

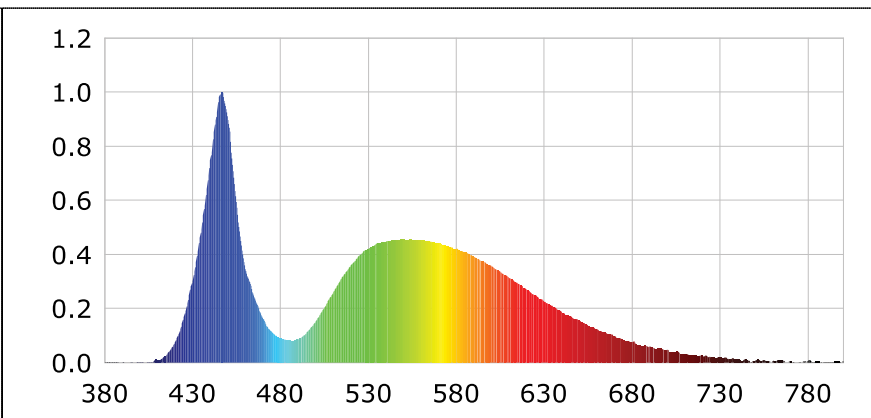
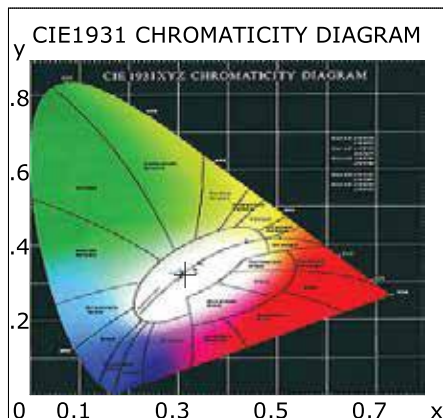


Product Type: ML-CL-12W-BB  
Product Number: 87

Características	
Modelo	ML-CL-12W-BB
Aplicación	Downlight metalico dirigible
Material	AL
Terminado	METALICO
Pantalla	0
Indice de Protección [IP]	IP40
Base	N/A
Dimensiones mm	Ø139*69*108 mm
Lúmenes	1000Lm
Temperatura	6000k
Parametros Eléctricos	
Tensión Nominal [V~]	85-265 V~
Consumo de Potencia [W]	12W
Frecuencia Nominal [Hz]	50/60Hz
Consumo de Corriente [A]	0.14A
Temperatura de Operación	0 - 40 °C
Beneficios	
Garantía	2 Año de Garantía
Certificación	NOM

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3155$   $y=0.3227$   $u(u')=0.2022$   $v=0.3102$   $v'=0.4653$   
 CCT:  $T_c=6398K$  ( $duv=-0.00147$ ) Color Ratio:  $R=0.127$   $G=0.837$   $B=0.035$   
 Peak Wavelength: 446.5nm Half Bandwidth: 21.3nm  
 Dominant Wavelength: 483.7nm Color Purity: 0.069  
 CRI:  $R_a=72.0$ ,  $avgR(1\sim14)=62.1$ ,  $avgR(1\sim15)=62.6$  TM30:  $R_f=66$ ,  $R_g=96$   
 $R_1=73$   $R_2=74$   $R_3=72$   $R_4=74$   $R_5=73$   $R_6=65$   $R_7=79$   $R_8=65$   
 $R_9=-14$   $R_{10}=36$   $R_{11}=73$   $R_{12}=42$   $R_{13}=71$   $R_{14}=84$   $R_{15}=70$   
 Color Quality Scale:  $Q_a=70.0$ ,  $Q_f=67.9$ ,  $Q_p=75.6$ ,  $Q_g=92.2$   
 $Q_1=82$   $Q_2=90$   $Q_3=59$   $Q_4=54$   $Q_5=68$   $Q_6=73$   $Q_7=78$   $Q_8=88$   
 $Q_9=85$   $Q_{10}=68$   $Q_{11}=63$   $Q_{12}=66$   $Q_{13}=70$   $Q_{14}=62$   $Q_{15}=71$



### Photometric Parameters

Luminous Flux: 1151.75 lm Efficiency: 92.29 lm/W Radiant Power: 3.667 W  
 EEI: 0.14 Energy Efficiency Class: A+ (EU 874-2012)  
 Pupil Flux: 1952.32 Plm Pupil Lumens Per Watt: 156.44 Plm/W Pupil Factor (Kp): 1.695

### Electric Parameters

Voltage: 127.10V Current: 0.1640A Power: 12.48W  
 Power Factor: 0.5980 Frequency: 60.00Hz

### Test Information

Scan Range: 380~800:1nm  
 Stabilization Time: 0 Min  
 Max of Signal: 44999 (3358)

Photometric Method: sphere-spectroradiometer  
 Photometric Condition: Sphere diameter: 1.50m, 4PI  
 CCD Integration Time: 801.96 ms