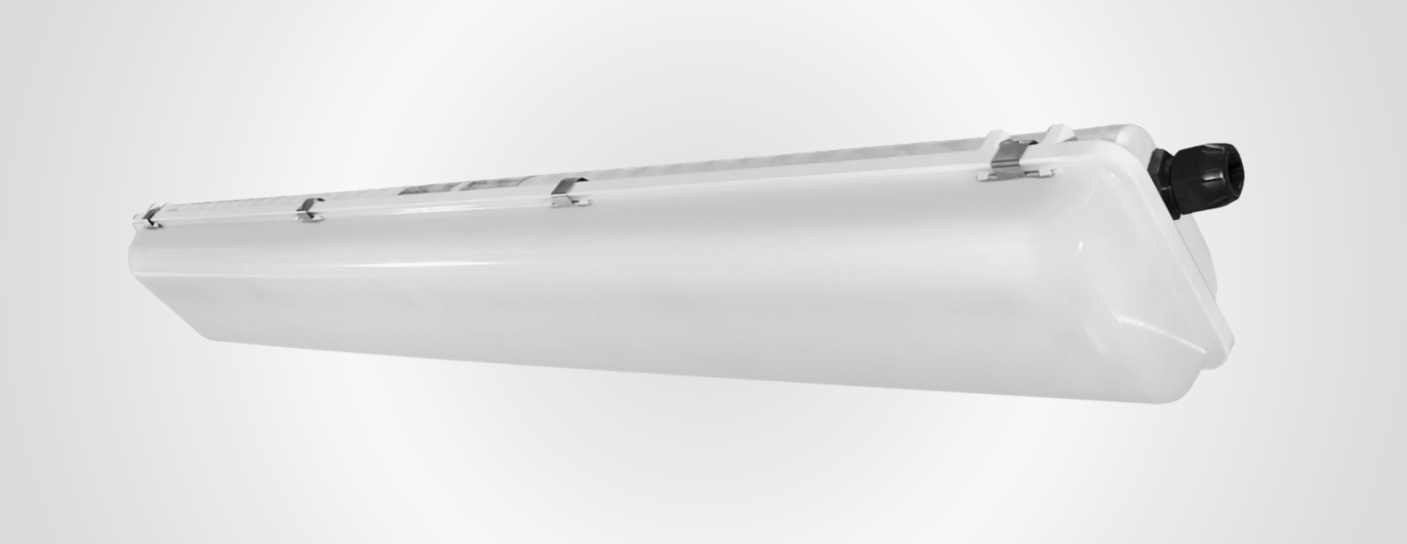
Linear LED luminaires for use in demanding work environments

PrimeLine

Linear LED luminaires for Zones 1, 2 / 21, 22



MARKING	
ATEX	***standard:*** Ex II 2G Ex eb mb IIC T4 Gb Ex II 2D Ex tb IIIC T70°C Db ***version with isolation switch***: Ex II 2G db eb mb IIC T4 Gb Ex II 2D Ex tb IIIC T70°C Db
IECEx	***standard:*** Ex eb mb IIC T4 Gb Ex tb IIIC T70°C Db ***version with isolation switch***: Ex eb mb db IIC T4 Gb Ex tb IIIC T70°C Db

Dust-proof, UV-resistant and waterproof linear lighting fixture, **certified for gas Zones 1 and 2 and dust Zones 21 and 22.** Designed to work as basic and emergency lighting, **both indoors and outdoors.** Especially recommended for places exposed to difficult weather conditions: loading ramps, unheated warehouses, cold stores and industrial freezers.

Main features

- Replaces 18W/36W/58W fluorescent luminaires and reduces energy consumption.
- Can be installed indoors and outdoors - high chemical resistance
- 4 versions: basic and emergency lighting - both with inverter and central battery system (including EATON central battery with addressing)
- 2 lengths: 1276 mm / 670 mm
- 3 types of diffusers: transparent / frosted / opal
- 2 types of cable glands: metal / plastic
- 3 high-performance LED modules (total luminaire power up to 142 lm/W)
- Hinged diffuser and mounting plate for quick opening during installation and service
- No loose parts, precisely matched components

Recommended for: gas & oil industry \ chemical processing plants\ Fuel storage facilities and terminals
Power plants \ Wood processing industry \ Other heavy and medium-heavy industrial sectors



Battery effectively charges at -20°C*

*verified by an accredited testing body

The battery of the Primeline luminaire **can charge effectively at ambient temperatures up to -20°C**in. This feature was confirmed by an independent research unit (Polish Scientific and Research Centre for Fire Protection, CNBOP).

This sets PrimeLine apart from other Ex Zone 1 luminaires, because not all devices recommended "for sub-zero temperatures" will**effectively** charge the battery at temperatures below 0°C. And this means that **when the battery is discharged, such a luminaire will fail as emergency lighting** .

How do you benefit from this advanced functionality of PrimeLine?

