

FALKO

FALKO 2 RGBW

MAIN CHARACTERISTICS

Applications	Urban and architectural lighting.
Optic	SP-S20: Symmetrical optic narrow-beam. SP-M25: Symmetrical optic medium-beam. SP-W40: Symmetrical optic wide-beam. SP-WW60: Symmetrical optic very wide-beam. EL-70-30: Elliptical optics vertical elliptical-beam. EL-30-70: Elliptical optics horizontal elliptical-beam. Colour temperature: RGB + 3000K I CRI ≥80
Insulation class	II, I
Protection degree	IP66/IP67 I IK09
Dimensions	See Drawing
Weight	max 7.5 kg
Exposed surface	Side: 0.032m ² – Top: 0.042m ² SCx:0.04m 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



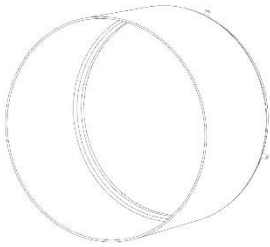
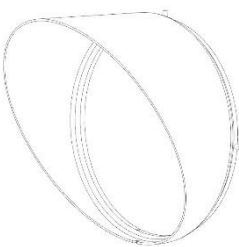
ELECTRICAL CHARACTERISTICS

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

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 cable 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

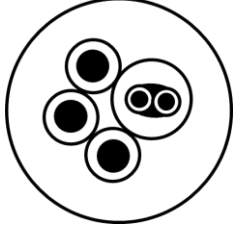
Note: See the accessories tab for more information

MOUNTING ACCESSORIES (OPTIONAL)

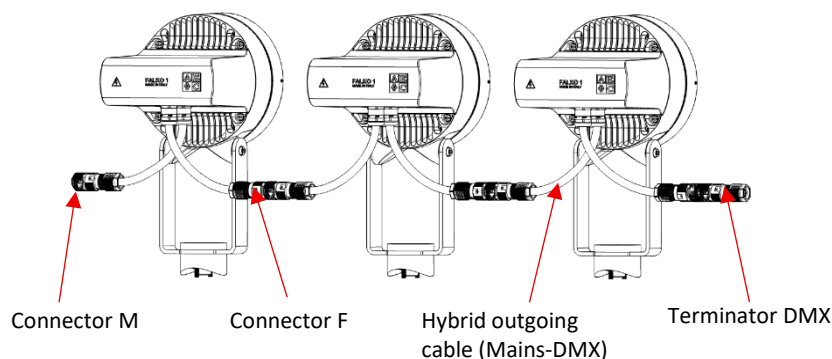
Metal stake
 Fundraiser Kit
 Band for fixing on shafts
 Aiming sight holder
 Bombsight

Note: See the accessories tab for more information

Detail Integrated cable

ELECTRICAL CHARACTERISTICS		IMAGE
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	

