



SURFACE MOUNT WEATHERPROOF LUMINAIRES

NORMA
ISTHAR
ISTHAR LED
LF4





NORMA

The Norma is a range of weather resistant and corrosion proof IP65 fitting suitable for low to medium height mounting in industrial applications; warehouses, storerooms, passages and corridors. Body and cover are manufactured from impact resistant polycarbonate. A wide selection of lamp options are available to satisfy a variety of applications.

FEATURES

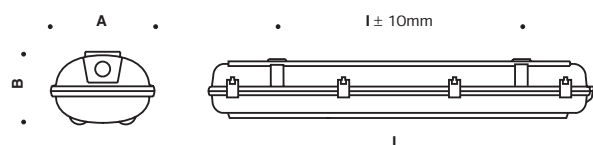
- T5 lamp versions
- Electronic control gear suitable for 220-240V, 50/60Hz supply
- Body in polycarbonate light grey RAL 7035 with directly injected polurethane foam gasket
- Diffuser in transparent polycarbonate, UV resistant, with prismatic interior
- Body and diffuser in self-extinguishing V2
- UL94 and resistant to the incandescent filament at 850°C
- Stainless steel clips
- Simple installation stainless steel ceiling brackets
- Reflector manufactured in sheet steel finished in non-yellowing white paint

PRODUCT CODES

Norma					
Code	Wattage	Lamp Type	Beam	Finish	Length (mm)
P05331690	1X28W	T5	Symmetrical wide beam	RAL 7035 Light Grey	1285
P05331790	1X35W	T5	Symmetrical wide beam	RAL 7035 Light Grey	1585
P05332090	1X49W	T5	Symmetrical wide beam	RAL 7035 Light Grey	1585
P05332190	1X54W	T5	Symmetrical wide beam	RAL 7035 Light Grey	1285
P05332290	1X80W	T5	Symmetrical wide beam	RAL 7035 Light Grey	1585
P05331890	2X28W	T5	Symmetrical wide beam	RAL 7035 Light Grey	1285
P05331990	2X35W	T5	Symmetrical wide beam	RAL 7035 Light Grey	1585
P05332390	2X49W	T5	Symmetrical wide beam	RAL 7035 Light Grey	1585

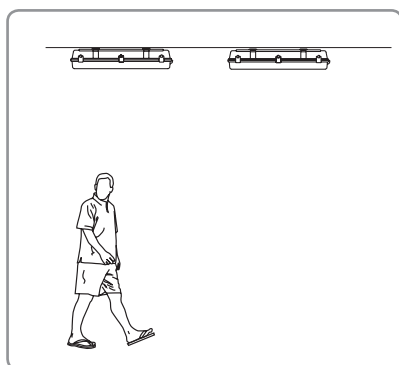


DIMENSIONS *Measurements mm*



	A	B	I	L
1x18	105	102	330	675
1x36	105	102	800	1285
1x58	105	102	860	1585
2x18	155	105	330	675
2x36	155	105	800	1285
2x58	155	105	860	1585

