

## LED recessed ceiling downlight - vortex reflector - narrow beam

## Application

LED recessed ceiling luminaire with symmetric narrow beam light distribution. The patented pendant "vortex reflector" isolates a parabolic reflector around the vertical axis to form a complex vortex shape. This vortex isolates maximum efficiency with optimal glare control while eliminating shadows and artifacts in a uniquely sharp square distribution.

## Materials

Luminaire housing and facelate constructed of die-cast marine grade, copper free (60.3% 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  
High temperature silicone gasket  
Mechanically captive stainless steel fasteners  
Stainless steel screw clamps  
Ceiling mounted driver enclosure constructed of aluminum  
NRTL listed to North American Standards, suitable for wet locations  
Protection class IP65  
Weight: 1.4 lbs

## Electrical

Operating voltage 120-277VAC  
Minimum start temperature -30°C  
LED module wattage 3.0W  
System wattage 6.0W  
Controllability 0-100% dimmable  
Color rendering index Ra > 90  
Luminaire lumens 350 lumens (3000K)  
Lifetime at Ta = 25°C 50,000 h (L70)

## LED color temperature

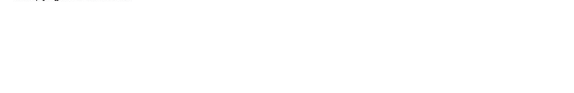
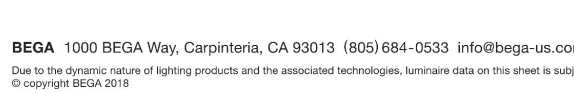
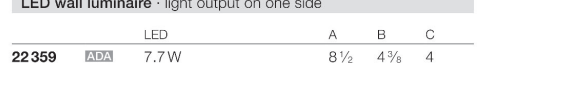
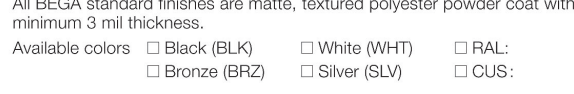
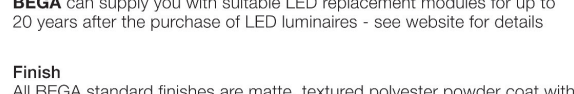
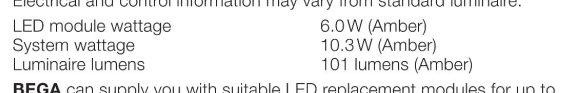
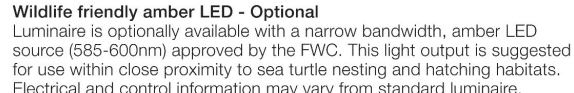
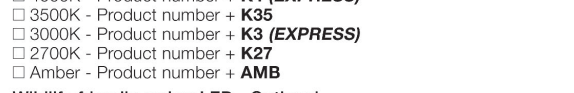
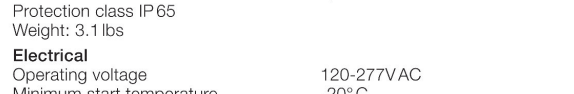
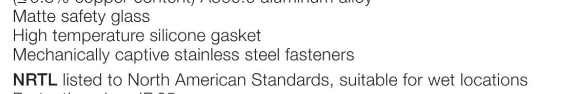
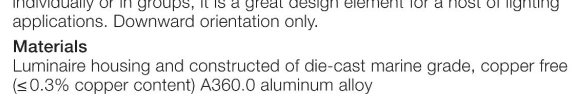
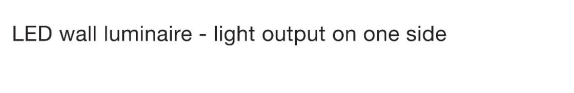
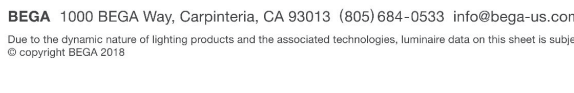
□ 4000K - Product number + **K4**  
□ 3500K - Product number + **K35**  
□ 3000K - Product number + **K3**  
□ 2700K - Product number + **K27**

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:

Mounting options  
□ CP Ceiling pin



## BEGA

## Wall luminaires with light in up and down directions

## Application

Designed to provide up and down lighting effects for interior and exterior locations featuring narrow beam light distribution.

