**Description**

IP66, Class I or Class II. IK08. Marine-grade die-cast aluminium alloy. 5CE superior corrosion protection + primer including PCS hardware. Silicone CCG® Controlled Compression Gasket. UV stabilised acrylic panel in RFC® technology. Integrated heat sinks. Easy removal and replacement of LED board. CAD optimised OLC® PMMA lens for superior illumination and glare control. DALI. The luminaire is factory-sealed and does not need to be opened during the installation.

PC Amber and 2200 K or as 'Wild-Light' 2200 K combined with 3000 K with Eco Step Dim® Advanced or Motion available on request, must be specified at time of ordering.

Max drive current:




PC Amber - 700 mA

2200 K - 1050 mA (CRI70 only)

Contact WE-EF direct or your local WE-EF sales representative for an individual solution designed to precisely meet your needs.

A professional lighting design in consultation with the relevant sections of AS/NZS-1158.4:2015 is essential for all applications with the [P45] lens.

Pole mounted**Specifications****Material description**

Body	Marine-grade, die-cast aluminium alloy
Lens	UV stabilised acrylic panel in RFC™ Reflection Free Contour technology
Colours	 RAL9004 Signal black  RAL9006 White aluminium  RAL9007 Grey aluminium
Gasket	Silicone CCG® Controlled Compression Gasket
Fasteners	PCS Polymer Coated Stainless Steel Hardware (unpainted)
Ingress protection	IP66
Impact resistance	IK08
Corrosion resistance	5CE+Primer
Windage	0.208 m ²

Electrical description

Power supply	230V / 50 Hz
Driver / Ballast	Integral EC electronic converter. DALI
Power factor	> 0.9
Surge protection	In-pole surge protection SP10 device supplied. Please refer to WE-EF installation instructions for details. Use suffix +A for Integral surge protection.

Additional information

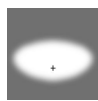
Lifetime	Ta=40° L90B10 > 90000h
Warranty	The product is supplied with 10-year warranty. Please refer to the LED Warranty Statement located on www.we-ef.com for further details.

VFL540-SE LED

Pole mounted

Options

Light distribution



asymmetric, side throw [S60]



asymmetric, side throw [S70]



asymmetric, forward throw [A60]



asymmetric, side throw [S65]



rectangular, side throw [R65]



pedestrian crossing, left-hand traffic [P45L]



pedestrian crossing, right-hand traffic [P45R]



pedestrian/bicycle lane [P65]

Colour temperature



3000 K



4000 K



2700 K

Nominal Watt

86 W

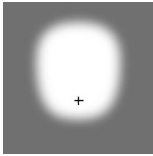
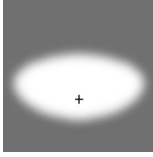
114 W

42 W

56 W

0 W

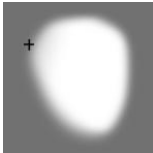
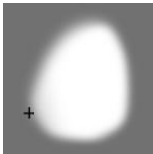
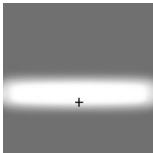
Configurations

