

**CREATING LIGHT
DEVELOPING THE**

FUTURE





2 DEMANDING ENVIRONMENT

Demanding Environment

Bering

LED



2.1

Celsius 70

LED



2.2

Einstein 133



2.3

Einstein Agro



2.4

Fahrenheit 70

LED



2.5

Niepce 70 FV



2.6

Pascal

LED



2.7

Pauli 1 HT



2.8

Pauli 2 LT



2.9





BERING

The **Bering** is a specialist low temperature harsh environment fixture featuring mechanical strength and corrosion resistance.



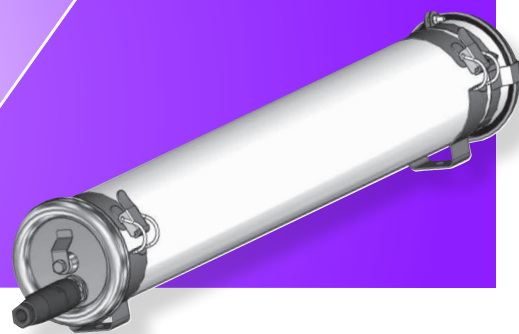
IP68 /
IP69K

IK 10

Class I



LED



Bering

Specification

- Body/lens - satin co-extruded polycarbonate/PMMA (IK10)
- End caps - corrosion resistant stainless steel (316L)
- Beam type - symmetrical
- Fire resistant to 650°C
- Colour temp. - 3,000K
- Operating temp. -40°C to +25°C
- Driver - integral (ETRC)
- Mounting - BRS reinforced bolt mounted stainless steel straps (316L) standard
- Additional mounting options available
- Electrical connection - IP68/69K plug lockable with aluminium threaded ring

Special Features

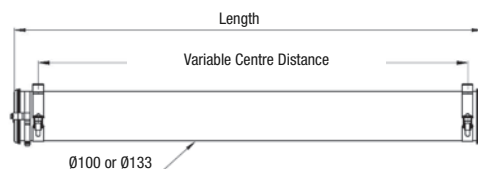
- Specialist constant current transformer operates over a wide range of temperatures
- Fixture can rotate 360° when installed for optimal light distribution
- EMC Compliant - product complies with all provisions set out in AS/NZS CISPR 15:2011

Applications

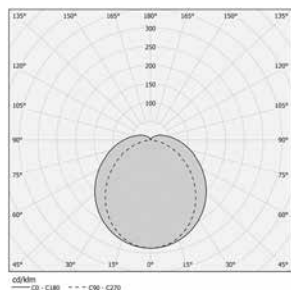
- Ideal for a range of task and general low temperature industrial applications especially for food preparation and dairy industries

Measurements & Weights

Wattage (W)	Length (mm)	Ø (mm)
21	697	100
82	1287	133
102	1587	133



Technical Data



102W LED

Product Range

Accessories

LED	Code	Description	ℓm	LED	Driver	Distribution
	149100	Bering 100 12H830 POME PS3 SA MR BRS	1,900	21W - LED	Integral	Symmetrical Wide Beam
	149110	Bering 133 24H830 POME PS3 SA MR BRS	7,600	82W - LED	Integral	Symmetrical Wide Beam
	149120	Bering 133 25H830 POME PS3 SA MR BRS	9,500	102W - LED	Integral	Symmetrical Wide Beam

Code	Description
151546	Wall Strap - 50mm From Wall
151547	Ceiling Strap - 200mm From Ceiling

Pictorial is representative only. Specifications may change without notice.



CELSIUS 70

The **Celsius 70** is a heavy-duty slimline LED fixture featuring mechanical strength and shock resistance. It is designed for reliable operation in very low temperatures.



