



# **Metronomis LED Fluid**

## BDS670 GRN20-3S/830 PSU I MDW 60

Metronomis LED, LED GreenLine 2000 lm, Power supply unit (On/Off), Metronomis distribution wide, Spigot for diameter 60 mm

Philips Metronomis LED is the first post-top luminaire range in the world to offer a palette of lighting effects to give projects a unique contextual or aesthetic touch. An innovative play of reflection, light and shadow that casts a pattern on the ground, or in the bowl, to create additional ambience. Four iconic designs are available: Metronomis LED Torch (BDS650), Metronomis LED Torch with hat (BDS651), Metronomis LED Sharp (BDS660), and Metronomis LED Fluid (BDS670). Each luminaire design has a visual and modular link to Metronomis I, reduced to its essential elements. During the day, the discreet, transparent design blends into its urban context, whether that be contemporary or classical architecture and surroundings, while its night-time appearance is both functional and decorative. Flexible and modular, the Metronomis LED family comes with a range of columns and a wide variety of effects. This enables architects and lighting designers to create a unified, consistent lighting design across any cityscape, while still reflecting the differences in urban culture and history. Metronomis LED also offers all the benefits of LEDGINE. Energy saving, serviceable and upgradable, this luminaire range is designed to maintain excellent light quality over its lifetime.

#### **Product data**

General Information			
Lamp family code GRN20 [LED GreenLine 2000 lm]			
Light source replaceable	Yes		
Number of gear units	1 unit		
Driver included	Yes		
Photocell	-		

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. \* At

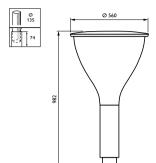
Datasheet, 2023, December 5 data subject to change

