



Project: _____

By: _____

Cat No: _____

Type: _____

Date: _____



DESCRIPTION:

New generation High Bay luminaires :

- ✓ All the required features in a single luminaire
- ✓ Robust and a superior level of efficiency
- ✓ Suitable for multiple applications
- ✓ Eligible for maximum financial aid

FEATURES:

- ✓ Universal input voltage 120 - 347 Vac
- ✓ CCT selectable switch: 3500K-4000K-5000K
- ✓ Lumen output is adjustable with manual dimmer
- ✓ 0-10V dimming
- ✓ Basic luminaire ready to receive an occupancy sensor (optional)
- ✓ Programmable occupancy sensor:
 - ▶ Lighting level in the absence/presence of people
 - ▶ Operation times
- ✓ Simplified maintenance

APPLICATIONS:

- ✓ factories and warehouses
- ✓ Stores, groceries
- ✓ Gymnasium

FLV2 Series

Power	160 / 240W
Lumen	25000 / 40 000 Lm
Input Voltage	120-347 Vac
Length	18" / 30"
CCT selectable switch	3500K / 4000K / 5000K
Lumen selectable with manual dimmer	2500 to 25000 Lm 4000 to 40000 Lm
Occupancy sensor (optional)	Microwave or PIR
Dimming	0-10V
Programmable	Yes with RC-HD05R
CRI	> 80
Certifications	UL / DLC 5.1 Premium

Features

Models	Description
FLV2-160W-CTC-LV-MD	160W / 25 000Lm / 120-347V
FLV2-240W-CTC-LV-MD	240W / 40 000Lm / 120-347V



DLC 5.1 Premium



Programmable

Standard Luminaire
160W version

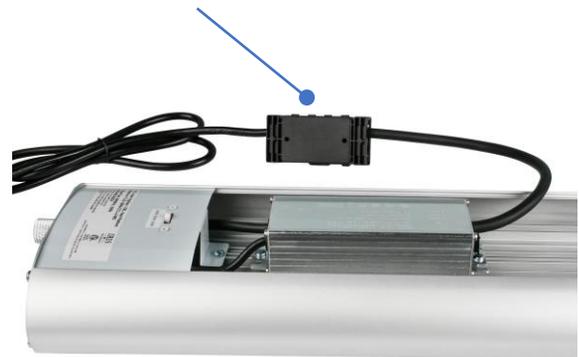


Adjustment of the lighting level directly on the luminaire with a manual dimmer (100 to 10%)



Easy driver replacement thanks to connectors on the DC and AC side

CCT selectable (3500K-4000K-5000K)



Accessories

Option A



Pluggable and programmable occupancy sensor. Supports Microwave and PIR technology. 0-10V dimming

p/n: OS-HD07V

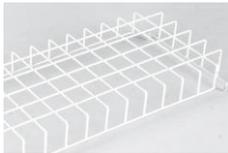
Option B



To program the lighting level in the absence/presence of people and operation times.

p/n: RC-HD05R

Option C



Protective grid

p/n: MDG160 (pour 160W)

p/n: MDG240 (pour 240W)

Hardware

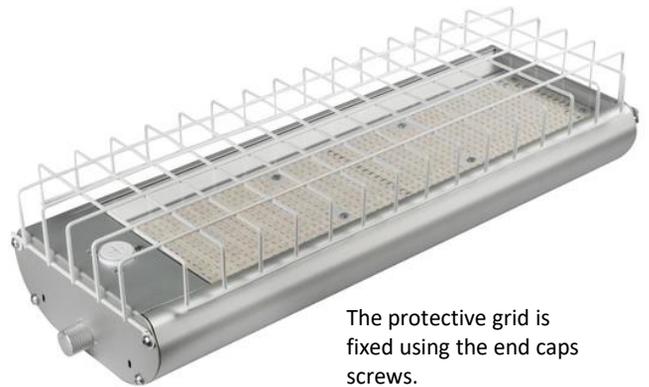


Mounting brackets included

Remove the dust cover and screw in the occupancy sensor

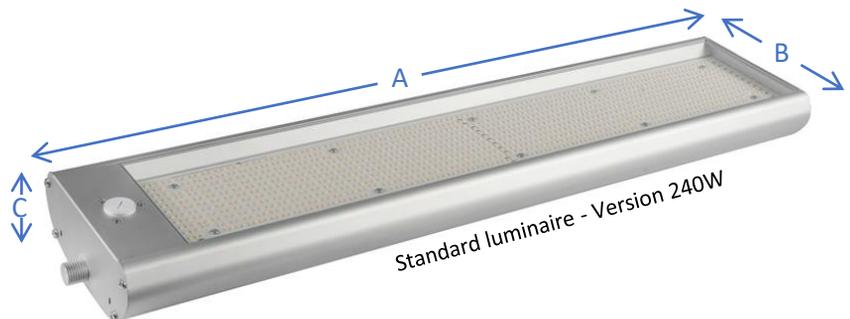


The protective grid is fixed using the end caps screws.

