LED chips of the latest generation achieve maximum efficiency values and optimum light uniformity. The modules have been specifically developed for use in panel luminaires with diffused light. The product range covers colour temperatures from 2200K to 6500K with CRI > 80 and module efficiency of up to 191 lm/W. The module is driven by constant current max 980mA with voltage of max 22V. The design is improved for simple installation. The module family covers the standard –243mm/239mm – used in the usual 30/60, 60/60 30/120 panels with diffused light. Now added Tunable white module to the family with standard 2 channels with options for tuning from 2200K to 6500K.



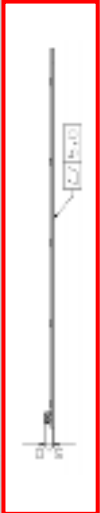
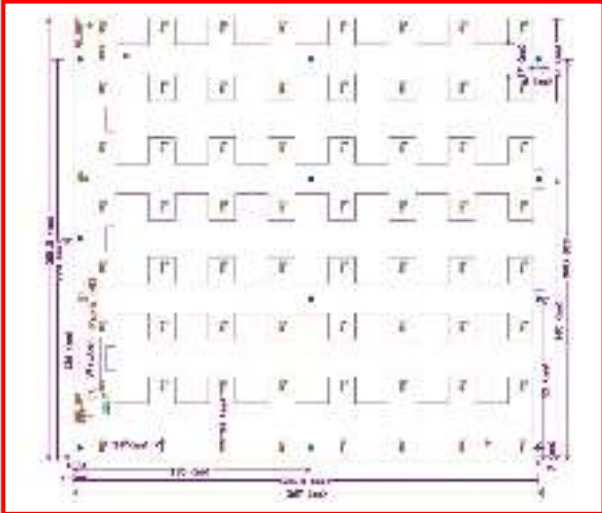
FORK 2424HD+TW	Photo-metric code	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 45 °C	Typ. Voltage at tp=25 °C	Typ. power consumption at tp = 25 °C	Typ. power consumption at tp = 45 °C	Luminous efficacy module at tp = 25 °C	CRI
High efficiency @ 250 mA / channel	830	1674 Lm	1618 Lm	18.34 V	9.17 W	9.1 W	183 Lm/W	>80
	840	1764 Lm	1706 Lm	18.34 V	9.17 W	9.1 W	193 Lm/W	>80
	850	1790 Lm	1730 Lm	18.34 V	9.17 W	9.1 W	195 Lm/W	>80
Typical current @ 350 mA / channel	830	2312 Lm	2244 Lm	18.62 V	13.04 W	12.94 W	178 Lm/W	>80
	840	2448 Lm	2366 Lm	18.62 V	13.04 W	12.94 W	188 Lm/W	>80
	850	2482 Lm	2402 Lm	18.62 V	13.04 W	12.94 W	191 Lm/W	>80
High output @ 980 mA / channel	830	5888 Lm	5690 Lm	19.74 V	38.7 W	38.42 W	152 Lm/W	>80
	840	6208 Lm	5998 Lm	19.74 V	38.7 W	38.42 W	160 Lm/W	>80
	850	6298 Lm	6086 Lm	19.74 V	38.7 W	38.42 W	163 Lm/W	>80
Tunable White @ 350 mA / channel	827	2250 Lm	2174 Lm	18.62 V	13.04 W	12.94 W	173 Lm/W	>80
	830	2312 Lm	2244 Lm	18.62 V	13.04 W	12.94 W	178 Lm/W	>80
	850	2482 Lm	2402 Lm	18.62 V	13.04 W	12.94 W	191 Lm/W	>80
	865	2448 Lm	2366 Lm	18.62 V	13.04 W	v W	188 Lm/W	>80



LED FORK HD

Product description

- Ideal for linear and panel lights
- Luminous flux range from 1400 – 4580 lm
- Efficacy of the module up to 190 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)
- Small luminous flux tolerances
- Colour temperatures from 2700 to 6500 K
- Good uniform light, even if several LED modules are used together in a line
- Self-cooling (no additional heat sink required)
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 40,000 hours



Fork HD module with LED chips of the latest generation achieve maximum efficiency values and optimum light uniformity. The modules have been specifically developed for use in panel luminaires with diffused light. The product range covers colour temperatures Warm White 2700, 3000K, Neutral White 4000K and Cold White 5000, 6000K with CRI > 80 and module efficiency of up to 190 lm/W. The module is driven by constant current max 500mA/1200mA with voltage of max 25V. The design is improved for simple installation. The module family covers the standard –267mm/252mm – used in the usual 30/60 and 60/60 panels with diffused light.

