

Vesper L (1 spot to 1 driver)

Fixed

SPECIFICATIONS

Beam angle	50° (wider beam angle on request for non <UGR19 applications)
Fixture material	Housing aluminium / front cover: ABS / lens: Polycarbonate
CCT	3000K / 4000K / 2700-6500K*
CRI	93
IK rate	IK03
IP rate	IP20
Operating temperature	-20°C / +45°C
Safety marks	EN60598 / EN62031 / EN62471
Colour consistency	MacAdam Step 3
Warranty	7 years
Safety Class	III
Energy Class	Vesper L 550 and L 1090 contain a light source of energy class F (3000K/4000K/2700-6500K). The energy class of the light source of Vesper L 190 is to be determined.

This luminaire contains built-in LED lamps. There are no exchangeable parts inside the luminaire. EU 874/2012. * *2700-6500K is standard for L 550 & L 1090. For L 190 on request.

MADE IN HOLLAND

7 YEAR WARRANTY

ECO

LED

LED

IP20

VESPER L 190 (1 SPOT TO 1 DRIVER)

max 500mA



ITEM SPECIFICATIONS

Description	Item code	Input	Vf	W	Lm	Lm/W	CRI (typ.)	Pf	Ripple	Inrush current	B-16A Fuse	Safety class	Energy class
Vesper L 190 24V L4CS max 1100Lm 3000K 50°	V30G03BL9SE2	Max 500mA	22,0	11,0	1100	100	93	x	x	x	x	III	
Vesper L 190 24V L4CS max 1150Lm 4000K 50°	V30H03BL9SE2	Max 500mA	22,0	11,0	1150	105	93	x	x	x	x	III	

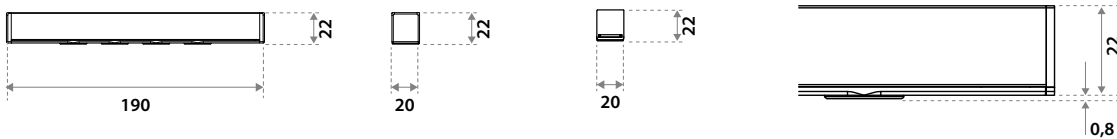
Description	Weight	Dimensions carton	Quantity per carton	Expected Lifetime			Reported Lifetime*		
				L70B10	L80B10	L90B10	L70B10	L80B10	L90B10
Vesper L 190 L4CS	85 gr**			177.000 hrs	113.000 hrs	51.000 hrs	>102.000 hrs	>102.000 hrs	51.000 hrs

All values are measured at 230V (+/- 7%). *Based on 17.000hrs of LM80 testing at 700mA and a Tc85 °C. ** Weight is measured without mounting options.

CHOOSE YOUR LV LUMEN OUTPUT

Vesper L 190	mA	1 spot		Lumen Output		Lumen / Watt		UGR		Advised PSU	
		Vf	W	3000K	4000K	3000K	4000K	3000K	4000K	No dim	Dali
Special request	350	21,7	7,6	800	825	105	109	18.3	18.4	CC36W150-900	CC36W150-900
Special request	400	21,8	8,7	900	925	103	106	18.5	18.6	CC36W150-900	CC36W150-900
Special request	450	21,9	9,9	1000	1050	101	107	18.7	18.9	CC36W150-900	CC36W150-900
Standard	500	22,0	11,0	1100	1150	100	105	19.0	19.2	CC36W150-900	CC36W150-900

DIMENSIONS



VESPER L 550 (1 SPOT TO 1 DRIVER)

max 700mA



ITEM SPECIFICATIONS

Description	Item code	Input	Vf	W	Lm	Lm/W	CRI (typ.)	Pf	Ripple	Inrush current	B-16A Fuse	Safety class	Energy class
Vesper L 550 L4CS max 2700Lm 3000K 50°	V10D03BL9SE2	max 700mA	37,2	26,0	2700	104	CRI93	x	x	x	x	III	F
Vesper L 550 L4CS max 2800Lm 4000K 50°	V10E03BL9SE2	max 700mA	37,2	26,0	2800	108	CRI93	x	x	x	x	III	F
Vesper L 550 L4CS max 2800Lm 2700-6500K 50°	V10F03BL9SE2	max 700mA	37,2	26,0	2800	108	CRI93	x	x	x	x	III	F

