

### PRODUCT FEATURES

- Smooth and high transparency opal polycarbonate diffuser
- Built-in aluminium heatsink with excellent heat dissipation
- Replaceable XChange light source module.
- Ultra long 70,000hrs L80B10 life span. Extendable life time.
- Upgradable lightsource. Future proof design.
- Even light distribution
- Loop in and loop out tool-less installation
- IP66 and IK08 rated
- M20 waterproof cable gland
- Optional PIR sensor module with leader-follower function
- Compatible with 177-260Vdc for emergency lighting



### APPLICATIONS

- Car parks
- Garages
- Workshops
- Warehouses
- Underground areas



### GENERAL INFORMATION

Input Voltage / Frequency	220-240 VAC / 50-60Hz (Compatible with 170-278VDC for emergency lighting)
Power Factor	> 0.9
Power Supply Unit	Driver on Board -XChange module
Dimmable	No
CRI	≥ 80
Beam Angle	120°
Colour Consistency	SDCM ≤ 4
Lifetime	70 000hrs L80 B10 at 25°C
Number of Switching Cycles	> 100 000
Energy efficiency class of the light source according to EU regulation 2019/2015 A	This product contains a light source of energy efficiency class <X>
IP	66
IK	08
Protection Class	II
Glow Wire	850°C
Photobiological Safety Group	RG 0
Flicker percentage	≤ 3% at 100Hz
Working Temperature	-30°C to +50°C
Material & Colour	Polycarbonate, SV16
Installation	Surface Mounted; Suspension with Hook, Thief proof mounting
Approvals	EN60598-1, EN60598-2-1, EN62493, EN62471, EN60598-2-24, EN55015; EN61547, EN61000-3-2, EN61000-3-3

### PRODUCT INFORMATION

#### Single CCT

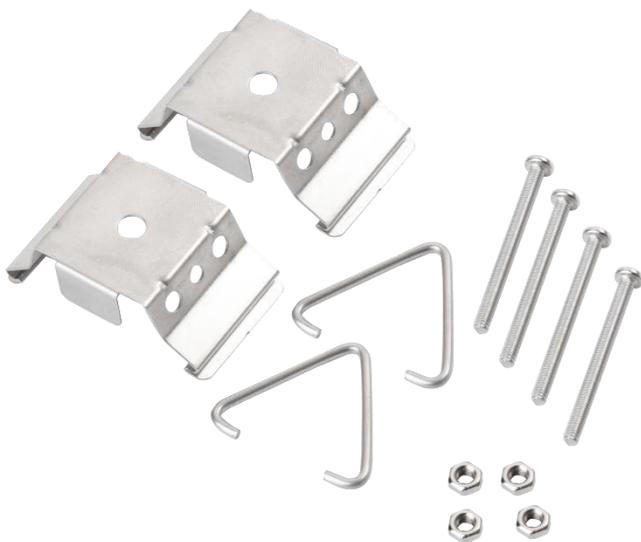
Model No.	MM Code	Length mm	Power W	Input Current mA	Luminous Flux lm	Luminous Efficacy lm/W	Color Temp. K	Light source energy efficiency class <X>
FOB83500v0-ds		600	17/9	85/45	2000/1100	118/122	4000	E
FOB83600v0-ds		1200	33/17	160/85	4000/2300	121/135	4000	E
FOB83700v0-ds		1500	50/33	240/160	6000/4000	120/121	4000	E
FOB83700v2-ds		1500	68/55	330/265	8200/6600	121/120	4000	E
FOB83500v1-ds	MM12486	600	17/9	85/45	2500/1300	147/144	4000	C
FOB83600v1-ds	MM12487	1200	33/17	160/85	4800/2500	145/147	4000	C
FOB83700v1-ds	MM12488	1500	50/33	240/160	7300/4800	146/145	4000	C
FOB83700v3-ds	MM12489	1500	68/55	330/265	10000/8000	147/145	4000	C

### 3-CCT Version

[Preliminary data]

Model No.	MM Code	Length mm	Power W	Input Current mA	Luminous Flux lm	Luminous Efficacy lm/W	Color Temp. K	Light source energy efficiency class <X>
FOB83500v0-ds/sc		600	17/9	85/45	1600/880 2000/1100	94/98 118/122	3000/ 4000/6500	E
FOB83600v0-ds/sc		1200	33/17	160/85	3200/1840 4000/2300	97/108 121/135	3000/ 4000/6500	E
FOB83700v0-ds/sc		1500	50/33	240/160	4800/3200 6000/4000	96/97 120/121	3000/ 4000/6500	E
FOB83700v2-ds/sc		1500	68/55	330/265	6560/3200 8200/6600	96/96 121/120	3000/ 4000/6500	E
FOB83500v1-ds/sc		600	17/9	85/45	2000/1040 2500/1300	118/116 147/144	3000/ 4000/6500	C
FOB83600v1-ds/sc		1200	33/17	160/85	3840/2000 4800/2500	116/118 145/147	3000/ 4000/6500	C
FOB83700v1-ds/sc		1500	50/33	240/160	5840/3840 7300/4800	117/116 146/145	3000/ 4000/6500	C
FOB83700v3-ds/sc		1500	68/55	330/265	8000/6400 10000/8000	118/116 147/145	3000/ 4000/6500	C

### Included accessories



OPTIONAL ACCESSORIES

Model No.	MM Code	Description
LA11155+LA11249	712490/MM12490	PIR Sensor Module Kit for HAGON XChange
LA11156+LA11249		Emergency Kit for HAGON XChange