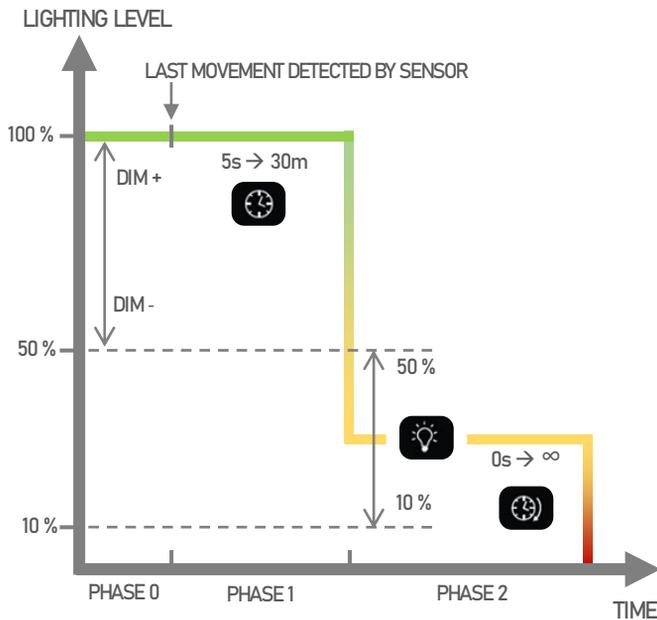


Dimensions (mm/in)

	160W	240W
A	480/19	760/30
B	172/6,8	172/6,8
C	72/2,8	72/2,8



Principle of operation



For more details on the operation and programming of the motion sensor see the **RC-HD05R USER GUIDE**

Phase 0 : As long as a person is detected by the sensor, the luminaire is at its maximum intensity.
Adjustable lighting level with « Power % »

Phase 1 : In the absence of movement, the luminaire will hold its maximum intensity for a selectable duration of 5s / 30s / 1min / 3min / 5min / 10min / 20min / 30min. (hold period)

Phase 2 : If no movement is detected during the hold period, the luminaire will dim to an adjustable intensity of 10% / 20% / 30% / 50% (stand-by period).

The reduced light level will be maintained for a selectable duration of 0s / 10s / 30s / 1min / 5min / 10min / 30min / 60min / - - before going off.

Example:

By adjusting the stand-by period to 0s, the luminaire will turn off directly after the hold period without going through a reduction in lighting.

By adjusting the stand-by period to - -, the light will keep its intensity reduced indefinitely without ever turning off in the absence of movement.

Recommendations for the optimum operation of motion sensors

Maintain a minimum distance of 3 meters between motion sensors.

Suspended fixtures should be installed on rods instead of chains to prevent fixture movement. Movement of the luminaire may trigger false motion detection.

The motion sensor does not differentiate between a human and any other moving objects within its detection zone. So, beware of fans, forced air heating equipment, conveyors or any other equipment that could create movement on objects and thus trigger a false detection

Large reflective surfaces (metal, concrete or glass) near a motion sensor may cause false detections due to microwave reflection off these surfaces.

We recommend a preliminary installation of a few luminaires to validate the performance of the motion sensors in the project environment.

Caution: The installation of a luminaire equipped with a motion sensor does not replace the installation of a night light for security. Light fixtures with a motion sensor are intended to reduce power consumption, not to replace a circuit breaker.