## Materials

Luminaire housing constructed of die-cast marine grade, copper free (60.3% copper content) A360.0 aluminum alloy  
Clear safety glass  
Reflector made of pure anodized aluminum  
Silicone applied robotically to casting, plasma treated for increased adhesion  
High temperature silicone gasket  
Mechanically captive stainless steel fasteners  
NRTL listed to North American Standards, suitable for wet locations  
Protection class IP64  
Weight: 3.8 lbs

## Electrical

Operating voltage 120-277VAC  
Minimum start temperature -40°C  
LED module wattage 8.0W  
System wattage 11.0W  
Controllability 0-100% dimmable  
Color rendering index Ra > 90  
Luminaire lumens 601 lumens (3000K)  
LED service life (L70) 60,000 hours

## LED color temperature

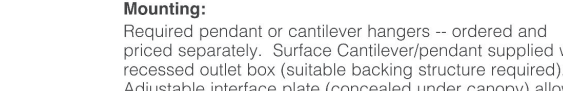
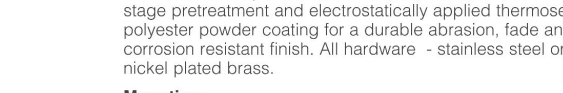
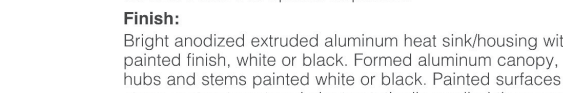
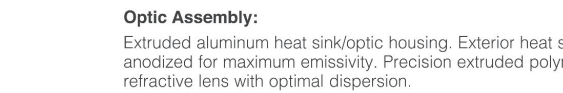
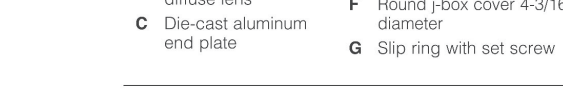
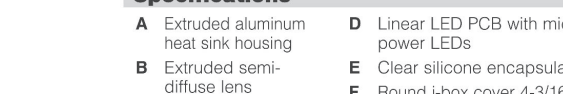
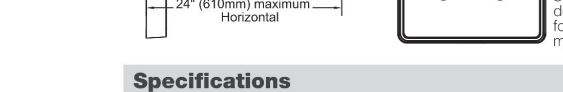
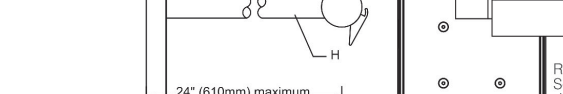
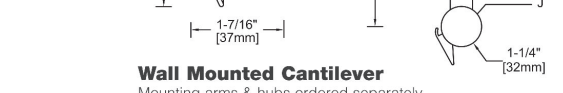
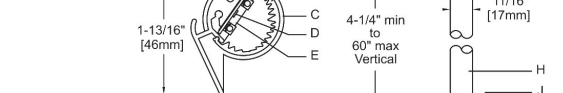
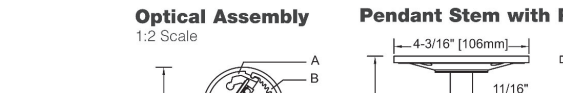
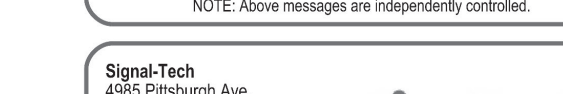
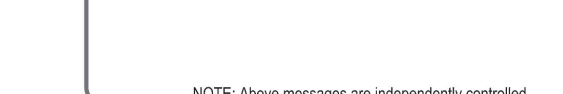
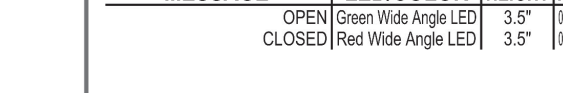
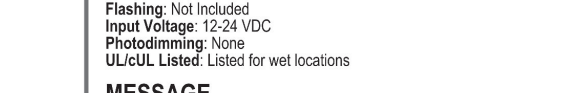
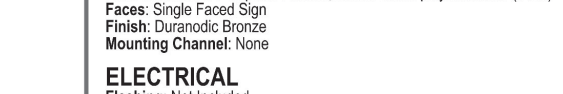
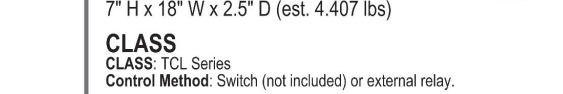
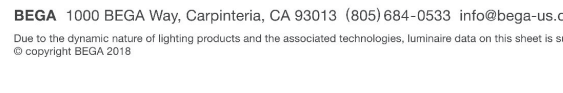
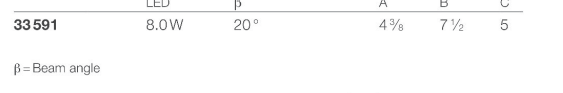
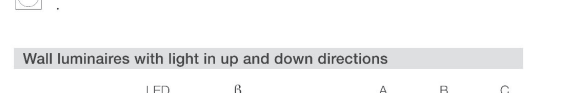
□ 4000K - Product number + **K4 (EXPRESS)**  
□ 3500K - Product number + **K35 (EXPRESS)**  
□ 3000K - Product number + **K3 (EXPRESS)**  
□ 2700K - Product number + **K27**  
□ Amber - Product number + **AMB**