Fork HD	Photometric code	Typ. luminous flux at tp = 25 °C	Typ. Voltage at tp=25 °C	Typ. power consumption at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Colour rendering index CRI
Module Low cost Efficiency at constant current 500mA	830	1400 Lm	24.75 V	12.38 W	113 Lm/W	>80
	840	1470 Lm	24.75 V	12.38 W	118 Lm/W	>80
	850	1530 Lm	24.75 V	12.38 W	123 Lm/W	>80
Module High Output at constant current 1200mA	830	3650 Lm	24.4 V	29.3 W	124 Lm/W	>80
	840	3840 Lm	24.4 V	29.3 W	131 Lm/W	>80
	850	4000 Lm	24.4 V	29.3 W	136 Lm/W	>80
Module High Efficiency at constant current 500mA	830	1980 Lm	22.4 V	11.2 W	170 Lm/W	>80
	840	2040 Lm	22.4 V	11.2 W	180 Lm/W	>80
	850	2110 Lm	22.4 V	11.2 W	185 Lm/W	>80
Module High Efficiency and High Output at constant current 1200mA	830	4280 Lm	24.65 V	29.6 W	144 Lm/W	>80
	840	4400 Lm	24.65 V	29.6 W	148 Lm/W	>80
	850	4500 Lm	24.65 V	29.6 W	152 Lm/W	>80

LED FORK

Product description

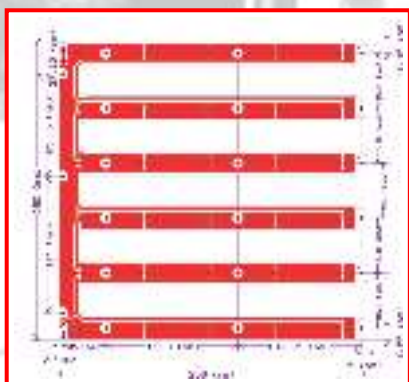


- Ideal for linear and panel lights
- Luminous flux range from 870 – 1584 lm
- Efficacy of the module up to 167 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)
- Small luminous flux tolerances
- Colour temperatures from 3000 to 6500 K
- Good uniform light, even if several LED modules are used together in a line
- Self-cooling (no additional heat sink required)
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours

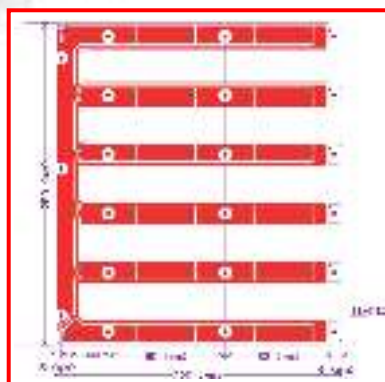
Fork module with Samsung LED chips of the latest generation achieve maximum efficiency values and optimum light uniformity. The modules have been specifically developed for use in panel luminaires. The product range covers colour temperatures Warm White 2700, 3000K, Neutral White 4000K and Cold White 5000, 6000K with CRI > 80 and module efficiency of up to 139 lm/W. The module is driven by constant current max 700mA with voltage of max 16V. The design is improved for simple installation. The module family covers two standards – Fork SQ30 2625 - 259mm/250mm and Fork RT30 2225 - 220mm/250mm.

Fork SQ30 2625 Fork RT30 2225	Photometric code	Typ. luminous flux at tp = 25 °C	Typ. Voltage at tp=25 °C	Typ. power consumption at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Colour rendering index CR
Operating mode High Efficiency at constant current 390mA	830	870 Lm	14.75 V	5.75 W	151 Lm/W	>80
	840	930 Lm	14.75 V	5.75 W	161 Lm/W	>80
	850	960 Lm	14.75 V	5.75 W	167 Lm/W	>80
Operating mode High Output at constant current 700mA	830	1435 Lm	15.7 V	11 W	130 Lm/W	>80
	840	1534 Lm	15.7 V	11 W	139 Lm/W	>80
	850	1584 Lm	15.7 V	11 W	144 Lm/W	>80

