



FALKO

FALKO 1 RGBW

MAIN CHARACTERISTICS

Applications	Urban and architectural lighting.
Optic	SP-S20: Symmetrical optic for narrow-beam architectural lighting. SP-M25: Symmetrical optic for medium-beam architectural lighting. SP-W40: Symmetrical optic for wide-beam architectural lighting. SP-WW60: Symmetrical optic for architectural wide-beam lighting. EL-70-30: Symmetrical optics for architectural lighting vertical elliptical-beam. EL-30-70: Symmetrical optics for architectural lighting horizontal elliptical-beam. Colour temperature: RGB + 3000K I CRI ≥80
Insulation class	II, I
Protection degree	IP66/IP67 I IK09
Dimensions	See the drawing
Weight	max 4.5 kg
Exposed surface	Side: 0.026m ² – Top: 0.029m ² I SCx:0.03m ²
Mounting	AP: Integrated bracket for Ø60 - Ø76 - Ø102 - Ø127 pole installation. AM: Integrated bracket for universal wall, ceiling or floor installation. AC: Bracket on pole Ø102-127mm
Tilt Angle	Rotation 0-360° on the table top. Tilt from -90° to +90°
LED Modules	Removable / Replaceable
Gear tray	Removable / Replaceable
Operating temp.	-40°C / +50°C
Storage temperature	-40°C / +80°C
Main reference standards	EN 60598-1, EN 60598-2-5, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3



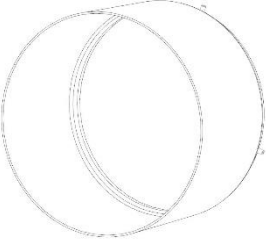
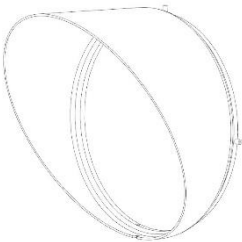
ELECTRICAL CHARACTERISTICS

Rated voltage	220+240V 50/60Hz (Standard tolerance ±10%. Other voltages and tolerances on request)
Power factor	>0.9 (at full load)
Mains connection	Double cable pass-through (enter - exit)
Connection Luminaire	Hybrid Integrated Cable (Mains-DMX) L=0.4m (other lengths optional). See the cable detail table for more information. Optionally: External connectors (1 male + 1 female) IP66/68 anti-reversal, 5 poles (CL.II) or 6 poles (CL.I).
Surge protection	Up to 12kV With SPD: CL.II: 8kV / 10kV CM/DM CL.I: 12kV / 10kV CM/DM Without SPD: CL.II: 8kV / 6kV CM/DM CL.I: 8kV / 6kV CM/DM
SPD (optional)	12kV-10kA, type 2+3, with LED signal and thermo fuse to disconnect load at the end of life.
Control system (options)	DMX-RDM: DMX512-RDM Digital Dimming Interface. See section "DMX Interface"
Check Channel Power	Full Power: Integrated system that maximizes channel power. See section "DMX Interface"
Optical unit lifetime (Tq=25°C)	>100.000hr L80B10

MATERIALS AND FINISHES

Fixing	Steel. Powder-coated.
Body	Die-cast aluminium UNI EN1706. Powder-coated.
Closure	Stainless steel screws.
Optic	PMMA
Screen	Flat tempered glass, 5mm thick, high transparency.
Cable gland	Metallic - IP68
Gasket	Moulded silicone
Body colour	Standard: Graphite - Code 01 Optional: see "Optional Colours" below. (other colours on request)
Color Plate optical ports	Standard: Gold Option: Black

OPTICAL ACCESSORIES (OPTIONAL)

FV: External Full Visor Screen	HV: External Half Visor Screen	HYB: Internal Honeycomb Screen
		

Consult the list of versions to check the availability of accessories depending on the selected optics

ELECTRICAL AND CONTROL ACCESSORIES (OPTIONAL)

IN/OUT extension with IP66/68 M/F connectors for systems in CL.I and CL.II
 IN/OUT extension with IP66/68 F connectors for CL.I and CL.II implants
 M/F IP66/68 connectors for installations in CL.I and CL.II
 IP66/68 terminator for installations in CL.I and CL.II
 Mains-DMX Hybrid Cable
 DMX Control Unit

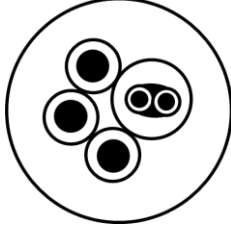
Note: See the accessories tab for more information

