

POLARIS I LED

Zone 2/22

II 3G Ex nR IIC T6/T5 Gc

II 3D Ex tc IIIC T80°C/90°C Dc

Explosion-proof luminaires for the illumination of indoor and outdoor industrial spaces with the danger of gas, vapour and dust explosion.



TECHNICAL DESCRIPTION

The body and flange of the light fitting are AISi alloy casting winished with RAL 1005. The optical cover is made of hardneded glass. On the rear side of the housing there is one cable gland (quick connector). Inside the luminaire, an LED module is integrated. The bracket allows the floodlight to be adjusted to the desired position. The maximum cross-section of the connecting conductors is 2.5 mm². The luminaire is supplied as standard with a plastic cable gland; a metal cable gland is available on request.

INSTALLATION

On the ceiling, wall, or another solid substrate (strucrer) ensuring firm connection.

VERSION

Light fittings are provided with a self-resetting thermal fuse and a surge guard up to 10kV.

LIFETIME

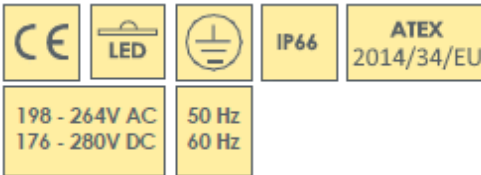
100.000 hours, L90B10

DRIVER FUNCTION

e CLO, ITG, IVG+, NFC, ETM+NTC, inputDIM

CONTROL

DALI-2



Type	Power input [W] /Luminous flux [lm]	Luminous efficiency [lm/W]	Temperature class	Angle of beam [°]	Color temperature [K]	CRI	Weight [kg]
593 01 01	125 / 17 500	140	T5 / T95°C T6 / T80°C	120	4000 (standard), 5000, 5700, 6500	>80	8
593 01 02	100 / 14 000	140	T5 / T95°C T6 / T80°C	120	4000 (standard), 5000, 5700, 6500	>80	8
593 01 03	75 / 11 550	151	T5 / T95°C T6 T 80°C	120	4000 (standard), 5000, 5700, 6500	>80	8
593 01 04	50 / 7 250	145	T5 / T95°C T6 / T80°C	120	4000 (standard), 5000, 5700, 6500	>80	8

MAXIMUM CIRCUIT BREAKER LOAD AND NUMBER OF LUMINAIRES CONNECTED IN SERIES

Circuit breaker	C10	C13	C16	C20	B10	B13	B16	B20
Amount of luminaires max	5	7	8	10	3	4	5	6
Conductor cross-section	1,5	1,5	2,5	4	1,5	1,5	2,5	4

Starting current Imax	time
65A	268us

* Actual values may vary due to the types of circuit breakers used and the installation environment.

Type	Ta -40°C <> +50°C	Ta +50°C<>+60°C	Ta +50°C <>+75°C
593 01 01	100 000 h	80 000 h	x
593 01 02	100 000 h	100 000 h	x
593 01 03	100 000 h	100 000 h	x
593 01 04	100 000 h	100 000 h	100 000 h

DIMENSIONED SKETCH

