



# **CoreLine Waterproof**

## WT120C LED60S/840 PSU TW3 L1500

Coreline Waterproof, 840 neutral white, Power supply unit (On/Off), Feed-through wiring 3-phase

CoreLine waterproof delivers on the CoreLine promise of innovative, easy-to-use and high-quality luminaires. With its slim and stylish design, it retains the product architecture that the range is well-known and appreciated for. Installation is quick and easy, all thanks to its efficient design. CoreLine waterproof provides better wide-beam light distribution for straightforward and effective lighting. A direct replacement for traditional waterproof luminaires with fluorescent lamps ranging from 18W up to 58W, it delivers significant energy savings. Interact Ready luminaires with integrated wireless communications are also available in the CoreLine waterproof range, ready to be used with Interact connected lighting system.

#### **Warnings and Safety**

- · UV radiation will damage the material over time resulting in loss of waterproof sealing and IP66 rating.
- · Do not install the luminaire in locations where it will be exposed to direct sunlight.

#### **Product data**

General Information	
Lamp family code	-
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver included	Yes
Feed-through wiring	Feed-through wiring 3-phase
Remarks	*-Per Lighting Europe guidance paper
	"Evaluating performance of LED based
	luminaires - January 2018": statistically there

	is no relevant difference in lumen
	maintenance between B50 and for example
	B10. Therefore, the median useful life (B50)
	value also represents the B10 value.
Service tag	Yes
Product family code	WT120C [Coreline Waterproof]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on easily flammable surfaces

