

CEL-HI-200KW+2KR

Key features

- Based on LED-technology
- 200,000 / 20,000cd effective flashing white during day/twilight, 2,000cd effective flashing/steady red during night
- 120° x 3° beam spread
- Extremely reliable -long lifetime
- Very low power consumption
- Stabilised light output
- Lightweight and small- low wind load factor
- Patented
- Very low total lifetime costs
- Comes with five (5) year warranty
- Over 10 year continuous, maintenance free operating time
- Controlled by CEL LHC Light Head Controller

Specifications met

- ICAO International Standards and Recommended Practices: Aerodromes- Annex 14 Volume 1, 5th Edition, July 2009, Chapter 6: High-intensity Type A, Medium-intensity Type B/C Fixed Obstacle Light

Photometric characteristics

- 200,000cd effective intensity @day mode
- 20,000cd effective intensity @twilight mode
- 2,000cd effective intensity @night mode
- Horizontal radiation pattern 120°
- Vertical radiation pattern 3°

Electrical characteristics (with LHC)

- Operating voltages 48 Vdc, 115 or 230 Vac (50/60Hz)
- Constant power input by active PFC
- Flash rates: 20, 40 and 60 fpm
- Flash durations: 100, 150, 200 and 250ms
- Power consumptions 312VA@ 40fpm, 250ms
- Operating temperature range -55 ... + 70°C
- Storage temperature range -55 ... +100°C
- LED supply current stabilised by constant current generator

Mechanical characteristics

- -Marine grade aluminium enclosure
- Glass cover
- Degree of protection IP65
- Height 843mm, width 353mm , depth 213mm
- Height 973mm with mounting set
- Weight 27kg, including mounting set 35kg
- Mounting set -V or -W include
- Wind load @ 200km/h less than 1000N

Page 1 of 4



CEL-HI-200KW+2KR

Order codes:

CEL-HI-200KW+2KR-V with vertical mounting set CEL-HI-200KW+2KR-W with wall mounting set

> T: +44 (0)20 8540 1034 F: +44 (0)20 8543 3058 E: info@contarnex.com

Contarnex Europe Limited 252 Martin Way, Morden, Surrey SM4 4AW United Kingdom

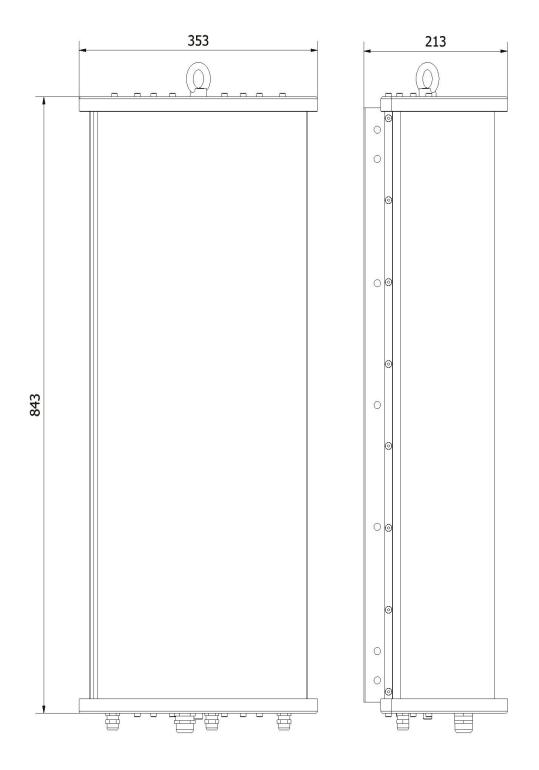


Technical information in this document is subject to change without notice. Copyright© CEL2012 May 2015

www.contarnex.com

CEL-HI-200KW+2KR

MECHANICAL DIMENSIONS

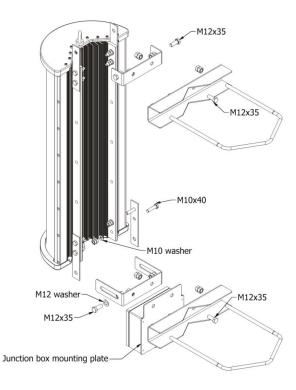


T: +44 (0)20 8540 1034 F: +44 (0)20 8543 3058 E: info@contarnex.com www.contarnex.com Contarnex Europe Limited. 252 Martin Way, Morden, Surrey SM4 4AW United Kingdom

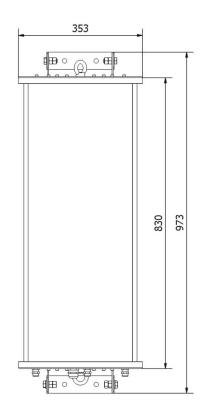


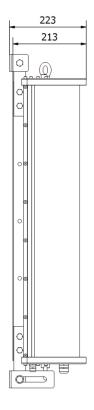
CEL-HI-200KW+2KR

VERTICAL MOUNTING SET



WALL MOUNTING SET





T: +44 (0)20 8540 1034 F: +44 (0)20 8543 3058 E: info@contarnex.com www.contarnex.com Contarnex Europe Limited. 252 Martin Way, Morden, Surrey SM4 4AW United Kingdom



Technical information in this document is subject to change without notice. Copyright© CEL2012 May 2015

CEL-HI-200KW+2KR

INSTALLATION INSTRUCTIONS

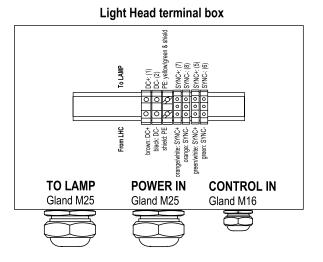
LIGHT HEAD TERMINAL BOX CONNECTIONS

CEL-HI-200KW+2KR light head is connected to light head controller, LHC, via terminal box installed in light head. LHC provides light head's supply voltage and flash control with separate cables which are connected to light head's terminal box

Terminal box connection instructions and cable recommendations:

To lamp	Power in	Control in
4x2,5 + 4x1mm2	3x6mm2	CAT5
1 =DC+ 2 =DC- 3 = NC ye/gr = PE 7 = CDL+ 8 = CDL- shield = PE	br =DC+ bk =DC- wh = NC shield= PE	or/wh = 200KW SYNC+ or= 200KW SYNC gr/wh = 2KR SYNC+ gr = 2KR SYNC-

ETHERNET 2



POWER AND CONTROL CABLES LHC **Light Head Controller** Power cable: 3x6mm2, max cable length 15 meters 230 VAC IN POWER OUT ETHERNET 1 CONTROL

Control cable: CAT5 STP, max cable length 15 meters

T: +44 (0)20 8540 1034 F: +44 (0)20 8543 3058 E: info@contarnex.com www.contarnex.com Contarnex Europe Limited. 252 Martin Way, Morden, Surrey SM4 4AW United Kingdom

- Power Supply & capasitor bank - Communication & control logig