- **You do not need to heat the luminaire's interior** and you can be sure that the device will not lose its emergency function, even
  at temperatures up to -20°C when the luminaire is switched off.
- **You also get** a luminaire that is reliable at high temperature amplitudes.



Integrated isolation switch for safety and easier maintenance

PrimeLine luminaires can optionally be equipped with an integrated safety switch, which automatically cuts off the power supply when the diffuser is open. This feature greatly improves safety and simplifies maintenance and testing, especially in demanding industrial conditions.



Central control of emergency lighting

In emergency version, PrimeLine luminaires are equipped with an integrated EATON monitoring module. It allows directly integrating the luminaire with state-of-the-art central power and monitoring systems. Individual monitoring and management of each luminaire from the central unit eliminates
the need for additional equipment.



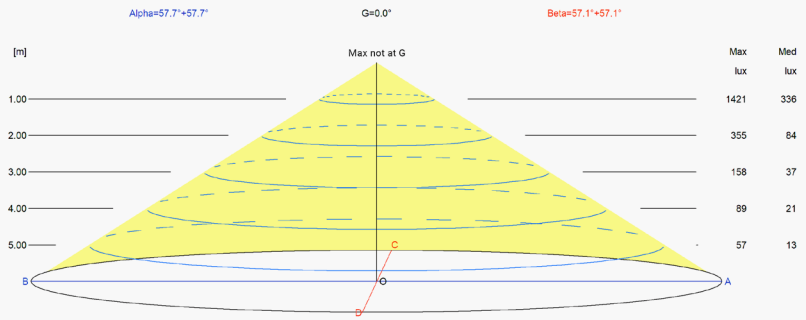
A luminaire ready for extreme conditions: durable and tight

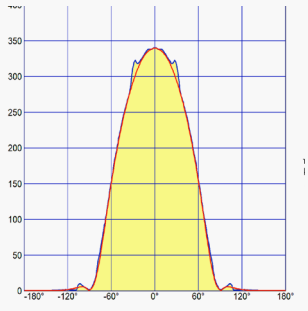
PrimeLine luminaire is designed for operation in areas exposed to dust, moisture, chemicals and harsh outdoor conditions. It has a solid glass fiber reinforced resin (GRP) body and a UV stabilized polycarbonate diffuser. The housing is ingression-proofed with an injected silicone seal, which ensures its durability and a high degree of IP protection.

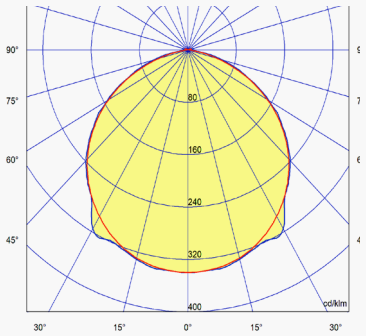
IP 67 GRP housing Injected seal UV stabilized diffuser

Recommended for: gas & oil industry \ chemical processing plants\ Fuel storage facilities and terminals Power plants \ Wood processing industry \ Other heavy and medium-heavy industrial sectors

Photometric performance of PrimeLine







The PrimeLine series combines a robust, explosion-proof design with very good photometric properties. With a broad and uniform light distribution, the luminaire offers excellent visibility and safety in demanding industrial environments.

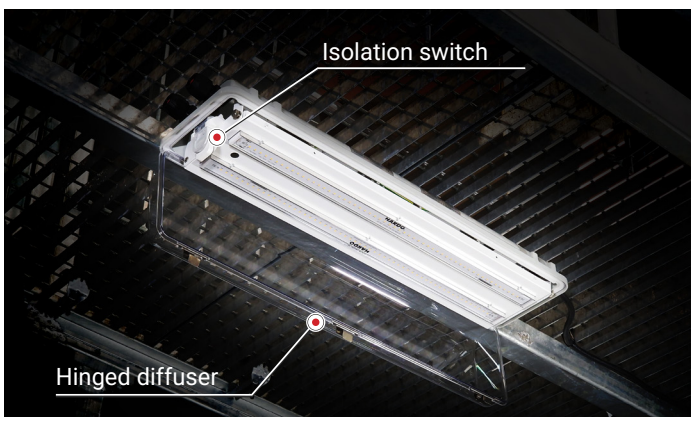
- **Wide beam angle** (~115°) for effective illumination of large working areas
- **Even light distribution** for visual comfort and reduced glare
- **High luminous efficiency** with flux focused on central axis
- **Symmetrical intensity curves** in planes C0–C180 and C90 C270
- **Mounting height up to 5 m** with gradients of lux levels

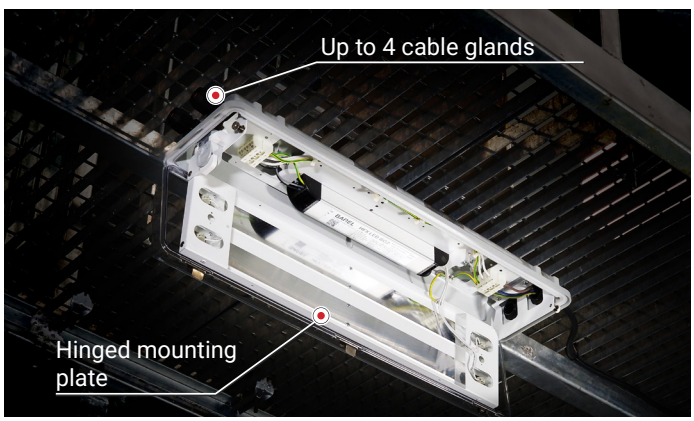


Self-test

In the emergency version, PrimeLine luminaires are equipped with a self-test system. It launches when the mains power is lost and the battery is disconnected, or when the luminaire is connected to the battery while running on AC power. System status is indicated by a bi-color LED.

