

Description

IP66. IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Safety glass lens. Silicone CCG® Controlled Compression Gasket. Luminaire is factory-sealed and does not need to be opened during installation.

Integral EC electronic converter in thermally-separated compartment. Advanced thermal management protects LEDs while optimising lumens output. CAD-optimised optics for superior illumination and glare control.

Including terminal box, for mounting on \varnothing 1.89-2.36 in pipes or space frames.

120V mains voltage version only, ON-OFF Class I.

RAIL66

Specifications

Material description

Body	Marine-grade, die-cast aluminium alloy
Lens	Safety glass lens
Colors	 RAL9004 Black  RAL9007 Grey Metallic  RAL9016 White
Gasket	Silicone CCG® Controlled Compression Gasket
Fasteners	PCS hardware
Ingress protection	IP66
Impact resistance	IK07
Corrosion resistance	5CE
Windage	0.323 ft ²

Electrical description

Driver / Ballast	Integral EC electronic converter in thermally-separated compartment
------------------	---

Additional information

Lifetime	Ta=25°/40° L90B10 > 90000h
Listings	ETL, UL-1598, CSA-C22.2#250.0. Suitable for Wet Locations.

Options

Light distribution



symmetric, wide beam [W]



symmetric, medium beam [M]



symmetric, narrow beam [N]



symmetric, very narrow beam [VN]



symmetric, very narrow beam, 'sharp cut-off' [VNS]



linear spread, very narrow beam [VN]



linear spread, very narrow beam, 'sharp cut-off'



wallwash

Color temperature

Nominal Watt



2700 K



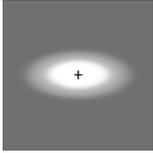
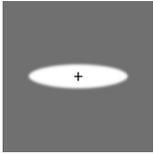
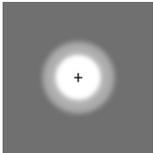
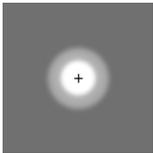
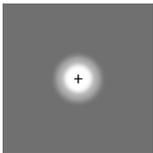
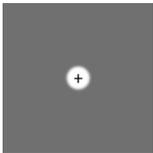
3000 K



4000 K

0 W

Configurations

Light distribution	Part ID	Light source	Delivered lumens	Rated input power	CRI	Weight (lb)
linear spread, very narrow beam [VN] 	145-7279+145-7229	LED-1/4W / 350 mA - 2700 K	384.7	5 W	80	1.70
	145-7280+145-7229	LED-1/4W / 350 mA - 3000 K	384.7	5 W	80	1.70
	145-7281+145-7229	LED-1/4W / 350 mA - 4000 K	416.1	5 W	80	1.70
linear spread, very narrow beam, 'sharp cut-off' 	145-7282+145-7229	LED-1/4W / 350 mA - 2700 K	343.5	5 W	80	1.70
	145-7283+145-7229	LED-1/4W / 350 mA - 3000 K	343.5	5 W	80	1.70
	145-7284+145-7229	LED-1/4W / 350 mA - 4000 K	369.9	5 W	80	1.70
symmetric, medium beam [M] 	145-7273	LED-1/4W / 350 mA - 2700 K	398.4	5 W	80	1.70
	145-7274	LED-1/4W / 350 mA - 3000 K	398.4	5 W	80	1.70
	145-7275	LED-1/4W / 350 mA - 4000 K	431	5 W	80	1.70
symmetric, narrow beam [N] 	145-7276	LED-1/4W / 350 mA - 2700 K	415.2	5 W	80	1.70
	145-7277	LED-1/4W / 350 mA - 3000 K	415.2	5 W	80	1.70
	145-7278	LED-1/4W / 350 mA - 4000 K	449.1	5 W	80	1.70
symmetric, very narrow beam [VN] 	145-7279	LED-1/4W / 350 mA - 2700 K	415.5	5 W	80	1.70
	145-7280	LED-1/4W / 350 mA - 3000 K	415.5	5 W	80	1.70
	145-7281	LED-1/4W / 350 mA - 4000 K	449.5	5 W	80	1.70
symmetric, very narrow beam, 'sharp cut-off' [VNS] 	145-7282	LED-1/4W / 350 mA - 2700 K	382.2	5 W	80	1.70
	145-7283	LED-1/4W / 350 mA - 3000 K	382.2	5 W	80	1.70
	145-7284	LED-1/4W / 350 mA - 4000 K	411.6	5 W	80	1.70
symmetric, wide beam [W] 	145-7270	LED-1/4W / 350 mA - 2700 K	379.1	5 W	80	1.70
	145-7271	LED-1/4W / 350 mA - 3000 K	379.1	5 W	80	1.70
	145-7272	LED-1/4W / 350 mA - 4000 K	410.1	5 W	80	1.70

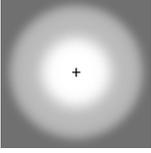
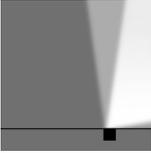
WE-EF LIGHTING USA, LLC

410-D Keystone Drive, 15086 Warrendale, PA 15086 - Phone: +1 724 742 0030

customersupport.usa@we-ef.com - <https://we-ef.com/us>

Subject to technical changes and errors. - Generated on 03/07/2026

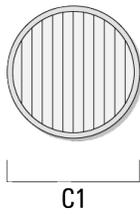
RAIL66

Light distribution	Part ID	Light source	Delivered lumens	Rated input power	CRI	Weight (lb)
						
wallwash 	145-7273+145-7230	LED-1/4W / 350 mA - 2700 K	331.7	5 W	80	1.70
	145-7274+145-7230	LED-1/4W / 350 mA - 3000 K	331.7	5 W	80	1.70
	145-7275+145-7230	LED-1/4W / 350 mA - 4000 K	358.8	5 W	80	1.70

Optical Accessories

Linear spread lens

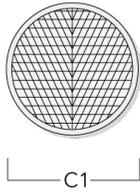
Description	Part ID	C1
Linear spread lens IO-180	145-7229	42.5



RAIL66

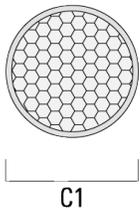
Wallwash lens

Description	Part ID	C1
Wallwash lens IO-20	145-7230	42.5



Honeycomb louvre

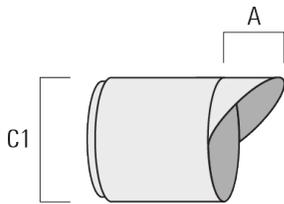
Description	Part ID	C1
Honeycomb louvre IW	145-7231	42.5



RAIL66

Glare shield

Description	Part ID	A	C1
Glare shield ES	145-7232	20.5	58



Snoot

Description	Part ID	A	C1
Snoot ET	145-7233	22.5	58