INSTALLATION & SCALE



IP65

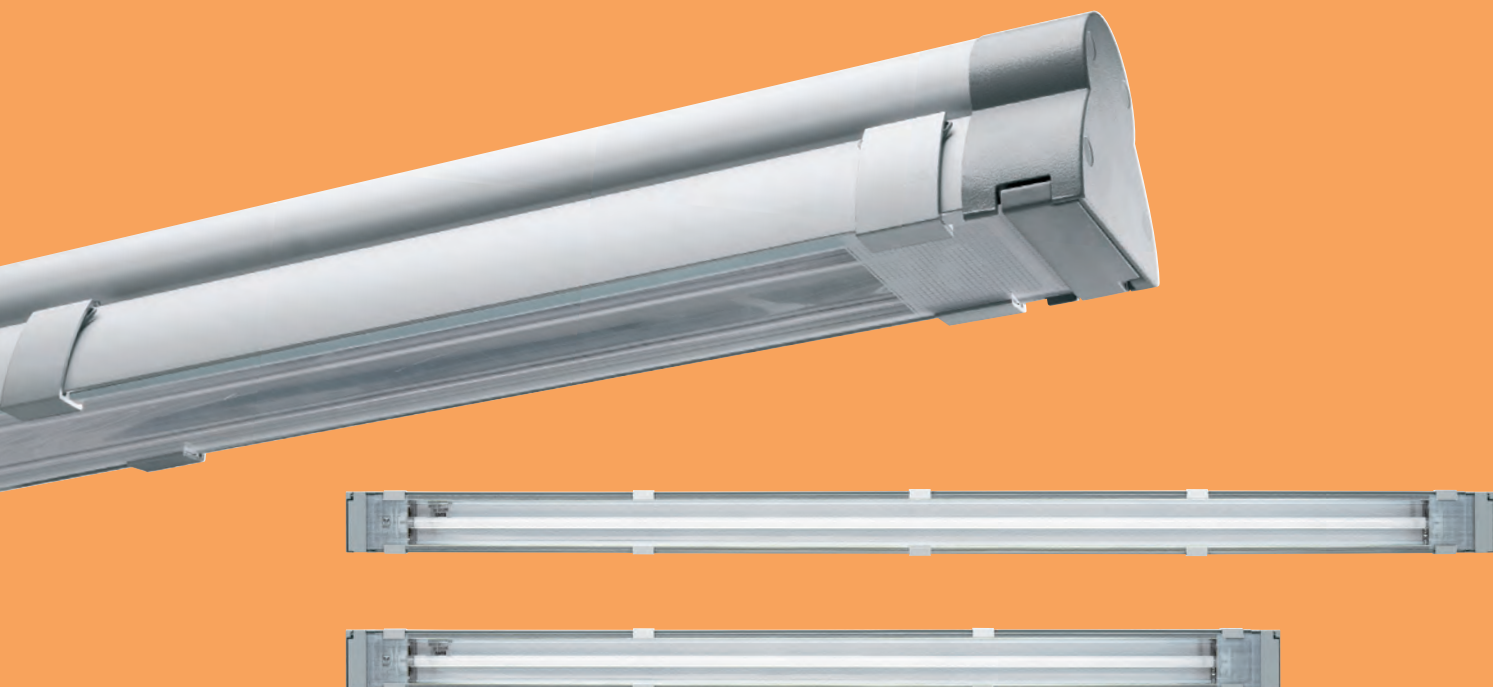


Class I



IK 09
12J

Spectra
Lighting



ISTHAR

The Isthar series is a range of linear fluorescent luminaires which feature an exceptionally slim profile in a corrosion-resistant anodised aluminium body. The Isthar's slim contemporary design means this high performance luminaire is ideal for prestigious architectural applications from general area lighting to the illumination of architectural features and facades.

This linear fluorescent fixture features an IP66 rating and is suitable for indoor and outdoor use. The low profile also makes it useful when ceiling height is an issue. Three lengths are available depending on the lamp type utilised.

FEATURES

- Body manufactured from anodised rigid extruded aluminium
- Pre-treated die-cast aluminium end caps are sealed to body with silicon gasket and secured with stainless steel screws
- Low profile design suits installation in locations where ceiling height is a major consideration
- Toughened safety glass lens is hinged to the body by two technopolymer heads
- Lens seals the luminaire via anti-aging silicon rubber gaskets
- For use with T5 fluorescent lamps
- Isthar with HE lamps is suitable for operating in an ambient temperature of -20° to 50°
- Wide beam and extra wide beam distribution
- A pair of suspension points made from die-cast aluminium allow for adjustment of the fitting
- Available for in-series connections
- Stainless steel external fixings are supplied.

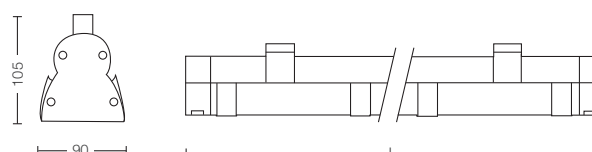
PRODUCT CODES

Isthar supplied with integral electronic control gear (lamps not included)					
Code	Wattage	Lamp Type	Beam	Finish	Length (mm)
220205	1 x 14W	T5	Adjustable	Body - Anod. Aluminium, Ends - RAL 9006 Aluminium Grey	700
220225	1 x 28W	T5	Adjustable	Body - Anod. Aluminium, Ends - RAL 9006 Aluminium Grey	1300
220245	1 x 35W	T5	Adjustable	Body - Anod. Aluminium, Ends - RAL 9006 Aluminium Grey	1600

Code	Accessories
220397	a) Pair of 316 Stainless Steel Wall Mounting Brackets
220398	b) Pair of 316 Adjustable (100mm) Steel Mounting Brackets
220399	c) Pair of 316 Adjustable (300mm) Steel Mounting Brackets

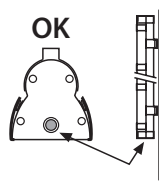
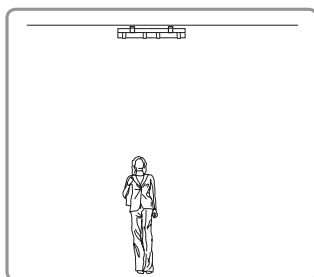