Description	Weight	Dimensions carton	Quantity per carton	Expected Lifetime			Reported Lifetime*		
				L70B10	L80B10	L90B10	L70B10	L80B10	L90B10
Vesper L 550 L4CS	230 gr**	1255x335x215 mm	48 pcs	177.000 hrs	113.000 hrs	51.000 hrs	>102.000 hrs	>102.000 hrs	51.000 hrs

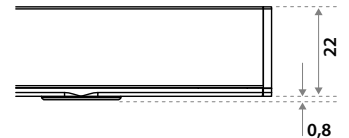
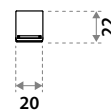
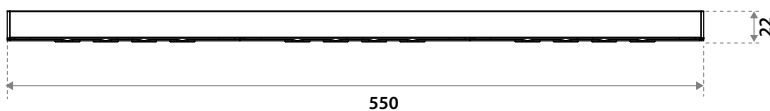
All values are measured at 230V (+/- 7%). *Based on 17.000hrs of LM80 testing at 700mA and a Tc85 °C. ** Weight is measured without mounting options.

CHOOSE YOUR LV LUMEN OUTPUT

Vesper L 550	mA	1 spot		Lumen Output			Lumen / Watt			UGR		
		Vf	W	3000K	4000K	2700-6500K	3000K	4000K	2700-6500K	3000K	4000K	2700-6500K
Special request	550	35,8	19,7	2150	2250	2250	109	114	114	17,3	17,5	17,5
Special request	600	36,4	21,8	2350	2450	2450	108	112	112	17,6	17,8	17,8
Special request	650	37,0	24,1	2525	2625	2625	105	109	109	17,9	18,0	18,0
Standard	700	37,2	26,0	2700	2800	2800	104	108	108	18,1	18,2	18,2

	mA	Advised PSU			
		No dim	Dali	DT8 (tuneable)	
Special request	550	CC30W350-700	CC36W150-900	Dualdrive 562/A	CC44W300-1050
Special request	600	CC30W350-700	CC36W150-900	Dualdrive 562/A	CC44W300-1050
Special request	650	CC30W350-700	CC36W150-900	Dualdrive 562/A	CC44W300-1050
Standard	700	CC30W350-700	CC36W150-900	Dualdrive 562/A	CC44W300-1050

DIMENSIONS



VESPER L 1090 (1 SPOT TO 1 DRIVER)

max 1400mA



ITEM SPECIFICATIONS

Description	Item code	Input	Vf	W	Lm	Lm/W	CRI (typ.)	Pf	Ripple	Inrush current	B-16A Fuse	Safety class	Energy class
Vesper L 1090 L4CS max 5400Lm 3000K 50°	V20D03BL9SE2	max 1400mA	37,2	52,1	5400	104	CRI93	x	x	x	x	III	F
Vesper L 1090 L4CS max 5600Lm 4000K 50°	V20E03BL9SE2	max 1400mA	37,2	52,1	5600	108	CRI93	x	x	x	x	III	F
Vesper L 1090 L4CS max 5600Lm 2700-6500K 50°	V20F03BL9SE2	max 1400mA	37,2	52,1	5600	108	CRI93	x	x	x	x	III	F

Description	Weight	Dimensions carton	Quantity per carton	Expected Lifetime			Reported Lifetime*		
				L70B10	L80B10	L90B10	L70B10	L80B10	L90B10
Vesper L 1090 L4CS	460 gr**	1255x335x215 mm	24 pcs	177.000 hrs	113.000 hrs	51.000 hrs	>102.000 hrs	>102.000 hrs	51.000 hrs

