

### Description

IP66. IK08. 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. Advanced thermal management protects LEDs while optimising lumens output. CAD-optimised optics for superior illumination and glare control. One cable entry.

Mains voltage versions, DALI interface Class I. 1-10 V analogue dimming available on request; refer to accessory listings.

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24VDC low voltage versions, 0-10 V analogue dimming (only 6-9W available) or DALI interface Class III available on request.

Remote 24VDC power supply to be ordered separately.

## Specifications

### Material description

Colours	<b>RAL9004</b> Signal black	<b>RAL9007</b> Grey aluminium	<b>RAL7016</b> Anthracite grey	<b>RAL9016</b> Traffic white
Ingress protection	IP66			
Impact resistance	IK08			

### Electrical description

Driver / Ballast	Integral EC electronic converter
Energy efficiency	D-E (Light source)

### Additional information

Listings	Knuckle permits 350° rotation, forward tilt 38° and backward tilt 90°
Lifetime	Ta=25° L90B10 > 90000h

**Options**

**Light distribution**



[B] symmetric, wide beam



[M] symmetric, medium beam

[ ]



[EE] symmetric, very narrow beam



[EES] symmetric, very narrow beam, sharp cut-off

**Colour temperature**



2700K



3000K



4000K




**Nominal Watt**


6 W

9 W

12 W

## Configurations

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	
[ ]	145-7651	LED-3/6W/4000K	646.6 lm	6 W	80	
 <p>[B] symmetric, wide beam</p>	145-7636	LED-3/6W/2700K	595.4 lm	6 W	80	
	145-7802+0033	LED-3/6W/2700K	618.3 lm	6 W	80	
	145-7639	LED-3/6W/3000K	595.4 lm	6 W	80	
	145-7803+0033	LED-3/6W/3000K	664.1 lm	6 W	80	
	145-7642	LED-3/6W/4000K	641.2 lm	6 W	80	
	145-7804+0033	LED-3/6W/4000K	709.9 lm	6 W	80	
	145-7637	LED-3/9W/2700K	835.8 lm	9 W	80	
	145-7640	LED-3/9W/3000K	835.8 lm	9 W	80	
	145-7643	LED-3/9W/4000K	893.1 lm	9 W	80	
	145-7638	LED-3/12W/2700K	1122.1 lm	12 W	80	
	145-7641	LED-3/12W/3000K	1122.1 lm	12 W	80	
	145-7644	LED-3/12W/4000K	1213.7 lm	12 W	80	
	 <p>[EE] symmetric, very narrow beam</p>	145-7654	LED-3/6W/2700K	605.2 lm	6 W	80
		145-7808+0033	LED-3/6W/2700K	628.5 lm	6 W	80
145-7657		LED-3/6W/3000K	605.2 lm	6 W	80	
145-7809+0033		LED-3/6W/3000K	675 lm	6 W	80	
145-7660		LED-3/6W/4000K	651.7 lm	6 W	80	
145-7810+0033		LED-3/6W/4000K	721.6 lm	6 W	80	
145-7655		LED-3/9W/2700K	849.6 lm	9 W	80	
145-7658		LED-3/9W/3000K	849.6 lm	9 W	80	
145-7661		LED-3/9W/4000K	907.8 lm	9 W	80	
145-7656		LED-3/12W/2700K	1140.5 lm	12 W	80	
145-7659		LED-3/12W/3000K	1140.5 lm	12 W	80	
145-7662		LED-3/12W/4000K	1233.6 lm	12 W	80	
 <p>[EES] symmetric, very narrow beam, sharp cut-off</p>		145-7663	LED-3/6W/2700K	606.3 lm	6 W	80
		145-7811+0033	LED-3/6W/2700K	682 lm	6 W	80
	145-7666	LED-3/6W/3000K	606.3 lm	6 W	80	
	145-7812+0033	LED-3/6W/3000K	732.6 lm	6 W	80	
	145-7669	LED-3/6W/4000K	656.8 lm	6 W	80	
	145-7813+0033	LED-3/6W/4000K	783.1 lm	6 W	80	
	145-7664	LED-3/9W/2700K	858.9 lm	9 W	80	
	145-7667	LED-3/9W/3000K	858.9 lm	9 W	80	
	145-7670	LED-3/9W/4000K	922 lm	9 W	80	

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
 <p>[M] symmetric, medium beam</p>	145-7665	LED-3/12W/2700K	1149.4 lm	12 W	80
	145-7668	LED-3/12W/3000K	1149.4 lm	12 W	80
	145-7671	LED-3/12W/4000K	1237.8 lm	12 W	80
	145-7645	LED-3/6W/2700K	600.4 lm	6 W	80
	145-7805+0033	LED-3/6W/2700K	623.5 lm	6 W	80
	145-7648	LED-3/6W/3000K	600.4 lm	6 W	80
	145-7806+0033	LED-3/6W/3000K	669.7 lm	6 W	80
	145-7807+0033	LED-3/6W/4000K	715.9 lm	6 W	80
	145-7646	LED-3/9W/2700K	842.9 lm	9 W	80
	145-7649	LED-3/9W/3000K	842.9 lm	9 W	80
	145-7652	LED-3/9W/4000K	900.6 lm	9 W	80
	145-7647	LED-3/12W/2700K	1131.6 lm	12 W	80
	145-7650	LED-3/12W/3000K	1131.6 lm	12 W	80
	145-7653	LED-3/12W/4000K	1224 lm	12 W	80