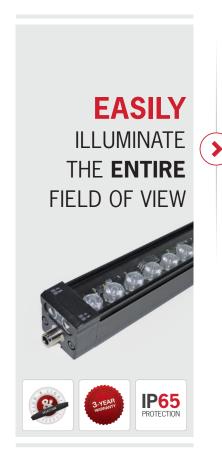
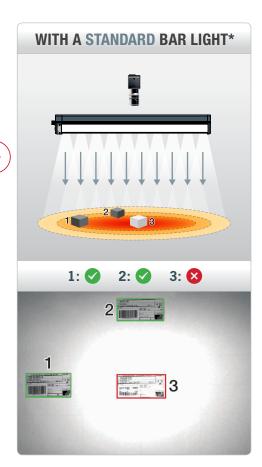
## WIN THE BATTLE OF **BRIGHTNESS** VS **HOMOGENEITY**!

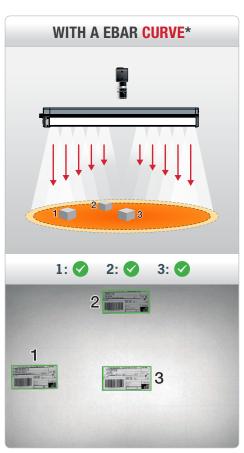


# **EBAR Curve**









\* Homogeneity perceived by the camera.





The EBAR Curve is a high power LED solution. It has been developed to ease the integration process and helps you achieve the best balance between brightness and homogeneity. The curve effect works by reducing the saturated light spot in the centre of a cameras Field of View (FoV). By reducing this spot, uniform illumination across the FoV can be achieved. This new development in machine vision illumination allows for smaller barlights to be used, giving you savings spatially and economically.

The EBAR Curve has manually adjustable Curve settings for increasing and decreasing the brightness of the centre LEDs to fine tune your results. We have given recommendations to follow for the working distance and the FoV that will be generated. The product will increase productivity and efficiency through time savings, high quality results and an increased FoV per barlight.

The selection process is simple, find your required FoV and follow the part configurator to select the best solution for you.

#### **APPLICATION EXAMPLES:**





CURVE





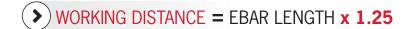


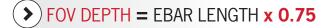




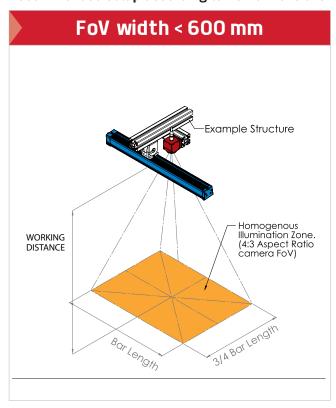
#### **HOW TO SELECT THE CORRECT SIZE:**

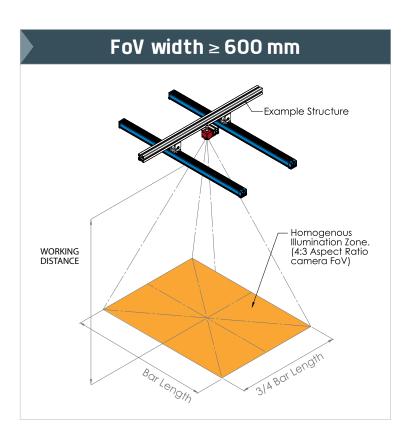




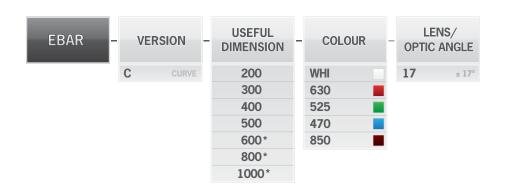


#### Recommended setup according to FOV dimensions:





#### **EBAR CURVE PART NUMBER CONFIGURATOR:**

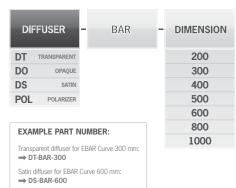


#### **EXAMPLE PART NUMBER:**

EBAR Curve 300 mm white LED  $\pm$  17° lenses  $\Rightarrow$  EBAR-C-300-WHI-17 EBAR Curve 500 mm red LED  $\pm$  17° lenses  $\Rightarrow$  EBAR-C-500-630-17 EBAR Curve 800 mm blue LED  $\pm$  17° lenses  $\Rightarrow$  EBAR-C-800-470-17

\* 600, 800 and 1000 mm Bars require 2 bars to fill the full FoV.

#### **DIFFUSORS:**





#### **MOUNTING DEVICES:**











#### **CABLES:**



#### **PROTECTION:**



#### **LIGHTING METHODS**

# DIRECT

### **TECHNICAL SPECIFICATIONS:**

200	300	400	500	600	900	1000
_200					-800	1000
11						54
CW and Strobe (Trigger PNP or NPN)						
No						
15 μs						
15 µs						
1x male M12 – 5 poles						
Colours						
White; 470; 525; 630; 850						
Mechanics						
200	300	400	500	600	800	1000
233	333	433	533	633	833	1033
47.6 x 45						
Aluminum						
Transparent protective window						
2 M4 nuts to insert in the groove located on the back of the light or directly use M4 screws						
Environment						
-10° to +40°C / 80% of humidity without condensation No thermal shock (max temperature variation: 10°C in 24h)						
-20° to +60°C / 80% of humidity without condensation No thermal shock (max temperature variation: 10°C in 24h)						
IP 65						
RoHS-CE-DEEE						
	233 No	Electron    11	Transpare   2 M4 nuts to in on the back of the last	Transparent protection   P 65   P   P   P   P   P   P   P   P   P	Electronics  24 VDC ±10%  11 16 22 26.5 27  CW and Strobe (Trigger PNP or NP No No 15 μs  15 μs  15 μs  1x male M12 – 5 poles  Colours  White ; 470 ; 525 ; 630 ; 850  Mechanics  200 300 400 500 600 233 333 433 533 633  47.6 x 45  Aluminum  Transparent protective window  2 M4 nuts to insert in the groove loc on the back of the light or directly use Machanics  Environment  -10° to +40°C / 80% of humidity without co No thermal shock (max temperature variation: 1P 65	Transparent protective window   2 M4 nuts to insert in the groove located on the back of the light or directly use M4 screws   10° to +60°C / 80% of humidity without condensation No thermal shock (max temperature variation: 10°C in 24 10   10°C in 24 10°C   10°C in 24 10°C

Features and presentations liable to modifications without prior notice. B-1 version, 2017/12 Edition