Easy to install and service





Configuration diagram

AA	LENGTH
60	670 mm
12	1276 mm
B	**LED MODULE POWER**
1	2 LED modules for 670 mm / 4 LED modules for 1276 mm, single LED module power is ~**10 W** [1]
2	2 LED modules for 670 mm / 4 LED modules for 1276 mm, the power of a single LED module is ~**12 W**
3	2 LED modules for 670 mm / 4 LED modules for 1276 mm, single LED module power is ~**14 W** [2]
X	**WIRING**
3	3-pole terminal
5	5-pole terminal
7	7-pole terminal
Y	**CABLE GLAND LAYOUT**
1	A single cable gland on one side of the housing
2	One cable gland on opposite sides of the housing
3	Two cable glands on one side and one on the opposite side of the housing
4	Two cable glands on opposite sides of the housing
5	Two cable glands on one side of the housing
Z	**CABLE GLAND SIZE (PLASTIC / METAL)**
0	M20
5	M25
C	**FUNCTION**
S	Basic lighting
B	Basic lighting with central battery, without monitoring
1	Emergency lighting with NiCd battery, operating time - 1.5 h [3]
3	Emergency lighting with NiCd battery, operating time - 3 h
X	Emergency lighting with monitored central battery (EATON, V-CG-S addressable module)
Y	Emergency lighting with monitored central battery (EATON, V-CG-SE addressable module)
R	**ISOLATION SWITCH**
O	No isolation switch
R	With isolation switch[4]
K	**DIFFUSER TYPE**
T	Transparent
M	Frosted
O	Opal

NOTES:

[1] Version12-1***** 1/3 (with built-in 1.5 h and 3 h Ni-CD battery backup) is not available

[2] Version 60-3 *****1/3 (with built-in 1.5 h and 3 h Ni-CD battery backup) is not available

[3] Version 60-1 *****3 (with built-in 3 h Ni-CD battery backup) is not available

[4] Isolation switch is not available in version *- *****1/3 (with built-in 1.5 h and 3 h Ni-CD battery backup)

Basic lighting

Length: 670 mm | **Zones**: 1, 2 and 21, 22 | **Light output:** up to 4185 lm

LIGHT PARAMETERS	PrimeLine 60-1 ****** S/B	PrimeLine 60-2 ****** S/B	PrimeLine 60-3 ****** S/B
Type of light source	2 x 10 W LED module	2 x 12 W LED module	2 x 14 W LED module
Luminous efficacy of the luminaire [lm/W] [Transparent diffuser: 4000K]	126	128	129
Color temperature [K]	***standard:*** 4000K | ***options:*** 4500K / 5700K		
CRI	***standard:*** >80 | ***option:*** >90		
Nominal luminous flux [lm] for different lens types:	**Color temperature: 4000K**		
▸ Transparent	2946	3613	4185
▸ Frosted	2776	3405	3944
▸ Opal	2375	2913	3374
▸ Service life	Parameter L80B10 at ambient temperature 25°C: 80,000 Lifetime of digital controller at ambient temperature 25°C: 100,000 Parameter L80B10 at ambient temperature of 50°C: 70,000 Lifetime of electronic controller at ambient temperature 50°C: 70,000		
ELECTRICAL SPECIFICATIONS	**PrimeLine 60-1 ****** S/B**	**PrimeLine 60-2 ****** S/B**	**PrimeLine 60-3 ****** S/B**
Protection class	I	I	I
Nominal power [W][1]	23.4	28	32.4
Power factor	0.98	0.99	0.99
Rated voltage [V]	AC 110-240, 50Hz DC 125-240, 0Hz or AC 220-240, 50Hz DC 220-240, 0Hz	AC 110-240, 50Hz DC 125-240, 0Hz or AC 220-240, 50Hz DC 220-240, 0Hz	AC 110-240, 50Hz DC 125-240, 0Hz or AC 220-240, 50Hz DC 220-240, 0Hz
Rated current [A]	0.1	0.12	0.14
Connection terminals	min 1.5 mm^2; max 4 mm^2		
MECHANICAL SPECIFICATIONS	**PrimeLine 60-1 ****** S/B**	**PrimeLine 60-2 ****** S/B**	**PrimeLine 60-3 ****** S/B**
Degree of protection (IP)	66/67		
Impact resistance (IK)	09		
Housing	Glass fiber reinforced polyester (GRP)		
Diffuser	Polycarbonate (three versions: transparent, frosted, opal)		
Seal	Silicone foam		
Ambient temperature for different types of lenses:			
▸ Transparent	-40°C ≤ Ta ≤ +50°C (+55°C[4])	-40°C ≤ Ta ≤ +50°C (+55°C[4])	-40°C ≤ Ta ≤ +50°C
▸ Frosted	-40°C ≤ Ta ≤ +50°C (+55°C[4])	-40°C ≤ Ta ≤ +50°C (+55°C[4])	-40°C ≤ Ta ≤ +50°C
▸ Opal	-40°C ≤ Ta ≤ +45°C	-40°C ≤ Ta ≤ +45°C	-40°C ≤ Ta ≤ +45°C