Datasheet, 2023, December 5 data subject to change

## **CoreLine Waterproof**

Elect. Hark Glow-wire test EU RoHS compliant  Fee Son C, duration 30 s  EU RoHS compliant  Fee Son C, duration 30 s  EU RoHS compliant  Fee Son C, duration 30 s  EU RoHS compliant  Fee Son C, duration 30 s  EU RoHS compliant  Fee Son C, duration 30 s  EU RoHS compliant  Fee Son C, duration 30 s  EU RoHS compliant  Fee Son C, duration 30 s  EU RoHS compliant  Fee Son C, duration 30 s  EU RoHS compliant  Fee Son C, duration 30 s  EU RoHS compliant  Fee Son C, duration 30 s  EU RoHS compliant  Fee Son C, duration 30 s  EU RoHS compliant  Fee Son C, duration 30 s  EU RoHS compliant  Fee Son C, duration 30 s  EU RoHS compliant  Fee Son C, duration 30 s  EU RoHS compliant  Fee Son C, duration 30 s  EU RoHS compliant  Fee Son C, duration 30 s  EU RoHS compliant  Fee Son C, duration 30 s  Fee So	ENEC mark	ENEC mark
Light Technical  Luminous Flux 6,000 lm  Correlated Color Temperature (Nom) 4000 K  Luminous Efficacy (rated) (Nom) 125 lm/W  Color rendering index (CRI) 880  Number of light sources 1  Beam angle of light source 120 degree(s)  Light source color 840 neutral white  Optic type -  Luminaire light beam spread 110°  Unified glare rating CEN 25  Operating and Electrical  Input Voltage 220-240 V  Line Frequency 50 to 60 Hz  Inrush current 8 A  Inrush time 0.060 ms  Power Consumption 48 W  Power Factor (Fraction) 0.9  Connection 0.9  Connection 24  Number of products on MCB of 16 A type B  B  Temperature  Ambient temperature range -20 to +35 °C  Constant light output No  Mechanical and Housing  Housing Material Polycarbonate  Reflector material Steel  Optic material 5teel  Optic material 5teel		
Light Technical  Luminous Flux 6,000 lm  Correlated Color Temperature (Nom) 4000 K  Luminous Efficacy (rated) (Nom) 125 lm/W  Color rendering index (CRI) 280  Number of light sources 1  Beam angle of light source 120 degree(s)  Light source color 840 neutral white  Optic type -  Luminaire light beam spread 110°  Unified glare rating CEN 25  Operating and Electrical  Input Voltage 220-240 V  Line Frequency 50 to 60 Hz  Inrush current 8 A  Inrush time 0.060 ms  Power Consumption 48 W  Power Factor (Fraction) 0.9  Connection Push-in connector 5-pole  Cable -  Number of products on MCB of 16 A type B  Temperature  Ambient temperature range -20 to +35 °C  Controls and Dimming  Dimmable No  Driver/power unit/transformer Power supply unit (On/Off)  Constant light output No  Mechanical and Housing  Housing Material Polycarbonate  Reflector material Steel  Optic material -		
Luminous Flux 6,000 lm  Correlated Color Temperature (Nom) 4000 K  Luminous Efficacy (rated) (Nom) 125 lm/W  Color rendering index (CRI) ≥80  Number of light sources 1  Beam angle of light source 120 degree(s)  Light source color 840 neutral white  Optic type -  Luminaire light beam spread 110°  Unified glare rating CEN 25  Operating and Electrical Input Voltage 220-240 V  Line Frequency 50 to 60 Hz  Inrush current 8 A Inrush time 0.060 ms  Power Consumption 48 W  Power Factor (Fraction) 0.9  Connection Push-in connector 5-pole Cable -  Number of products on MCB of 16 A type B  Temperature  Ambient temperature range -20 to +35 °C  Controls and Dimming  Dimmable No  Driver/power unit/transformer Power supply unit (On/Off)  Constant light output No  Mechanical and Housing  Housing Material Polycarbonate  Reflector material Steel  Optic material -	EU ROHS COMPHANC	res
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Correlated Color Temperature (Nom) 4000 K Luminous Efficacy (rated) (Nom) 125 Im/W  Color rendering index (CRI) 280  Number of light source 120 degree(s) Light source color 840 neutral white  Optic type - Luminaire light beam spread 110°  Unified glare rating CEN 25  Operating and Electrical Input Voltage 220-240 V Line Frequency 50 to 60 Hz Inrush current 8 A Inrush time 0.060 ms  Power Consumption 48 W  Power Factor (Fraction) 0.9  Connection Push-in connector 5-pole  Cable - Number of products on MCB of 16 A type B  Temperature  Ambient temperature range -20 to +35 °C  Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off)  Constant light output No  Mechanical and Housing Housing Material Polycarbonate Reflector material Steel Optic material Steel		50001
Luminous Efficacy (rated) (Nom)  Color rendering index (CRI)  Ream angle of light source  120 degree(s)  Light source color  840 neutral white  Optic type  - Luminaire light beam spread  110°  Unified glare rating CEN  25  Operating and Electrical  Input Voltage  220-240 V  Line Frequency  50 to 60 Hz  Inrush current  8 A  Inrush time  0.060 ms  Power Consumption  48 W  Power Factor (Fraction)  Cable  - Number of products on MCB of 16 A type  B  Temperature  Ambient temperature range  -20 to +35 °C  Controls and Dimming  Dimmable  No Driver/power unit/transformer  Constant light output  No  Mechanical and Housing  Housing Material  Reflector material  Steel  Optic material  Steel  Optic material  10°  200 degree(s)  100  840 neutral white  100  840 neutral white  90  840		