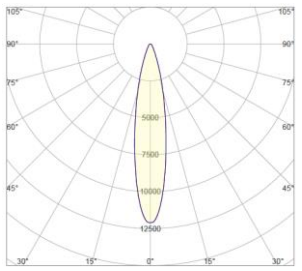
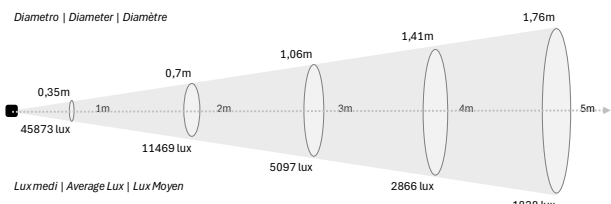
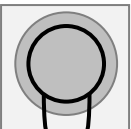
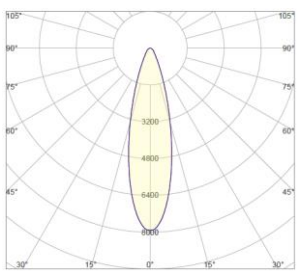
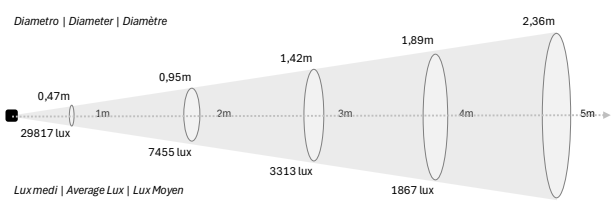
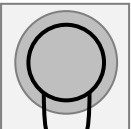
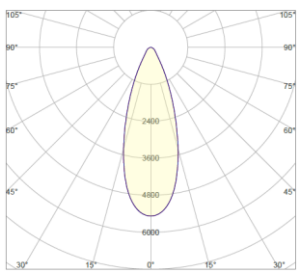
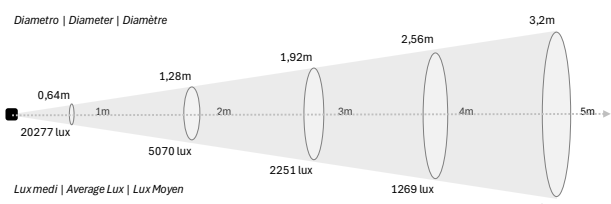
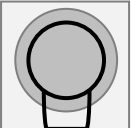
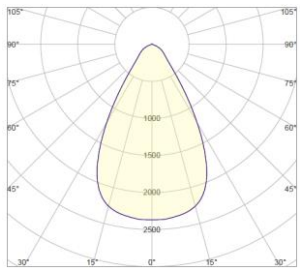
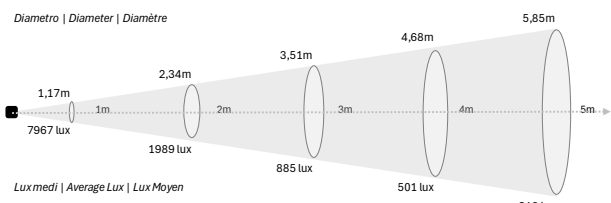
Type electrical connection



PHOTOMETRIC DATA

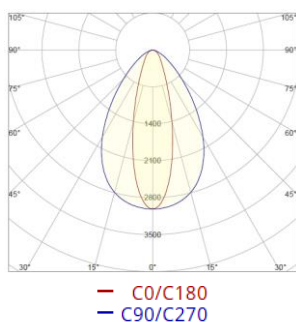
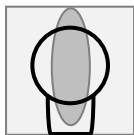
Ta 35°C

SPOT OPTICS

SP-S20 	 — C0/C180 — C90/C270	<i>Diametro Diameter Diamètre</i>  <i>Lux medi Average Lux Lux Moyen</i> BIANCO WHITE BLANC (3000K) 2660 lm
SP-M25 	 — C0/C180 — C90/C270	<i>Diametro Diameter Diamètre</i>  <i>Lux medi Average Lux Lux Moyen</i> BIANCO WHITE BLANC (3000K) 2700 lm
SP-W40 	 — C0/C180 — C90/C270	<i>Diametro Diameter Diamètre</i>  <i>Lux medi Average Lux Lux Moyen</i> BIANCO WHITE BLANC (3000K) 2730 lm
SP-WW60 	 — C0/C180 — C90/C270	<i>Diametro Diameter Diamètre</i>  <i>Lux medi Average Lux Lux Moyen</i> BIANCO WHITE BLANC (3000K) 2620 lm

ELLIPTICAL OPTICS

EL-70-30



Diametro | Diameter | Diamètre

C0: 0,51m

C90: 1,39m

10187 lux

C0: 1,02m

C90: 2,78m

2550 lux

C0: 1,53m

C90: 4,18m

1135 lux

C0: 2,04m

C90: 5,57m

635 lux

C0: 2,55m

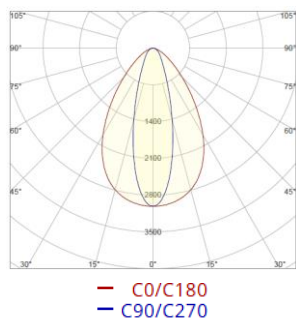
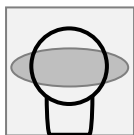
C90: 6,96m