IP68 /
IP69K

IK10

Class III



LED



Celsius 70

Specification

- Body/lens - satin co-extruded polycarbonate/PMMA (IK10)
- End caps - corrosion resistant stainless steel (316L)
- Fire resistant to 650°C
- Beam type - symmetrical wide beam
- Colour temp. - 4,100K
- Immediate 100% flux at -60°C
- Operating temp. -60°C to +25°C
- Driver - special low temperature electronic modules (ETRC)
- Mounting - BFS bolt mounted stainless steel straps (316L) standard

- Electrical connection - detachable plug 2 x 1.5mm² (use of low temperature cable with silicone isolation recommended)

Special Features

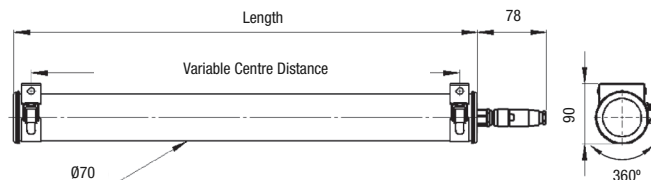
- Range of additional mounting accessories available
- EMC Compliant - product complies with all provisions set out in AS/NZS CISPR 15:2011
- Fixture can rotate 360° when installed for optimal light distribution

Applications

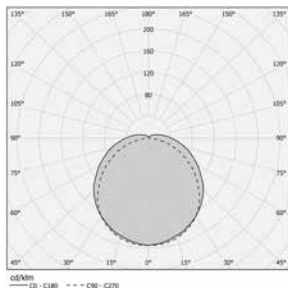
- Ideal for a wide range of demanding industrial applications including cold storage or food production. Ideal for ceiling heights up to 6m

Measurements & Weights

Wattage (W)	Length (mm)
17	613
50	1613



Technical Data



50W LED

Product Range							Accessories	
LED	Code	Description	ℓm	LED	Driver	Distribution	Code	Description
	149440	Celsius 70 841 24DC 2M6L POME PS2 SA MR BFS	741	17W - LED	Integral	Symmetrical Wide Beam	151546	Wall Strap - 50mm From Wall
	149444	Celsius 70 841 24DC 6M6L POME PS2 SA MR BFS	2,224	50W - LED	Integral	Symmetrical Wide Beam	151547	Ceiling Strap - 200mm From Ceiling

Pictorial is representative only. Specifications may change without notice.





EINSTEIN 133

The **Einstein 133** is a heavy-duty harsh environment fluorescent fixture featuring mechanical strength and shock resistance.



IP68 /
IP69K

IK 07

Class I



Einstein 133

Specification

- Body/lens - tough borosilicate glass (IK07)
- End caps - corrosion resistant stainless steel (316L)
- Non-flammable
- Reflector - aluminium one-piece mirror finish
- Beam type - wide symmetrical (RE)
- Control gear - integral
- Operating temp. -20°C to +40°C
- Mounting - BRS reinforced bolt mounted fixing straps (316L)
- Electrical connection - IP68/69K plug lockable with aluminium threaded ring
- Maintenance - release two closing screws, remove end cap with plug for access

Special Features

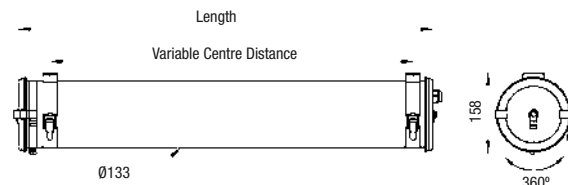
- Range of mounting options available
- Fixture can rotate 360° when installed for optimal light distribution

Applications

- Ideal for a range of demanding industrial applications such as ports, mineral processing and other heavy industries

Measurements & Weights

Wattage (W)	Length (mm)
2 x 24	677
2 x 54	1287

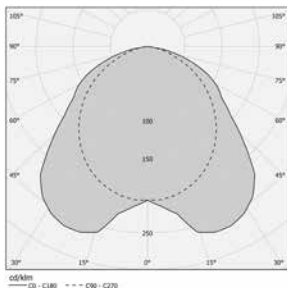


Ø5 - Ø14mm



3.6 kg
Max.

Technical Data



2 x 54W T5

Product Range						Accessories	
LF - T5	Code	Description	Lamp	Gear	Distribution	Code	Description
	150163	Einstein 133 224-l G5 PY PS3 RE MR BRS	2 x 24W - T5	Integral	Symmetrical Wide Beam	151505	BFS - Bolt-Fitted Fixing Straps (2)
	150222	Einstein 133 254-l G5 PY PS3 RE MR BRS	2 x 54W - T5	Integral	Symmetrical Wide Beam	151515	BRV - Screw Close Reinforced Fixing Straps (2)
						151525	BAV - Screw Close Anti-Shock Fixing Straps (2)
						151540	PS3 - IP68/69K Plug & Socket

All fixtures supplied with 240V(AUS) / 230V(NZ) 50Hz control gear unless otherwise stated. Lamp not supplied.
Pictorial is representative only. Specifications may change without notice.