DIMENSIONS Measurements mm

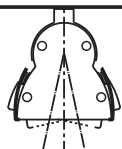




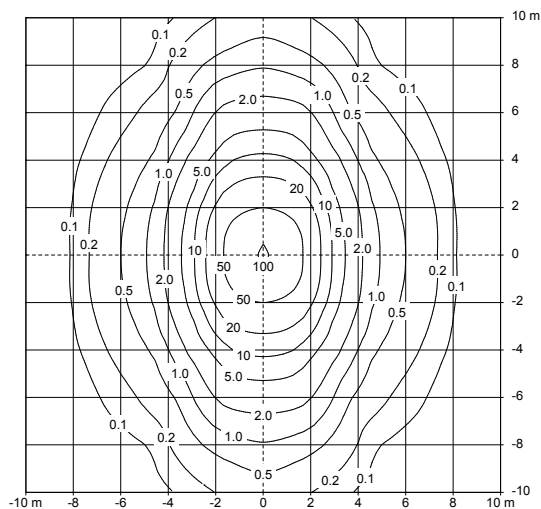
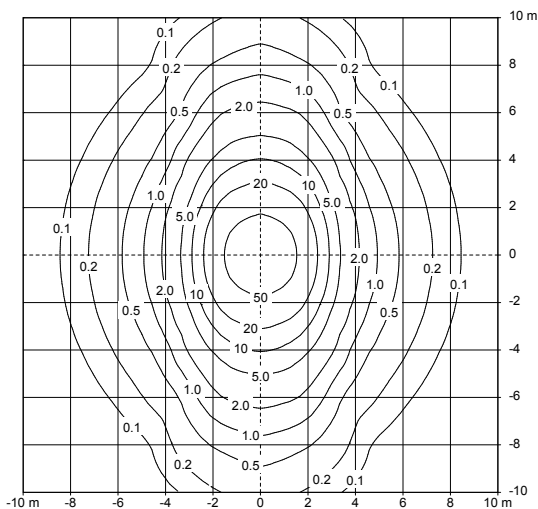
INSTALLATION & SCALE



VISUALISATION



±12°



IP66



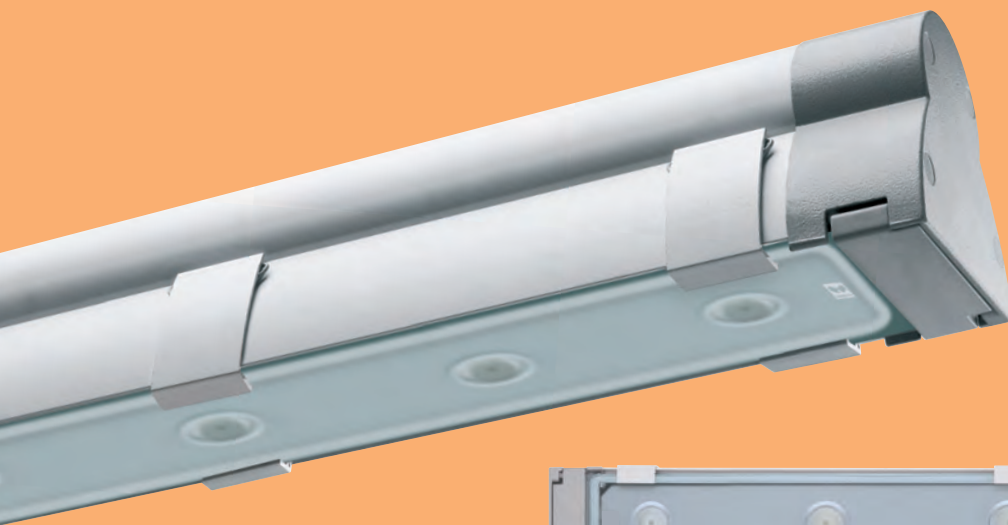
5.1 kg max.

IK 07
3J

Class II



SpectraTM
Lighting



ISTHAR LED

The Isthar LED linear luminaire features a slim contemporary design that is well suited for prestigious architectural applications. The IP66 rated slim form of the Isthar LED means it can be discreetly installed to dramatically highlight architectural details and facades. Another key feature is its efficient low maintenance LED light source.

A variety of versions are available featuring either high-efficiency LEDs and integral control gear (white or blue) or RGB colour changing LEDs and remote control gear. The RGB version offers three colour programs (warm colours, cool colours, colour rainbow) or a single fixed colour output.

