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## DEMO LUMINAIRE FOLDER

A brief description of the project

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## Project description

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By adding your own text pages, you can add project descriptions or chapter introductions to your PDF. You can format these contents with various styles such as **bold**, italic. This way you can assemble the information you need in one pdf-file.

# BITBURG LED m1200

6270 lm, PC Tropol® (fracture proof), narrow beam

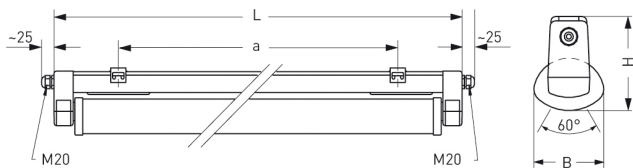
Item Number: 645 480 24 84 - E - MC9

amount: 5

LED



Illustration may differ



FOCUSED LIGHTING

narrow beam

## DIMENSIONS

L	B	H	a	max. Weight
1251 mm	107 mm	140 mm	980 mm	3,3 kg

## DESCRIPTION

Polymer luminaire for surface ceiling and wall surface-mounting for HACCP/IFS applications with LED lamps, single lamp. Useable in production facilities and suppliers in the food and beverage industry. Acid, alkaline and fuel-resistant luminaire housing made of fibreglassreinforced polymer, similar to RAL 9010. Useable for indoor and outdoor areas according to protection rating IP 65, IP 66 and IP 67. Suitable for intensive cleaning processes using pressure washers due to high protection rating IP 69K. Thermally separated lamp chamber and driver chamber. Short sealing system consisting of age-resistant, form-retaining silicone/synthetic rubber. Profile including coating for increased resistance against acids, bases, and cleaning agents. Reflector tube that can be swivelled made of PMMA Transopal® (impact strengthened) or PC Tropol® (fracture proof) with internal aluminium reflector (MIRO-SILVER®). Reflector tube can be locked in increments of 10°. Luminaire ready for mounting and installation. Built-in driver 230 V AC/DC. Ceiling installation using two stainless steel mounting clamps, variable mounting distance. Captive end caps.

Created on: 16.04.2020 (ext.) • Subject to technical changes without prior notice • LED modules and drivers are subject to a constant increase in efficiency • Current luminous flux and system performance can be found on our website [www.norka.de](http://www.norka.de)

# BITBURG LED m1200

6270 lm, PC Tropol® (fracture proof), narrow beam

Item Number: 645 480 24 84 - E - MC9

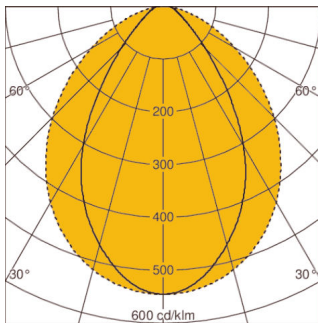
amount: 5

## CHARACTERISTICS

<b>Version</b>	m1200	<b>Lamp power</b>	1 x 33 W
<b>Lamp</b>	LED	<b>System power</b>	36 W
<b>Lamp service life</b>	L80 B10 > 60.000 h at +40°C	<b>Colour temperature</b>	White, 840/4000 K, Ra > 80
<b>Extreme-temperature</b>	-25°C to +40°C	<b>Luminous flux lamp</b>	6270 lm
<b>Number of lamps</b>	1-lamp	<b>Protection class</b>	II
<b>Housing material</b>	polymer	<b>IP-rating</b>	IP65, IP66, IP67, IP69K
<b>Colour housing</b>	None	<b>UGR Value (4H8H)*</b>	20
<b>Material / Cover</b>	PC Tropol® (fracture proof)	<b>Type of gear</b>	LED operating device current-controlled, 230 V - 240 V AC/DC
<b>Light distribution</b>	narrow beam	<b>Through-wiring</b>	4 x 1,5 mm <sup>2</sup>
<b>Manufacturer warranty</b>	5 years	<b>Impact strength</b>	IK09
<b>ENEC / VDE</b>	Yes / Yes	<b>Installation type</b>	ceiling mounting, wall mounting, row mounting, suspension system
<b>EL (Emergency Lighting)</b>	optional	<b>Transient protection</b>	2 kV

\* The above mentioned UGR is based on example calculations. The effective value can only be determined with a light calculation.