Fork SQ30 2625



Fork RT30 2225





Office 21V-42V

Product description

- Ideal for linear and panel lights
- Luminous flux range from 1500 – 2100 lm
- Efficacy of the module up to 158 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)
- Small luminous flux tolerances
- Colour temperatures from 2700 to 6500 K
- Good uniform light, when several LED modules are used together in a line
- High efficient Samsung LED chips
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours

Office 21V-42V with LED chips of the latest generation achieve maximum efficiency values and optimum light uniformity. The modules have been specifically developed for use in planar luminaires. The product range covers colour temperatures Warm White 2700, 3000K, Neutral White 4000K and Cold White 5000, 6000K with CRI > 80 and module efficiency of up to 158 lm/W. The module is driven by constant current max 700mA with voltage of max 22V. The design is improved for simple installation. The module is designed to replace T5/T8 flourescent tube 600mm. We supply a specially designed diffuser with holders to cover the LEDs. At custom request we can produce this module with different color and higher CRI. This LED engine is designed for one of the latest LED fixtures of the company and can be delivered as a set of LED PCBs, driver, diffusers, caps for the diffusers and holders for a different housing.

Office 21V-42V	Photometric code	Typ. luminous flux at tp = 25 °C	Typ. Voltage at tp=25 °C	Typ. power consumption at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Colour rendering index CR
Operating mode High Efficiency at constant current 500mA	830	1579 Lm	21.2 V	10.6 W	149 Lm/W	>80
	840	1646 Lm	21.2 V	10.6 W	155 Lm/W	>80
	850	1680 Lm	21.2 V	10.6 W	158 Lm/W	>80
Operating mode High Output at constant current 700mA	830	1974 Lm	22.1 V	15.5 W	127 Lm/W	>80
	840	2058 Lm	22.1 V	15.5 W	133 Lm/W	>80
	850	2100 Lm	22.1 V	15.5 W	135 Lm/W	>80

ProLight 1200

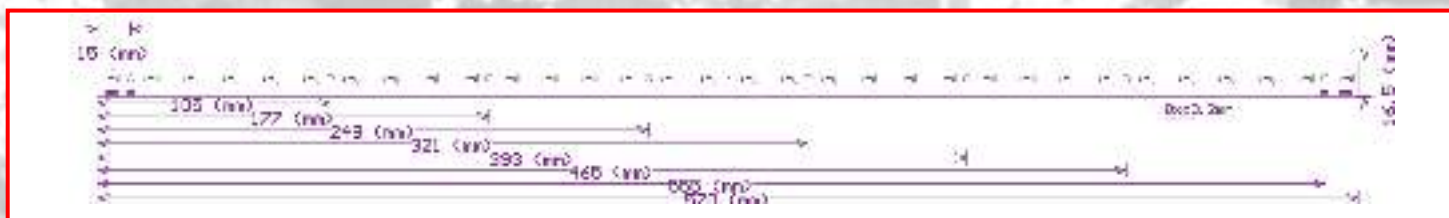
Product description

- Ideal for linear and panel lights
- Perfect for replacing 1200mm florescent tube
- Luminous flux range from 970 – 1970 lm
- Efficacy of the module up to 176 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)
- Small luminous flux tolerances
- Colour temperatures from 2700 to 6500 K
- Good uniform light, when several LED modules are used together in a line
- Samsung high efficiency LED chips
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours

ProLight 1200 module with LED chips of the latest generation achieve maximum efficiency values and optimum light uniformity. The modules have been specifically developed for use in planar luminaires to replace two parallel 1200mm fluorescent tube (by 4 LED engines in series). The product range covers colour temperatures Warm White 2700, 3000K, Neutral White 4000K and Cold White 5000, 6000K with CRI > 80 and module efficiency of up to 176 lm/W. The module is driven by constant current max 1050mA with voltage of max 13V. The design is improved for simple installation.