### **Metronomis LED Fluid**

Manifer				
Composition		extreme ambient temperatures the luminaire	Mechanical and Housing	
Upth   Source engine type   UED		might automatically dim down to protect	Housing Material	Aluminum
Product family code		components	Reflector material	Polycarbonate
Description   Comment	Light source engine type	LED	Optic material	Polycarbonate
Value ladder	Product family code	BDS670 [Metronomis LED]	Optical cover material	Polycarbonate
Mounting device	Lighting Technology	LED	Fixation material	Aluminum
Commark	Value ladder	Specification	Housing Color	Grey
Warranty period         5 years         Optical cover finish	Embedded control		Mounting device	Spigot for diameter 60 mm
Planmability mark   ENEC mark   ENEC mark   Clow-wire test   Temperature 650 °C, duration 5 s	CE mark	Yes	Optical cover shape	-
ENEC mark Glow-were tester Temperature 650 °C. duration 5 s Effective projected area 0.4396 m² Engress protection code indication ingress protection code indication ingression in grant and protection code indication in grant and protection in g	Warranty period	5 years	Optical cover finish	-
Selective projected area   0.4396 m²	Flammability mark		Overall height	990 mm
EU RoHS compliant Ves  Approval and Application Light Technical  Light Technical  Standard deviation color matching Standard deviation color matching Standard light output ratio Standard till sangle posttop Standard till angle posttop Standard till angle side entry Standard till angle standard surge protection level Protection class IEC Safety class I Surge Protection (Common/Differential) Protection class IEC Safety class I Surge Protection (Common/Differential) Protection class IEC Safety class I Surge Protection (Common/Differential) Protection class IEC Safety class I Surge Protection (Common/Differential) Protection class IEC Safety class I Surge Protection (Common/Differential) Protection class IEC Safety class I Surge Protection Size (EC Compliant) Surge Protection Size (EC Compliant) Size (Compliant) Si	ENEC mark	ENEC mark	Overall diameter	560 mm
Approval and Application   Ingress protection code   IPGG [Dust penetrationprotected, jet-prof]	Glow-wire test	Temperature 650 °C, duration 5 s	Effective projected area	0.4396 m²
Light Technical   Ingress protection code   IP66 [Dust penetration-protected, jet-proof]   Mach. Impact protection code   IRfol [20 J vanded-resistant]   IRfol [2	EU RoHS compliant	Yes		
Mech. Impact protection code   IKIO [20 J vanidal-resistant]			Approval and Application	
Upward light output ratio	Light Technical		Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Liminous Flux   1,824 lim   Protection class IEC   Safety class	Standard deviation color matching	5	Mech. impact protection code	IK10 [20 J vandal-resistant]
Standard tilt angle sostop - Standard tilt angle side entry - Correlated Color Temperature (Nom) 300 K Luminous Efficacy (rated) (Nom) 83 Im/W Color rendering index (CRI) >80 Power consumption tolerance +/-7% Luminous Fifty sources 1 Light source color 830 warm white Coptical cover type Polycarbonate bowl/cover Luminaire light beam spread 48° x 66° Control gear failure rate at median useful 10% Little 100000 h	Upward light output ratio	5	Surge Protection (Common/Differential)	Philips standard surge protection level
Standard tilt angle side entry   Correlated Color Temperature (Nom)   3000 K   Luminous Efficacy (rated) (Nom)   83 Im/W   Initial Chromaticity   (0.430, 0.300) SDCM <5	Luminous Flux	1,824 lm	Protection class IEC	Safety class I
Correlated Color Temperature (Nom) 3000 K Luminous Efficacy (rated) (Nom) 83 Im/W  Color rendering index (CRI) -80 Number of light sources 1 Light source color 830 warm white  Optical cover type Polycarbonate bowl/cover Luminaire light beam spread 48° x 66° Optic type outdoor Metronomis distribution wide  Optic Type outdoor Metronomis distribution wide  Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush time 0,29 ms Power Consumption 17,2 W Power Consumption 17,2 W Power Factor (Fraction) 0,95 Order of Order order and BDS670 GRN20-35/830 PSU I MDW 60 Connection Screw connector Full product name BDS670 GRN20-35/830 PSU I MDW 60 Cable - Full product code 87182918927790  Mumerator - Quantity Per Pack 1  Temperature  Temperature  Dimmable No Driver/power unit/transformer Power supply unit (On/Off)	Standard tilt angle posttop			