FEATURES

- Rigid extruded aluminium body, anodised for durability
- Pair of die-cast aluminium mounting brackets provides adjustment for fitting $\pm 12^\circ$
- Lens - impact resistant clear glass
- Upward aiming possible
- Stainless steel fixings
- Supplied with two stainless steel cable glands for in-series connections
- IP66 breather mounted at single end
- Die-cast aluminium end caps, pre-treated and powder coated for durability
- RGB version - requires appropriate Master and Slave units for operation.

PRODUCT CODES

Isthar LED supplied complete with lamps and integral electronic control gear

Code	Wattage	Lamp Type	Beam	Finish	Length (mm)
220265	8 x 1.4W	LED White	Symmetrical	Body - Anod. Aluminium, Ends - RAL 9006 Aluminium Grey	700
220270	8 x 1.4W	LED Blue	Symmetrical	Body - Anod. Aluminium, Ends - RAL 9006 Aluminium Grey	700

Isthar LED RGB requires remote electronic transformer (24V DC, plus 'Master' or 'Slave' unit depending on config - not included)

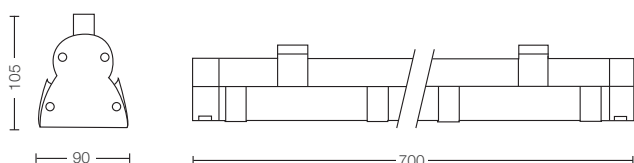
Code	Wattage	Lamp Type	Beam	Finish	Length (mm)
220285	5 x 3.6W	LED RGB	45°	Body - Anod. Aluminium, Ends - RAL 9006 Aluminium Grey	700

Code	Accessories
220397	a) Pair of 316 Stainless Steel Wall Mounting Brackets
220398	b) Pair of 316 Adjustable (100mm) Steel Mounting Brackets
220399	c) Pair of 316 Adjustable (300mm) Steel Mounting Brackets
222097	Master Colour Changing Unit
222098	Additional Slave Colour Changing Unit
222099	Infrared Remote Control for Master Colour Changing Unit

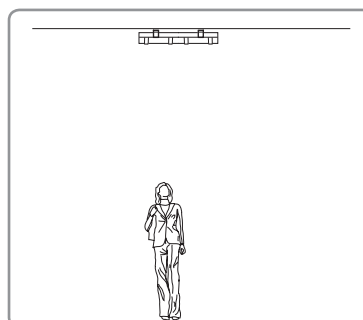




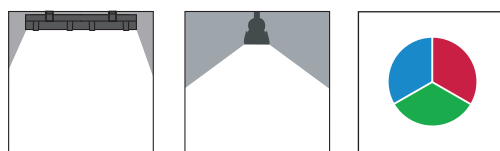
DIMENSIONS Measurements mm



INSTALLATION & SCALE



VISUALISATION



RGB COLOUR PROGRAMS

- 1) Rainbow - 70 second cycle
- 2) Warm Colour - 50 second cycle
- 3) Cool Colour - 50 second cycle
- 4) Single fixed colour output

DIAGRAM FOR 1 FITTING



DIAGRAM FOR 2 FITTINGS

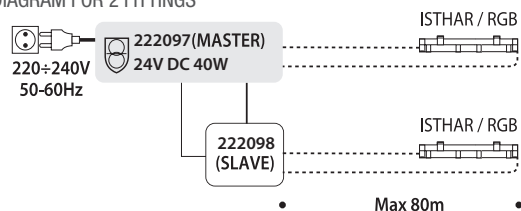
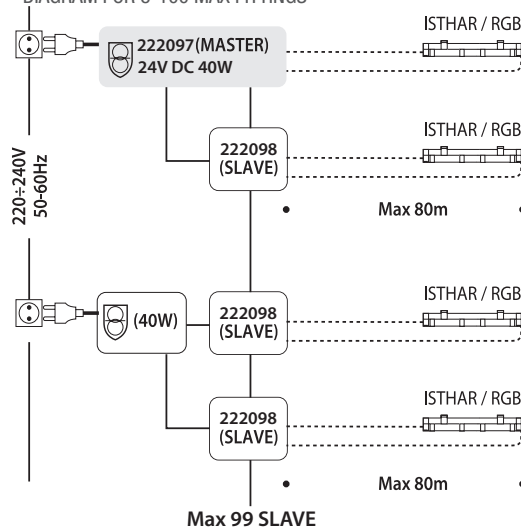


DIAGRAM FOR 3-100 MAX FITTINGS



IP66



4.8 kg max.

