High Power LED Spot Illumination

MCEP-C□8-070 *Series*

Model Explanation

MCEP - C □ 8 — 070

- Power LED
- Luminescent color: R Red, G Green, B Blue, W White
- Value for Maximum Rated Electrical Current

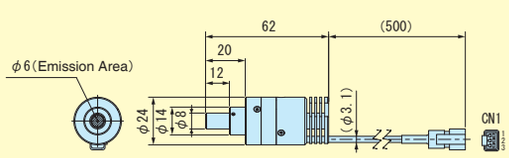
- Realization of illuminance 1.35 times greater than conventional models.
- Increased efficiency of emission due to a unique heat discharge system (design registration pending).
- Realization of industry-leading*1 illuminance and high uniformity (when using MML) due to a newly developed collimator and optical guidance rod.

*1 As of August, 2007

Model	Emitted Color	Dominant Wavelength Range*	Color Temperature	Maximum Rated Current IFM (A)	Weight (g)	Commodity Code
MCEP-CR8-070	Red	613.5~645nm	--	0.7	45	A-2323
MCEP-CG8-070	Green	520~550nm	--	0.7	45	A-2324
MCEP-CB8-070	Blue	460~490nm	--	0.7	45	A-2325
MCEP-CW8-070	White	--	4500~10000K	0.7	45	A-2326

*Wavelength that is seen by eye due to CIE chromatic coordinates.

MCEP-C□8-070



MLEP-A070

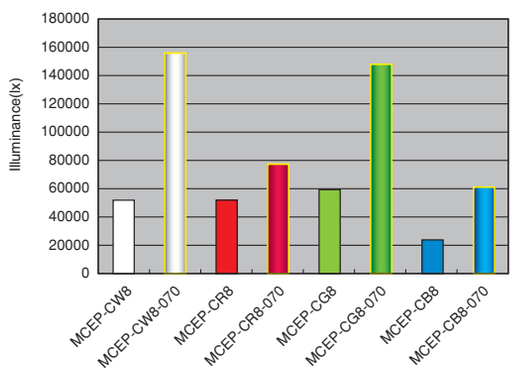
Exclusive Power Supply Unit (refer to page I-23)

MCEP-ADLG24

Exclusive Light Guide Adaptor (refer to page I-21)

Use the MML Series for the optimal matching of high power LED spot LED illumination (MCEP Series) combined with a lens for coaxial illumination.
A lineup of 47 types of telecentric optical systems with low image distortion offer a variety of supported magnifications, widths and camera mounts (only with coaxial illumination)
Moritex has a variety of high quality lens and illumination products along with the technology to diagnose, aid, and solve any difficult applications our customers may have.

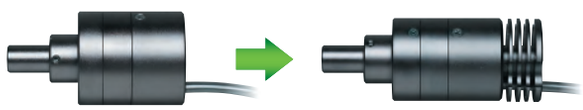
Amazing Brightness



*The illuminance values shown above are intended for use as reference values. They are not guaranteed values.

Unique Heat Discharge Structure

Conventional Product:MCEP-C*8　　New Product:MCEP-C*8-070

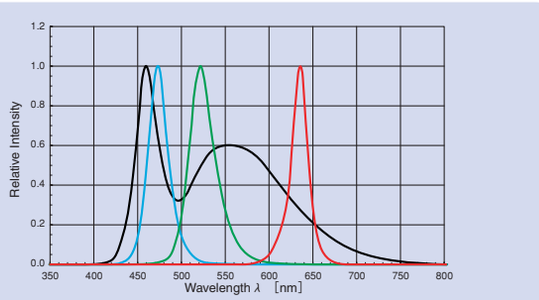


LED elements have changed to handle a large electrical current. Due to this change, the issue of suppressing the occurrence of heat has become a key point when creating efficient illumination. Moritex has improved the efficiency of emission through the use of our unique heat discharge structure. (Design registration pending.)

Supported Power source

Use the MLEP-A070 power source. Four types are available including 1 ch, 3 ch, digital, and analog. Of course, RoHS and CE standards are satisfied.

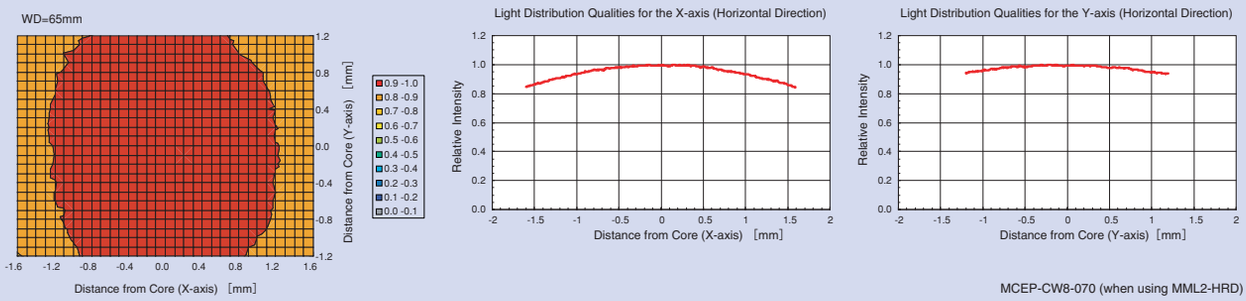
Spectral Characteristic Data



R : Peak Wavelength λ p =635.9 [nm] Dominant Wavelength λ d =624.2 [nm]
G : Peak Wavelength λ p =521.5 [nm] Dominant Wavelength λ d =528.8 [nm]
B : Peak Wavelength λ p =473.0 [nm] Dominant Wavelength λ d =475.6 [nm]

MCEP-CW8-070
MCEP-CR8-070
MCEP-CG8-070
MCEP-CB8-070

Light Distribution Qualities



MCEP-CW8-070 (when using MML2-HRD)