NOTES:
[1] Power tolerance ±10%. [2] Luminous flux tolerance ±10%. [3] Color temperature tolerance ±10%; 4500K, optionally 5700K and 6500K. [4] Optional; Ta=+55˚C works only at 220-240 V. [5] LED lifetime 100.000 h (L70B50)
[6] Weight: 9.0 kg [7] Warranty: up to 5 years [8] Overload protection: 2 kV.

Basic lighting

Length: 1276 mm | **Zones**: 1, 2 and 21, 22 | **Light output:** up to 8305 lm

LIGHT PARAMETERS	PrimeLine 12-1 ****** S/B	PrimeLine 12-2 ****** S/B	PrimeLine 12-3 ****** S/B
Type of light source	4x 10W LED module	4x 12W LED module	4x 14W LED module
Luminous efficacy of the luminaire [lm/W] [Transparent lens, 4000 K]	135	135	134
Color temperature [K]	***standard:*** 4000K | ***options:*** 4500K / 5700K		
CRI	***standard:*** >80 ***/ option:*** 90		
Nominal luminous flux [lm] for different lens types:	**Color temperature: 4000K**		
▸ Transparent	5979	7293	8305
▸ Frosted	5635	6873	7827
▸ Opal	4820	5880	6696
▸ Lifetime [h]	Parameter L80B10 at ambient temperature 25°C: 80,000 Lifetime of electronic controller at ambient temperature 25°C: 100,000 Parameter L80B10 at ambient temperature of 50°C: 70,000 Lifetime of electronic controller at ambient temperature 50°C: 70,000		
ELECTRICAL SPECIFICATIONS	**PrimeLine 12-1 ****** S/B**	**PrimeLine 12-2 ****** S/B**	**PrimeLine 12-3 ****** S/B**
Protection class	I	I	I
Nominal power [W]	43	52.5	62
Power factor	0.95	0.97	0.97
Rated voltage [V]	AC 110-240, 50Hz DC 125-240, 0Hz or AC 220-240, 50Hz DC 220-240, 0Hz	AC 110-240, 50Hz DC 125-240, 0Hz or AC 220-240, 50Hz DC 220-240, 0Hz	AC 110-240, 50Hz DC 125-240, 0Hz or AC 220-240, 50Hz DC 220-240, 0Hz
Rated current [A]	0.2	0.24	0.28
Connection terminals	min 1.5 mm^2; max 4 mm^2		
MECHANICAL SPECIFICATIONS	**PrimeLine 12-1 ****** S/B**	**PrimeLine 12-2 ****** S/B**	**PrimeLine 12-3 ****** S/B**
Degree of protection (IP)	66/67		
Impact resistance (IK)	09		
Housing	Glass fiber reinforced polyester (GRP)		
Lens	Polycarbonate (three versions: transparent, frosted, opal)		
Seal	Silicone foam		
Ambient temperature for different types of diffusers			
Transparent	-40°C ≤ Ta ≤ +50°C (+55°C[4])	-40°C ≤ Ta ≤ +50°C (+55°C[4])	-40°C ≤ Ta ≤ +50°C
Frosted	-40°C ≤ Ta ≤ +50°C (+55°C[4])	-40°C ≤ Ta ≤ +50°C (+55°C[4])	-40°C ≤ Ta ≤ +50°C
Opal	-40°C ≤ Ta ≤ +45°C	-40°C ≤ Ta ≤ +45°C	-40°C ≤ Ta ≤ +45°C

NOTES:
[1] Power tolerance ±10%. [2] Luminous flux tolerance ±10%. [3] Color temperature tolerance ±10%; 4500K, optionally 5700K and 6500K. [4] Optional; Ta=+55˚C works only at 220-240 V.[5] LED lifetime 100.000 h (L70B50)[6] Weight: 9.0 kg [7] Warranty: up to 5 years [8] Overload protection: 2 kV.