Color rendering index (CRI) \$80  Number of light sources 1  Beam angle of light source 120 degree(s)  Light source color 840 neutral white  Optic type - Luminaire light beam spread 110°  Unified glare rating CEN 25  Operating and Electrical  Input Voltage 220-240 V  Line Frequency 50 to 60 Hz  Inrush current 8 A  Inrush time 0.060 ms  Power Consumption 48 W  Power Factor (Fraction) 0.9  Connection Push-in connector 5-pole  Cable -  Number of products on MCB of 16 A type B  Temperature  Ambient temperature range -20 to +35 °C  Controls and Dimming  Dimmable No  Driver/power unit/transformer Power supply unit (On/Off)  Constant light output No  Mechanical and Housing  Housing Material Polycarbonate  Reflector material Steel  Optic material Steel		
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Beam angle of light source  Light source color  B40 neutral white  Optic type  - Luminaire light beam spread  I10°  Unified glare rating CEN  Operating and Electrical  Input Voltage  Line Frequency  Inrush current  BA  Inrush time  O.060 ms  Power Consumption  48 W  Power Factor (Fraction)  Connection  Push-in connector 5-pole  Cable  - Number of products on MCB of 16 A type B  Temperature  Ambient temperature range  -20 to +35 °C  Controls and Dimming  Dimmable  No  Driver/power unit/transformer  Constant light output  Mechanical and Housing  Housing Material  Reflector material  Otion  110°  -250  -20 to +35 °C  -20 to +35 °C  Mechanical and Housing  Housing Material  Polycarbonate  Reflector material  Steel  Optic material		
Light source color Optic type - Luminaire light beam spread 110° Unified glare rating CEN 25  Operating and Electrical Input Voltage 220-240 V Line Frequency 50 to 60 Hz Inrush current 8 A Inrush time 0.060 ms Power Consumption 48 W Power Factor (Fraction) 0.9  Connection Push-in connector 5-pole Cable - Number of products on MCB of 16 A type B  Temperature Ambient temperature range -20 to +35 °C  Controls and Dimming Dimmable No Driver/power unit/transformer Constant light output  Mechanical and Housing Housing Material Reflector material Steel Optic material  55		
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Unified glare rating CEN 25  Operating and Electrical Input Voltage 220-240 V Line Frequency 50 to 60 Hz Inrush current 8 A Inrush time 0.060 ms Power Consumption 48 W Power Factor (Fraction) 0.9 Connection Push-in connector 5-pole Cable - Number of products on MCB of 16 A type B  Temperature Ambient temperature range -20 to +35 °C  Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No  Mechanical and Housing Housing Material Polycarbonate Reflector material Steel Optic material -		-
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Power Factor (Fraction)  Connection  Push-in connector 5-pole  Cable  Number of products on MCB of 16 A type B  Temperature  Ambient temperature range  -20 to +35 °C  Controls and Dimming  Dimmable  No  Driver/power unit/transformer  Power supply unit (On/Off)  Constant light output  Mechanical and Housing  Housing Material  Reflector material  Optic material  -		
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Cable - Number of products on MCB of 16 A type 24  B  Temperature Ambient temperature range -20 to +35 °C  Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off)  Constant light output No  Mechanical and Housing Housing Material Polycarbonate  Reflector material Steel  Optic material -	Power Factor (Fraction)	0.9
Number of products on MCB of 16 A type  B  Temperature  Ambient temperature range -20 to +35 °C  Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off)  Constant light output No  Mechanical and Housing Housing Material Polycarbonate  Reflector material Steel  Optic material -		Push-in connector 5-pole
Temperature  Ambient temperature range -20 to +35 °C  Controls and Dimming  Dimmable No Driver/power unit/transformer Power supply unit (On/Off)  Constant light output No  Mechanical and Housing Housing Material Polycarbonate  Reflector material Steel  Optic material -	Cable	-
Temperature  Ambient temperature range -20 to +35 °C  Controls and Dimming  Dimmable No Driver/power unit/transformer Power supply unit (On/Off)  Constant light output No  Mechanical and Housing  Housing Material Polycarbonate  Reflector material Steel  Optic material -		24
Ambient temperature range -20 to +35 °C  Controls and Dimming  Dimmable No  Driver/power unit/transformer Power supply unit (On/Off)  Constant light output No  Mechanical and Housing  Housing Material Polycarbonate  Reflector material Steel  Optic material -	В	
Ambient temperature range -20 to +35 °C  Controls and Dimming  Dimmable No  Driver/power unit/transformer Power supply unit (On/Off)  Constant light output No  Mechanical and Housing  Housing Material Polycarbonate  Reflector material Steel  Optic material -		
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Driver/power unit/transformer Power supply unit (On/Off)  Constant light output No  Mechanical and Housing  Housing Material Polycarbonate  Reflector material Steel  Optic material -		
Constant light output  Mechanical and Housing  Housing Material  Reflector material  Optic material  No  Polycarbonate  Steel  Optic material  -		
Mechanical and Housing Housing Material Polycarbonate  Reflector material Steel  Optic material -		
Housing Material Polycarbonate  Reflector material Steel  Optic material -	Constant light output	No
Housing Material Polycarbonate  Reflector material Steel  Optic material -		
Reflector material Steel Optic material -		
Optic material -		
	Reflector material	Steel
Optical cover material         Polycarbonate	Optic material	
	Optical cover material	Polycarbonate