409 lux

Lux medi | Average Lux | Lux Moyen

BIANCO | WHITE | BLANC (3000K) 2450 lm

EL-30-70



Diametro | Diameter | Diamètre

C0: 1,39m

C90: 0,51m

10187 lux

C0: 2,78m

C90: 1,02m

2550 lux

C0: 4,18m

C90: 1,53m

1135 lux

C0: 5,57m

C90: 2,04m

635 lux

C0: 6,96m

C90: 2,55m

409 lux

Lux medi | Average Lux | Lux Moyen

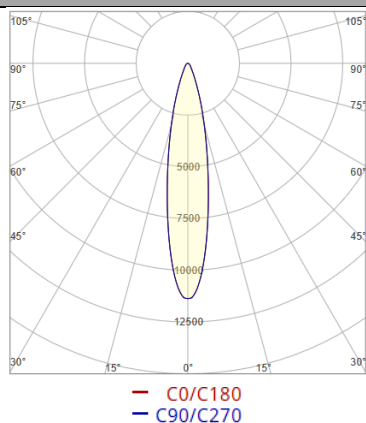
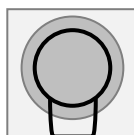
BIANCO | WHITE | BLANC (3000K) 2450 lm

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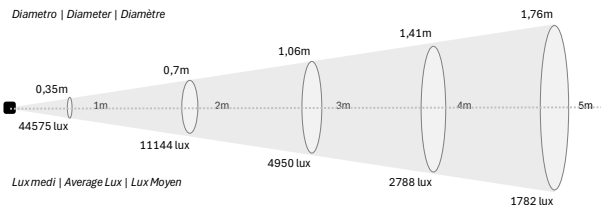
Ta 50°C

SPOT OPTICS

SP-S20

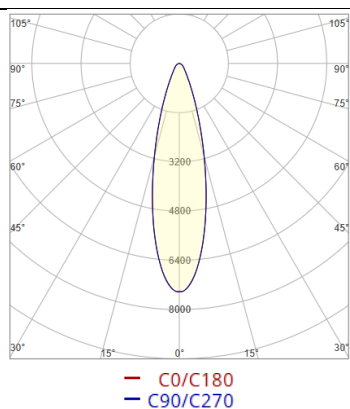
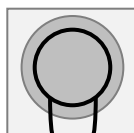


Diametro | Diameter | Diamètre

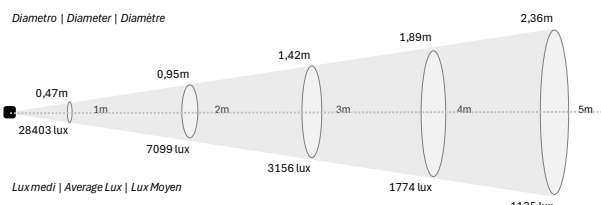


BIANCO | WHITE | BLANC (3000K) 2500 lm

SP-M25

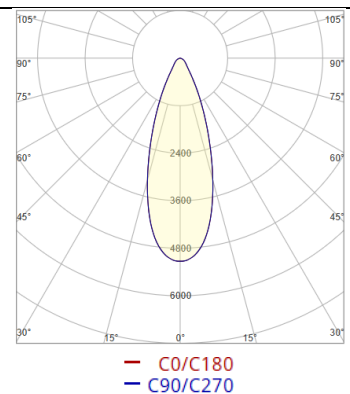
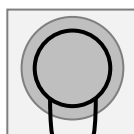