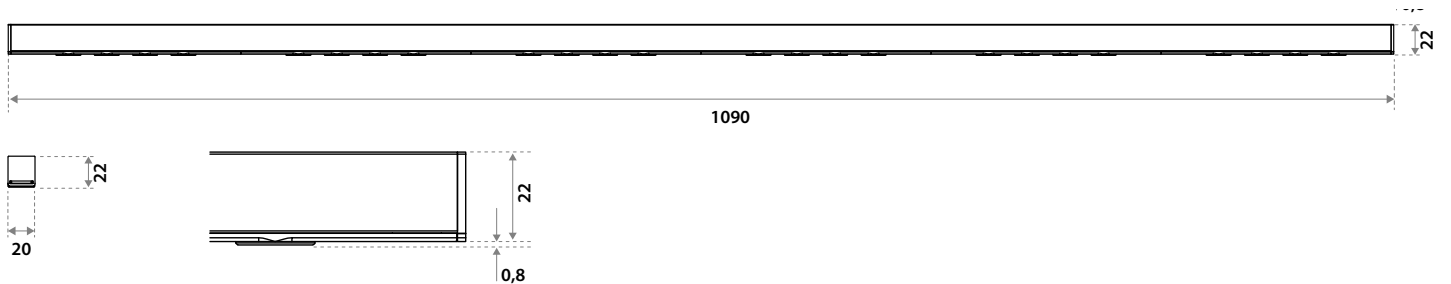
All values are measured at 230V (+/- 7%). *Based on 17.000hrs of LM80 testing at 700mA and a Tc85 °C. ** Weight is measured without mounting options.

CHOOSE YOUR LV LUMEN OUTPUT

Vesper L 1090	mA	1 spot		Lumen Output			Lumen / Watt			UGR		
		Vf	W	3000K	4000K	2700-6500K	3000K	4000K	2700-6500K	3000K	4000K	2700-6500K
Standard	700	34,9	24,4	2700	2800	2800	111	115	115	15,7	15,8	15,8
Standard	850	35,2	29,9	3200	3350	3350	107	112	112	16,3	16,4	16,4
Standard	1050	35,9	37,7	3975	4125	4125	105	109	109	17,0	17,2	17,2
Standard	1400	37,2	52,1	5400	5600	5600	104	108	108	18,1	18,2	18,2

	mA	Advised PSU			
		No dim	Dali	DT8 (tuneable)	
Standard	700	CC30W350-700	CC36W150-900	Dualdrive 562/A	CC44W300-1050
Standard	850	CC36W150-900	CC36W150-900	Dualdrive 562/A	CC44W300-1050
Standard	1050	CC44W300-1050	CC44W300-1050	Dualdrive 562/A	CC44W300-1050
Standard	1400	127568	126566	x	x

DIMENSIONS



PSU



PSU 30W No dim KGP CC30W350-700
97x44x23 mm
Exp. lifespan 100.000 hrs



PSU 36W Dali KGP CC36W150-900 NFC*
163x30x21 mm
Exp. lifespan 100.000 hrs



PSU 44W 2CH Dali DT8 KGP CC44W300-1050
97x43x30 mm
Exp. lifespan 100.000 hrs



PSU 50W 2CH Dali DT8 EldoLed Dualdrive 562/A
153x77x31 mm
Exp. lifespan 100.000 hrs



PSU 36W No dim KGP CC36W150-900 NFC*
163x30x21 mm
Exp. lifespan 100.000 hrs



PSU 44W No dim KGP CC44W300-1050
97x43x30 mm
Exp. lifespan 100.000 hrs



PSU 44W Dali KGP CC44W300-1050
97x43x30 mm
Exp. lifespan 100.000 hrs



PSU 78W No dim TCI 127568
359x30x21 mm
Exp. lifespan 100.000 hrs
Incl. wire grip



PSU 78W Dali TCI 126566
359x30x21 mm
Exp. lifespan 100.000 hrs
Incl. wire grip

Item specifications (PSU)

