

LED ceiling mounted downlights - vortex reflector - wide beam distribution

BEGA

Application

Linear LED ceiling mounted luminaire with wide beam light distribution. The patent pending 'vortex reflector' rotates a parabolic reflector around the vertical axis to form a complex vortex shape. This vortex balances maximum efficiency with optimal glare control while eliminating shadows and artifacts in a uniquely sharp square distribution.

Materials

Luminaire housing constructed of die-cast marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy
Clear safety glass
Reflector surface made of pure anodized aluminum
Silicone applied robotically to casting, plasma treated for increased adhesion
Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
Protection class IP 65
Weight: 20.3 lbs

Electrical

Operating voltage	120-277V AC
Minimum start temperature	-20°C
LED module wattage	48.0 W
System wattage	55.0 W
Controllability	0-10V dimming down to 0.1%
Color rendering index	Ra > 80
Luminaire lumens	6,833 lumens (3000K)
Lifetime at Ta = 15°C	> 500,000 h (L70)
Lifetime at Ta = 50°C	78,000 h (L70)

LED color temperature

4000K - Product number + **K4**
3500K - Product number + **K35**
3000K - Product number + **K3**
2700K - Product number + **K27**

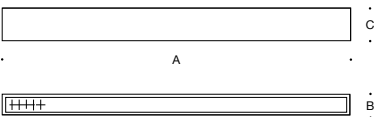
BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

Available colors	Black (BLK)	White (WHT)	RAL:
	Bronze (BRZ)	Silver (SLV)	CUS:

Type:
BEGA Product:
Project:
Modified:



LED ceiling mounted downlights · vortex reflector · wide beam						
	LED	β	A	B	C	Required wiring box
24314	48.0 W	55°	59 1/4	2 3/8	3 3/4	19537

β = Beam angle

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
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