Diametro | Diameter | Diamètre

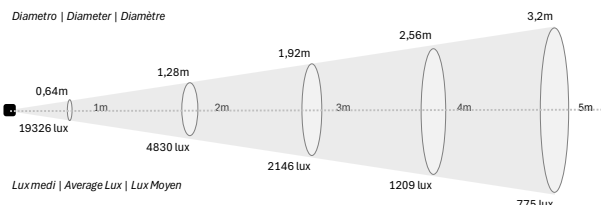


BIANCO | WHITE | BLANC (3000K) 2530 lm

SP-W40

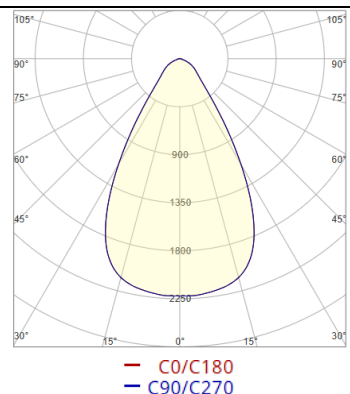
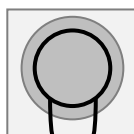


Diametro | Diameter | Diamètre

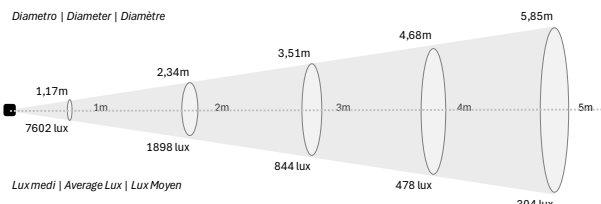


BIANCO | WHITE | BLANC (3000K) 2560 lm

SP-WW60



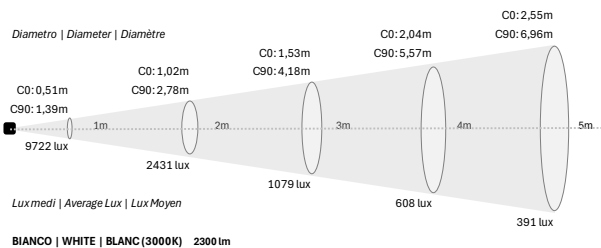
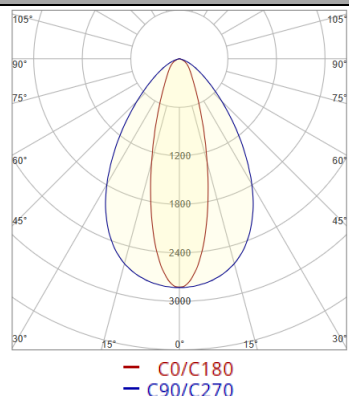
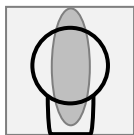
Diametro | Diameter | Diamètre



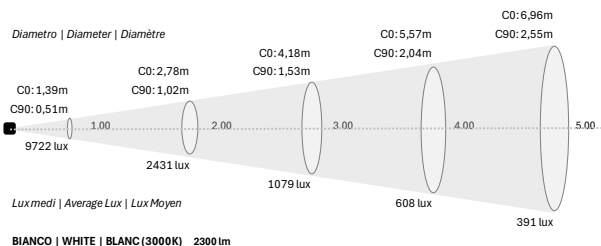
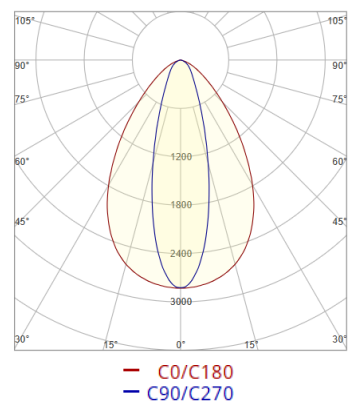
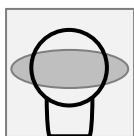
BIANCO | WHITE | BLANC (3000K) 2460 lm