Luminous Efficacy (rated) (Nom) 83 Im/W Initial chromaticity (0.430, 0.300) SDCM <5  Color rendering index (CRI) >80  Number of light sources 1 Light source color 830 warm white  Optical cover type Polycarbonate bowl/cover  Luminaire light beam spread 48° x 66° Control gear failure rate at median useful 10 % Lumen maintenance at median useful life* L80  Operating and Electrical  Input Voltage 220 to 240 V  Line Frequency 50 to 60 Hz Application Conditions  Inrush time 0.29 ms  Power Consumption 17.2 W  Power Factor (Fraction) 0.95 Order product name 8DS670 GRN20-35/830 PSU I MDW 60  Cable - Power Super of Conducts on MCB of 16 A type 20  Number of products on MCB of 16 A type 20  Number of products on MCB of 16 A type 20  Removed the product code 87829189277900  Material Nr. (12NC) 910925438086  Material Nr. (12NC) 910925438086  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718291892779  Numerator - Packs per outer box 1  EAN/UPC - Case 8718291892779  Numerator - Packs per outer box 1  EAN/UPC - Case 8718291892779  Numerator - Packs per outer box 1  EAN/UPC - Case 8718291892779	Standard tilt angle side entry	-	Initial Performance (IEC Compliant)	
Power consumption tolerance	Correlated Color Temperature (Nom)	3000 K	Luminous flux tolerance	+/-7%
Number of light sources 1 Light source color 830 warm white Opticat cover type Polycarbonate bowl/cover Luminaire light beam spread 48° x 66° Optic type outdoor Metronomis distribution wide  Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 22 A Performance at median useful life* L80  Opwer Consumption 172 W Power Consumption 172 W Power Factor (Fraction) 0.95 Connection Screw connector Eable - Number of products on MCB of 16 A type B B  Temperature Ambient temperature range -40 to +50 °C  Controls and Dimming Dimmable No Driver/power unit/transformer  Init. Color Rendering Index Tolerance - /-2  Control gear failure rate at median useful 10 %  Lumen mainteannce at median useful life* L80  100000 h  Lumen mainteannce at median useful life* L80  100000 h  Lumen mainteannce at median useful life* L80  100000 h  Lumen mainteannce at median useful life* L80  100000 h  Lumen mainteannce at median useful life* L80  100000 h  Lumen mainteannce at median useful life* L80  100000 h  Lumen mainteannce at median useful life* L80  100000 h  Lumen mainteannce at median useful life* L80  100000 h  Lumen mainteannce at median useful life* L80  10 %  Lumen mainteannce at median useful life* L80  10 %  Lumen mainteannce at median useful life* L80  10 %  Lumen mainteannce at median useful life* L80  10 %  Lumen mainteannce at median useful life* L80  10 %  Lumen mainteannce at median useful life* L80  10 %  Lumen mainteannce at median useful life* L80  10 %  Lumen mainteannce at median useful life* L	Luminous Efficacy (rated) (Nom)	83 lm/W	Initial chromaticity	(0.430, 0.300) SDCM <5
Light source color  830 warm white  Optical cover type Polycarbonate bowl/cover Luminaire light beam spread 48° x 66° Optic type outdoor Metronomis distribution wide  Itie 100000 h  Lumen maintenance at median useful 10 % Itie 100000 h  Lumen maintenance at median useful life* L80 100000 h  Lumen maintenance at median useful life* L80 100000 h  Lumen maintenance at median useful life* L80 100000 h  Lumen maintenance at median useful life* L80 100000 h  Performance (IEC Compliant)  Lumen maintenance at median useful life* L80 100000 h  Lumen maintenance at median useful life* L80 100000 h  Performance at median useful life* L80 100000 h  Lumen tare at median useful life* L80 100000 h  Lumen tare at median useful life* L80 100000 h  Lumen tare at median useful life* L80 100000 h  Lumen tare at median useful life* L80 100000 h  Lumen tare at median useful life* L80 100000 h  Lumen tare at median useful life* L80 100000 h  Lumen tare at median useful life* L80 10 % 10 % 10 % 10 % 10 % 10 % 10 % 10	Color rendering index (CRI)	>80	Power consumption tolerance	+/-10%
Optical cover type Polycarbonate bowl/cover  Luminaire light beam spread 48° x 66° Coptic type outdoor Metronomis distribution wide  Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 22 A Power Consumption 17.2 W Power Consumption 0.95 Connection Screw connector Cable - Number of products on MCB of 16 A type 20 Number of products on MCB of 16 A type 20 B Ambient temperature range -40 to +50 °C  Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off)  Over Time Performance (IEC Compliant) Control (EC Compliant) Control (EC Compliant) Control (EC Compliant) Control (10 % Control gear failure rate at median useful 10 % Lumen maintenance at median useful life* L80 100000 h  Lumen maintenance at median useful life* L80  Application Conditions Performance ambient temperature Tq 25 °C  Product Data Order product Data Order product name BDS670 GRN20-35/830 PSU I MDW 60 Foll product code 871829189277900 Order code 910925438086 Material Nr. (12NC) 910925438086 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718291892779 Numerator - Packs per outer box 1 EAN/UPC - Case 8718291892779	Number of light sources	1	Init. Color Rendering Index Tolerance	+/-2