EINSTEIN AGRO

The **Einstein Agro** is a heavy-duty fluorescent fixture specialised for agri-food applications providing mechanical strength and corrosion resistance.



IP68 /
IP69K

IK 10

Class I



Einstein Agro

Specification

- Body/lens - tough co-extruded polycarbonate/PMMA (IK10)
- End caps - corrosion resistant stainless steel (316L)
- Fire resistant - up to 650°C
- Reflector - one-piece mirror finish aluminium
- Beam type - wide (RE - reflector extensive) or narrow (RI - reflector intensive)
- Operating temp. -20°C to +40°C
- Control gear - integral (ETRC)
- Mounting - BRS reinforced bolt mounted stainless steel straps (316L) standard
- Electrical connection - IP68/69K plug lockable with aluminium threaded ring
- Maintenance - easy to clean and gear tray is removable for workshop servicing
- Surge protection - control gear capable of withstanding 4kV spikes
- Over voltage protection - control gear designed resistance to overvoltage 320VAC for one hour duration
- Supplied with long life 75,000hr fluorescent lamps
- In built thermal switch to turn off defective lamps to avoid ballast damage

Special Features

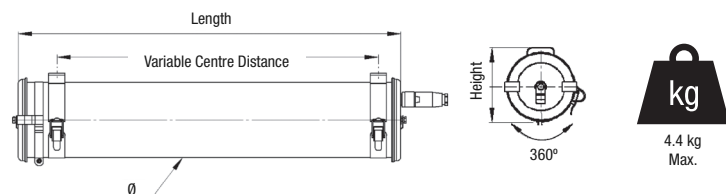
- Co-extruded polycarbonate/PMMA - offers mechanical strength of polycarbonate and chemical resistance of methacrylate
- Materials and components selected for longevity in adverse environments

Applications

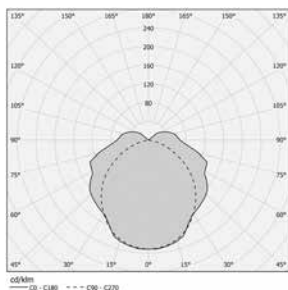
- Ideal for a wide range of demanding industrial, mining and mineral processing applications as well as agricultural, food production and food processing

Measurements & Weights

Wattage (W)	Length (mm)	Ø (mm)	Height (mm)
1 x 36	1307	100	123
2 x 36	1287	133	158



Technical Data



2 x 36W T8

Product Range						Accessories	
LF - T8	Code	Description	Lamp	Gear	Distribution	Code	Description
	151600	Einstein Agro 136-I G13 POME PS3 RI MR BRS	1 x 36W - T8	Integral	Symmetrical Narrow Beam	151546	Wall Strap - 50mm From Wall
	151610	Einstein Agro 236-I G13 POME PS3 RE MR BRS	2 x 36W - T8	Integral	Symmetrical Wide Beam	151547	Ceiling Strap - 200mm From Ceiling

All fixtures supplied with lamp and 240V(AUS) / 230V(NZ) 50Hz control gear unless otherwise stated.
Pictorial is representative only. Specifications may change without notice.





FAHRENHEIT 70

The **Fahrenheit 70** is a compact tubular LED fixture featuring mechanical strength and shock resistance. It is designed for reliable operation in low temperatures.