Emergency lighting [with battery]

1.5 h / 3 h

Length: 670 mm | **Zones**: 1, 2 and 21, 22 | **Light output:** up to 3613 lm

LIGHT PARAMETERS	PrimeLine 60-1 *****1	PrimeLine 60-2 *****1	PrimeLine 60-2 *****3
Emergency operating time	1.5 h	1.5 h	3h
Type of light source	2x 10W LED module	2x 12W LED module	2x 12W LED module
Light output in emergency mode [lm]	880 - 1100	440-550	440-550
Color temperature [K]	***standard:*** 4000K | ***options:*** 4500K / 5700K		
CRI	***standard:*** >80 ***/ option:*** 90		
Luminous efficacy of the luminaire [lm/W] [Transparent lens, 4000 K]	107	113	113
Nominal luminous flux [lm] for different types of diffusers:	**Color temperature: 4000K**		
▸ Transparent	2946	3613	3613
▸ Frosted	2776	3405	3405
▸ Opal	2375	2913	2913
▸ Lifetime [h]	Parameter L80B10 at ambient temperature 25°C: 80,000 Lifetime of electronic controller at ambient temperature 25°C: 100,000 Parameter L80B10 at ambient temperature of 50°C: 70,000 Lifetime of electronic controller at ambient temperature 50°C: 70,000		
ELECTRICAL SPECIFICATIONS	**PrimeLine 60-1 *****1**	**PrimeLine 60-2 *****1**	**PrimeLine 60-2 *****3**
Protection class	I	I	I
Nominal power [W][1]	27.2	31.6	31.6
Power factor	0.91	0.93	0.93
Rated voltage [V]	AC 220-240, 50Hz	AC 220-240, 50Hz	AC 220-240, 50Hz
Rated current [A]	0.13	0.15	0.15
Connection terminals	min 1.5 mm^2; max 4 mm^2		
MECHANICAL SPECIFICATIONS	**PrimeLine 60-1 *****1**	**PrimeLine 60-2 *****1**	**PrimeLine 60-2 *****3**
Degree of protection (IP)	66/67		
Impact resistance (IK)	09		
Housing	Glass fiber reinforced polyester (GRP)		
Lens	Polycarbonate (three versions: transparent, frosted, opal)		
Seal	Silicone foam		
Ambient temperature for different types of lenses:			
Transparent	0°C ≤ Ta ≤ +45°C	0°C ≤ Ta ≤ +45°C	0°C ≤ Ta ≤ +45°C
Frosted	0°C ≤ Ta ≤ +45°C	0°C ≤ Ta ≤ +45°C	0°C ≤ Ta ≤ +45°C
Opal	0°C ≤ Ta ≤ +40°C	0°C ≤ Ta ≤ +40°C	0°C ≤ Ta ≤ +40°C

NOTES:
[1] Power tolerance ±10%. [2] Luminous flux tolerance ±10%. [3] Color temperature tolerance ±10%; 4500K, optionally 5700K and 6500K. [4] LED lifetime 100.000 h (L70B50)[5] Weight: 9.0 kg [6] Warranty: up to 5 years [7] Overload protection: 2 kV.

Emergency lighting [with battery]

1.5 h / 3 h

Length: 1276 mm | **Zones**: 1, 2 and 21, 22 | **Light output:** up to 8305 lm

LIGHT PARAMETERS	PrimeLine 12-2 *****1	PrimeLine 12-3 *****1	PrimeLine 12-2 *****3
Emergency mode operation	1.5 h	1.5 h	3h
Type of light source	4x 12W LED module	4x 14W LED module	4x 12W LED module
Light output in emergency mode [lm]	400-500	680-850	400-500
Color temperature [K]	***standard:*** 4000K | ***Options:*** 4500K / 5700K		
CRI	***standard:*** >80 ***| option:*** 90		
Luminous efficacy of the luminaire [lm/W] [Transparent lens, 4000 K]	126	128	126
Nominal luminous flux [lm] for different types of lenses:	**Color temperature: 4000K**		
▸ Transparent	7293	8305	7293
▸ Frosted	6873	7827	6873
▸ Opal	5880	6696	5880
▸ Lifetime [h]	Parameter L80B10 at ambient temperature 25°C: 80,000 Lifetime of electronic controller at ambient temperature 25°C: 100,000 Parameter L80B10 at ambient temperature of 50°C: 70,000 Lifetime of electronic controller at ambient temperature 50°C: 70,000		
ELECTRICAL DATA	**PrimeLine 12-2 *****1**	**PrimeLine 12-3 *****1**	**PrimeLine 12-2 *****3**
Protection class	I	I	I
Nominal power [W]*	56.5	64.7	56.5
Power factor	0.97	0.98	0.97
Rated voltage [V]	AC 220-240, 50Hz	AC 220-240, 50Hz	AC 220-240, 50Hz
Rated current [A]	0.25	0.29	0.25
Connection terminals	min 1.5 mm^2; max 4 mm^2		
MECHANICAL DATA	**PrimeLine 12-2 *****1**	**PrimeLine 12-3 *****1**	**PrimeLine 12-2 *****3**
Degree of protection (IP)	IP66/67		
Impact resistance (IK)	09		
Housing	Glass fiber reinforced polyester (GRP)		
Lens	Polycarbonate (three versions: transparent, frosted, opal)		
Seal	Silicone foam		