ELLIPTICAL OPTICS

EL-70-30



EL-30-70



DMX INTERFACE

DMX INTERFACE CONFIGURATION

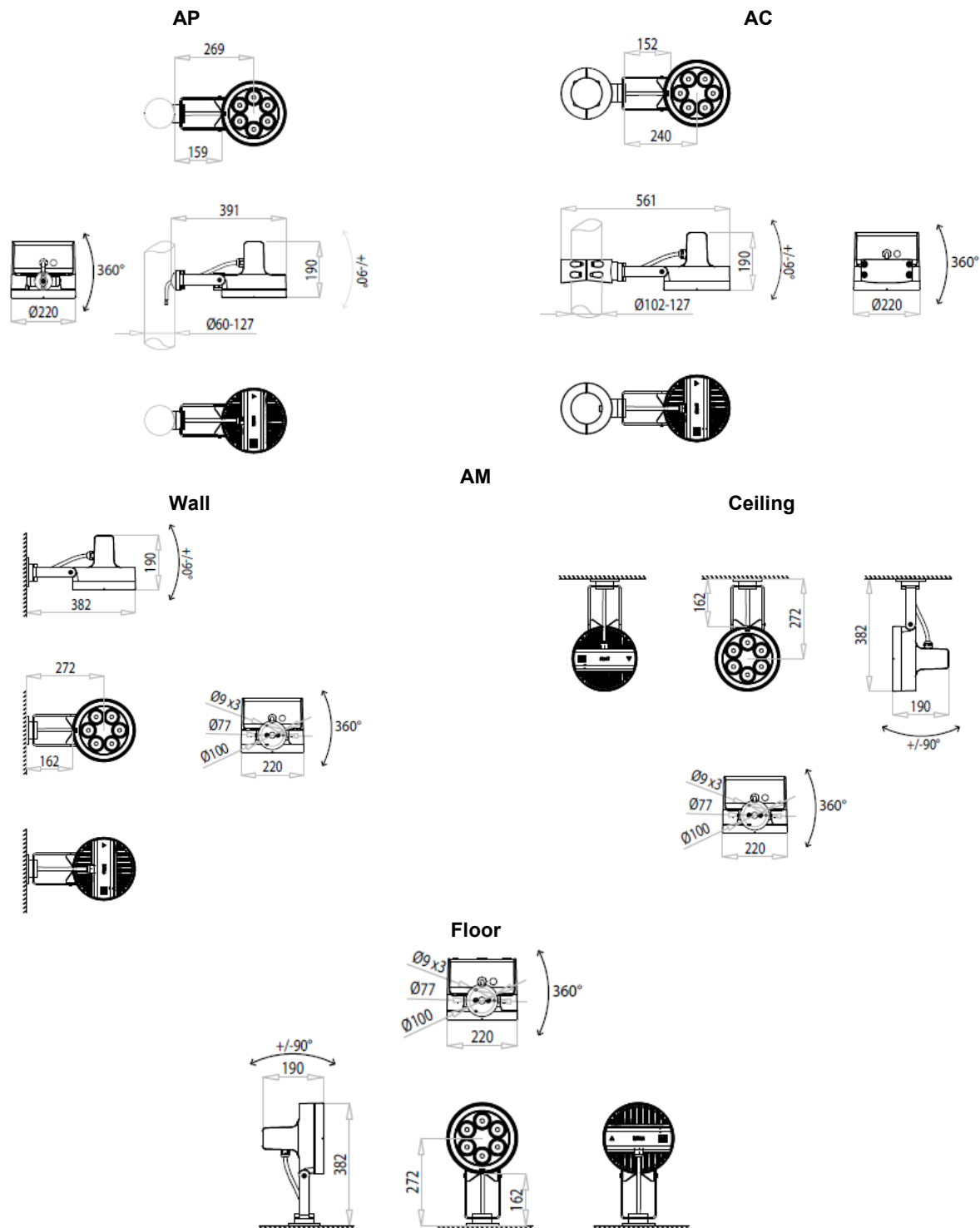
Product Version	ADDRESSES n°	ADDRESSES (Pre-configured)			
		1	2	3	4
RGBW	4	Red	Green	Blue	White