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
asymmetric, forward throw [A60] 	108-1251	LED-36/72W / 700 mA - 3000 K	8317.1	79 W	80	8.20
	108-1252	LED-36/72W / 700 mA - 4000 K	8890.7	79 W	80	8.20
	108-1261	LED-48/96W / 700 mA - 3000 K	11089.5	105.5 W	80	8.20
	108-1262	LED-48/96W / 700 mA - 4000 K	11854.2	105.5 W	80	8.20
	108-1271	LED-36/36W / 350 mA - 3000 K	4667.5	39 W	80	8.20
	108-1272	LED-36/36W / 350 mA - 4000 K	5119.2	39 W	80	8.20
	108-1281	LED-48/48W / 350 mA - 3000 K	6223.3	52 W	80	8.20
	108-1282	LED-48/48W / 350 mA - 4000 K	6825.6	52 W	80	8.20
	108-2068	LED-36/108W / 1050 mA - 3000 K	13363.6	119 W	80	8.20
	108-2069	LED-36/108W / 1050 mA - 4000 K	13985.2	119 W	80	8.20
	108-2078	LED-48/144W / 1050 mA - 3000 K	17818.2	159 W	80	8.20
	108-2079	LED-48/144W / 1050 mA - 4000 K	18646.9	159 W	80	8.20
	108-2446	LED-36/36W / 350 mA - 2700 K	4366.4	39 W	80	8.20
	108-2447	LED-36/72W / 700 mA - 2700 K	7743.5	79 W	80	8.20
	108-2448	LED-36/108W / 1050 mA - 2700 K	12742.1	119 W	80	8.20
	108-2449	LED-48/48W / 350 mA - 2700 K	5821.8	52 W	80	8.20
	108-2450	LED-48/96W / 700 mA - 2700 K	10324.7	105.5 W	80	8.20
	108-2451	LED-48/144W / 1050 mA - 2700 K	16989.4	159 W	80	8.20
asymmetric, side throw [S60] 	108-1247	LED-36/72W / 700 mA - 3000 K	9293.7	79 W	80	8.20
	108-1247-70	LED-36/72W / 700 mA - 3000 K	10575.6	79 W	70	8.20
	108-1248	LED-36/72W / 700 mA - 4000 K	9934.7	79 W	80	8.20
	108-1257	LED-48/96W / 700 mA - 3000 K	12391.6	105.5 W	80	8.20
	108-1258	LED-48/96W / 700 mA - 4000 K	13246.2	105.5 W	80	8.20
	108-1267	LED-36/36W / 350 mA - 3000 K	5175.6	39 W	80	8.20
	108-1268	LED-36/36W / 350 mA - 4000 K	5676.4	39 W	80	8.20
	108-1277	LED-48/48W / 350 mA - 3000 K	6900.7	52 W	80	8.20
	108-1278	LED-48/48W / 350 mA - 4000 K	7568.6	52 W	80	8.20
	108-2072	LED-36/108W / 1050 mA - 3000 K	14542.9	119 W	80	8.20
	108-2073	LED-36/108W / 1050 mA - 4000 K	15219.4	119 W	80	8.20
	108-2082	LED-48/144W / 1050 mA - 3000 K	19390.6	159 W	80	8.20
	108-2083	LED-48/144W / 1050 mA - 4000 K	20292.5	159 W	80	8.20
	108-2422	LED-36/36W / 350 mA - 2700 K	4841.6	39 W	80	8.20
	108-2423	LED-36/72W / 700 mA - 2700 K	8652.8	79 W	80	8.20
	108-2424	LED-36/108W / 1050 mA - 2700 K	13866.5	119 W	80	8.20
	108-2425	LED-48/48W / 350 mA - 2700 K	6455.5	52 W	80	8.20