Luminaire light beam spread 48° x 66°  Optic type outdoor Metronomis distribution wide life 100000 h  Lumen maintenance at median useful life* L80  100000 h  Lumen maintenance at median useful life* L80  100000 h  Lumen maintenance at median useful life* L80  100000 h  Lumen maintenance at median useful life* L80  100000 h  Application Conditions  Performance ambient temperature Tq 25 °C  Product Data  Product Data  Product Data  Order product name BDS670 GRN20-35/830 PSU I MDW 60  Connection Screw connector Full product name BDS670 GRN20-35/830 PSU I MDW 60  Cable - Full product code 871829189277900  Number of products on MCB of 16 A type B Material Nr. (12NC) 910925438086  Material Nr. (12NC) 910925438086  Material Nr. (12NC) 910925438086  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718291892779  Controls and Dimming  Dimmable No  Driver/power unit/transformer Power supply unit (On/Off)	Light source color	830 warm white		
Optic type outdoor Metronomis distribution wide  Lumen maintenance at median useful life* L80  100000 h  Lumen maintenance at median useful life* L80  100000 h  Lumen maintenance at median useful life* L80  100000 h  Application Conditions  Inrush current 22 A  Inrush current 22 A  Power Consumption 17.2 W  Power Factor (Fraction) 0.95  Connection Screw connector Full product name BDS670 GRN20-35/830 PSU I MDW 60  Cable - Full product code 871829189277900  Number of products on MCB of 16 A type B  Material Nr. (12NC) 910925438086  Numerator - Quantity Per Pack 1  Temperature  Ambient temperature range -40 to +50 °C  Controls and Dimming  Dimmable No  Driver/power unit/transformer Power supply unit (On/Off)	Optical cover type	Polycarbonate bowl/cover	Over Time Performance (IEC Compli	ant)
Lumen maintenance at median useful life* L80	Luminaire light beam spread	48° x 66°	Control gear failure rate at median useful	10 %
100000 h   1000000 h   1000000 h   1000000 h   1000000 h   1000000 h   10000000000	Optic type outdoor	Metronomis distribution wide	life 100000 h	
Input Voltage 220 to 240 V  Line Frequency 50 to 60 Hz Application Conditions  Inrush current 22 A Performance ambient temperature Tq 25 °C  Inrush time 0.29 ms  Power Consumption 17.2 W Product Data  Power Factor (Fraction) 0.95 Order product name BDS670 GRN20-35/830 PSU I MDW 60  Connection Screw connector Full product code 871829189277900  Number of products on MCB of 16 A type BB    B			Lumen maintenance at median useful life*	L80
Line Frequency 50 to 60 Hz Inrush current 22 A Inrush time 0.29 ms  Power Consumption 17.2 W Product Data  Power Factor (Fraction) 0.95 Order product name BDS670 GRN20-35/830 PSU I MDW 60  Connection Screw connector Full product code 871829189277900  Number of products on MCB of 16 A type 20 Order code 910925438086  B  Temperature Ambient temperature range -40 to +50 °C  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718291892779  Numerator - Packs per outer box 1  EAN/UPC - Case 8718291892779  Temperature Sand Dimming  Dimmable No Driver/power unit/transformer Power supply unit (On/Off)	Operating and Electrical		100000 h	
Inrush current 22 A  Inrush time 0.29 ms  Power Consumption 17.2 W  Product Data  Order product name BDS670 GRN20-35/830 PSU I MDW 60  Connection Screw connector Full product code 871829189277900  Number of products on MCB of 16 A type BB  B  Temperature Ambient temperature range -40 to +50 °C  Numbable No  Driver/power unit/transformer Power supply unit (On/Off)  Performance ambient temperature Tq 25 °C  Product Data  Order product name BDS670 GRN20-35/830 PSU I MDW 60  Full product code 871829189277900  Order code 910925438086  Material Nr. (12NC) 910925438086  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718291892779  Numerator - Packs per outer box 1  EAN/UPC - Case 8718291892779	Input Voltage	220 to 240 V		
Description   17.2 W   Product Data	Line Frequency	50 to 60 Hz	Application Conditions	
Power Consumption         17.2 W         Product Data           Power Factor (Fraction)         0.95         Order product name         BDS670 GRN20-3S/830 PSU I MDW 60           Connection         Screw connector         Full product name         BDS670 GRN20-3S/830 PSU I MDW 60           Cable         -         Full product code         871829189277900           Number of products on MCB of 16 A type         20         Order code         910925438086           B         Material Nr. (12NC)         910925438086           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8718291892779           Numerator - Packs per outer box         1           EAN/UPC - Case         8718291892779    Controls and Dimming  Dimmable  No  Priver/power unit/transformer  Power supply unit (On/Off)	Inrush current	22 A	Performance ambient temperature Tq	25 ℃