**Wildlife friendly amber LED - Optional**  
Luminaire is optionally available with a narrow bandwidth, amber LED source (585-600nm) approved by the FWC. This light output is suggested for use within close proximity to sea turtle nesting and hatching habitats. Electrical and control information may vary from standard luminaire. LED module wattage 9.0W (Amber)  
System wattage 11.0W (Amber)  
Luminaire lumens 160 lumens (Amber)

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:



## BEGA

## LED pole-top luminaires - Asymmetrical light distribution

## Application

LED pole-top luminaire with asymmetrical light distribution designed for the illumination of parking areas and roadways. Tool-less entry with hinged door for ease of maintenance. Provided with slip filter to fit 3" O.D. poles.

## Materials

Luminaire housing and pole filter constructed of die-cast marine grade, copper free (60.3% copper content) A360.0 aluminum alloy  
Clear safety glass with anti-reflective coating for increased transmission  
Reflector made of pure anodized aluminum  
Silicone applied robotically to casting, plasma treated for increased adhesion  
High temperature silicone gasket  
Mechanically captive stainless steel fasteners  
NRTL listed to North American Standards, suitable for wet locations  
Protection class IP60  
Weight: 19.0 lbs

## EPA (Effective projection area): 0.75 sq. ft.

## Electrical

Operating voltage 120-277VAC  
Minimum start temperature -30°C  
LED module wattage 47.2W  
System wattage 56.0W  
Controllability 0-100% dimmable  
Color rendering index Ra > 90  
Luminaire lumens 6,655 lumens (3000K)  
Lifetime at Ta = 15°C >500,000 h (L70)  
Lifetime at Ta = 50°C 192,000 h (L70)