Pole mounted

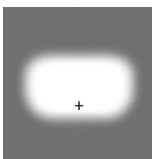
Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
	108-2426	LED-48/96W / 700 mA - 2700 K	11537	105.5 W	80	8.20
	108-2427	LED-48/144W / 1050 mA - 2700 K	18488.7	159 W	80	8.20
asymmetric, side throw [S65]	108-1253	LED-36/72W / 700 mA - 3000 K	9433.3	79 W	80	8.20
	108-1254	LED-36/72W / 700 mA - 4000 K	10083.9	79 W	80	8.20
	108-1263	LED-48/96W / 700 mA - 3000 K	12577.7	105.5 W	80	8.20
	108-1264	LED-48/96W / 700 mA - 4000 K	13445.2	105.5 W	80	8.20
	108-1273	LED-36/36W / 350 mA - 3000 K	5242.6	39 W	80	8.20
	108-1274	LED-36/36W / 350 mA - 4000 K	5749.9	39 W	80	8.20
	108-1283	LED-48/48W / 350 mA - 3000 K	6990.1	52 W	80	8.20
	108-1284	LED-48/48W / 350 mA - 4000 K	7666.6	52 W	80	8.20
	108-2074	LED-36/108W / 1050 mA - 3000 K	14707.6	119 W	80	8.20
	108-2075	LED-36/108W / 1050 mA - 4000 K	15391.6	119 W	80	8.20
	108-2084	LED-48/144W / 1050 mA - 3000 K	19610.1	159 W	80	8.20
	108-2085	LED-48/144W / 1050 mA - 4000 K	20522.2	159 W	80	8.20
	108-2428	LED-36/36W / 350 mA - 2700 K	4904.3	39 W	80	8.20
	108-2429	LED-36/72W / 700 mA - 2700 K	8782.7	79 W	80	8.20
	108-2430	LED-36/108W / 1050 mA - 2700 K	14023.5	119 W	80	8.20
	108-2431	LED-48/48W / 350 mA - 2700 K	6539.1	52 W	80	8.20
	108-2432	LED-48/96W / 700 mA - 2700 K	11710.3	105.5 W	80	8.20
	108-2433	LED-48/144W / 1050 mA - 2700 K	18698	159 W	80	8.20
asymmetric, side throw [S70]	108-1249	LED-36/72W / 700 mA - 3000 K	9266.9	79 W	80	8.20
	108-1250	LED-36/72W / 700 mA - 4000 K	9906	79 W	80	8.20
	108-1259	LED-48/96W / 700 mA - 3000 K	12355.9	105.5 W	80	8.20
	108-1260	LED-48/96W / 700 mA - 4000 K	13208	105.5 W	80	8.20
	108-1269	LED-36/36W / 350 mA - 3000 K	5163.3	39 W	80	8.20
	108-1270	LED-36/36W / 350 mA - 4000 K	5663	39 W	80	8.20
	108-1279	LED-48/48W / 350 mA - 3000 K	6884.4	52 W	80	8.20
	108-1280	LED-48/48W / 350 mA - 4000 K	7550.6	52 W	80	8.20
	108-2076	LED-36/108W / 1050 mA - 3000 K	14561.8	119 W	80	8.20
	108-2077	LED-36/108W / 1050 mA - 4000 K	15239.1	119 W	80	8.20
	108-2086	LED-48/144W / 1050 mA - 3000 K	19415.7	159 W	80	8.20
	108-2087	LED-48/144W / 1050 mA - 4000 K	20318.8	159 W	80	8.20
	108-2434	LED-36/36W / 350 mA - 2700 K	4830.2	39 W	80	8.20
	108-2435	LED-36/72W / 700 mA - 2700 K	8627.8	79 W	80	8.20
	108-2436	LED-36/108W / 1050 mA - 2700 K	13884.5	119 W	80	8.20
	108-2437	LED-48/48W / 350 mA - 2700 K	6440.3	52 W	80	8.20

