



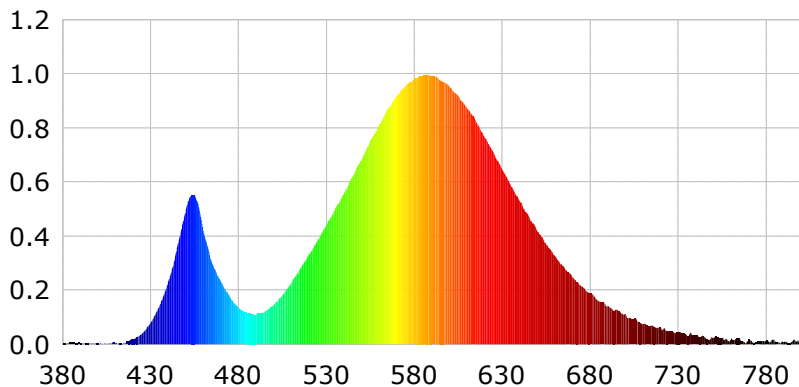
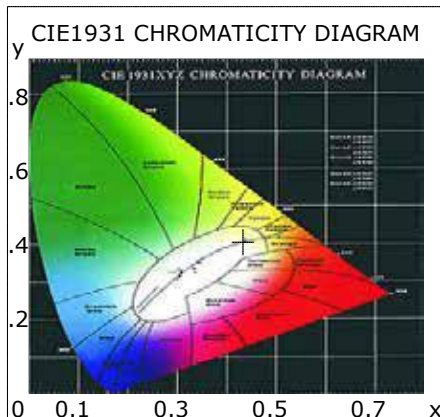
| Características           |                              |
|---------------------------|------------------------------|
| Modelo                    | ML-CL-12W-BC                 |
| Aplicación                | Downlight metalico dirigible |
| Material                  | AL                           |
| Terminado                 | METALICO                     |
| Pantalla                  | 0                            |
| Indice de Protección [IP] | IP40                         |
| Base                      | N/A                          |
| Dimensiones mm            | Ø139*69*108 mm               |
| Lúmenes                   | 910 Lm                       |
| Temperatura               | 3500k                        |
| Parámetros 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                          |

Product Type: ML-CL-12W-BC

Product Number: 24

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4341$   $y=0.4079$   $u(u')=0.2471$   $v=0.3483$   $v'=0.5225$   
 CCT:  $T_c=3080K$  ( $duv=0.00194$ ) Color Ratio:  $R=0.197$   $G=0.785$   $B=0.019$   
 Peak Wavelength: 587.7nm Half Bandwidth: 107.6nm  
 Dominant Wavelength: 581.8nm Color Purity: 0.527  
 CRI:  $R_a=65.9$ ,  $avgR(1\sim14)=54.8$ ,  $avgR(1\sim15)=54.8$  TM30:  $R_f=67$ ,  $R_g=90$   
 $R_1=60$   $R_2=78$   $R_3=92$   $R_4=58$   $R_5=59$   $R_6=68$   $R_7=75$   $R_8=37$   
 $R_9=-51$   $R_{10}=49$   $R_{11}=47$   $R_{12}=35$   $R_{13}=64$   $R_{14}=95$   $R_{15}=54$   
 Color Quality Scale:  $Q_a=67.0$ ,  $Q_f=68.6$ ,  $Q_p=67.4$ ,  $Q_g=83.5$   
 $Q_1=69$   $Q_2=96$   $Q_3=66$   $Q_4=55$   $Q_5=61$   $Q_6=62$   $Q_7=64$   $Q_8=75$   
 $Q_9=94$   $Q_{10}=79$   $Q_{11}=71$   $Q_{12}=68$   $Q_{13}=68$   $Q_{14}=54$   $Q_{15}=59$



### Photometric Parameters

Luminous Flux: 1116.45 lm Efficiency: 83.07 lm/W Radiant Power: 3.083 W  
 EEI: 0.16 Energy Efficiency Class: A+ (EU 874-2012)  
 Pupil Flux: 1272.12 Plm Pupil Lumens Per Watt: 94.65 Plm/W Pupil Factor (Kp): 1.139

### Electric Parameters

Voltage: 127.30V Current: 0.1780A Power: 13.44W  
 Power Factor: 0.5940 Frequency: 60.00Hz

### Test Information

Scan Range: 380~800:1nm  
 Stabilization Time: 0 Min  
 Max of Signal: 53236 (4532)

Photometric Method: sphere-spectroradiometer  
 Photometric Condition: Sphere diameter: 1.50m, 4PI  
 CCD Integration Time: 1763.52 ms