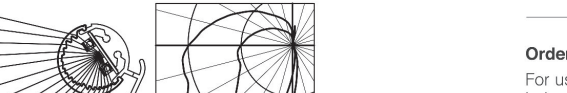
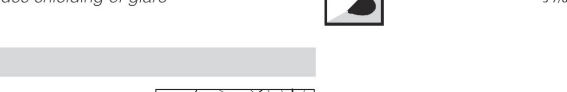
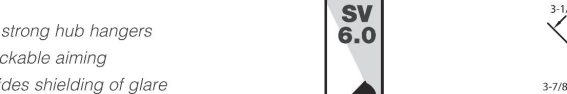
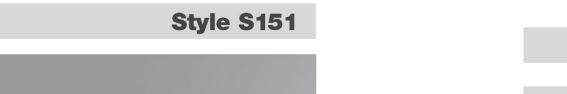
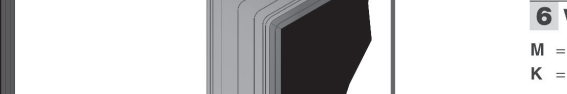
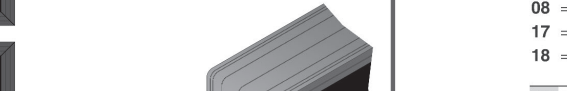
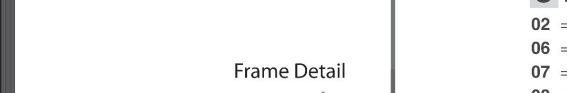
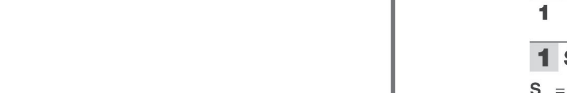
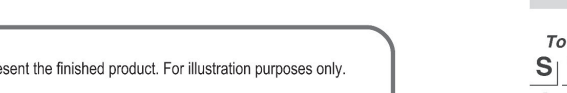
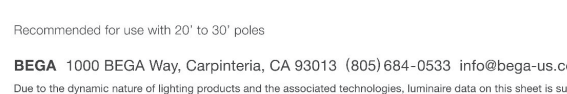
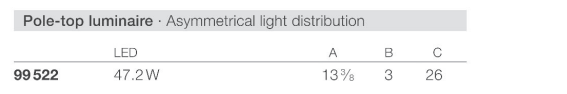
## LED color temperature

□ 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:



## BEGA

## LED ceiling mounted downlight - wide beam

## Application

This compact LED ceiling mounted downlight is designed for down lighting offices, corridors, passages, and other interior and exterior locations featuring a symmetrical wide beam light distribution.

## Materials

Luminaire housing constructed of die-cast marine grade, copper free (60.3% copper content) A360.0 aluminum alloy  
Clear safety glass  
Reflector made of pure anodized aluminum  
High temperature silicone gasket  
NRTL listed to North American Standards, suitable for wet locations  
Protection class IP65  
Weight: 5.1 lbs

## Electrical

Operating voltage 120-277VAC  
Minimum start temperature -30°C  
LED module wattage 15.7W  
System wattage 19.0W  
Controllability 0-100% dimmable  
Color rendering index Ra > 90  
Luminaire lumens 1811 lumens (3000K)  
LED service life (L70) 60,000 hours