Specifications

DLC Data

FLV2 Series	FLV2-160W-CTC-LV-MD	FLV2-240W-CTC-LV-MD
Power	160 W	240 W
Lumen	25 000 Lm	40 000 Lm
Input Voltage	120-347 Vac 50-60 Hz	
Efficiency	163 Lm/W	169 Lm/W
Operating Temperature	-30 °C to 40 °C	
CCT Selectable	3500K / 4000K / 5000K	
Lumen output selectable via manual dimmer	100% à 10% (10 lighting levels)	
Occupancy Sensor (optional)	Microwave or PIR	
Dimming	0-10V	
Programmable	Yes with RC-HD05R	
CRI	> 80	
Power Factor	> 0.9	
Total Harmonic Distorsion (THD)	< 20%	
Internal Overvoltage Protection	Yes	
LED Life (L70)	> 100 000 Hrs	
Housing	Aluminum extrusion	
Lens	Polycarbonate clear	
Installation	Suspended (chains not-included)	
Weight	2,45 kg / 5,4 lbs	3,45 kg / 7,6 lbs
Certifications	UL / DLC 5.1 Premium	
DLC 5.1 Premium ID	S-ENQSTM	S-W0KDXF

FLV2-160W-CTC-LV-MD		
CCT Nominal	Watt (W)	Lumen (Lm)
3500K	159,1	25 500
4000K	156,6	26 955
5000K	159,8	26 426

FLV2-240W-CTC-LV-MD		
CCT Nominal	Watt (W)	Lumen (Lm)
3500K	239,2	40 500
4000K	238,4	41 902
5000K	239,9	41 615

Item	Description	Commentaires
FLV2-160W-CTC-LV-MD	120-347V / 160W / 25000 Lm	Standard Luminaire
FLV2-240W-CTC-LV-MD	120-347V / 240W / 40000 Lm	Standard Luminaire
OS-HD07V	Occupancy sensor Option A	Optional luminaire is ready to receive the sensor at all times
RC-HD05R	Remote control Option B	Optional minimum of 1 per project if programming required
MDG160	Protective Grid Option C	Optional for 160W version
MDG240	Protective Grid Option C	Optional for 240W version

HD05R Guide d'utilisation (fr)

FLV2 Installation Manual

IRIS
PERFORMANCE

Guide d'Utilisation
Contrôleur à distance Haïsen HD05R (iris p/n: RC-HD05R)

Programmation rapide

La touche « Scene » remplace le programme par défaut d'un

Éclairage par défaut	1	2	3	4	5	Application
Scene	100%	5s	5s	10%	Recharge	Garage

- Appuyez sur [Scene]
- Appuyez sur [1-5] en pointant le luminaire à programmer avec la télécommande

Note: il sera toujours possible de changer des paramètres par la suite

Description des fonctions principales



- On/Off** Pour allumer ou éteindre la lumière ou désactiver la fonction détecteur d'occupation
- PI (Passive Infrared)** Pour alterner entre la technologie micro-onde et PI (Passive Infrarouge)
- Mode** Active le mode détecteur / programmation et ramène les paramètres par défaut d'un
- Touches paramétrables** d'enregistrer les paramètres choisis et de retourner aux luminaires à la portée de la télécommande
- Zone de détection du détecteur d'occupation** 20% - étroit; 100% - large
- Niveau d'éclairage de la période d'attente** Quand la première heure d'éclairage
- Détection de lumière ambiante** Nécessairement d'être que utilisé
- Période de maintien** Temps avant la première heure du niveau d'éclairage
- Période d'attente** Temps avant que le luminaire s'éteigne
- Permet d'augmenter ou réduire le niveau d'éclairage du luminaire lorsqu'une personne est présente.**
- Permet d'augmenter ou diminuer les valeurs.**

Note: la touche « Text (24) » n'est pas utilisée

Installation Guide / Manuel d'installation

WARNING
ELECTRICAL SHOCK HAZARD

AVERTISSEMENT
RISQUE D'ÉLECTROCUTION

Disconnect the electrical supply power at the service panel (fuse or circuit breaker box). Failure to do so could result in serious injury. Only qualified electricians should install this luminaire and the installation must conform to the Canadian Electrical Codes Part 1, NEC and any local codes and ordinances.

Make sure you have the proper tools and materials to complete the installation before attempting to install the luminaire.

Suitable for dry and damp locations. Class 1 wiring connection.

READ and UNDERSTAND these instructions before installing luminaire

LISEZ cette notice et assurez-vous de la **COMPRENDRE** avant d'installer ce luminaire

Couper l'alimentation du courant électrique au panneau de service (boîte de fusibles ou disjoncteurs), sans quoi il pourrait en résulter des blessures sérieuses. Seuls des électriciens qualifiés devraient installer ce luminaire et l'installation doit être conforme au Code Canadien de l'Électronique, 1^{er} Partie, NEC ainsi qu'aux codes et règlements locaux.

Assurez-vous d'avoir les outils et le matériel nécessaires à l'installation avant d'entreprendre celle-ci

Ce luminaire convient aux espaces secs et humides. Connexion de câblage de Classe 1.