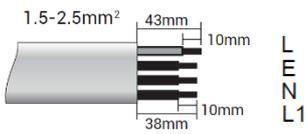
LA11155+LA11249



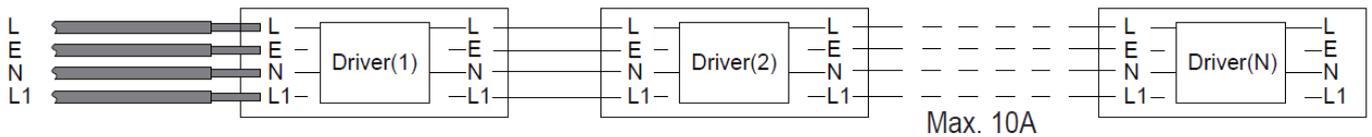
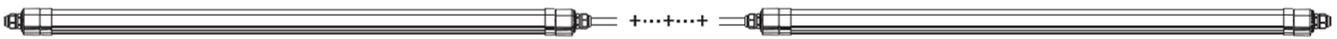
LA11156+LA11249



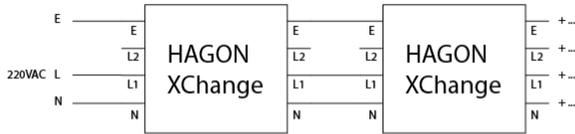
WIRING DIAGRAM



HAGON XChange loop-in / loop-out connection



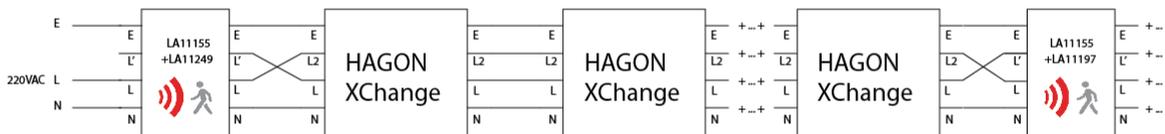
HAGON XChange loop-in / loop-out



HAGON XChange with PIR module, Master - Slave



HAGON XChange with PIR module, Master - Slave - Master



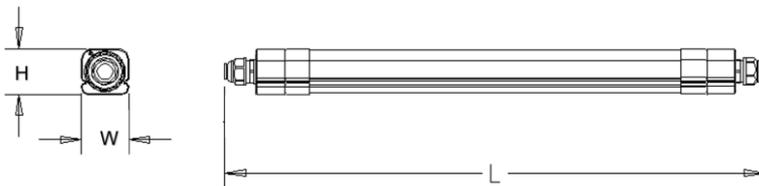
HAGON XChange with Emergency module



Model No.	THD	Inrush Current A	Inrush Duration µs	Max. No. of Luminaire Connection on MCB			
				B10	B16	C10	C16
FOB83500v0-ds	15%	15.60	194	17	26	28	45
FOB83600v0-ds	8%	20.60	172	13	20	21	34
FOB83700v0-ds	15%	26.60	384	6	10	10	17
FOB83700v2-ds	10%	26.80	332	6	9	9	15
FOB83500v1-ds	15%	15.60	194	17	26	28	45
FOB83600v1-ds	8%	20.60	172	13	20	21	34
FOB83700v1-ds	15%	26.60	384	6	10	10	17
FOB83700v3-ds	10%	26.80	332	6	9	9	15
FOB83500v0-ds/sc	15%	15.60	194	17	26	28	45
FOB83600v0-ds/sc	8%	20.60	172	13	20	21	34
FOB83700v0-ds/sc	15%	26.60	384	6	10	10	17
FOB83700v2-ds/sc	10%	26.80	332	6	9	9	15
FOB83500v1-ds/sc	15%	15.60	194	17	26	28	45
FOB83600v1-ds/sc	8%	20.60	172	13	20	21	34
FOB83700v1-ds/sc	15%	26.60	384	6	10	10	17
FOB83700v3-ds/sc	10%	26.80	332	6	9	9	15

### DIMENSIONS & WEIGHT

/Model No.	L Mm	W mm	H mm	Weight g
FOB83500v0-ds	600	60	60	510
FOB83600v0-ds	1200	60	60	930
FOB83700v0-ds	1500	60	60	1130
FOB83700v2-ds	1500	60	60	1145
FOB83500v1-ds	600	60	60	510
FOB83600v1-ds	1200	60	60	930
FOB83700v1-ds	1500	60	60	1130
FOB83700v3-ds	1500	60	60	1145
FOB83500v0-ds/sc	600	60	60	510
FOB83600v0-ds/sc	1200	60	60	930
FOB83700v0-ds/sc	1500	60	60	1130
FOB83700v2-ds/sc	1500	60	60	1145
FOB83500v1-ds/sc	600	60	60	510
FOB83600v1-ds/sc	1200	60	60	930
FOB83700v1-ds/sc	1500	60	60	1130
FOB83700v3-ds/sc	1500	60	60	1145



### ADDITIONAL INFORMATION

Rated lifetime L70/B50 at 25 °C	70000h
Rated lifetime L80/B50 at 25 °C	70000h
Lumen maintenance at median useful life of 35,000 h at 25 °C ambient (tq)	90%
Lumen maintenance at median useful life of 50,000 h at 25 °C ambient (tq)	80%
Lumen maintenance at median useful life of 75,000 h at 25 °C ambient (tq)	N/A
Failure rate at median useful life of 35,000 h at 25 °C ambient (tq)	10%
Failure rate at median useful life of 50,000 h at 25 °C ambient (tq)	10%
Flickering value Pst LM	0.1
Stroboscope effect value SVM	0.4
Constant light output (CLO)	No