Ambient temperature for different types of lenses:			
Transparent	0°C ≤ Ta ≤ +45°C	0°C ≤ Ta ≤ +45°C	0°C ≤ Ta ≤ +45°C
Frosted	0°C ≤ Ta ≤ +45°C	0°C ≤ Ta ≤ +45°C	0°C ≤ Ta ≤ +45°C
Opal	0°C ≤ Ta ≤ +40°C	0°C ≤ Ta ≤ +40°C	0°C ≤ Ta ≤ +40°C

NOTES:
[1] Power tolerance ±10%. [2] Luminous flux tolerance ±10%. [3] Color temperature tolerance ±10%; 4500K, optionally 5700K and 6500K. [4] LED lifetime 100.000 h (L70B50) [5] Weight: 9.0 kg [6] Warranty: up to 5 years [7] Overload protection: 2 kV.

Emergency lighting [with battery]



Length: 1276 mm | **Zones**: 1, 2 and 21, 22 | **Light output:** up to 8305 lm

LIGHT PARAMETERS	PrimeLine 60-1 *****1 LT	PrimeLine 60-2 *****1 LT	PrimeLine 12-2 *****1 LT	PrimeLine 12-3 *****1 LT
Emergency mode operation	1 h at -20°C ≤ Ta ≤ +0°C 1.5 h at 0°C ≤ Ta ≤ +40°C	1.5 h	1.5 h	1.5 h
Type of light source	2x 10W LED module	2x 12W LED module	4x 12W LED module	4x 14W LED module
Light output in emergency mode [lm]	720-900	360-450	320-400	600-750
Color temperature [K]	***standard:*** 4000K | ***Options:*** 4500K / 5700K			
CRI	***standard:*** >80 ***| option:*** 90			
Luminous efficacy of the luminaire [lm/W] [Transparent lens, 4000 K]	107	113	126	128
Nominal luminous flux [lm] for different lenses:	**Color temperature: 4000K**			
▸ Transparent	2946	3613	7293	8305
▸ Frosted	2776	3405	6873	7827
▸ Opal	2375	2913	5880	6696
▸ Lifetime [h]	Parameter L80B10 at ambient temperature 25°C: 80,000 Lifetime of electronic controller at ambient temperature 25°C: 100,000 Parameter L80B10 at ambient temperature of 50°C: 70,000 Lifetime of electronic controller at ambient temperature 50°C: 70,000			

ELECTRICAL DATA	PrimeLine 60-1 *****1	PrimeLine 60-2 *****1	PrimeLine 12-2 *****1	PrimeLine 12-3 *****1
Protection class	I	I	I	I
Nominal power [W]*	27.2	31.6	56.5	64.7
Power factor	0.91	0.93	0.97	0.98
Rated voltage [V]	AC 220-240, 50Hz			
Rated current [A]	0.13	0.15	0.25	0.29
Connection terminals	min 1.5 mm^2; max 4 mm^2			

MECHANICAL DATA	PrimeLine 60-1 *****1	PrimeLine 60-2 *****1	PrimeLine 12-2 *****1	PrimeLine 12-3 *****1
Degree of protection (IP)	IP66/67			
Impact resistance (IK)	09			
Housing	Glass fiber reinforced polyester (GRP)			
Lens	Polycarbonate (three versions: transparent, frosted, opal)			
Seal	Silicone foam			

Ambient temperature for different types of lenses	PrimeLine 60-1 *****1	PrimeLine 60-2 *****1	PrimeLine 12-2 *****1	PrimeLine 12-3 *****1
Transparent	-20°C ≤ Ta ≤ +40°C			
Frosted	-20°C ≤ Ta ≤ +40°C			
Opal	-20°C ≤ Ta ≤ +40°C			

NOTES: **1)** Power tolerance: ±10%. **2)** Light flux tolerance: ±10%. **3)** Color temperature tolerance: ±10%, 4500K, optionally: 5700K and 6500K **4)** The version designed to work at Ta = −20°C is only available with a 4000 mAh battery and without loop-through wiring; any of the available types of lenses can be used. **5)** Emergency versions for Ta = −20°C and PrimeLine versions 60-******1/3 are only available without loop-through wiring. **6)** Operating time of version 60-1*****1 in the emergency mode is 1 h at −20°C≤Ta≤0 and 1.5 h at 0≤Ta≤+40°C. **7)** Lifetime: 100.000 hours (L70B50) **8)** Weight: 9.0 kg **9)** Warranty: up to 5 years **10)** Load protection: 2 kV. **11)** Short version of emergency luminaire (models marked 60-1****1) is not available with through wiring.

