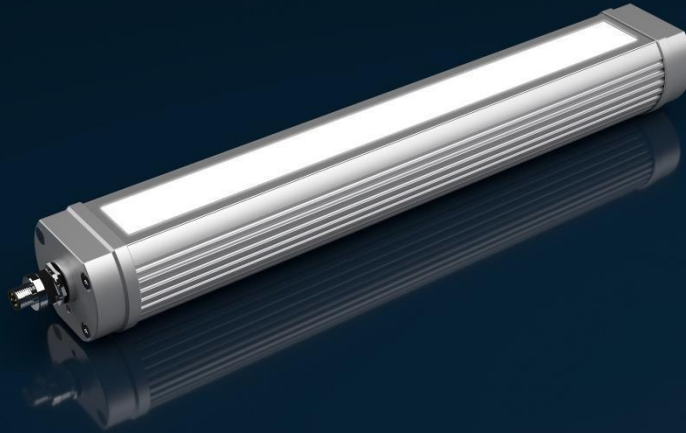


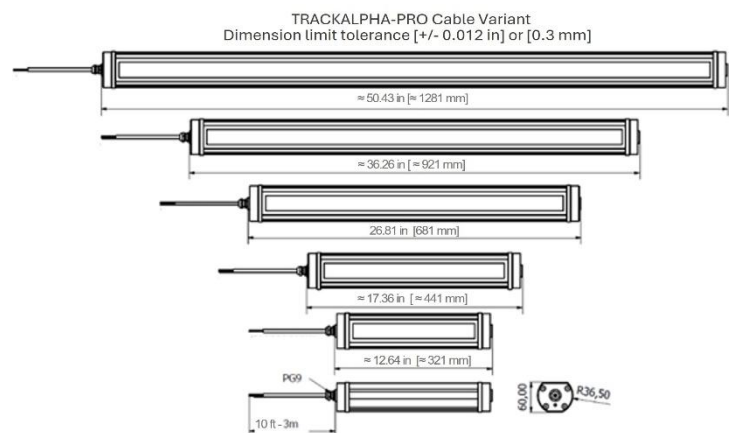
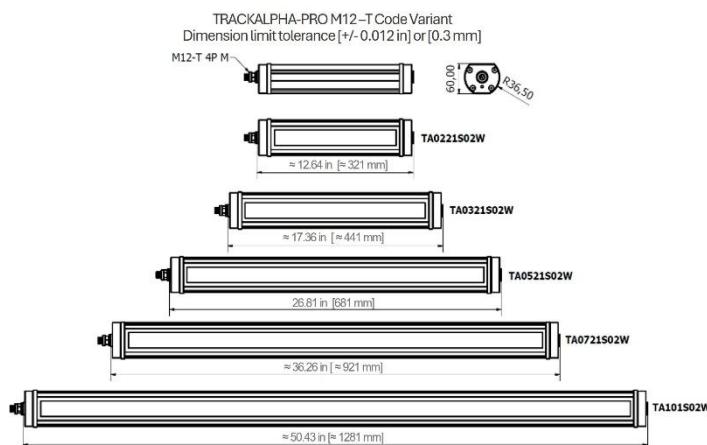


The new TRACKALPHA-PRO 24 Vdc Version is the surface-mount machine light for CNC machines, manufacturing applications, and industrial automation. TRACKALPHA-PRO is the solution for switching from the old fluorescent tubes to an advanced LED Luminaire. The body is entirely made of extruded aluminum and machine-made side caps with bonded hardened glass, making TRACKALPHA-PRO impenetrable to oil, lubricants, powder, dust, and resistant to metal chips and debris.

24 Vdc built-in drivers electrical Supply via M12 Connector A-code or 10 ft cable. 2 heavy-duty kit brackets for strong mounting, allowing precise light adjustment up to 90°, secure fastening, and flexible installation. The powerful neodymium magnet aids in applications that require a portable luminaire. TRACKALPHA-PRO offers five standard lengths to meet the different application specifications.