MOUNTING ACCESSORIES (OPTIONAL)

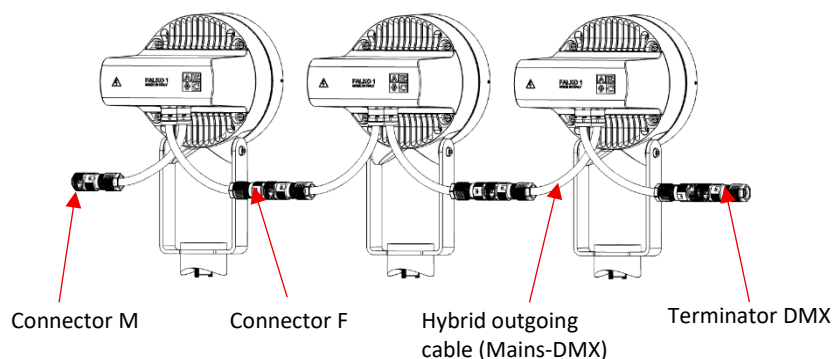
Metal stake
 Fundraiser Kit
 Band for fixing on shafts
 Aiming sight holder
 Bombsight

Note: See the accessories tab for more information

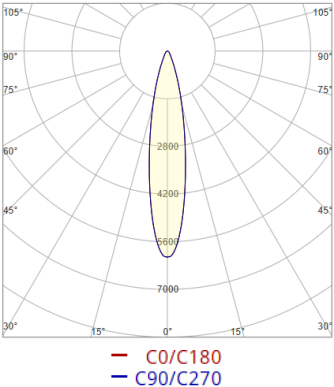
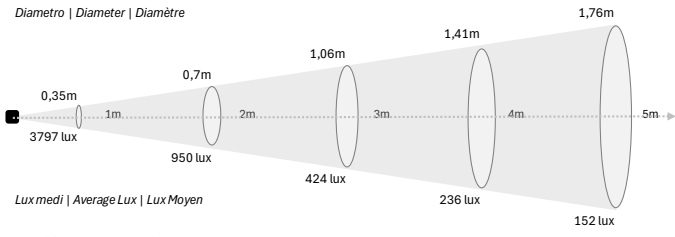
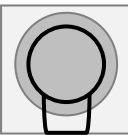
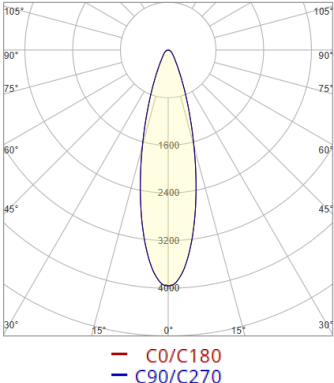
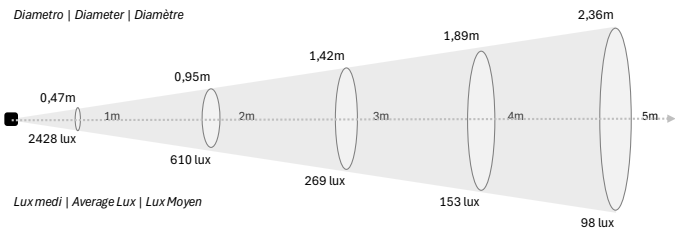
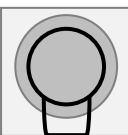
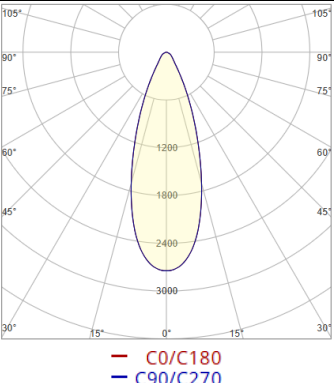
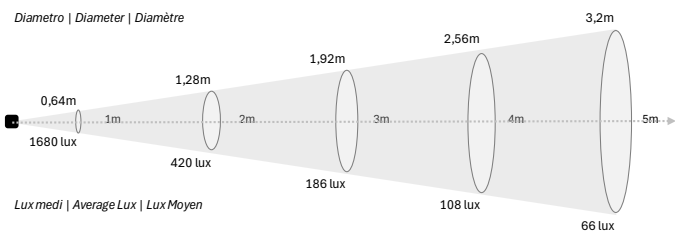
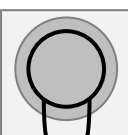
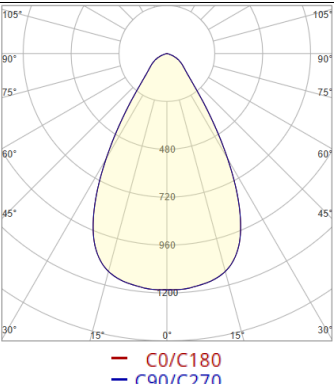
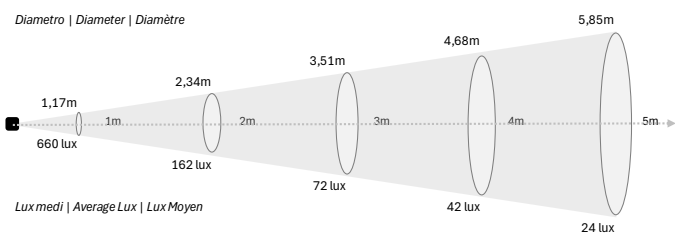
Detail Integrated cable