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



Standard Colour

Grafite 01
Graphite 01

Optional Colours



RAL 6011 Toscana RAL 6020 Ottawa RAL 7034 Hamptons RAL 7022 Davos RAL 7032 Jura



RAL 7003 Island RAL 1001 Oman RAL 9010 Fiji CORTEN Siena

FALKO 2 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 2 RGBW003 8030.1200.1300-2M	EL-70-30		400	40.7	2530	37.3	360	40.7	2450	40.7	1810	41.5
FALKO 2 RGBW003 8030.1200.1300-2M FV		FV	250	40.7	1570	37.3	220	40.7	1520	40.7	1120	41.5
FALKO 2 RGBW003 8030.1200.1300-2M HYB		HYB	180	40.7	1160	37.3	170	40.7	1130	40.7	830	41.5
FALKO 2 RGBW003 8030.1200.1300-2M	EL-30-70		400	40.7	2530	37.3	360	40.7	2450	40.7	1810	41.5
FALKO 2 RGBW003 8030.1200.1300-2M FV		FV	250	40.7	1570	37.3	220	40.7	1520	40.7	1120	41.5
FALKO 2 RGBW003 8030.1200.1300-2M HV		HV	320	40.7	2050	37.3	290	40.7	1980	40.7	1470	41.5
FALKO 2 RGBW003 8030.1200.1300-2M HYB	SP-S20	HYB	180	40.7	1160	37.3	170	40.7	1130	40.7	830	41.5
FALKO 2 RGBW003 8030.1200.1300-2M			440	40.7	2750	37.3	390	40.7	2660	40.7	1970	41.5
FALKO 2 RGBW003 8030.1200.1300-2M FV		FV	360	40.7	2230	37.3	320	40.7	2150	40.7	1600	41.5
FALKO 2 RGBW003 8030.1200.1300-2M HV	SP-M25	HV	390	40.7	2450	37.3	350	40.7	2370	40.7	1750	41.5
FALKO 2 RGBW003 8030.1200.1300-2M HYB		HYB	280	40.7	1760	37.3	250	40.7	1700	40.7	1260	41.5
FALKO 2 RGBW003 8030.1200.1300-2M			440	40.7	2790	37.3	390	40.7	2700	40.7	1990	41.5
FALKO 2 RGBW003 8030.1200.1300-2M FV	SP-W40	FV	330	40.7	2120	37.3	300	40.7	2050	40.7	1510	41.5
FALKO 2 RGBW003 8030.1200.1300-2M HV		HV	380	40.7	2400	37.3	340	40.7	2320	40.7	1710	41.5
FALKO 2 RGBW003 8030.1200.1300-2M HYB		HYB	250	40.7	1590	37.3	220	40.7	1540	40.7	1130	41.5
FALKO 2 RGBW003 8030.1200.1300-2M	SP-WW60		450	40.7	2830	37.3	400	40.7	2730	40.7	2020	41.5
FALKO 2 RGBW003 8030.1200.1300-2M FV		FV	340	40.7	2120	37.3	300	40.7	2050	40.7	1520	41.5
FALKO 2 RGBW003 8030.1200.1300-2M HV		HV	390	40.7	2460	37.3	350	40.7	2380	40.7	1760	41.5
FALKO 2 RGBW003 8030.1200.1300-2M HYB	SP-WW60	HYB	260	40.7	1610	37.3	230	40.7	1560	40.7	1150	41.5
FALKO 2 RGBW003 8030.1200.1300-2M			430	40.7	2720	37.3	380	40.7	2620	40.7	1940	41.5
FALKO 2 RGBW003 8030.1200.1300-2M FV		FV	290	40.7	1820	37.3	250	40.7	1760	40.7	1300	41.5
FALKO 2 RGBW003 8030.1200.1300-2M HV	SP-WW60	HV	370	40.7	2310	37.3	320	40.7	2230	40.7	1650	41.5
FALKO 2 RGBW003 8030.1200.1300-2M HYB		HYB	220	40.7	1360	37.3	190	40.7	1310	40.7	970	41.5