- Robust 2,3/4" in Diam Aluminum Body
- Hardened frosted glass 1/5" thick for high impact resistance and uniform brightness.
- IP67-69 Protection Rate
- 60,000 hours > (L 70)LED lifespan:
- 5000 K - CRI 85 Light Temperature
- 5 standard lengths available to meet all different application requirements
- 24V via M12 T-code or 10 ft [3 m] cable for more flexibility
- 120° with Reflector- 125° with diffuser to provide wide and intense illumination
- TAF02-TAFX03 side brackets, TACLIP rear clips mounting options, or Magnet Disk
- Approval: cURus Approved in compliance with UL2018- CSA / CE mark, and Rohs compliant

DIMENSIONS



MECHANICAL FEATURES

Model	TA0221S02W	TA0221S03W TA0221S04W	TA0321S02W	TA0321S03W TA0321S04W	TA0521S02W	TA0521S03W TA0521S04W	TA0721S02W	TA0721S03W TA0721S04W	TA1021S02W	TA1021S03W TA1021S04W
Body	Extrusion Aluminum Alloy									
Caps	Machine-made Aluminum Alloy									
Finishing	Aluminum Oxidation									
Front Glass	Hardened frosted glass 1/5" thickness [5 mm] IK07 Impact									
Glass IK	1.00 N m/s IMPACT									
Weight	2.65 lb. (1.20kg)	3.09 lb. (1.4kg)	3.64 lb. (1.65kg)	4.08 lb. (1.85kg)	5.62 lb. (2.55kg)	6.06 lb. (2.75kg)	7.28 lb. (3.30kg)	7.72 lb. (3.50kg)	10.25 lb. (4.65 kg)	10.70 lb. (4.85kg)
Protection Rate	IP67	IP67- IP69	IP67	IP67- IP69	IP67	IP67- IP69	IP67	IP67- IP69	IP67	IP67- IP69
	Compatible with NEMA Type 12									
Operating Temperature	04°F (-20°C) to +113°F (+ 45°C)									
Installation	TAFX02-TAFX03 Stainless-steel side brackets / TACLIP Aluminum rear Clamp / Magnet B03									

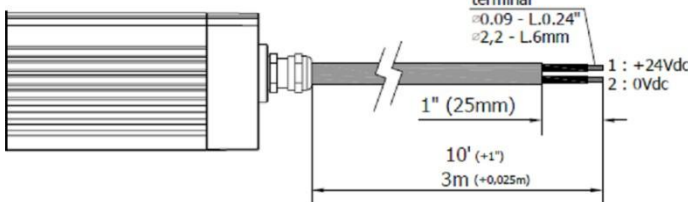
ELECTRICAL FEATURES

Model	TA0221S02W	TA0221S03W TA0221S04W	TA0321S02W	TA0321S03W TA0321S04W	TA0521S02W	TA0521S03W TA0521S04W	TA0721S02W	TA0721S03W TA0721S04W	TA1021S02W	TA1021S03W TA1021S04W
Power	13 W		19.5 W		32.5 W		45.5 W		65 W	
Power Supply	22-28 Vdc									
Current	0.56 Amp - 24 Vdc		0.85 Amp - 24 Vdc		1.35 Amp - 24 Vdc		1.9 Amp - 24 Vdc		2.7 Amp - 24 Vdc	
Protection	Complete protection against reverse polarity									
Electrical service	M12 T-Code	Cable 10 ft [3 m]	M12 A-Code	Cable 10 ft [3 m]	M12 T-Code	Cable 10 ft [3 m]	M12 T-Code	Cable 10 ft [3 m]	M12 T-Code	Cable 10 ft [3 m]
Electrical Class Protection	Class III (SELV)									
Efficiency Class	E (Integrated LED module) compliant with UE LAW No. 2019/2020									

CONNECTION* with M12-4P Male T Coding

Male (luminaire)	Female (Power Supply)	PIN	Electrical Connection
		1	[+] 24 Vdc
		2	NOT CONNECTED
		3	[0] Ground
		4	NOT CONNECTED

CONNECTION with 10 ft. [3m] Cable

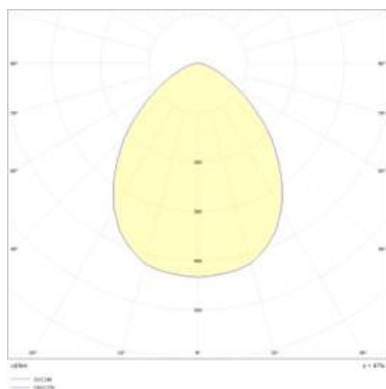
PVC 2x AWG 18, [1.0 mm ²] L= 10 ft. [3 m]	Conductor	Electrical Connection
	[1] Black Coating	[+] 24 Vdc
	[2] Black Coating	[0] Ground