## DIAGRAMS



LOR: 95,6%

NORKA | Sportallee 8 | 22335 Hamburg | Germany

Norddeutsche Kunststoff-  
und Elektrogesellschaft  
Stäcker mbH & Co. KG

Lichttechnische Spezialfabrik

Ihr Zeichen:  
Unser Zeichen: HN  
Sachbearbeiter: Harro Naggert  
Durchwahl: 18  
Datum: 08.10.2018

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IBAN DE90 2007 0000 0736 6677 00

HypoVereinsbank  
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IBAN DE35 2003 0000 0006 3110 88

### **Herstellererklärung zum Einsatz von Leuchten in IFS-zertifizierten Betrieben (International Featured Standard 6)**

Wir bestätigen, dass die in der beiliegenden Tabelle genannten Leuchten nach den Grundsätzen des International Featured Standard 6 entwickelt wurden. Dies gilt besonders in den Punkten Splitterschutz, Ablagerung von Verunreinigungen und hygienische Reinigung.

Da eine erfolgreiche Zertifizierung situationsabhängig ist und für die Gesamtheit des Betriebes vorgenommen wird, prüfen Sie bitte den jeweiligen Leuchtentyp in Bezug auf den jeweiligen Produktionsbereich in der Tabelle. Weitere Beleuchtungslösungen können wir auf Anfrage anbieten.

Die Zertifikate der Leuchtenfamilien finden Sie als PDF auf unserer Homepage unter der entsprechenden Leuchtentype.

Mit freundlichen Grüßen

i.V. Harro Naggert

### Anlage zu

Herstellereklärung zum Einsatz von Leuchten in IFS-zertifizierten Betrieben  
(International Food Standard 6), Stand 30.07.2018

PRODUKTIONSBEREICH	LEUCHTENFAMILIE	MATERIAL ABDECKUNG
<b>1a</b> Umgang mit Rohwaren oder unverpackten Produkten. Zusätzlich intensive Reini- gungsprozesse durch Hochdruckreiniger (kalt/warm) <b>mit</b> <b>Reinigungsmitteln</b>	BITBURG/BITBURG LED, ZUG/ZUG LED mit zusätzlicher Beschichtung zur Erhöhung der Beständigkeit gegen Reinigungsmittel, Säuren oder Basen	PC
<b>1b</b> Umgang mit Rohwaren oder unverpackten Produkten. Zusätzlich intensive Reini- gungsprozesse durch Hochdruckreiniger (kalt/warm)	BITBURG/BITBURG LED, ZUG/ZUG LED	PC
<b>2</b> Umgang mit Rohwaren oder unverpackten Produkten	ERFURT/ERFURT LED, MÜNCHEN/MÜNCHEN LED	PC
<b>3</b> Verpackung und Lagerung von Rohwaren	ERFURT/ERFURT LED, MÜNCHEN/MÜNCHEN LED	PC
<b>4</b> Lagerung von verpackter Fertigware	CENTAURUS, ERFURT/ERFURT LED, MÜNCHEN/MÜNCHEN LED	PC, PMMA, ESG

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### Persönlich haftende Gesellschafterin

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Dörverden-Hülsen  
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HRB 121601

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**Manufacturer's Declaration regarding the Use of Luminaires in IFS-Certified Companies (International Featured Standard 6)**

We confirm that the luminaires listed in the attached table have been developed and produced in line with International Featured Standard 6 guidelines, in particular with regard to shatter protection, contamination deposits and hygiene cleaning.

Since successful certification is situation dependent and is awarded for the company as a whole it is advised to check the appropriate luminaire type for the corresponding installation site in the table. Further optimum lighting solutions are available on request.

This certificate as PDF can also be found at our website attached to the concerned products.

Sincerely

i.V. Harro Naggert

**Attachment to:**

Manufacturer's Declaration regarding the Use of Luminaires in IFS-Certified Companies (International Food Standard 6), Version 31/07/2018

PRODUCTION AREA	NAME OF PRODUCT FAMILY	MATERIAL OF COVER
<b>1a</b> Handling of raw goods or unpackaged products. Additionally intensive cleaning processes with high pressure cleaners (cold/warm) <b>and cleaning agents.</b>	BITBURG/BITBURG LED, ZUG/ZUG LED with coated cover to increase resistance to acids, bases and cleaning agents	PC
<b>1b</b> Handling of raw goods or unpackaged products. Additionally intensive cleaning processes with high pressure cleaners (cold/warm).	BITBURG/BITBURG LED, ZUG/ZUG LED	PC
<b>2</b> Handling of raw goods or unpackaged products.	ERFURT/ERFURT LED, MÜNCHEN/MÜNCHEN LED	PC
<b>3</b> Packaging and storage of raw goods.	ERFURT/ERFURT LED, MÜNCHEN/MÜNCHEN LED	PC
<b>4</b> Storage of packaged finished products.	CENTAURUS, ERFURT/ERFURT LED, MÜNCHEN/MÜNCHEN LED	PC, PMMA, ESG