IP68 /
IP69K

IK 10

Class I



LED



Fahrenheit 70

Specification

- Body/lens - satin co-extruded polycarbonate /PMMA (IK10)
- End caps - corrosion resistant stainless steel (316L)
- Fire resistant to 650°C
- Beam type - symmetrical wide beam
- Colour temp. - 4,100K
- Immediate 100% flux at -20°C
- Operating temp. -30°C to +25°C
- Driver - special low temperature electronic modules (ETRC)
- Mounting - BFS bolt mounted stainless steel straps (316L) standard

- Electrical connection - IP68/69K plug lockable with aluminium threaded ring

Special Features

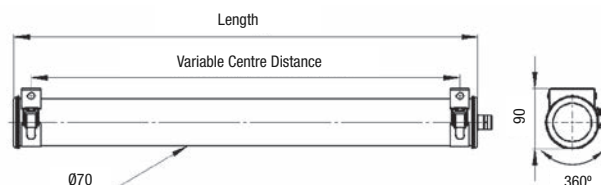
- Range of additional mounting accessories available
- Fixture can rotate 360° when installed for optimal light distribution
- EMC Compliant - product complies with all provisions set out in AS/NZS CISPR 15:2011

Applications

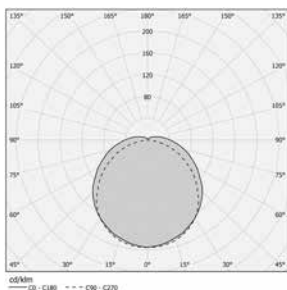
- Ideal for a wide range of demanding industrial applications including cold storage or food production

Measurements & Weights

Wattage (W)	Length (mm)
21	613
30	863



Technical Data



30W LED

Product Range

Accessories

LED	Code	Description	ℓm	LED	Driver	Distribution
	149220	Fahrenheit 70 841 24DC 2M6L 10 POME PS2 SA MR BFS	741	21W - LED	Integral	Symmetrical Wide Beam
	149230	Fahrenheit 70 841 24DC 3M6L 10 POME PS2 SA MR BFS	1,112	30W - LED	Integral	Symmetrical Wide Beam

Code	Description
151546	Wall Strap - 50mm Upstand Kit
151547	Ceiling Strap - 200mm From Ceiling

Pictorial is representative only. Specifications may change without notice.



NIEPCE 70 FV

The **Niepcce 70 FV** is a heavy-duty tubular fixture primarily designed for use in inspection pits and similar situations featuring a specialised bi-directional asymmetric reflector.



IP68 /
IP69K

IK 10

Class I



Niepcce 70 FV

Specification

- Body/lens - tough co-extruded polycarbonate /PMMA (IK10)
- End caps - corrosion resistant stainless steel (316L)
- Fire resistant to 650°C
- Reflector - one-piece mirror finish aluminium
- Beam type - asymmetrical direct/indirect
- Control gear - integral (ETRC)
- Operating temp. -20°C to +30°C
- Mounting - BAV screw close stainless steel straps (316L) standard
- Electrical connection - IP68/69K plug lockable with aluminium threaded ring

Special Features

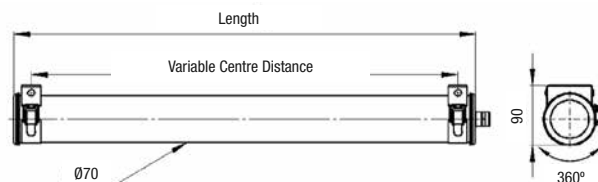
- Fixture can rotate 360° when installed for optimal light distribution
- Additional mounting accessory options available

Applications

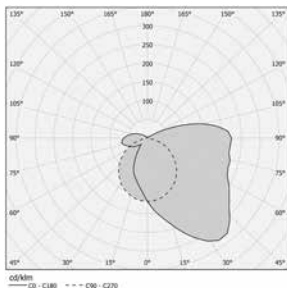
- Typical applications include inspection pits of all kinds and other adverse locations requiring high pressure water cleaning

Measurements & Weights

Wattage (W)	Length (mm)
1 x 24	695
1 x 54	1295



Technical Data



1 x 54W T5

Product Range

	Code	Description	Lamp	Gear	Distribution
LF - T5	152290	Niepce 70 FV 124-I G5 POME PS3 D/I MR BAV	1 x 24W - T5	Integral	Asymmetrical Direct/Indirect Beam
	152298	Niepce 70 FV 154-I G5 POME PS3 D/I MR BAV	1 x 54W - T5	Integral	Asymmetrical Direct/Indirect Beam

All fixtures supplied with 240V(AUS) / 230V(NZ) 50Hz control gear unless otherwise stated. Lamp not supplied.

Pictorial is representative only. Specifications may change without notice.