Pole mounted

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)	
pedestrian crossing, left-hand traffic [P45L] 	108-2438	LED-48/96W / 700 mA - 2700 K	11503.7	105.5 W	80	8.20	
	108-2439	LED-48/144W / 1050 mA - 2700 K	18512.7	159 W	80	8.20	
	108-1991	LED-36/72W / 700 mA - 3000 K	9127.9	79 W	80	8.20	
	108-1992	LED-36/72W / 700 mA - 4000 K	9757.4	79 W	80	8.20	
	108-1995	LED-48/96W / 700 mA - 3000 K	12170.5	105.5 W	80	8.20	
	108-1996	LED-48/96W / 700 mA - 4000 K	13009.9	105.5 W	80	8.20	
	108-2530	LED-36/72W / 700 mA - 2700 K	8498.4	79 W	80	8.20	
	108-2531	LED-48/96W / 700 mA - 2700 K	11331.2	105.5 W	80	8.20	
	108-2877	LED-36/108W / 1050 mA - 2700 K	12440.6	119 W	80	8.20	
	108-2881	LED-48/144W / 1050 mA - 2700 K	16587.5	159 W	80	8.20	
	108-5170	LED-36/108W / 1050 mA - 3000 K	13047.5	119 W	80	8.20	
	108-5171	LED-36/108W / 1050 mA - 4000 K	13654.4	119 W	80	8.20	
	108-5174	LED-48/144W / 1050 mA - 3000 K	17396.7	159 W	80	8.20	
	108-5926	LED-48/144W / 1050 mA - 4000 K	18205.8	159 W	80	8.20	
pedestrian crossing, right-hand traffic [P45R] 	108-1993	LED-36/72W / 700 mA - 3000 K	9018.9	79 W	80	8.20	
	108-1994	LED-36/72W / 700 mA - 4000 K	9640.9	79 W	80	8.20	
	108-1997	LED-48/96W / 700 mA - 3000 K	12025.2	105.5 W	80	8.20	
	108-1998	LED-48/96W / 700 mA - 4000 K	12854.5	105.5 W	80	8.20	
	108-2452	LED-36/72W / 700 mA - 2700 K	8396.9	79 W	80	8.20	
	108-2453	LED-48/96W / 700 mA - 2700 K	11195.8	105.5 W	80	8.20	
	108-2878	LED-36/108W / 1050 mA - 2700 K	12493.8	119 W	80	8.20	
	108-2882	LED-48/144W / 1050 mA - 2700 K	16658.4	159 W	80	8.20	
	108-5172	LED-36/108W / 1050 mA - 3000 K	13103.3	119 W	80	8.20	
	108-5173	LED-36/108W / 1050 mA - 4000 K	13712.7	119 W	80	8.20	
	108-5175	LED-48/144W / 1050 mA - 3000 K	17471	159 W	80	8.20	
	108-5546	LED-48/144W / 1050 mA - 4000 K	18283.6	159 W	80	8.20	
	pedestrian/bicycle lane [P65] 	108-2128	LED-36/108W / 1050 mA - 3000 K	14412.4	119 W	80	8.20
		108-2128-70	LED-36/108W / 1050 mA - 3000 K	16423.5	119 W	70	8.20
108-2129		LED-36/108W / 1050 mA - 4000 K	15082.8	119 W	80	8.20	
108-2129-70		LED-36/108W / 1050 mA - 4000 K	17093.8	119 W	70	8.2	
108-2130		LED-48/144W / 1050 mA - 3000 K	19216.6	159 W	80	8.20	
108-2130-70		LED-48/144W / 1050 mA - 3000 K	21898	159 W	70	8.20	
108-2131		LED-48/144W / 1050 mA - 4000 K	20110.4	159 W	80	8.20	
108-2131-70		LED-48/144W / 1050 mA - 4000 K	22791.8	159 W	70	8.20	
rectangular, side throw [R65]	108-1255	LED-36/72W / 700 mA - 3000 K	8906.1	79 W	80	8.20	
	108-1256	LED-36/72W / 700 mA - 4000 K	9520.3	79 W	80	8.20	

VFL540-SE LED

Pole mounted

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
	108-1265	LED-48/96W / 700 mA - 3000 K	11874.8	105.5 W	80	8.20
	108-1266	LED-48/96W / 700 mA - 4000 K	12693.7	105.5 W	80	8.20
	108-1275	LED-36/36W / 350 mA - 3000 K	5050.6	39 W	80	8.20
	108-1276	LED-36/36W / 350 mA - 4000 K	5539.3	39 W	80	8.20
	108-1285	LED-48/48W / 350 mA - 3000 K	6734.1	52 W	80	8.20
	108-1286	LED-48/48W / 350 mA - 4000 K	7385.8	52 W	80	8.20
	108-2070	LED-36/108W / 1050 mA - 3000 K	14070	119 W	80	8.20
	108-2071	LED-36/108W / 1050 mA - 4000 K	14724.4	119 W	80	8.20
	108-2080	LED-48/144W / 1050 mA - 3000 K	18760	159 W	80	8.20
	108-2081	LED-48/144W / 1050 mA - 4000 K	19632.5	159 W	80	8.20
	108-2440	LED-36/36W / 350 mA - 2700 K	4724.7	39 W	80	8.20
	108-2441	LED-36/72W / 700 mA - 2700 K	8291.9	79 W	80	8.20
	108-2442	LED-36/108W / 1050 mA - 2700 K	13415.6	119 W	80	8.20
	108-2443	LED-48/48W / 350 mA - 2700 K	6299.6	52 W	80	8.20
	108-2444	LED-48/96W / 700 mA - 2700 K	11055.8	105.5 W	80	8.20
	108-2445	LED-48/144W / 1050 mA - 2700 K	17887.4	159 W	80	8.20

