ON LIGHT

Eclairage On Light

LIGHT WITHOUT GLARE

COOLED	Real-time temperature monitoring and control
BACK2LIFE	Innovative light fixture refurbish and recycle program
EZ SWAP	Tool-less interchangeable reflector assembly system
	Fast delivery program

PROJECT NAME :	
QUANTITY :	
SPEC TYPE :	
NOTES :	

CARDA

5" ADJUSTABLE LED DOWNLIGHT

257296 C US

5 YEAR WARRANTY

VIRTUALLY NO UV NO IR

RoHS

bridgelux

PRODUCT	DELIVERED LUMENS	COLOR TEMP	CRI	BEAM SPREAD	VOLTAGE	HOUSING COLOR	DIMMING OPTIONS	OTHER OPTIONS
Carda (V18) **Carda** (V29)	**30** 3000 LM (55W) **40** 4000 LM **50** 5000 LM **57** 5700 LM **67** 6700 LM **73** 7300 LM **85** 8500 LM (90W) **97** 9700 LM **109** 10900 LM Nominal value at 3500K & 84 CRI. Lumen value might change at other color temp. See multiplier factor at **ADDITIONAL INFORMATIONS.**	**27** 2700 K **30** 3000 K **35** 3500 K **40** 4000 K Optional : **B** Bread color **M** Meat color **F** Fish color **+** Every Brigdlux color temp. from 1750K to 6500K	**84** **90** (2700 K & 3000 K) **97**** (2700 K & 3000 K) **A** A classe * R9 value of 97 to enhance RED's and an R15 value of 97 to allow for realistic human skin repre-sentation. ** Typical luminous flux reduction : 15% for 90 CRI option & 30% for 97 CRI option.	**SP** 15° **NFL** 24° **FL** 36° **WFL** 60°	**1** 120 V **2** 277 V **3** 347 V	**WH** RAL 9016 white **BK** RAL 9005 black **SL** RAL 9006 silver Optional : **+** Custom color	**ADIM** 0-10V Dimming **DA** Dali	**HCL** Honeycomb louver **LS** Lens **MP** Mounting plate **GF** Goof ring costum diameter **BG** Braket to mount on the ceiling grid to hold the driver

PLACE YOUR ORDER BELOW : **EXEMPLE : CARDA-30-35-90-FL-2S-1-BK-WMT-LS**

CARDA								
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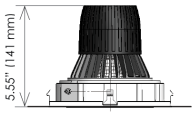
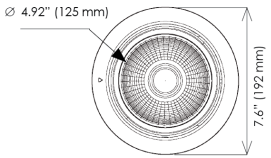
DIMENSIONS

Ceiling opening, single square :	7.1" x 7.1"	(180 mm x 180 mm)
Ceiling opening, double square :	7.1" x 14.3"	(180 mm x 363 mm)
Ceiling opening, triple square :	7.1" x 21.5"	(180 mm x 547 mm)
Ceiling opening, quad square :	14.3" x 14.3"	(363 mm x 363 mm)
Nominal Diameter :	5.6"	(142 mm)
Height :	5.55"	(141 mm) + min. clearance 3 " (76 mm)
Weight Trim :	2.6 lbs	(1.2 kg)
Weight Driver :	1.8 lbs	(0.8 kg)

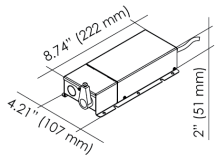
SIDE VIEW



BOTTOM VIEW



DRIVER



ADDITIONAL INFORMATIONS (see next page for more technical information).

- Nominal Efficacy : **107 lm/W** (3500 K / 84 CRI V18).or **123 lm/W** (3500 K / 84 CRI V29).
- Reported Life : **50'000 hrs.** in accordance with IESNA **TM-21-11**.
- **3-Step MacAdam** ellipse color consistency for clean and uniform lighting.
- Photometry conducted by independant **NVLAP** (National Voluntary Laboratory Accreditation. Program) accredited testing laboratory in accordance with IESNA **LM-79-08**.
- Lumen maintenance for luminaire LED's tested by LED chip manufacturer in accordance with IESNA **LM80-08.**
- **5-year warranty** on LED light engine, driver and all lighting fixture components.
- **Multiplier factor** for other color temperature luminous flux at CRI 84: 2700 K (x 0.93), 3000 K (x 0.97), 4000 K (x1.02). Example: 3000 nominal lumen at 2700K = 3000lm x 0.93 = 2760lm at 2700K
- Input watt : **55W** (from 3000 lm to 7300 lm) or **90W** (8500 lm to 10900 lm).

Eclairage On Light • 160-2150 Pierre-Louis Le Tourneux • Beloeil • QC • J3G 0R5 • Canada • Phone : 1 844 664 1212 • info@onlight.ca • www.onlight.ca

ON LIGHT

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CARDA

TECHNICAL PRODUCT SPECIFICATIONS

TRIM HOUSING : Die-cast aluminum housing construction. ΞZ Swap Tool-less interchangeable reflector assembly system between all track and downlight products.

OPTICAL SYSTEM : Tool-less, user-friendly MIRO ® pure aluminum optical reflector assembly available in four beam spreads: 15 °, 24 °, 36 ° & 60 °. Faceted/dimpled reflector ensures clean and uniform beam of light.

ELECTRICAL ENCLOSURE : Metal enclosure with Wago electrical terminal block/connector for easy installation.

LED LIGHT ENGINE : BRIDGELUX 3-Step MacAdam ellipse multi-chip LED cluster Light Engine yields perfect color consistency with clean and uniform beam of light.

LED DRIVER : Proprietary LED driver with closed-loop LED Light Engine temperature monitoring & control system for long-life (Prevents LED Light Engine damage caused by overheating). Power factor: > 97 % at 120 V. Driver output is Class 2 rated.

A CLASS COLOR : A class LED light engine allows to bring out the best with possible.

FISH COLOR : Fish color LED light engine allows to bring out the best color of the fish

MEAT COLOR ; Meat color LED light engine allows to bring out the best color of the meat.

COLOR TEMPERATURE ; Every Bridgelux temperature color available : 1750K, 2000K, 2500K, 2700K, 3000K, 3500K, 4000K, 5000K, 5600K, 5700K, 6500K.

COOLING SYSTEM : COOLΞD Temperature sensor/Integrated Circuit controlled brushless MagLev® fan which features zero friction with no contact between shaft and bearing. Rated acoustic noise: 17 dBA (nearly inaudible). Rated life: 60'000 hrs

CERTIFICATION : CSA certified to US and Canadian safety standards. Photometrically tested by NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. LED Light Engine tested by LED chip manufacturer in accordance with IESNA LM-80-08. Lighting Facts qualified.

UL CERTIFICATION : UL standard 1598 (3 edition) and UL 8750 certification.

FINISH : Roughed textured powder-coated paint finish. Available in RAL 9016 white, RAL 9005 black and RAL 9006 silver.

WEIGHT : Trim : 2.6 lb (1.2 kg)

ENVIRONMENT : Rated for dry locations only. Applications in damp or wet locations will void warranty.

REPORTED LIFE : 50'000 hrs at L77 in accordance with IESNA TM-21-11 (Projecting Long Term Lumen Maintenance of LED Light Sources).

WARRANTY : 5-year comprehensive system warranty (LED Light Engine, LED Driver and luminaire parts).

BACK TO LIFE : Luminaire can be refurbished and if available with a new generation of led and driver.

INPUT WATTAGE : 55 Watt (from 3000 to 7300lm) or 90 Watt (from 8500 to 10900lm).

MADE IN CANADA : Luminaires are assembled in Canada, Montreal.

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