CARATTERISTICHE ELETTRICHE		IMMAGINE
Type	LiH(2YCH)11Y	
Operating voltage	450Vac / 750Vac	
Maximum current flow rate	15A	
Operating temperature	-40°C / +70°C	
Sheath color	Black	
Smoke emission	LS0H (Low-Smoke Zero Halogen)	
External diameter	11.2 ± 0.3mm	
Cable Section	DMX: 2x0,35 mm ² + shield Mains: 2x1.5mm ² (CL.II) 3x1.5mm ² (CL.I)	
Bending radius	12xD	

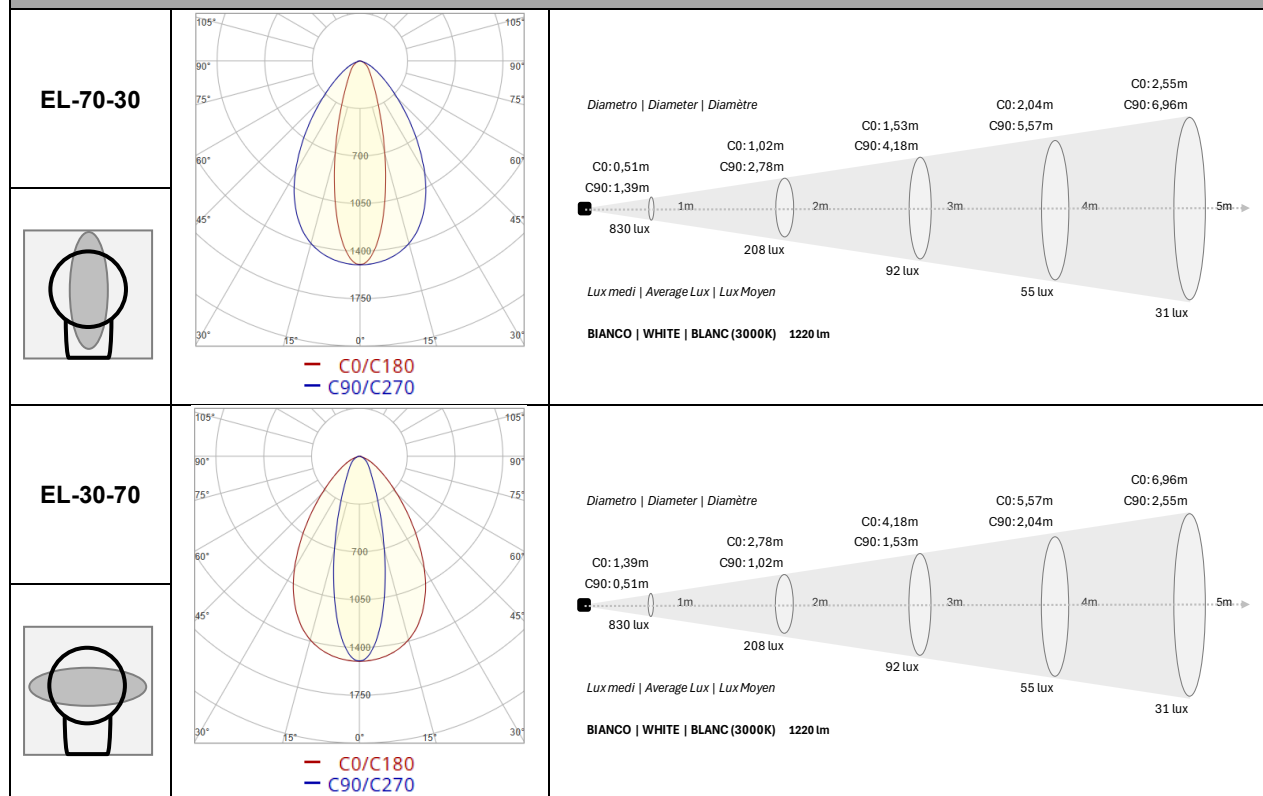
Type electrical connection



PHOTOMETRIC DATA

SPOT OPTICS		
SP-S20 		<i>Diametro Diameter Diamètre</i>  <i>Lux medi Average Lux Lux Moyen</i> BIANCO WHITE BLANC (3000K) 1330 lm
SP-M25 		<i>Diametro Diameter Diamètre</i>  <i>Lux medi Average Lux Lux Moyen</i> BIANCO WHITE BLANC (3000K) 1350 lm