OPTICAL FEATURES

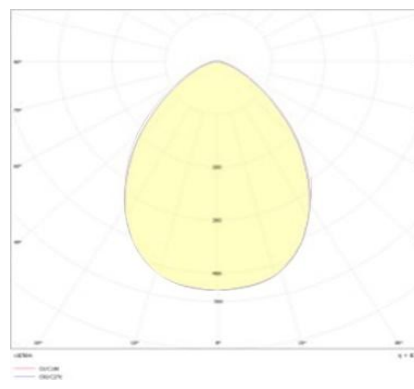
Model	N° and Type of LEDs	LED Lifespan	Light Color	CRI	Light Beam Angle	Luminous Flux	Efficiency
TA0221S02W	42 Mid-Power LED	60.000 L70**	5000 K	85	120°	~1510 lm	~116 lm/W
TA0221S03W	42 Mid-Power LED	60.000 L70**	5000 K	85	120°	~1510 lm	~116 lm/W
TA0221S04W	42 Mid-Power LED	60.000 L70**	5000 K	85	125°	~1460 lm	~113 lm/W
TA0321S02W	63 Mid-Power LED	60.000 L70**	5000 K	85	120°	~2265 lm	~116 lm/W
TA0321S03W	63 Mid-Power LED	60.000 L70**	5000 K	85	120°	~2265 lm	~116 lm/W
TA0321S04W	63 Mid-Power LED	60.000 L70**	5000 K	85	125°	~2200 lm	~113 lm/W
TA0521S02W	105 Mid-Power LED	60.000 L70**	5000 K	85	120°	~3770 lm	~116 lm/W
TA0521S03W	105 Mid-Power LED	60.000 L70**	5000 K	85	120°	~3770 lm	~116 lm/W
TA0521S04W	105 Mid-Power LED	60.000 L70**	5000 K	85	125°	~3660 lm	~113 lm/W
TA0721S02W	147 Mid-Power LED	60.000 L70**	5000 K	85	120°	~5280 lm	~116 lm/W
TA0721S03W	147 Mid-Power LED	60.000 L70**	5000 K	85	120°	~5280 lm	~116 lm/W
TA0721S04W	147 Mid-Power LED	60.000 L70**	5000 K	85	125°	~5150 lm	~113 lm/W
TA1021S02W	210 Mid-Power LED	60.000 L70**	5000 K	85	120°	~7550 lm	~116 lm/W
TA1021S03W	210 Mid-Power LED	60.000 L70**	5000 K	85	120°	~7550 lm	~116 lm/W
TA1021S04W	210 Mid-Power LED	60.000 L70**	5000 K	85	125°	~7350 lm	~113 lm/W

PHOTOMETRIC DIAGRAMS

120° Flow beam



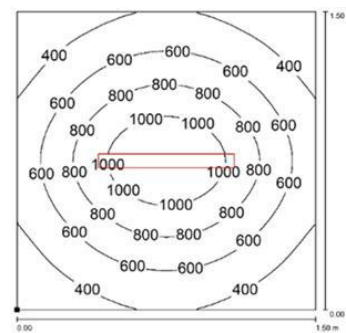
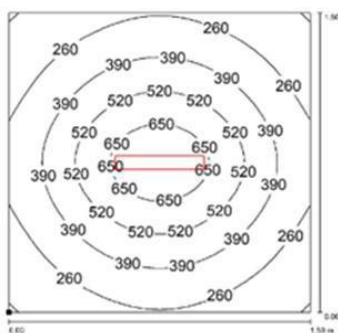
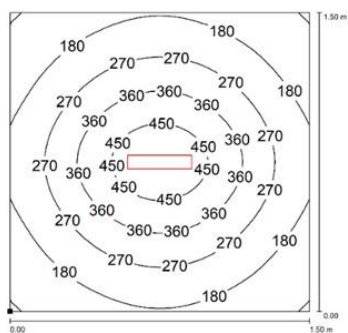
125° Flow beam



TA0221S02W / TA0221S03W / TA0221S04W

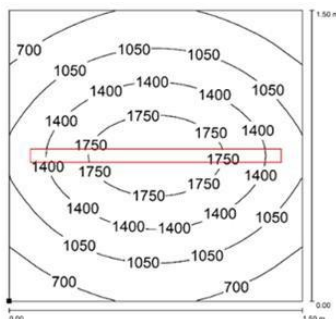
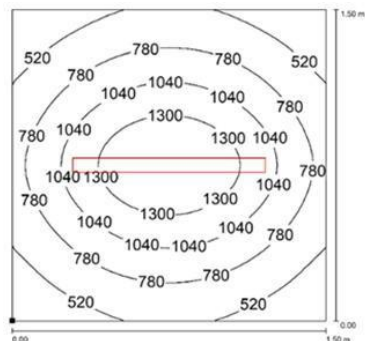
TA0321S02W / TA0321S03W / TA0321S04W

