

HORTICULTURE RED CoB SERIES

Red-emission component platform for controlled-environment lighting



30 x 30 mm PACKAGE	17 mm EMITTING SURFACE	COMMON MECHANICAL PLATFORM
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SERIES OVERVIEW

A 30 mm chip-on-board emitter platform intended for OEM horticulture-lighting development. Wavelength, radiant output and photon-flux requirements are established for each selected configuration.

PLATFORM CHARACTERISTICS	GENERAL SERIES INFORMATION
Series focus	650 nm-class red-emission family
Package outline	30.00 x 30.00 x 1.00 mm
Light-emitting surface	17.00 mm circular emitting area
Substrate / thermal path	Aluminium base with electrically isolated thermal path
Mounting reference	Two 3.00 mm holes on the diagonal; M4 screw reference assembly
Thermal resistance	2 deg C/W, junction-to-case design value; system thermal validation required
Drive method	Regulated constant-current drive; configuration-specific limits apply

CONFIGURATION SELECTION

PARAMETER	RELEASE POSITION
Peak wavelength / FWHM	Configuration-specific; confirmed in the controlled specification
Radiant / photon flux	Configuration-specific; no lumen-based horticulture claim is made
Electrical rating	Configuration-specific; constant-current drive required

TYPICAL APPLICATION AREAS

Controlled-environment agriculture | Horticulture luminaire development | Spectrally tailored OEM lighting systems

IMPORTANT	This sheet does not include a Red + IR product. The available source pack contains no valid Red + IR performance data.
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ORDERING AND DESIGN-IN

Before design-in or order acceptance, obtain the current configuration-specific controlled specification covering ordering code, wavelength or CCT/CRI, electrical limits, optical output, test conditions, thermal requirements and applicable compliance declarations.

DOCUMENT STATUS USA Website Release | Rev270826 | 27 August 2026 | General series information; not a guaranteed configuration specification.