SP-W40 		<i>Diametro Diameter Diamètre</i>  <i>Lux medi Average Lux Lux Moyen</i> BIANCO WHITE BLANC (3000K) 1370 lm
SP-WW60 		<i>Diametro Diameter Diamètre</i>  <i>Lux medi Average Lux Lux Moyen</i> BIANCO WHITE BLANC (3000K) 1310 lm

ELLIPTICAL OPTICS



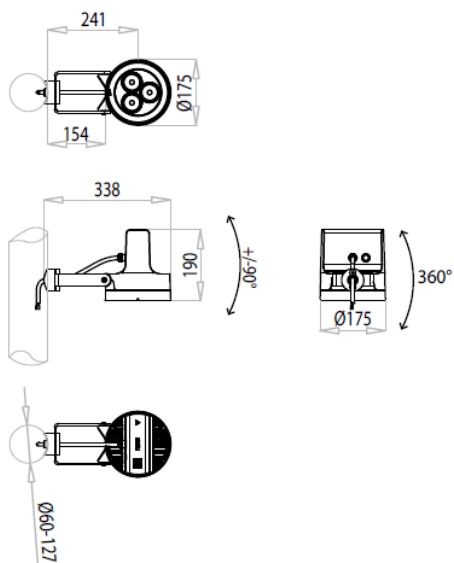
DMX INTERFACE

DMX INTERFACE CONFIGURATION					
Product Version	ADDRESSES n°	ADDRESSES (Pre-configured)			
		1	2	3	4
RGBW	4	Red	Green	Blue	White

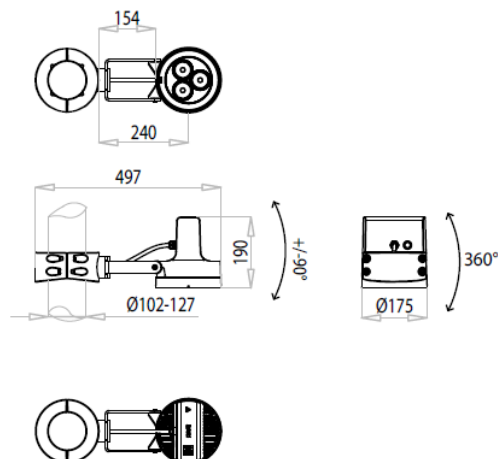
CHANNEL POWER CONTROL				
The FALKO RGBW series allows the maximum available power to be conveyed even on a single channel, maximizing the light output according to the selected color. For example:				