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# BERN LED m500

24 V LED, 1220 lm, PC Tropol® (fracture proof), narrow beam, external transformer

**Item Number:** 531 417 24 00

**Selected Options:** 536 802

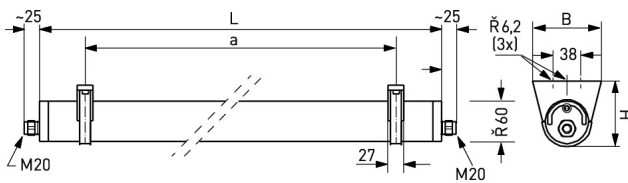
**amount:** 11

LED

IP 65 IP 66 IP 67 IP 68 20m IP 69K CE IK 10 PC



Illustration may differ



narrow beam

## DIMENSIONS

L	B	H	a	max. Weight
780 mm	95 mm	90 mm	640 mm	1,8 kg

## DESCRIPTION

Tubular luminaire with LED lamps. Useable in industrial applications, in work pits used for maintenance and repair work and for decorative indoor and outdoor lighting. Version with high protection rating IP 69K suitable for production facilities and suppliers in the food and beverage industry. Polymer luminaire tube (Ø 60 mm) with two quick-mounting pressure caps and protection against unauthorised opening. Useable for indoor and outdoor areas according to protection rating IP 65 and IP 66. Resistant to pressurised water to 20 m due to protection rating IP 68, 20 m. Suitable for intensive cleaning processes using pressure washers due to high protection rating IP 69K. Luminaire tube made of PMMA Transopal® (impact strengthened) or PC Tropol® (fracture proof). Luminaire ready for mounting and installation. Single mounting. Ceiling or wall fixing using two or three mounting clamps made of stainless steel/black/transparent polymer, including protection against unauthorised opening.

**Type 2 - 24 V :** For operation on 24 V constant voltage.

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24 V LED, 1220 lm, PC Tropol® (fracture proof), narrow beam, external transformer

**Item Number:** 531 417 24 00

**Selected Options:** 536 802

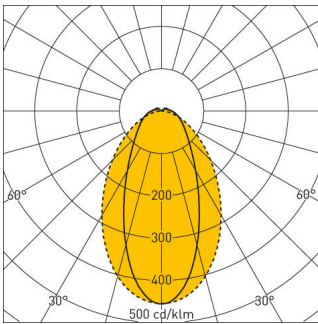
**amount:** 11

## CHARACTERISTICS

<b>Version</b>	m500	<b>Lamp power</b>	1 x 12 W
<b>Lamp</b>	LED	<b>System power</b>	12 W
<b>Lamp service life</b>	L80 B10 > 60.000 h at +40°C	<b>Colour temperature</b>	White, 840/4000 K, Ra > 80
<b>Extreme-temperature</b>	-40°C to +40°C	<b>Luminous flux lamp</b>	1220 lm
<b>Number of lamps</b>	1-lamp	<b>Protection class</b>	III
<b>Housing material</b>	polymer	<b>IP-rating</b>	IP65, IP66, IP67, IP68 20m, IP69K
<b>Colour housing</b>	None	<b>Type of gear</b>	LED operating device voltage-controlled, 24 V - 24 V DC
<b>Material / Cover</b>	PC Tropol® (fracture proof)	<b>Through-wiring</b>	4 x 1,5 mm <sup>2</sup>
<b>Cover</b>	protection tube	<b>Through-wiring (optional)</b>	Yes
<b>Light distribution</b>	narrow beam	<b>Impact strength</b>	IK10
		<b>Installation type</b>	wire suspension, Cable suspension, ceiling mounting, wall mounting

\* The above mentioned UGR is based on example calculations. The effective value can only be determined with a light calculation.

## DIAGRAMS



LOR: 69,7%

## CHOSEN CONFIGURATON

The following options add or replace the standard configuration:

Version	Item No.
Through wiring 4 x 1.5 mm <sup>2</sup>	536 802

# SUMMARY

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<b>Luminaire</b>	<b>Number of</b>
BITBURG LED m1200, PC Tropol® (fracture proof), narrow beam	5
BERN LED m500, 24 V LED, PC Tropol® (fracture proof), narrow beam, external transformer	11
	<b>Amount</b>
	16