ProLight 1200	Photometric code	Typ. luminous flux at tp = 25 °C	Typ. Voltage at tp=25 °C	Typ. power consumption at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Colour rendering index CR
Operating mode High Efficiency at constant current 500mA	830	972 Lm	11.76 V	5.88 W	165 Lm/W	>80
	840	1004 Lm	11.76 V	5.88 W	171 Lm/W	>80
	850	1035 Lm	11.76 V	5.88 W	176 Lm/W	>80
Operating mode High Output at constant current 1050mA	830	1855 Lm	12.84 V	13.48 W	138 Lm/W	>80
	840	1915 Lm	12.84 V	13.48 W	142 Lm/W	>80
	850	1975 Lm	12.84 V	13.48 W	147 Lm/W	>80

ProLight 1200



ProLight 1500

Product description

- Ideal for linear and panel lights
- Perfect for replacing 150cm florescent tube
- Luminous flux range for set 2600 – 4000 lm
- Efficacy of the module up to 167 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)
- Small luminous flux tolerances
- Colour temperatures from 2700 to 6500 K
- Good uniform light, when several LED modules are used in a line
- Samsung high efficiency LED chips
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours

ProLight 1500 module set with LED chips of the latest generation achieve maximum efficiency values and optimum light uniformity. The modules have been specifically developed for use in planar luminaires to replace two parallel 1500mm fluorescent tube (by 4 ProLight 1500-1 and 2 ProLight 1500-2 LED engines in series). The product range covers colour temperatures Warm White 2700, 3000K, Neutral White 4000K and Cold White 5000, 6000K with CRI > 80 and module efficiency of up to 167 lm/W. The module set is driven by constant current max 1050mA with voltage of max 50V. The design is improved for simple installation and for standard constant current SELV power supplies.

ProLight 1500	Photometric code	Typ. luminous flux at tp = 25 °C	Typ. Voltage at tp=25 °C	Typ. power consumption at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Colour rendering index CR
ProLight 1500-1 Operating mode High Efficiency at constant current 700mA	830	977 Lm	8.91 V	6.24 W	157 Lm/W	>80
	840	1008 Lm	8.91 V	6.24 W	162 Lm/W	>80
	850	1040 Lm	8.91 V	6.24 W	167 Lm/W	>80
ProLight 1500-1 Operating mode High Output at constant current 1050mA	830	1414 Lm	9.3 V	9.77 W	145 Lm/W	>80
	840	1459 Lm	9.3 V	9.77 W	149 Lm/W	>80
	850	1505 Lm	9.3 V	9.77 W	154 Lm/W	>80
ProLight 1500-2 Operating mode High Efficiency at constant current 700mA	830	651 Lm	5.94 V	4.16 W	156 Lm/W	>80
	840	672 Lm	5.94 V	4.16 W	162 Lm/W	>80
	850	693 Lm	5.94 V	4.16 W	167 Lm/W	>80
ProLight 1500-2 Operating mode High Output at constant current 1050mA	830	943 Lm	6.2 V	6.51 W	145 Lm/W	>80
	840	973 Lm	6.2 V	6.51 W	149 Lm/W	>80
	850	1003 Lm	6.2 V	6.51 W	154 Lm/W	>80



ProLight 1500-1
(10 strings X 3 led)



ProLight 1500-2
(10 strings X 2 led)

440D CV

Product description

- Ideal for linear and panel lights
- Luminous flux range from 1240 – 1850 lm
- Efficacy of the module up to 132 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)
- Small luminous flux tolerances
- Colour temperatures from 2700 to 6500 K
- Good uniform light, even if several LED modules are used together in a line
- Aluminum base for best thermoconductivity
- Low flickering <0.2%
- Osram LED chips
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours

440D CV module with LED chips of the latest generation achieve maximum efficiency values and optimum light uniformity. The additional DC/DC driver ensures very low flickering index <0.2% that covers even the highest standards. The modules have been specifically developed for use in panel luminaires. The product range covers colour temperatures Warm White 2700, 3000K, Neutral White 4000K and Cold White 5000, 6000K with CRI > 80 and module efficiency of up to 132 lm/W. The module is driven by constant voltage at 36VDC. The design is improved for simple installation. This LED engine is designed to fit a patented aluminum profile where it is pressed into to ensure best heat dissipation. Custom higher CRI can be achieved.

440D	Photometric code	Typ. luminous flux at tp = 25 °C	Typ. Voltage at tp=25 °C	Typ. power consumption at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Colour rendering index CR
Operating mode High Efficiency at constant current 280mA	830	1240 Lm	36 V	10 W	124 Lm/W	>80
	840	1293 Lm	36 V	10 W	129 Lm/W	>80
	850	1320 Lm	36 V	10 W	132 Lm/W	>80
Operating mode High Output at constant current 400mA	830	1741 Lm	36 V	14.4 W	121 Lm/W	>80
	840	1816 Lm	36 V	14.4 W	126 Lm/W	>80
	850	1854 Lm	36 V	14.4 W	129 Lm/W	>80