Driver types	Supplier name	Item code	Input	W	Max mA	Max Vf	Pf	Eff.	Inrush current	B-16A Fuse
PSU 36W 500mA No dim KGP	CC36W150-900	05PM03MLMA00	220-240V AC/DC	36W	150-900	50	>0.95	88%	8,5A 16μS	58 pcs
PSU 36W 500mA Dali KGP	CC36W150-900	05PP03MLMA00	220-240V AC/DC	36W	150-900	50	>0.95	88%	8,5A 16μS	58 pcs
PSU 30W 700mA No dim KGP	CC30W350-700	05QE03MLMA00	220-240V AC/DC	30W	350-700	45	0.95	87%	>21A 180μS	50 pcs
PSU 36W 700mA Dali KGP	CC36W150-900	05PJ03MLMA00	220-240V AC/DC	36W	150-900	40	>0.95	88%	8,5A 16μS	59 pcs
PSU 44W 700mA 2CH Dali DT8 KGP	CC44W300-1050	05P903MLMA00	220-240V AC/DC	44W	300-1050	45	>0.95	88%	<9.4A/16μS	53 pcs
PSU 50W 700mA 2CH Dali DT8 EldoLed	Dualdrive 562/A	05Q103MLMA00	220-240V AC/DC	50W	150-1050	55	>0.95	88%	<100mA's	80 pcs
PSU 36W 850mA No dim KGP	CC36W150-900	05P803MLMA00	220-240V AC/DC	36W	150-900	40	>0.95	88%	8,5A 16μS	59 pcs
PSU 36W 850mA Dali KGP	CC36W150-900	05Q203MLMA00	220-240V AC/DC	36W	150-900	40	>0.95	88%	8,5A 16μS	59 pcs
PSU 44W 850mA 2CH Dali DT8 KGP	CC44W300-1050	05Q403MLMA00	220-240V AC/DC	44W	300-1050	45	>0.95	88%	<9.4A/16μS	53 pcs
PSU 50W 850mA 2CH Dali DT8 EldoLed	Dualdrive 562/A	05Q503MLMA00	220-240V AC/DC	50W	150-1050	55	>0.95	88%	<100mA's	80 pcs
PSU 44W 1050mA No dim KGP	CC44W300-1050	05Q703MLMA00	220-240V AC/DC	44W	300-1050	45	>0.95	88%	<9.4A/16μS	53 pcs
PSU 44W 1050mA Dali KGP	CC44W300-1050	05Q603MLMA00	220-240V AC/DC	44W	300-1050	45	>0.95	88%	<9.4A/16μS	53 pcs
PSU 44W 1050mA 2CH Dali DT8 KGP	CC44W300-1050	05P503MLMA00	220-240V AC/DC	44W	300-1050	45	>0.95	88%	<9.4A/16μS	53 pcs
PSU 50W 1050mA 2CH Dali DT8 EldoLed	Dualdrive 562/A	05P603MLMA00	220-240V AC/DC	50W	150-1050	55	>0.95	88%	<100mA's	80 pcs
PSU 78W 1400 No dim TCI	127568	05L603MLMA00	220-240V AC/DC	78W	350-1400	56	0.95	>91%	10A200μS	30 pcs
PSU 78W 1400 Dali TCI	126566	05L803MLMA00	220-240V AC/DC	78W	350-1400	56	0.95	>91%	10A200μS	30 pcs

All values are measured at 230V (+/- 7%).