PASCAL

The **Pascal** is an LED alternative that delivers optimum light distribution at low temperatures using fewer fixtures than traditional fluorescent.



IP68 /
IP69K

IK 10

Class I



LED



Pascal

Specification

- Body/lens - satin co-extruded polycarbonate/PMMA (IK10)
- End caps - corrosion resistant stainless steel (316L)
- Fire resistant to 650°C
- Beam type - symmetrical wide beam
- Colour temp. - 3,000K
- Operating temp. -20°C to +35°C
- Driver - integral (ETRC)
- Mounting - BRS reinforced bolt mounted stainless steel straps (316L)
- Additional mounting options available
- Electrical connection - IP68/69K plug lockable with aluminium threaded ring

Special Features

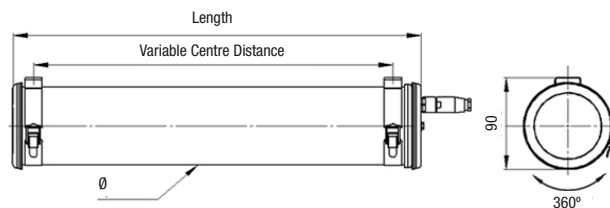
- LED and driver service life is 50,000 hours
- Fixture can rotate 360° when installed for optimal light distribution
- EMC Compliant - product complies with all provisions set out in AS/NZS CISPR 15:2011

Applications

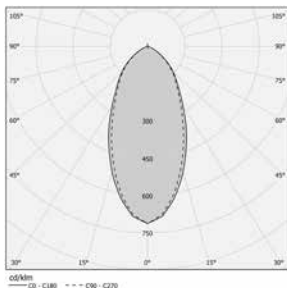
- Ideal for a wide range of demanding industrial applications including cold storage or food production

Measurements & Weights

Wattage (W)	Length (mm)	Ø (mm)
18	708	100
35	1318	100
52	1850	100
70	1295	133
104	1850	133



Technical Data



70W LED

Product Range							Accessories	
LED	Code	Description	ℓm	LED	Driver	Distribution	Code	Description
	153000	Pascal 100 12H830 POME PS3 SA MA BRS	1,850	18W - LED	Integral	Symmetrical Wide Beam	151546	Wall Strap - 50mm From Wall
	153010	Pascal 100 14H830 POME PS3 SA MA BRS	3,700	35W - LED	Integral	Symmetrical Wide Beam	151547	Ceiling Strap - 200mm From Ceiling
	153020	Pascal 100 16H830 POME PS3 SA MA BRS	5,550	52W - LED	Integral	Symmetrical Wide Beam		
	153030	Pascal 133 24H830 POME PS3 SA MA BRS	7,400	70W - LED	Integral	Symmetrical Wide Beam		
	153040	Pascal 133 26H830 POME PS3 SA MA BRS	11,100	104W - LED	Integral	Symmetrical Wide Beam		

Pictorial is representative only. Specifications may change without notice.





PAULI 1 HT

The **Pauli 1 HT** (High Temperature) is a heavy-duty tubular fixture designed for the most demanding applications with high temperatures up to 80°C (or 100°C if a separate gear tray is used).



IP68 /
IP69K

IK 07

Class I



Pauli 1 HT (High Temperature)

Specification

- Body/lens - tough borosilicate glass (IK07)
- End caps - corrosion resistant stainless steel (316L)
- Non-flammable
- Reflector - white powder coated gear tray acts as the reflector
- Beam type - very wide symmetrical
- Control gear - integral
- Operating temp. -20°C to +80°C
- Mounting - BRS reinforced bolt fitted fixing straps (316L)
- Electrical connection - twin nickel plated brass gland

Special Features

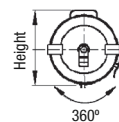
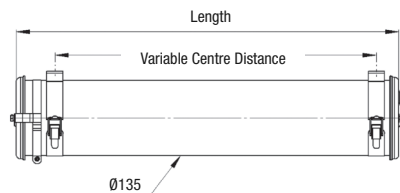
- Fixture can rotate 360° when installed for optimal light distribution
- Additional mounting options available

Applications

- Ideal for the most arduous of conditions, typically steelworks and other metallurgical applications

Measurements & Weights

Wattage (W)	Length (mm)
2 x 18	677
2 x 36	1287

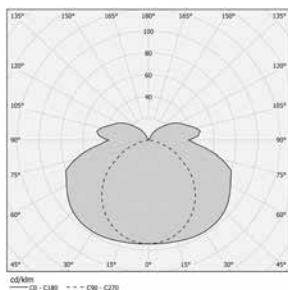


Ø5 - Ø14mm



10.3 kg
Max.