DIMENSIONAL DRAWINGS

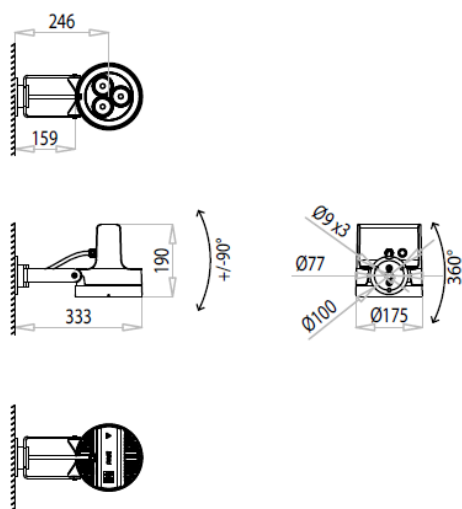
AP



AC

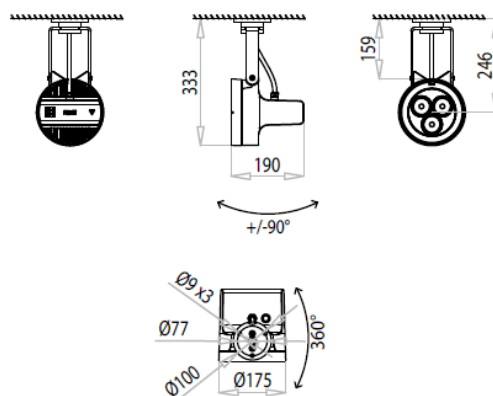


Wall

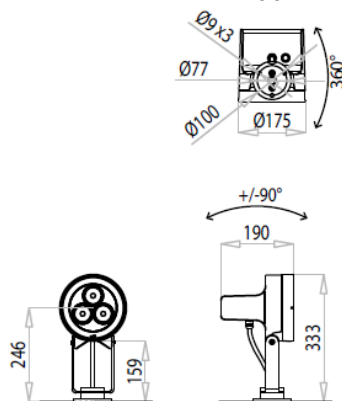


AM

Ceiling



Floor



Standard Colour



Grafite 01
Graphite 01

Optional Colours



FALKO 1 RGBW003 – Ta35

LUMINAIRE	OPTIC	ACCESSORY	RED		GREEN		BLUE		WHITE (8030)		FULL COLOR	
			FLUX* (lm)	POWER* (W)*	FLUX* (lm)	POWER* (W)*	FLUX* (lm)	POWER* (W)*	FLUX* (lm)	POWER* (W)*	FLUX* (lm)	POWER* (W)*
FALKO 1 RGBW003 8030.600.700-1M	EL-70-30		200	19.1	1260	17.4	180	19.1	1220	19.1	960	21
FALKO 1 RGBW003 8030.600.700-1M FV		FV	120	19.1	780	17.4	110	19.1	760	19.1	600	21
FALKO 1 RGBW003 8030.600.700-1M HYB		HYB	90	19.1	580	17.4	80	19.1	560	19.1	440	21
FALKO 1 RGBW003 8030.600.700-1M	EL-30-70		200	19.1	1260	17.4	180	19.1	1220	19.1	960	21
FALKO 1 RGBW003 8030.600.700-1M FV		FV	120	19.1	780	17.4	110	19.1	760	19.1	600	21
FALKO 1 RGBW003 8030.600.700-1M HV		HV	160	19.1	1020	17.4	150	19.1	990	19.1	780	21
FALKO 1 RGBW003 8030.600.700-1M HYB		HYB	90	19.1	580	17.4	80	19.1	560	19.1	440	21
FALKO 1 RGBW003 8030.600.700-1M	SP-S20		220	19.1	1370	17.4	190	19.1	1330	19.1	1050	21
FALKO 1 RGBW003 8030.600.700-1M FV		FV	180	19.1	1110	17.4	150	19.1	1080	19.1	850	21
FALKO 1 RGBW003 8030.600.700-1M HV		HV	200	19.1	1220	17.4	170	19.1	1180	19.1	930	21
FALKO 1 RGBW003 8030.600.700-1M HYB		HYB	140	19.1	880	17.4	120	19.1	850	19.1	670	21
FALKO 1 RGBW003 8030.600.700-1M	SP-M25		220	19.1	1390	17.4	200	19.1	1350	19.1	1060	21
FALKO 1 RGBW003 8030.600.700-1M FV		FV	170	19.1	1060	17.4	150	19.1	1030	19.1	810	21
FALKO 1 RGBW003 8030.600.700-1M HV		HV	190	19.1	1200	17.4	170	19.1	1160	19.1	910	21
FALKO 1 RGBW003 8030.600.700-1M HYB		HYB	130	19.1	790	17.4	110	19.1	770	19.1	600	21
FALKO 1 RGBW003 8030.600.700-1M	SP-W40		230	19.1	1410	17.4	200	19.1	1370	19.1	1070	21
FALKO 1 RGBW003 8030.600.700-1M FV		FV	170	19.1	1060	17.4	150	19.1	1030	19.1	800	21
FALKO 1 RGBW003 8030.600.700-1M HV		HV	200	19.1	1230	17.4	170	19.1	1190	19.1	930	21
FALKO 1 RGBW003 8030.600.700-1M HYB		HYB	130	19.1	800	17.4	110	19.1	780	19.1	610	21
FALKO 1 RGBW003 8030.600.700-1M	SP-WW60		220	19.1	1360	17.4	190	19.1	1310	19.1	1030	21
FALKO 1 RGBW003 8030.600.700-1M FV		FV	150	19.1	910	17.4	130	19.1	880	19.1	690	21
FALKO 1 RGBW003 8030.600.700-1M HV		HV	190	19.1	1160	17.4	160	19.1	1110	19.1	880	21
FALKO 1 RGBW003 8030.600.700-1M HYB		HYB	110	19.1	680	17.4	100	19.1	660	19.1	520	21

*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.
Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.
The characteristics of the product listed above are subjected to change without notice.