Power Factor (Fraction)         0.95         Order product name         BDS670 GRN20-3S/830 PSU I MDW 60           Connection         Screw connector         Full product name         BDS670 GRN20-3S/830 PSU I MDW 60           Cable         -         Full product code         871829189277900           Number of products on MCB of 16 A type         20         Order code         910925438086           B         Material Nr. (12NC)         910925438086         1           Temperature         EAN/UPC - Product/Case         8718291892779           Ambient temperature range         -40 to +50 °C         Numerator - Packs per outer box         1           EAN/UPC - Case         8718291892779           Controls and Dimming         EAN/UPC - Case         8718291892779	Inrush time	0.29 ms		
Connection         Screw connector         Full product name         BDS670 GRN20-35/830 PSU I MDW 60           Cable         Full product code         871829189277900           Number of products on MCB of 16 A type         20         Order code         910925438086           B         Material Nr. (12NC)         910925438086           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8718291892779           Numerator - Packs per outer box         1           EAN/UPC - Case         8718291892779    Controls and Dimming  Dimmable  No  Driver/power unit/transformer  Power supply unit (On/Off)	Power Consumption	17.2 W	Product Data	
Cable         Full product code         871829189277900           Number of products on MCB of 16 A type         20         Order code         910925438086           B         Material Nr. (12NC)         910925438086           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8718291892779           Numerator - Packs per outer box         1           EAN/UPC - Case         8718291892779	Power Factor (Fraction)	0.95	Order product name	BDS670 GRN20-3S/830 PSU I MDW 60
Number of products on MCB of 16 A type         20         Order code         910925438086           B         Material Nr. (12NC)         910925438086           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8718291892779           Numerator - Packs per outer box         1           EAN/UPC - Case         8718291892779           Controls and Dimming           Dimmable         No           Driver/power unit/transformer         Power supply unit (On/Off)	Connection	Screw connector	Full product name	BDS670 GRN20-3S/830 PSU I MDW 60
Material Nr. (12NC)       910925438086         Numerator - Quantity Per Pack       1         EAN/UPC - Product/Case       8718291892779         Ambient temperature range       -40 to +50 ℃       Numerator - Packs per outer box       1         EAN/UPC - Case       8718291892779         Controls and Dimming       No         Dimmable       No         Driver/power unit/transformer       Power supply unit (On/Off)	Cable		Full product code	871829189277900
Numerator - Quantity Per Pack  Temperature  EAN/UPC - Product/Case 8718291892779  Numerator - Packs per outer box 1  EAN/UPC - Case 8718291892779  Controls and Dimming  Dimmable No  Driver/power unit/transformer Power supply unit (On/Off)	Number of products on MCB of 16 A type	20	Order code	910925438086
Temperature  Ambient temperature range -40 to +50 °C  Numerator - Packs per outer box 1  EAN/UPC - Case 8718291892779  Numerator - Packs per outer box 1  EAN/UPC - Case 8718291892779  Dimmable No  Driver/power unit/transformer Power supply unit (On/Off)	В		Material Nr. (12NC)	910925438086
Ambient temperature range -40 to +50 °C  Numerator - Packs per outer box 1  EAN/UPC - Case 8718291892779  Controls and Dimming  Dimmable No  Driver/power unit/transformer Power supply unit (On/Off)			Numerator - Quantity Per Pack	1
Controls and Dimming  Dimmable No  Driver/power unit/transformer Power supply unit (On/Off)	Temperature		EAN/UPC - Product/Case	8718291892779
Controls and Dimming       Dimmable     No       Driver/power unit/transformer     Power supply unit (On/Off)	Ambient temperature range	-40 to +50 °C	Numerator - Packs per outer box	1
Dimmable         No           Driver/power unit/transformer         Power supply unit (On/Off)			EAN/UPC - Case	8718291892779
Driver/power unit/transformer Power supply unit (On/Off)				
Constant light output No				
	Constant light output	No		

### **Metronomis LED Fluid**

#### Dimensional drawing





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