Fixation material	Stainless steel	
Housing Color	Grey	
Optical cover finish	Textured	
Overall length	1,530 mm	
Overall width	87 mm	
Overall height	96 mm	
Dimensions (Height x Width x Depth)	96 x 87 x 1530 mm	
Approval and Application		
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]	
Mech. impact protection code	IK08 [5 J vandal-protected]	
Protection class IEC	Safety class I	
Initial Performance (IEC Compliant)		
Luminous flux tolerance	+/-10%	
Initial chromaticity	(0.38, 0.38) SDCM <3	
Power consumption tolerance	+/-10%	
Over Time Performance (IEC Compliant)		
Over Time Performance (IEC Compli	ant)	
Over Time Performance (IEC Complic Control gear failure rate at median useful		
Control gear failure rate at median useful	5%	
Control gear failure rate at median useful life 50000 h	5%	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h	5%	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life*	5%	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h	5%	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions	5 % L75	
Control gear failure rate at median useful life 50000 h  Lumen maintenance at median useful life* 50000 h  Application Conditions  Performance ambient temperature Tq	5 % L75 25 ℃	
Control gear failure rate at median useful life 50000 h  Lumen maintenance at median useful life* 50000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Suitable for random switching	5 %  L75  25 °C  Not applicable	
Control gear failure rate at median useful life 50000 h  Lumen maintenance at median useful life* 50000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level	5 %  L75  25 °C  Not applicable  Yes	
Control gear failure rate at median useful life 50000 h  Lumen maintenance at median useful life* 50000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Suitable for random switching	5 %  L75  25 °C  Not applicable  Yes  WT120C LED60S/840 PSU TW3 L1500	
Control gear failure rate at median useful life 50000 h  Lumen maintenance at median useful life* 50000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Suitable for random switching  Product Data	5 %  L75  25 °C  Not applicable  Yes	
Control gear failure rate at median useful life 50000 h  Lumen maintenance at median useful life* 50000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Suitable for random switching  Product Data  Order product name  Full product code	5 %  L75  25 °C  Not applicable  Yes  WT120C LED60S/840 PSU TW3 L1500  WT120C LED60S/840 PSU TW3 L1500  871869691688900	
Control gear failure rate at median useful life 50000 h  Lumen maintenance at median useful life* 50000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Suitable for random switching  Product Data  Order product name  Full product name	5 %  L75  25 °C  Not applicable  Yes  WT120C LED60S/840 PSU TW3 L1500  WT120C LED60S/840 PSU TW3 L1500	
Control gear failure rate at median useful life 50000 h  Lumen maintenance at median useful life* 50000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Suitable for random switching  Product Data  Order product name  Full product name  Full product code  Order code  Material Nr. (12NC)	5 %  L75  25 °C  Not applicable  Yes  WT120C LED60S/840 PSU TW3 L1500  WT120C LED60S/840 PSU TW3 L1500  871869691688900  910500458797  910500458797	
Control gear failure rate at median useful life 50000 h  Lumen maintenance at median useful life* 50000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Suitable for random switching  Product Data  Order product name  Full product code  Order code	5 %  L75  25 °C  Not applicable  Yes  WT120C LED60S/840 PSU TW3 L1500  WT120C LED60S/840 PSU TW3 L1500  871869691688900  910500458797	
Control gear failure rate at median useful life 50000 h  Lumen maintenance at median useful life* 50000 h  Application Conditions  Performance ambient temperature Tq  Maximum dim level  Suitable for random switching  Product Data  Order product name  Full product name  Full product code  Order code  Material Nr. (12NC)	5 %  L75  25 °C  Not applicable  Yes  WT120C LED60S/840 PSU TW3 L1500  WT120C LED60S/840 PSU TW3 L1500  871869691688900  910500458797  910500458797	

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EAN/UPC - Case

## **CoreLine Waterproof**

### Dimensional drawing