## LED color temperature

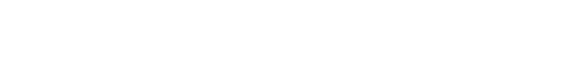
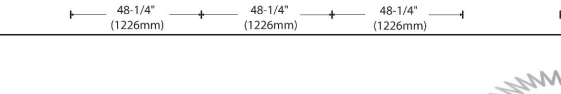
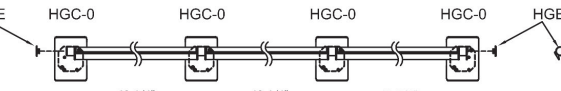
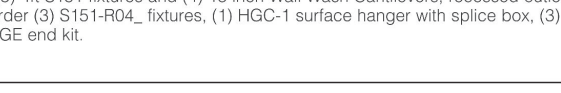
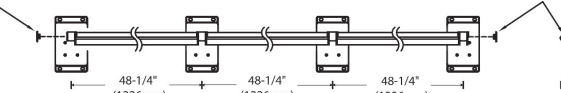
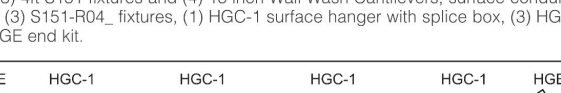
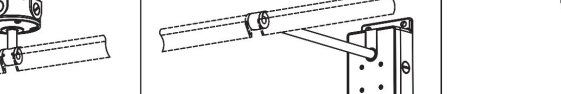
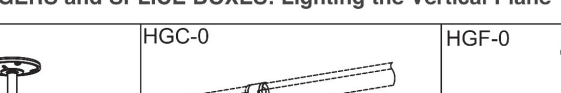
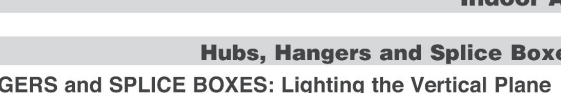
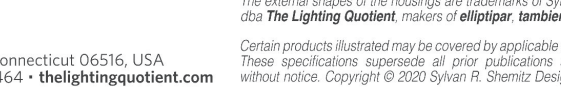
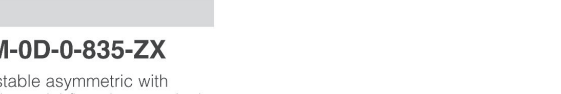
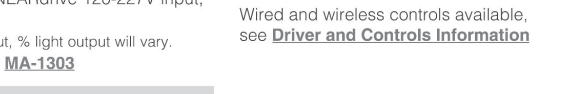
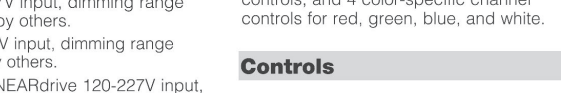
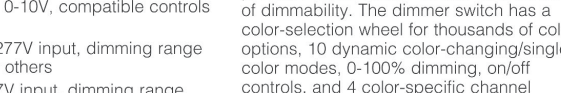
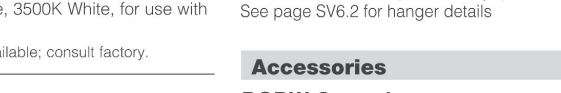
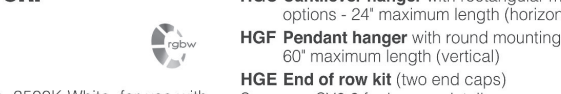
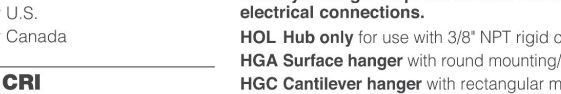
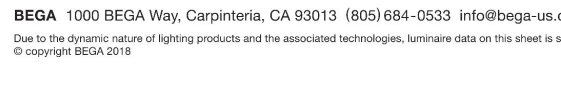
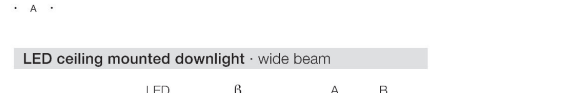
□ 4000K - Product number + **K4 (EXPRESS)**  
□ 3500K - Product number + **K35 (EXPRESS)**  
□ 3000K - Product number + **K3 (EXPRESS)**  
□ 2700K - Product number + **K27**  
□ Amber - Product number + **AMB**

**Wildlife friendly amber LED - Optional**  
Luminaire is optionally available with a narrow bandwidth, amber LED source (585-600nm) approved by the FWC. This light output is suggested for use within close proximity to sea turtle nesting and hatching habitats. Electrical and control information may vary from standard luminaire. LED module wattage 16.0W (Amber)  
System wattage 21.7W (Amber)  
Luminaire lumens 645 lumens (Amber)

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:



## BEGA

## Type: XF

BEGA Product:  
Project:  
Modified:



Consultants

1220 Marshall Street NE 612.677.7100  
Minneapolis 612.677.7499  
Minnesota 55413-1036 fax  
www.research.co

U.S. BANK

FLW BLVD AND  
HWY 101  
(RANTREE)

DRAFT -  
PROPRIETARY -  
DO NOT  
DISTRIBUTE - NOT  
FOR  
CONSTRUCTION  
03/03/2023

Project For

U.S. BANK

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