TA0521S02W / TA0521S03W / TA0521S04W



TA0721S02W / TA0721S03W / TA0721S04W

TA1021S02W / TA1021S03W / TA1021S04W



ELECTRICAL SERVICE OPTION M12 Cable and Connector

Product image	Description	Code product
	M12; PIN: 4; female; T Code-Power, 12 Amp; Straight for cable Ø 0.32-0.39 (8-10 mm); screw terminal-	N13110001040302
	Pre-Assembled M12 4Pin, FEMALE, T Coding, CABLE 16.40 ft [5 m]	M12TF5

MOUNTING OPTIONS

Product pictures	Description	Code product
	A 90° angle adjustment stainless steel bracket is robust, versatile, and vibration-resistant. It is the perfect solution for adjusting the direction of the flow beam in high-vibrating applications.	TAFX02-TAFX03
	It is a 45° angle adjustment bracket made of anodized aluminum. It is sturdy, flexible, and vibration-resistant, making it the perfect solution for retrofitting obsolete machine tools and machining centers.	TACLIP
	Strong magnetic disc made of neodymium. Use along with TAFX02 brackets when you need to move the light frequently and to different positions. Suitable to use in high-vibrating applications.	B03

ORDER CODES

Model	Description
TA0221S02W	TRACKALPHA PRO, 12.64"(321 mm), Reflector 120°, 13W, 24Vdc, M12-T 4P Male
TA0221S03W	TRACKALPHA PRO, 12.64"(321 mm), Reflector 120°, 13W, 24Vdc, Cable 10ft (3mt)
TA0221S04W	TRACKALPHA PRO, 12.64"(321 mm), Diffuser 110°, 13W, 24Vdc, Cable 10ft (3mt)
TA0321S02W	TRACKALPHA PRO, 17.36"(441 mm), Reflector 120°, 19.5W, 24Vdc, M12-T 4P Male
TA0321S03W	TRACKALPHA PRO, 17.36"(441 mm), Reflector 120°, 19.5W, 24Vdc, Cable 10ft (3mt)
TA0321S04W	TRACKALPHA PRO, 17.36"(441 mm), Diffuser 110°, 19.5W, 24Vdc, Cable 10ft (3mt)
TA0521S02W	TRACKALPHA PRO, 26.81"(681 mm), Reflector 120°, 32.5W, 24Vdc, M12-T 4P Male
TA0521S03W	TRACKALPHA PRO, 26.81"(681 mm), Reflector 120°, 32.5W, 24Vdc, Cable 10ft (3mt)
TA0521S04W	TRACKALPHA PRO, 26.81"(681 mm), Diffuser 110°, 32.5W, 24Vdc, Cable 10ft (3mt)
TA0721S02W	TRACKALPHA PRO, 36.26"(921 mm), Reflector 120°, 45.5W, 24Vdc, M12-T 4P Male
TA0721S03W	TRACKALPHA PRO, 36.26"(921 mm), Reflector 120°, 45.5W, 24Vdc, Cable 10ft (3mt)
TA07221S04W	TRACKALPHA PRO, 36.26"(921 mm), Diffuser 110°, 45.5W, 24Vdc, Cable 10ft (3mt)
TA1021S02W	TRACKALPHA PRO, 50.43"(1281 mm), Reflector 120°, 65W, 24Vdc, M12-T 4P Male
TA1021S03W	TRACKALPHA PRO, 50.43"(1281 mm), Reflector 120°, 65W, 24Vdc, Cable 10ft (3mt)
TA1021S04W	TRACKALPHA PRO, 50.43"(1281 mm), Diffuser 110°, 65W, 24Vdc, Cable 10ft (3mt)
TAFX02	TRACKALPHA, stainless steel side brackets kit 90°
TACLIP	TRACKALPHA, rear mounting clips kit
B03	Magnet Diam 1.9" (48 mm)
N13110001040302	M12; PIN: 4; female; T Code-Power; Straight for cable Ø 0.32-0.39 (8-10 mm); screw terminal
M12TF5	Pre-Assembled M12 4Pin, FEMALE, T Coding, CABLE 16.40 ft [5 m]