*NFC INSTRUCTION VIDEO

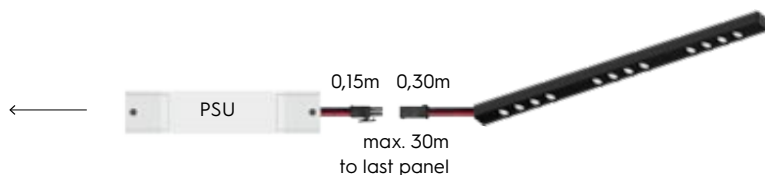


KGP CLO in development
TCI NFC & CLO in development

PLUG & PLAY CABLE SYSTEM 3/5P

(A)

GST18 Plug & Play Solutions
(Assembled to driver)



FEATURES

- Professional 16A Plug & Play system
- 3 or 5 wire system
- Widely spread in lighting market



(A1)



(A2)



(A3)



(A4)



(A5)



(A6)



(A7)



(A8)



(A9)

Item specifications (accessories)

Description	Class	Length	Item code
(A1) Euro plug incl. cable	II	2.0 m	015203BL1200
(A2) Schuko plug incl. cable	I	1.5 m	1C5203BLA000
(A3) UK plug incl. cable	II	2.0 m	0A5203BL1200
(A4) 3P GST18 male incl. cable 2x0.75mm²	II	0.3 m	455203BL0000
(A4) 3P GST18 male incl. cable 2x0.75mm²	II	3.0 m	455203BL1500
(A4) 3P GST18 male incl. cable 3x0.75mm²	I	0.3 m	4A5203BL0000
(A4) 3P GST18 male incl. cable 3x0.75mm²	I	3.0 m	4A5203BL1500
(A5) 5P GST18 male 1-10V/Dali incl. cable 4x0.75mm²	II	0.3 m	655203BL0000
(A5) 5P GST18 male 1-10V/Dali incl. cable 4x0.75mm²	II	3.0 m	655203BL1500

Description	Class	Length	Item code
(A5) 5P GST18 male 1-10V/Dali incl. cable 5x0.75mm²	I	0.3 m	6A5203BL0000
(A5) 5P GST18 male 1-10V/Dali incl. cable 5x0.75mm²	I	3.0 m	6A5203BL1500
(A6) BST14i male Dali incl. cable	III	0.5 m	095203BL0000
(A6) BST14i male Dali incl. cable	III	3.0 m	095203BL1500
(A7) 3P GST18 T-splitter male incl. cable	II	0.2 m	459203BL0000
(A7) 3P GST18 T-splitter male incl. cable	I	0.2 m	4A9203BL0000
(A8) 5P GST18 T-splitter male 1-10V/Dali	I / II	x	659203BU0000
(A9) BST14i T-splitter male 1-10V/Dali incl. cable	III	0.2 m	099203BL0000