Emergency lighting [central battery]

Length: 670 mm | **Zones**: 1, 2 and 21, 22 | **Light output:** up to 4185 lm

Centrally controlled emergency lighting system

LIGHT PARAMETERS	PrimeLine 60-1 *****X/Y	PrimeLine 60-2 *****X/Y	PrimeLine 60-3 *****X/Y
Type of light source	2x 10W LED module	2x 12W LED module	2x 14W LED module
Luminous efficacy of the luminaire [lm/W] [Transparent lens, 4000 K]	115	122	125
Color temperature [K]	***standard:*** 4000K | ***Optional:*** 4500K / 5700K		
CRI	***standard:*** >80 ***| option:*** 90		
Nominal luminous flux [lm] for different lens types:	**Color temperature: 4000K**		
▸ Transparent	2946	3613	4185
▸ Frosted	2776	3405	3944
▸ Opal	2375	2913	3374
▸ Lifetime [h]	Parameter L80B10 at ambient temperature 25°C: 80,000 Lifetime of electronic controller at ambient temperature 25°C: 100,000 Parameter L80B10 at ambient temperature of 50°C: 70,000 Lifetime of electronic controller at ambient temperature 50°C: 70,000		
ELECTRICAL SPECIFICATIONS	**PrimeLine 60-1 *****X/Y**	**PrimeLine 60-2 *****X/Y**	**PrimeLine 60-3 *****X/Y**
Protection class	I	I	I
Nominal power [W]*	24.6	29.4	33.5
Power factor	0.98	0.99	0.99
Rated voltage [V]	AC 220-240, 50Hz DC 220-240, 0Hz	AC 220-240, 50Hz DC 220-240, 0Hz	AC 220-240, 50Hz DC 220-240, 0Hz
Rated current [A]	0.11	0.13	0.15
Connection terminals	min 1.5 mm^2; max 4 mm^2		
MECHANICAL SPECIFICATIONS	**PrimeLine 60-1 *****X/Y**	**PrimeLine 60-2 *****X/Y**	**PrimeLine 60-3 *****X/Y**
Degree of protection (IP)	IP66/67		
Impact resistance (IK)	09		
Housing	Glass fiber reinforced polyester (GRP)		
Diffuser	Polycarbonate (three versions: transparent, frosted, opal)		
Seal	Silicone foam		
Ambient temperature for different types of lenses:			
Transparent	-30°C ≤ Ta ≤ +50°C	-30°C ≤ Ta ≤ +50°C	-30°C ≤ Ta ≤ +50°C
Frosted	-30°C ≤ Ta ≤ +50°C	-30°C ≤ Ta ≤ +50°C	-30°C ≤ Ta ≤ +50°C
Opal	-30°C ≤ Ta ≤ +45°C	-30°C ≤ Ta ≤ +45°C	-30°C ≤ Ta ≤ +45°C

NOTES:
[1] Power tolerance ±10%. [2] Luminous flux tolerance ±10%. [3] Color temperature tolerance ±10%; 4500K, optionally 5700K and 6500K. [4] Optional; Ta=+55˚C works only at 220-240 V. [5] LED lifetime 100.000 h (L70B50)
[6] Weight: 9.0 kg [7] Warranty: up to 5 years [8] Overload protection: 2 kV.

Emergency lighting [central battery]

Length: 1276 mm | **Zones**: 1, 2 and 21, 22 | **Light output:** up to 8305 lm

Centrally controlled emergency lighting system

LIGHT PARAMETERS	PrimeLine 12-1 *****X/Y	PrimeLine 12-2 *****X/Y	PrimeLine 12-3 *****X/Y
Type of light source	4x 10W LED module	4x 12W LED module	4x 14W LED module
Luminous efficacy of the luminaire [lm/W] [Transparent lens, 4000 K]	131	131	131
Color temperature [K]	***standard:*** 4000K | ***Optional:*** 4500K / 5700K		
CRI	***standard:*** >80 ***| option:*** 90		
Nominal luminous flux [lm] for different types of lenses:	**Color temperature: 4000K**		
▸ Transparent	5979	7293	8305
▸ Frosted	5635	6873	7827
▸ Opal	4820	5880	6696
▸ Lifetime [h]	Parameter L80B10 at ambient temperature 25°C: 80,000 Lifetime of electronic controller at ambient temperature 25°C: 100,000 Parameter L80B10 at ambient temperature of 50°C: 70,000 Lifetime of electronic controller at ambient temperature 50°C: 70,000		
ELECTRICAL SPECIFICATIONS	**PrimeLine 12-1 *****X/Y**	**PrimeLine 12-2 *****X/Y**	**PrimeLine 12-3 *****X/Y**
Protection class	I	I	I
Nominal power [W][1]	44.2	54	63.5
Power factor	0.95	0.97	0.97
Rated voltage [V]	AC 220-240, 50Hz DC 220-240, 0Hz	AC 220-240, 50Hz DC 220-240, 0Hz	AC 220-240, 50Hz DC 220-240, 0Hz
Rated current [A]	0.2	0.25	0.3
Connection terminals	min 1.5 mm^2; max 4 mm^2		
MECHANICAL SPECIFICATIONS	**PrimeLine 12-1 *****X/Y**	**PrimeLine 12-2 *****X/Y**	**PrimeLine 12-3 *****X/Y**
Degree of protection (IP)	66/67		
Impact resistance (IK)	09		
Housing	Glass fiber reinforced polyester (GRP)		
Lens	Polycarbonate (three versions: transparent, frosted, opal)		
Ambient temperature for different types of lenses:			
Transparent	-30°C ≤ Ta ≤ +50°C	-30°C ≤ Ta ≤ +50°C	-30°C ≤ Ta ≤ +50°C
Frosted	-30°C ≤ Ta ≤ +50°C	-30°C ≤ Ta ≤ +50°C	-30°C ≤ Ta ≤ +50°C
Opal	-30°C ≤ Ta ≤ +45°C	-30°C ≤ Ta ≤ +45°C	-30°C ≤ Ta ≤ +45°C