IK 07
3J

RGB LED
Class III



Spectra
Lighting



LF4

The LF4 is an IP66 rated linear fluorescent with a striking contemporary look. This high-quality luminaire is manufactured from extruded aluminium with high-efficiency reflectors and is suitable for indoor and outdoor installation under moist or dusty conditions.

Various versions are available with different configurations of T5 fluorescent lamps and a choice of either impact resistant glass or polycarbonate.

FEATURES

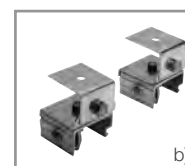
- Rigid extruded aluminium body, anodised for durability
- Technopolymer end caps
- Lens – impact resistant clear glass or polycarbonate
* When using the polycarbonate lens the IP rating is reduced to IP65
- Pure and polished anodised aluminium reflector
- Stainless steel fixings
- For use with T5 HE (High Efficiency) lamp (lamps not included)
- Complete with two cable glands and internal wiring for through wiring installation
- Suitable to operate from -20°C to +50°C depending on the lamp and gear version
- Dimmable electronic ballast options available on request.

PRODUCT CODES

LF4 supplied with integral electronic control gear (lamps not included)

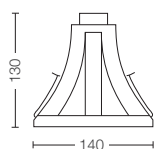
Code	Wattage	Lamp Type	Beam	Finish/Cover	Length (mm)
165175	1 x 14W	T5	Symmetrical	Anod. Aluminium/ Glass Cover	785
165190	2 x 14W	T5	Symmetrical	Anod. Aluminium/ Glass Cover	785
165180	1 x 28W	T5	Symmetrical	Anod. Aluminium/ Glass Cover	1395
165195	2 x 28W	T5	Symmetrical	Anod. Aluminium/ Glass Cover	1395
165185	1 x 35W	T5	Symmetrical	Anod. Aluminium/ Glass Cover	1695
165200	2 x 35W	T5	Symmetrical	Anod. Aluminium/ Glass Cover	1695
165212	1 x 14W	T5	Symmetrical	Anod. Aluminium/ Polycarb. Cover	785
165216	2 x 14W	T5	Symmetrical	Anod. Aluminium/ Polycarb. Cover	785
165213	1 x 28W	T5	Symmetrical	Anod. Aluminium/ Polycarb. Cover	1395
165217	2 x 28W	T5	Symmetrical	Anod. Aluminium/ Polycarb. Cover	1395
165214	1 x 35W	T5	Symmetrical	Anod. Aluminium/ Polycarb. Cover	1695
165218	2 x 35W	T5	Symmetrical	Anod. Aluminium/ Polycarb. Cover	1695

Code	Accessories
165250	a) Heavy Duty Wall or Ceiling Mounting Brackets
165255	b) Adjustable Wall or Ceiling Mounting Brackets



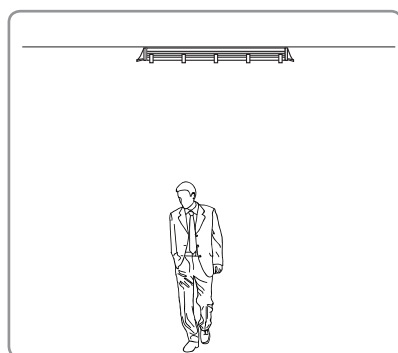


DIMENSIONS Measurements mm

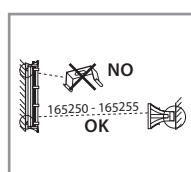
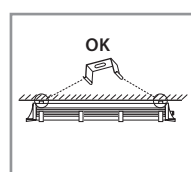
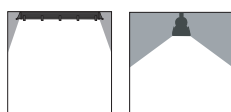


Wattage	L mm
14W	785
28W	1395
35W	1695

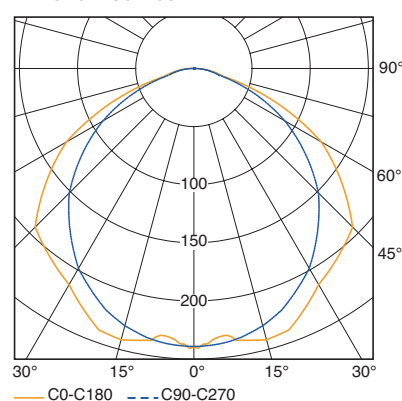
INSTALLATION & SCALE



VISUALISATION



LF4
2 X 28 T5 FLUORESCENT



Glass
IP66

Polycarbonate
IP65



Class I



8.5
kg
max.

IK 08
6J