DISTRIBUTOR SYSTEM 2P

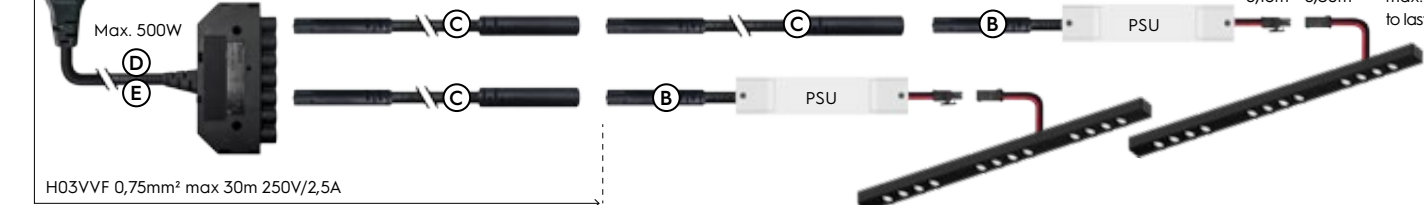


220-240V

Max. 500W

H03VVVF 0,75mm² max 30m 250V/2,5A

Max. 6 drivers



FEATURES

- Basic 2,5A Plug & Play system
- 2 wire system
- Not available for Dali

(B) 2P Plug



(C) 2P Extension cable



(D) 2P Distributor 6x + Europlug



(E) 2P Distributor 6x + GST18 3P

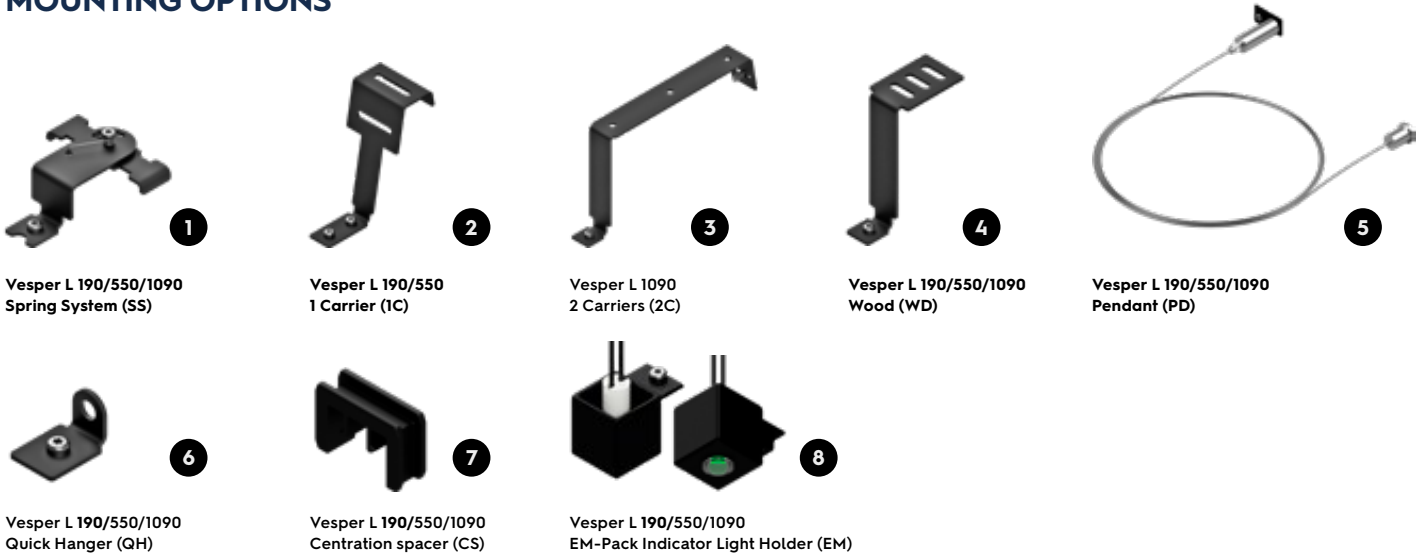


Item specifications (accessories)

Description	Specification	Class	Length	Item code
(B) 2P Plug 0,15m *	HV 0,15m male (0,75mm²)	II	0,15 m	6J5203BL1B02
(C) 2P Extension cable	HV Ø7,6mm 2m m/f (0,75mm²)	II	2.0 m	6F5203BL1202
(D) 2P Distributor 6x + Europlug	HV Ø7,6mm 6x + cable 3m 2,5A	II	3.0 m	665203BL2502
(E) 2P Distributor 6x + GST18 3P	HV Ø7,6mm 6x + cable 3m 2,5A	II	3.0 m	665203BL1502

*Assembled to driver, not for Dali drivers.

