



Ceiling luminaires · Downlights  
BEGA Vortex Optics®

Family of surface mounted downlights with symmetric narrow, wide, and asymmetric distributions, available in three sizes. The patent pending ‘vortex reflector’ rotates a parabolic reflector around the vertical axis to form a complex vortex shape. This vortex balances maximum efficacy with optimal glare control, while eliminating shadows and artifacts in a uniquely sharp square light distribution.  
Provided with electronic driver.

Clear safety glass · Reflector surface made of pure anodized aluminum  
Robotically applied silicone, plasma treated · Silicone gasket  
Die-cast aluminum housing, white finish

Some luminaires on this page mount to a custom BEGA 19 538 recessed wiring box – see page 184. This wiring box is able to be shipped ahead of the luminaire. Refer to the luminaire installation instructions for details.

LED color temperatures: 2700K, 3000K, 3500K, 4000K

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires – see page 186. Further LED technical data including luminous flux, CRI, service life, and dimming and electrical characteristics are provided on the individual luminaire specification sheets, available at [www.bega-us.com](http://www.bega-us.com).

NRTL listed to North American Standards, interior use only  
Refer to page 185 for more information



For recessed luminaires,  
see page 36.



	Narrow beam				
	LED	β	A	B	Required wiring box
50 162	3.0 W	24°	3 3/4	3 1/2	19 538
50 163	8.4 W	25°	3 3/4	3 1/2	19 538
50 164	17.8 W	26°	5 1/8	4	-
50 165	33.6 W	27°	6 3/4	4	-

	Wide beam				
	LED	β	A	B	Required wiring box
50 166	3.0 W	40°	3 3/4	3 1/2	19 538
50 167	8.4 W	39°	3 3/4	3 1/2	19 538
50 168	17.8 W	39°	5 1/8	4	-
50 169	33.6 W	41°	6 3/4	4	-

	Asymmetric			
	LED	A	B	Required wiring box
50 413	3.0 W	3 3/4	3 1/2	19 538
50 414	8.4 W	3 3/4	3 1/2	19 538
50 415	17.8 W	5 1/8	4	-
50 416	33.6 W	6 3/4	4	-

β = Beam angle