FALKO 1 RGBW003 – Ta50

LUMINAIRE	OPTIC	ACCESSORY	RED		GREEN		BLUE		WHITE (8030)		FULL COLOR	
			FLUX* (lm)	POWER* (W)*	FLUX* (lm)	POWER* (W)*	FLUX* (lm)	POWER* (W)*	FLUX* (lm)	POWER* (W)*	FLUX* (lm)	POWER* (W)*
FALKO 1 RGBW003 8030.600.650-1M	EL-70-30		200	19.1	1260	17.4	180	19.1	1220	19.1	920	19.5
FALKO 1 RGBW003 8030.600.650-1M FV		FV	120	19.1	780	17.4	110	19.1	760	19.1	570	19.5
FALKO 1 RGBW003 8030.600.650-1M HYB		HYB	90	19.1	580	17.4	80	19.1	560	19.1	420	19.5
FALKO 1 RGBW003 8030.600.650-1M	EL-30-70		200	19.1	1260	17.4	180	19.1	1220	19.1	920	19.5
FALKO 1 RGBW003 8030.600.650-1M FV		FV	120	19.1	780	17.4	110	19.1	760	19.1	570	19.5
FALKO 1 RGBW003 8030.600.650-1M HV		HV	160	19.1	1020	17.4	150	19.1	990	19.1	750	19.5
FALKO 1 RGBW003 8030.600.650-1M HYB		HYB	90	19.1	580	17.4	80	19.1	560	19.1	420	19.5
FALKO 1 RGBW003 8030.600.650-1M	SP-S20		220	19.1	1370	17.4	190	19.1	1330	19.1	1000	19.5
FALKO 1 RGBW003 8030.600.650-1M FV		FV	180	19.1	1110	17.4	150	19.1	1080	19.1	810	19.5
FALKO 1 RGBW003 8030.600.650-1M HV		HV	200	19.1	1220	17.4	170	19.1	1180	19.1	890	19.5
FALKO 1 RGBW003 8030.600.650-1M HYB		HYB	140	19.1	880	17.4	120	19.1	850	19.1	640	19.5
FALKO 1 RGBW003 8030.600.650-1M	SP-M25		220	19.1	1390	17.4	200	19.1	1350	19.1	1010	19.5
FALKO 1 RGBW003 8030.600.650-1M FV		FV	170	19.1	1060	17.4	150	19.1	1030	19.1	770	19.5
FALKO 1 RGBW003 8030.600.650-1M HV		HV	190	19.1	1200	17.4	170	19.1	1160	19.1	870	19.5
FALKO 1 RGBW003 8030.600.650-1M HYB		HYB	130	19.1	790	17.4	110	19.1	770	19.1	580	19.5
FALKO 1 RGBW003 8030.600.650-1M	SP-W40		230	19.1	1410	17.4	200	19.1	1370	19.1	1020	19.5
FALKO 1 RGBW003 8030.600.650-1M FV		FV	170	19.1	1060	17.4	150	19.1	1030	19.1	770	19.5
FALKO 1 RGBW003 8030.600.650-1M HV		HV	200	19.1	1230	17.4	170	19.1	1190	19.1	890	19.5
FALKO 1 RGBW003 8030.600.650-1M HYB		HYB	130	19.1	800	17.4	110	19.1	780	19.1	580	19.5
FALKO 1 RGBW003 8030.600.650-1M	SP-WW60		220	19.1	1360	17.4	190	19.1	1310	19.1	980	19.5
FALKO 1 RGBW003 8030.600.650-1M FV		FV	150	19.1	910	17.4	130	19.1	880	19.1	660	19.5
FALKO 1 RGBW003 8030.600.650-1M HV		HV	190	19.1	1160	17.4	160	19.1	1110	19.1	830	19.5
FALKO 1 RGBW003 8030.600.650-1M HYB		HYB	110	19.1	680	17.4	100	19.1	660	19.1	490	19.5

*RATED LUMINAIRE FLUX / RATED LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.
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