FUTURA PIR



... with movement detector, impact resistant, MultiLumen.

USE

The light fitting is suitable for industrial indoor and outdoor roofed spaces, warehouses, sports areas, workshops, garages, transport terminals, utility structures and laboratories without a danger of explosion of gas, dust and combustible fumes.

The luminaire is suitable for workplaces with a mounting height of 3.5 to 12 m.

The light fitting is resistant to dust, moisture and spouting water. The body and the diffuser made of polycarbonate (PC) have the increased resistance against deformation and impact.

Emissions in the environment of use may reduce the usability of the plastics; for more information see page 421.

ADVANTAGES

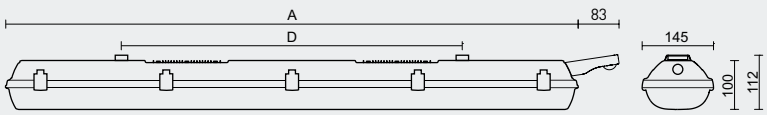
- Light fitting protection **IP65**
- Maximum ambient temperature up to t_a **= 50 °C**
- Lifetime: 50,000 hours / L90B10
- Lifetime: 100,000 hours / L80B10
- Diffuser: translucent polycarbonate (PC) = high mechanical resistance
- Body: grey polycarbonate with Al coolers (PC Al) = high mechanical resistance
- Up to 45 % lower electricity consumption when compared to tubes T5
- Constant luminous flux even in ambient temperature of -25 °C
- **MultiLumen (ML)** function enables simple switching between up to four luminous fluxes via driver's DIP switch
- Standard model - CRI > 80: 4000 K
- At request CRI > 80: 3000 K, 5000 K, 6500 K, CRI > 90: 3000 K, 4000 K, 5000 K, 6500 K
- It can be delivered in dimmable or emergency version

FUTURA PIR PC Al, PCc Al

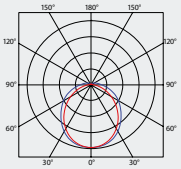


TECHNICAL DESCRIPTION

- Light fitting protection: IP65
- Maximum ambient temperature: t_a = 50 °C, Maximum ambient temperature: t_a = 0-40 °C (version with emergency back-up M3hAt)
- Maximum system efficacy: 167 lm/W
- The watt and lumen values can vary by ± 7,5 %
- Standard model - CRI > 80: 4000 K
- MacAdam = 3 SDCM
- Lifetime: 50,000 hours / L90B10
- Lifetime: 100,000 hours / L80B10
- **MultiLumen (ML):** luminous flux variable in up to 4 steps. In the standard version preset maximum luminous flux.
- Diffuser: translucent polycarbonate (PC), UV stable, impact-resistant
- Body: grey polycarbonate with Al coolers (PC Al), UV stable, impact-resistant
- Reflector: steel sheet, white colour (RAL 9003)
- Clips: polyamide + 15 % glass fibre or stainless steel + polyamide
- Sealing: polyurethane (PUR), foamed body groove
- **Motion sensor:** 360° range, switch on height 1 – 12 m, time range 2 sec – 30 min, switch-on sensitivity 2 – 500 lux
- Cable gland: screwed PG 13.5
- Distance part: polyamide + 10 % glass fibre
- Terminal block: screwless, three-pole (basic version)
- Installation: package contains stainless hooks and stainless brackets



FUTURA 2.4ft PIR



Type	Max. ambient temperature [°C]	Luminous flux of LED modules [lm]	Preselected Step 1 of MultiLumen function			Net weight [kg]	A [mm]	D [mm]
			Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]			
For ambient temperature t_a = 50 °C - body: grey polycarbonate with Al coolers - diffuser: translucent polycarbonate								
FUTURA 2.2ft PIR PC Al 3200/840 *	50	3250	3060	20,1	152	1,55	612	475
FUTURA 2.2ft PIR PC Al 4400/840 *	45	4680	4400	28,3	155	1,55	612	475
FUTURA 2.4ft PIR PC Al 6400/840 *	50	6520	6130	38,4	160	2,55	1172	700
FUTURA 2.4ft PIR PC Al 8800/840 *	45	8980	8440	52,8	160	2,55	1172	700
FUTURA 2.4ft PIR PC Al 12800/840	35	12920	12140	74,8	162	2,75	1172	700
FUTURA 2.5ft PIR PC Al 8000/840 *	50	8330	7830	48,3	162	3,05	1452	940
FUTURA 2.5ft PIR PC Al 11000/840 *	45	11260	10580	64,7	164	3,05	1452	940
FUTURA 2.5ft PIR PC Al 16000/840	35	16100	15130	92,7	163	3,35	1452	940

*) Also available with MultiLumen function:

Type	MultiLumen function								
	Step 2			Step 3			Step 4		
	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]
FUTURA 2.2ft PIR PC Al 3200/840 ML	2650	17,3	153	2240	14,5	154	1810	12,3	147
FUTURA 2.2ft PIR PC Al 4400/840 ML	3830	24,2	158	3240	20,3	160	2610	16,4	159
FUTURA 2.4ft PIR PC Al 6400/840 ML	5310	32,9	161	4470	27,4	163	3630	22,0	165
FUTURA 2.4ft PIR PC Al 8800/840 ML	7320	44,9	163	6190	37,4	166	5020	30,1	167
FUTURA 2.5ft PIR PC Al 8000/840 ML	6790	41,5	164	5740	34,6	166	4640	27,9	166
FUTURA 2.5ft PIR PC Al 11000/840 ML	9170	55,6	165	7730	46,3	167	6260	37,4	167