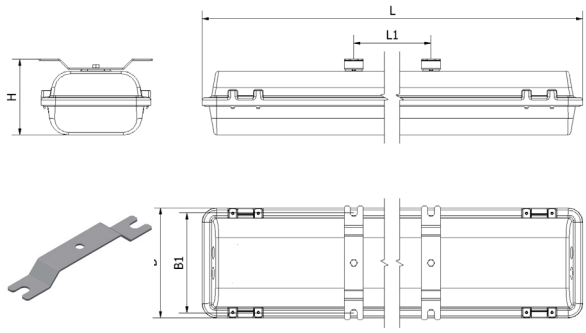
NOTES:
[1] Power tolerance ±10%. [2] Luminous flux tolerance ±10%. [3] Color temperature tolerance ±10%; 4500K, optionally 5700K and 6500K. [4] LED lifetime 100.000 h (L70B50)[5] Weight: 9.0 kg [6] Warranty: up to 5 years [7] Overload protection: 2 kV.

Dimensions and mounting components

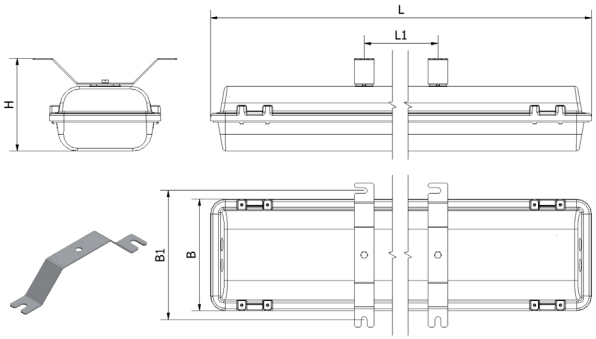
Total dimensions depend on the type of mounting	H	B1
Eyebolt R20	136.0	---
Pole mount bracket R50	156.2	---
Ceiling bracket D18	119.0	157
Ceiling bracket D40	143.7	200
Ceiling bracket C	153.4	---
Wall bracket K45	184.7	---

Type of luminaire	L	L1	B
PrimeLine 60-**********	670	400	173
PrimeLine 12-**********	1276	800	173

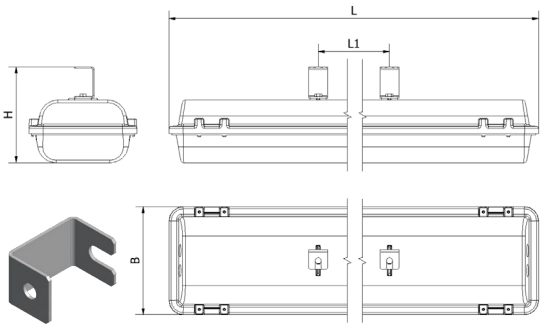
Ceiling mount D18 (code M1)



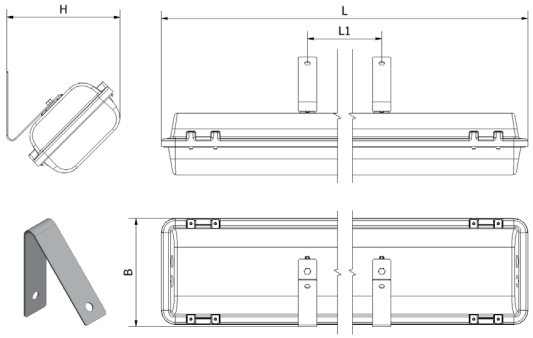
Ceiling mount D40 (code M2)



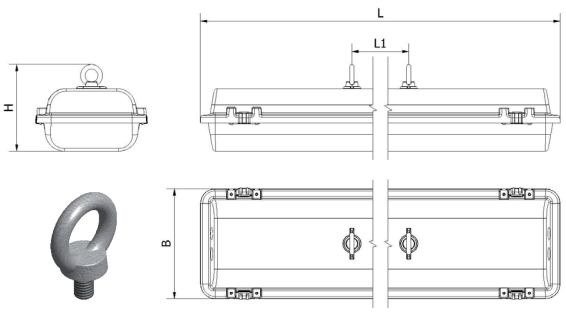
Ceiling mount C (code M4)



Wall bracket K45 (code M3)



Eyebolt R20 (code M5)



Pole mount bracket R50 (code M6)