Pole mounted**Control****Eco Step Dim® Basic**

Description	Part ID
Eco Step Dim® Basic LED	430-0001

Eco Step Dim® Advanced

Description	Part ID
Eco Step Dim® Advanced LED	430-0002

R2C Ready to Connect

Description	Part ID
R2C Ready to Connect (top)	430-0019

Wild-Light Eco Step Dim® Advanced

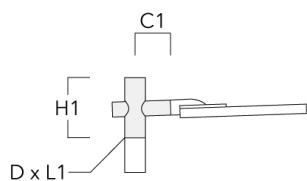
Description	Part ID	Additional information
Wild-Light Eco Step Dim® Advanced	430-0034	Fully automatic independent dimming pre-set, without additional installation effort, Example: Starting the night with warm white (3000 K from 20:00 to 22:00), reduced to biodiversity friendly in the heart of the night (2200 K from 22:00 to 06:00), and returning back to warm white in the early morning (3000 K from 06:00 to 07:00). This is the easiest to implement solution to create a nature-friendly lighting scenario, as no additional installations or external controls are needed. All pre-settings are made in the two LED drivers. The dimming values are programmed into the driver during the production of the luminaires. An optional link with sunrise and sunset times can mean additional optimisation. A customer-specific configuration is possible. The settings can be changed directly on the LED driver at any time (NFC). The necessary tool is standardised and can also be obtained from WE-EF as an optional extra.
Wild-Light Motion	430-0035	

Pole mounted

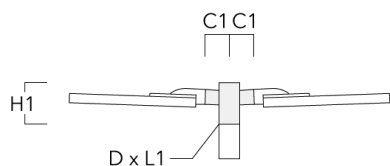
Mounting Accessories

Pole brackets RF

Description	Part ID	C1	D × L1	H1	Weight (kg)	C	H
RF1-540 Pole bracket, single	111-0046	200	76 x 80	200	2.60	200	300



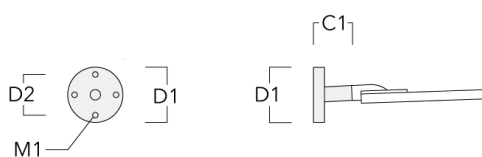
RF2-540 Pole bracket, double	111-0047	200	76 x 80	200	3.30	200	300
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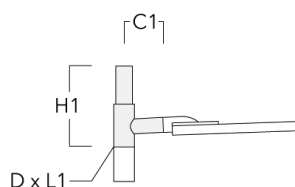
Pole mounted

Wall and pole brackets RE

Description	Part ID	Additional information	C1	D1	D2	D × L1	H1	M1	Weight(kg)	C	H
RE0-540 Wall bracket	111-0084		180	230	195			12	3.20	140	

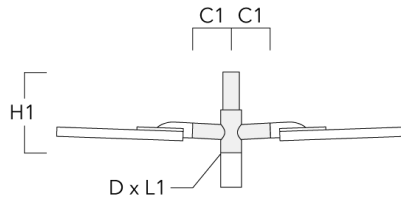


RE1-540 Pole bracket, single	111-0042		200			76 x 130	550		4.60	200	550
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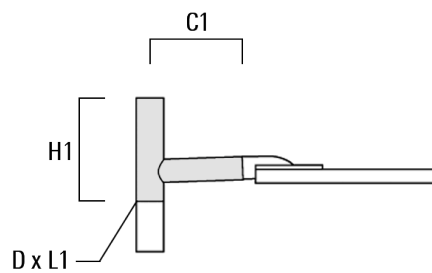


Pole mounted

Description	Part ID	Additional information	C1	D1	D2	D x L1	H1	M1	Weight (kg)	C	H
RE2-540 Pole bracket, double	111-0043		200			76 x 130	550		5.30	200	550