*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 2 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 2 RGBW003 8030.1000.1000-2M	EL-70-30		370	34.5	2390	31.4	310	34.5	2300	34.5	1470	34.5
FALKO 2 RGBW003 8030.1000.1000-2M FV		FV	230	34.5	1480	31.4	190	34.5	1430	34.5	910	34.5
FALKO 2 RGBW003 8030.1000.1000-2M HYB		HYB	170	34.5	1100	31.4	140	34.5	1060	34.5	680	34.5
FALKO 2 RGBW003 8030.1000.1000-2M	EL-30-70		370	34.5	2390	31.4	310	34.5	2300	34.5	1470	34.5
FALKO 2 RGBW003 8030.1000.1000-2M FV		FV	230	34.5	1480	31.4	190	34.5	1430	34.5	910	34.5
FALKO 2 RGBW003 8030.1000.1000-2M HV		HV	300	34.5	1940	31.4	250	34.5	1860	34.5	1190	34.5
FALKO 2 RGBW003 8030.1000.1000-2M HYB	SP-S20	HYB	170	34.5	1100	31.4	140	34.5	1060	34.5	680	34.5
FALKO 2 RGBW003 8030.1000.1000-2M			400	34.5	2600	31.4	340	34.5	2500	34.5	1600	34.5
FALKO 2 RGBW003 8030.1000.1000-2M FV		FV	320	34.5	2110	31.4	280	34.5	2030	34.5	1300	34.5
FALKO 2 RGBW003 8030.1000.1000-2M HV	SP-M25	HV	360	34.5	2310	31.4	300	34.5	2230	34.5	1420	34.5
FALKO 2 RGBW003 8030.1000.1000-2M HYB		HYB	260	34.5	1660	31.4	220	34.5	1600	34.5	1020	34.5
FALKO 2 RGBW003 8030.1000.1000-2M			410	34.5	2640	31.4	340	34.5	2530	34.5	1620	34.5
FALKO 2 RGBW003 8030.1000.1000-2M FV	SP-W40	FV	310	34.5	2010	31.4	260	34.5	1920	34.5	1230	34.5
FALKO 2 RGBW003 8030.1000.1000-2M HV		HV	350	34.5	2270	31.4	290	34.5	2180	34.5	1390	34.5
FALKO 2 RGBW003 8030.1000.1000-2M HYB		HYB	230	34.5	1500	31.4	190	34.5	1440	34.5	920	34.5
FALKO 2 RGBW003 8030.1000.1000-2M	SP-WW60		410	34.5	2670	31.4	350	34.5	2560	34.5	1640	34.5
FALKO 2 RGBW003 8030.1000.1000-2M FV		FV	310	34.5	2000	31.4	260	34.5	1920	34.5	1230	34.5
FALKO 2 RGBW003 8030.1000.1000-2M HV		HV	360	34.5	2320	31.4	300	34.5	2230	34.5	1430	34.5
FALKO 2 RGBW003 8030.1000.1000-2M HYB	SP-WW60	HYB	230	34.5	1520	31.4	200	34.5	1460	34.5	930	34.5
FALKO 2 RGBW003 8030.1000.1000-2M			400	34.5	2570	31.4	330	34.5	2460	34.5	1580	34.5
FALKO 2 RGBW003 8030.1000.1000-2M FV		FV	270	34.5	1720	31.4	220	34.5	1650	34.5	1060	34.5
FALKO 2 RGBW003 8030.1000.1000-2M HV	SP-WW60	HV	340	34.5	2180	31.4	280	34.5	2090	34.5	1340	34.5
FALKO 2 RGBW003 8030.1000.1000-2M HYB		HYB	200	34.5	1290	31.4	170	34.5	1230	34.5	790	34.5

*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.