Technical Data



2 x 36W T8

Product Range						Accessories	
LF - T8	Code	Description	Lamp	Gear	Distribution	Code	Description
	149663	Pauli 1 HT80 218C G13 PY 213LN RE MR BRS	2 x 18W - T8	Integral	Symmetrical Very Wide Beam	151505	BFS - Bolt-Fitted Fixing Straps (2)
	149671	Pauli 1 HT80 236C G13 PY 213LN RE MR BRS	2 x 36W - T8	Integral	Symmetrical Very Wide Beam	151515	BRV - Screw Close Reinforced Fixing Straps (2)
						151525	BAV - Screw Close Anti-Shock Fixing Straps (2)
						151540	PS3 - IP68/69K Plug & Socket

All fixtures supplied with 240V(AUS) / 230V(NZ) 50Hz control gear unless otherwise stated. Lamp not supplied.

Pictorial is representative only. Specifications may change without notice.





PAULI 2 LT

The **Pauli 2 LT** (Low Temperature) is a heavy-duty tubular fixture designed for the most demanding applications with low ambient temperatures down to -30° (GF version) & -50°C (TGF version).



IP68 /
IP69K

IK 07

Class I



Pauli 2 LT (Low Temperature)

Specification

- Body/lens - tough methacrylate (IK07)
- End caps - corrosion resistant stainless steel (316L)
- Fire resistant to 960°C
- Reflector - aluminium one-piece mirror finish
- Beam type - symmetrical very wide (RE)
- Control gear - integral
- Mounting - BRS reinforced bolt mounted fixing straps (316L)
- Electrical connection - twin nickel plated brass gland

Special Features

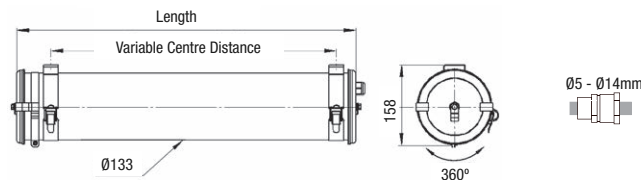
- Additional mounting options available
- Fixture can rotate 360° when installed for optimal light distribution
- Ability for continuous wiring, specify at point of ordering
- GF model operates from -30° to +30°
- TGF model operates from -50° to +10°
- Low temperature electronic starters

Applications

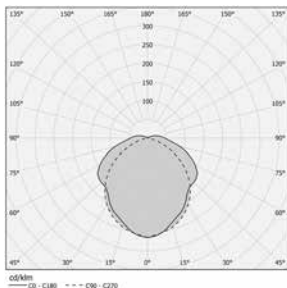
- Suitable for agri-food industries including those operating refrigerated or deep freezer storage areas

Measurements & Weights

Wattage (W)	Length (mm)
2 x 58	1587



Technical Data



2 x 58W T8 - GF version

Product Range						Accessories	
LF - T8	Code	Description	Lamp	Gear	Distribution	Code	Description
	149430	Pauli 2 GF 258C G13 ME 213LN RE MR BRS	2 x 58W - T8	Integral	Symmetrical Very Wide beam	151505	BFS - Bolt-Fitted Fixing Straps (2)
	149410	Pauli 2 TGF 158C G13 ME 213LN RE MR BRS	1 x 58W - T8	Integral	Symmetrical Very Wide beam	151515	BRV - Screw Close Reinforced Fixing Straps (2)
						151525	BAV - Screw Close Anti-Shock Fixing Straps (2)
						151540	PS3 - IP68/69K Plug & Socket

All fixtures supplied with 240V(AUS) / 230V(NZ) 50Hz control gear unless otherwise stated. Lamp not supplied.
Pictorial is representative only. Specifications may change without notice.





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