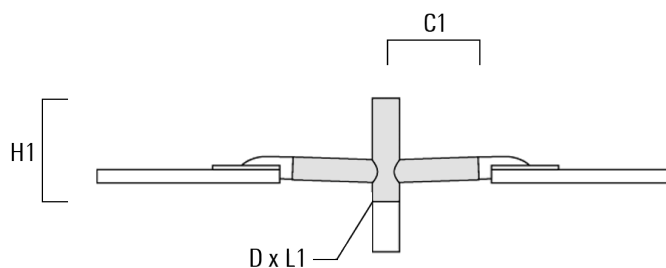


Pole bracket RE1, single for mounting on AML-A poles	111-9022	Mounting brackets. Marine-grade aluminium alloy. 5CE superior corrosion protection including PCS hardware.	320			76 x 76	550		6.10		
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Pole mounted

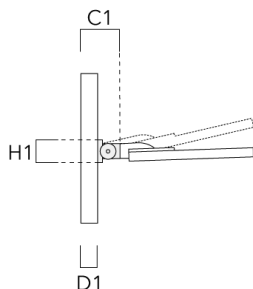
Description	Part ID	Additional information	C1	D1	D2	D × L1	H1	M1	Weight (kg)	C	H
Pole bracket RE2, double for mounting on AML-A poles	111-9023	Mounting brackets. Marine-grade aluminium alloy. 5CE superior corrosion protection including PCS hardware.	320			76 x 76	550		7.20		



Pole mounted

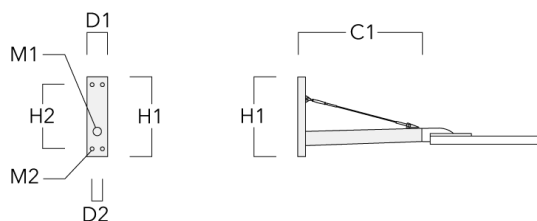
Wall and pole brackets RI

Description	Part ID	C1	D1	H1	Weight (kg)	D	H
RI-540 Wall and pole bracket	111-0179	212-255	102-133	127	1.85	102-133	110



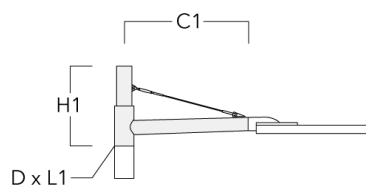
Wall and pole brackets RX

Description	Part ID	C1	D1	D2	D × L1	H1	H2	M1	M2	Weight (kg)
RX0-540 Wall bracket	111-0086	1000	140	100		450	385	30	12	5.20

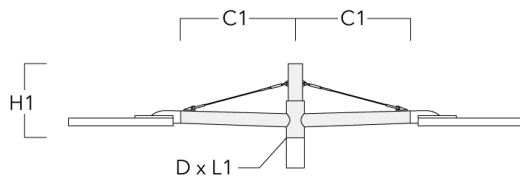


Pole mounted

Description	Part ID	C1	D1	D2	D x L1	H1	H2	M1	M2	Weight (kg)
RX1-540 Pole bracket, single	111-0054	1000			76 x 130	550				6.80



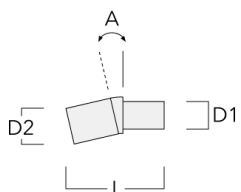
RX2-540 Pole bracket, double	111-0055	1000			76 x 130	550				9.70
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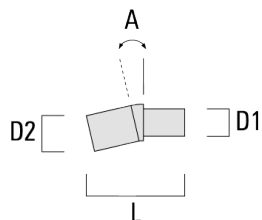
Pole mounted

Tilt brackets TB

Description	Part ID	A	D1	D2	L	Weight (kg)
TB-540.60-10 Tilt bracket 10°	111-0636	10°	60 x 90	60 x 100	205	0.70



TB-540.60-15 Tilt bracket 15°	111-0637	15°	60 x 90	60 x 100	205	0.70
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Optical Accessories**Light shield**

Description	Part ID	Additional information
LS180-[A60]	003-4018	Glare Shield for backlight spill. Glare Shield factory-installed or available as retrofit kit. Suitable for [A60] lenses. Must be specified at time of ordering.
LS180	003-4019	Glare Shield for backlight spill. Glare Shield factory-installed or available as retrofit kit. Suitable for [S60], [S65], [S70], [R65], [P65] lenses. Must be specified at time of ordering.