MOUNTING OPTIONS

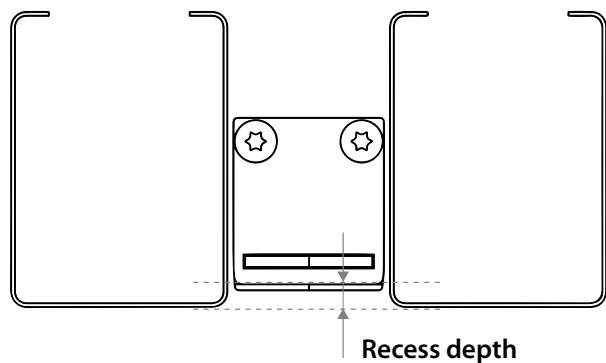


Item specifications

Description		Item code
1	Bracket with Spring System (SS-2pcs)	000V0300B100
2	Bracket for 1 Carrier (1C-1pc only for Vesper L 190 & 550)	000V0300B200
3	Bracket for 2 Carriers (2C-2pcs only for Vesper L 1090)	000V0300B300
4	Bracket for Wooden beam (WD-2pcs)	000V0300B400
5	Pendant set (PD-2pcs)	000V0300B500
6	Bracket for Quick Hanger (QH-2pcs)	000V0300B600
7	Centration spacer for 30mm panel distance (CS-2pcs)	000V0300B700
8	EM-Pack Indicator Light Holder (EM-1pc)	000V0300B800

Recess Depth

Recess Depth (RD in mm) for various ceiling types	Spring System (SS)	1 Carrier (1C)	2 Carrier (2C)	Wood (WD)	Quick Hanger (QH)	Pendant (PD)
HD Heartfelt® Linear (40HL55)	x	6	6	6	Adjustable	Adjustable
HD Heartfelt® Groove (60HG50)	x	2	2	2	Adjustable	Adjustable
HD BD30	5	x	x	x	Adjustable	Adjustable
Interalu SAPP	5	x	x	x	Adjustable	Adjustable
Ecophon U30	2	x	x	x	Adjustable	Adjustable



MOUNTING OPTIONS

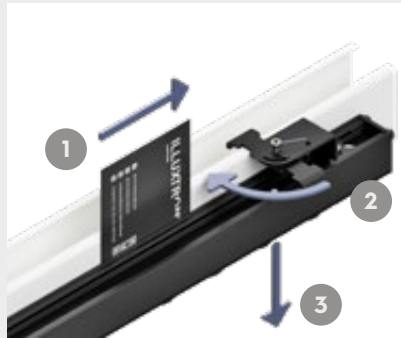
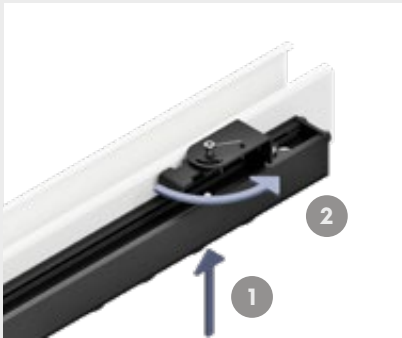
VESPER L 190/550/1090 SPRING SYSTEM (SS)

Ceilings

- Hunter Douglas 30BD
- Interlu SAPP
- Ecophon U30

Functions

- Sliding mounting brackets with folding spring mechanism.
- Centration spacers for ceilings with a panel gap of 30mm are available
- Easy (dis)assembly after installation of ceiling panels.
- Height cannot be adjusted (see table).



VESPER L 190/550 1 CARRIER (1C)

Ceilings

- Hunter Douglas
 - Heartfelt® Linear (40HL55)
 - Heartfelt® Groove (60HG50)

Functions

- A hook can be used to secure the fixture to a single carrier.
- Hook is secured by a screw.
- Height cannot be adjusted (see table).



MOUNTING OPTIONS

VESPER L 1090 2 CARRIERS (2C)

3

Ceilings

- Hunter Douglas
 - Heartfelt® Linear (40HL55)
 - Heartfelt® Groove (60HG50)

Functions

- Mounting by sliding brackets.
- The maximum carrier center distance is 1250mm.
- Brackets are secured by screws.
- Height cannot be adjusted (see table).



VESPER L 190/550/1090 WOOD (WD)

4

Ceilings

- Hunter Douglas
 - Heartfelt® Linear (40HL55)
 - Heartfelt® Groove (60HG50)

Functions

- Movable brackets for mounting on a wooden beam.
- Height cannot be adjusted (see table).