FUTURA PIR PC Al non-dimmable, plastic clips

Code	Type	M3hAt
107242	FUTURA 2.2ft PIR PC Al 3200/840 ML	107247
107243	FUTURA 2.2ft PIR PC Al 4400/840 ML	107248
107244	FUTURA 2.4ft PIR PC Al 6400/840 ML	107249
107245	FUTURA 2.4ft PIR PC Al 8800/840 ML	107250
107922	FUTURA 2.4ft PIR PC Al 12800/840	x
107246	FUTURA 2.5ft PIR PC Al 8000/840 ML	107251
107923	FUTURA 2.5ft PIR PC Al 11000/840 ML	107918
107924	FUTURA 2.5ft PIR PC Al 16000/840	x

Basic PIR settings: light time 5 min,
ambient light control set to 2 lux
To change the settings, the HRC-11 remote control (12285) is required

FUTURA PIR PCc Al non-dimmable, stainless clips

Code	Type	M3hAt
107262	FUTURA 2.2ft PIR PCc Al 3200/840 ML	107267
107263	FUTURA 2.2ft PIR PCc Al 4400/840 ML	107268
107264	FUTURA 2.4ft PIR PCc Al 6400/840 ML	107269
107265	FUTURA 2.4ft PIR PCc Al 8800/840 ML	107270
107928	FUTURA 2.4ft PIR PCc Al 12800/840	x
107266	FUTURA 2.5ft PIR PCc Al 8000/840 ML	107271
107929	FUTURA 2.5ft PIR PCc Al 11000/840 ML	107920
107930	FUTURA 2.5ft PIR PCc Al 16000/840	x

Basic PIR settings: light time 5 min,
ambient light control set to 2 lux
To change the settings, the HRC-11 remote control (12285) is required

FUTURA PIR PC Al COR digital dimmable DALI, plastic clips

Code	Type	M3hAt
107252	FUTURA 2.2ft PIR PC Al 3200/840 COR	107257
107253	FUTURA 2.2ft PIR PC Al 4400/840 COR	107258
107254	FUTURA 2.4ft PIR PC Al 6400/840 COR	107259
107255	FUTURA 2.4ft PIR PC Al 8800/840 COR	107260
107925	FUTURA 2.4ft PIR PC Al 12800/840 COR	x
107256	FUTURA 2.5ft PIR PC Al 8000/840 COR	107261
107926	FUTURA 2.5ft PIR PC Al 11000/840 COR	107919
107927	FUTURA 2.5ft PIR PC Al 16000/840 COR	x

Basic PIR COR settings:
5 min at 100% light level; 10 min at 20% light level, then 0%
To change the settings, the HRC-11 remote control (12285) is required

FUTURA PIR PCc Al COR digital dimmable DALI, stainless clips

Code	Type	M3hAt
107272	FUTURA 2.2ft PIR PCc Al 3200/840 COR	107277
107273	FUTURA 2.2ft PIR PCc Al 4400/840 COR	107278
107274	FUTURA 2.4ft PIR PCc Al 6400/840 COR	107279
107275	FUTURA 2.4ft PIR PCc Al 8800/840 COR	107280
107931	FUTURA 2.4ft PIR PCc Al 12800/840 COR	x
107276	FUTURA 2.5ft PIR PCc Al 8000/840 COR	107281
107932	FUTURA 2.5ft PIR PCc Al 11000/840 COR	107921
107933	FUTURA 2.5ft PIR PCc Al 16000/840 COR	x

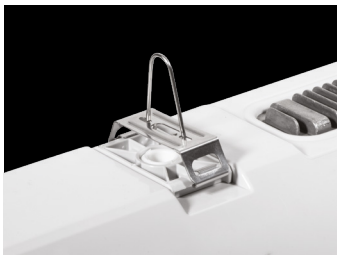
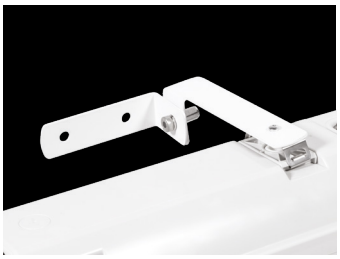
Basic PIR COR settings:
5 min at 100% light level; 10 min at 20% light level, then 0%
To change the settings, the HRC-11 remote control (12285) is required

LEGEND

M3hAt - emergency back-up source with 3 hour operating time for maintained emergency illumination with battery autotest
COR - version with digital dimmable driver DALI and set CORRIDOR function in **PIR sensor, setting with the HRC11 remote control**

LIGHT FITTING ATTACHMENT

a) Directly to a ceiling or a wall with the use of screws and stainless brackets
b) Suspension with the use of stainless hooks
c) Attachment with the use of side hangers to the wall - is not included in accessories

LIGHT FITTING DETAILED VIEW

FUTURA PIR