MOUNTING OPTIONS

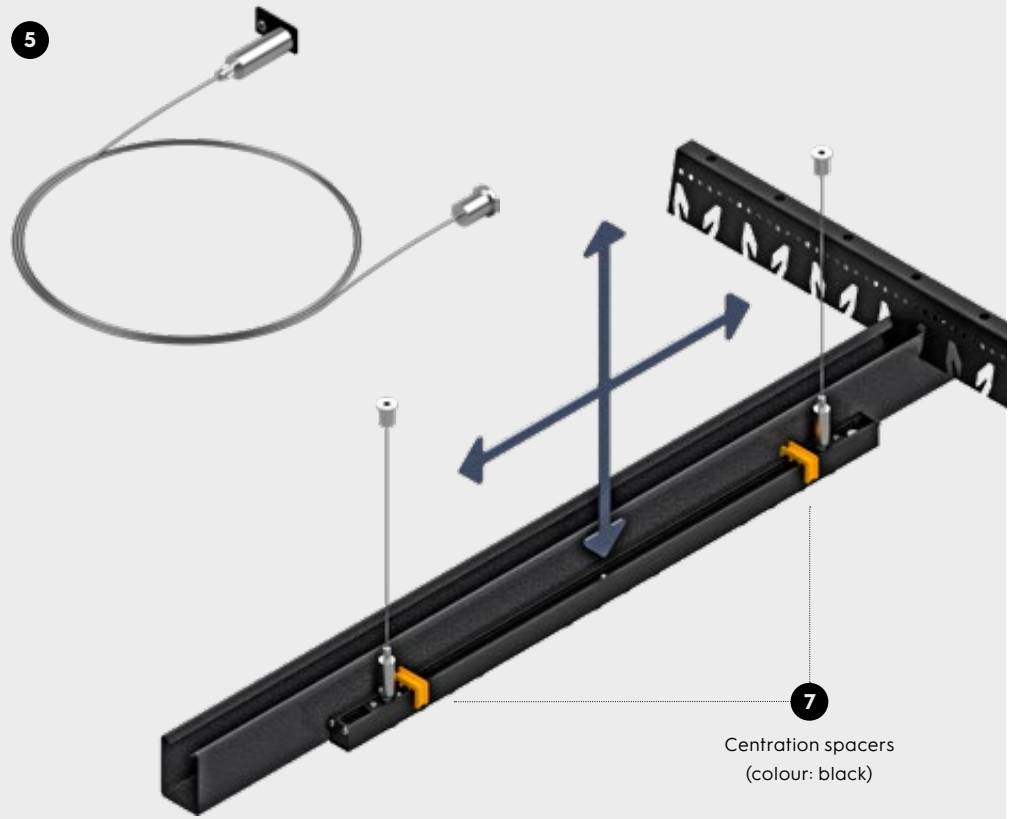
VESPER L 190/550/1090 PENDANT (PD)

Ceilings

- Hunter Douglas
 - Heartfelt® Linear (40HL55)
 - Heartfelt® Groove (60HG50)
 - 30B
- Interalu
 - SAPP
- Ecophon
 - U30

Functions

- Adjustable height of two metres.
- Sliding mounting points allow for flexibility in proximity to ceiling carriers and other structures.
- Weight of the fixture is not added to the ceiling structure.
- Centration spacers for ceilings with a panel gap of 30mm are available.



VESPER L 190/550/1090 QUICK HANGER* (QH)

Ceilings

- Hunter Douglas
 - Heartfelt® Linear (40HL55)
 - Heartfelt® Groove (60HG50)
 - 30B
- Interalu
 - SAPP
- Ecophon
 - U30

Functions

- Quick hangers provide height adjustment.
- Sliding mounting points allow for flexibility in proximity to ceiling carriers and other structures.
- Weight of fixture is not added to the ceiling structure.
- Centration spacers for ceilings with a panel gap of 30mm are available.

* Quick hangers not included. Suitable for quick hangers with a maximum bar diameter of 4mm.

