

# RUGGEDIZED ROADWAY LUMINAIRE

## DESCRIPTION

The updated HCO v2 Series Ruggedized Roadway Luminaire provides a viable alternative to low performance wall fixtures. Just right engineering provides great luminous efficacy, thermal efficiency and overall reliability in a cost effective package. The HCO v2 series LED Luminaires are engineered for applications requiring medium and high power illumination and great flexibility in a ruggedized platform.

The HCO v2 is manufactured using high purity A383 cast Aluminium, machined on 6 axis to precise tolerances and coated with a proprietary high grade e-coating process delivering increased reliability for use in demanding and harsh applications. The HCO v2 Series provides outstanding corrosion resistance, exceptional thermal conductivity and very good stiffness and weight-to-strength ratio. Additionally the HCO v2 is fully recyclable.

The LED engines employ high performance Philips™ Lumiled® on thin film MCPCB with proprietary reflective coatings. Modular design provides added strength and improved thermal pathways for the LED engines. Complete environmental protection is achieved using superior silicone seals to protect against particulate intrusion and feature zero maintenance cycle requirements.

Engineered with added mechanical strength, the main structure optical fascia is manufactured with an extruded Polycarbonate with practically indestructible properties. The Polycarbonate components are treated to protect against material degradation under UV content exposure, and allow for corrosion/oxidization mitigation. The wide 60x90° distribution pattern provides comprehensive coverage with exceptional uniformity, engineered with a semi cut off to effectively control unwanted spill and light pollution. The HCO v2 provides controlled illumination with superior fixture efficacy.

The HCO v2 Series design effectively resolves the concerns associated with achieving good coverage on roadways and in public spaces with high reliability in a minimal footprint while being cost effective. Available in 5 power levels, with 3 finishes and with photocell and wire guard as options to cover most applications. Mounting is provided via an integrated back box with cable entry on all sides including a JB mount at the rear. The HCO v2 Series Ruggedized Roadway Luminaire is engineered to perform in tough conditions.



## APPLICATIONS

- Roadway
- Warehousing
- Transportation/Rail/Bus
- Parking Structures
- Tunnels, Underpasses
- Service Bays

## HCO v2 SERIES SPECIFICATIONS

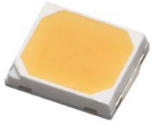
FIXTURE SERIES	POWER	LED TYPE	CCT	DISTRIBUTION	LUMINAIRE EXIT LUMEN	OPERATING VOLTAGE	IP RATING	DIMENSIONS
LR-HCOv2-045W-XX	45W	Philips™ 3030 Lumiled®	4500K ( 3500-6500K avail )	60° x 90°	5,500lm	AC90-277V AC180-508V	IP66	L335 x H137 x D159mm
LR-HCOv2-070W-XX	70W	Philips™ 3030 Lumiled®	4500K ( 3500-6500K avail )	60° x 90°	8,500lm	AC90-277V AC180-508V	IP66	L356 x H158 x D200mm
LR-HCOv2-100W-XX	100W	Philips™ 3030 Lumiled®	4500K ( 3500-6500K avail )	60° x 90°	14,000lm	AC90-277V AC180-508V	IP66	L349 x H157 x D157mm
LR-HCOv2-120W-XX	120W*	Philips™ 3030 Lumiled®	4500K ( 3500-6500K avail )	60° x 90°	16,800lm	AC90-277V AC180-508V	IP66	L370 x H227 x D197mm
LR-HCOv2-150W-XX	150W	Philips™ 3030 Lumiled®	4500K ( 3500-6500K avail )	60° x 90°	21,000lm	AC90-277V AC180-508V	IP66	L370 x H227 x D197mm

\* Optional Power Configuration

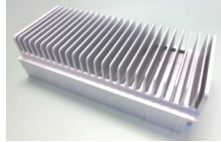




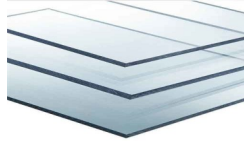
FEATURES



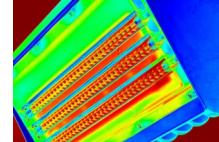
HIGH PERFORMANCE LED ENGINES



A383 CAST HIGH PURITY ALUMINIUM



EXTRUDED POLYCARBONATE



SUPERIOR THERMAL PERFORMANCE



HIGH EFFICIENCY DRIVERS

PRODUCT VIEWS (45W / 70W / 100W / 150W)



45W



70W



100W



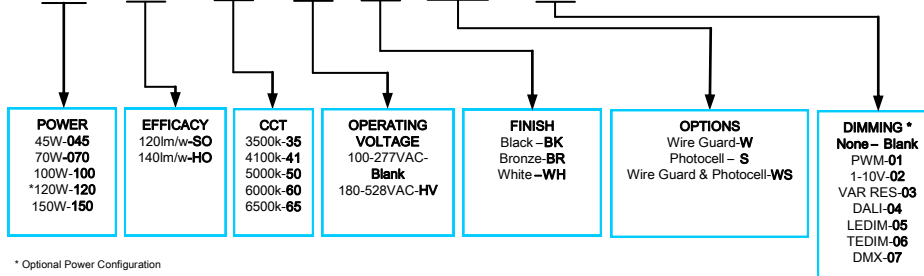
150W



ORDERING INFO: LR-HCOv2 -070-- HO-- 50-- BR-- --

ELECTRICAL SPECIFICATIONS

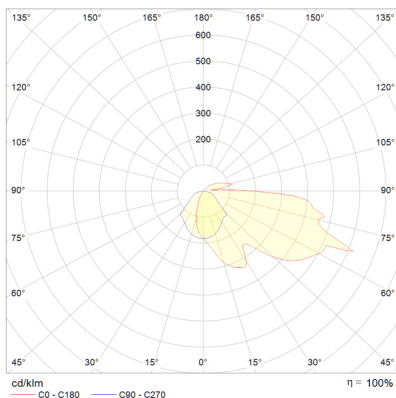
1. Power Input: AC100-277V
2. AC180-528V (Option)
3. Power Factor: ≥94
4. THD: ≤18% @ full Load
5. Wire entry input standard



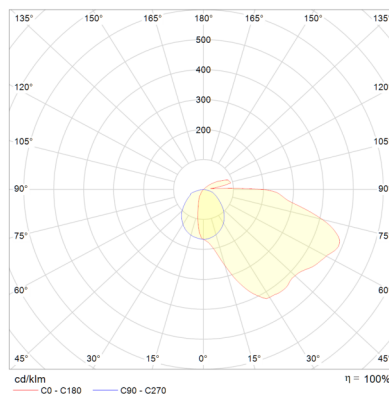
\* Optional Power Configuration

**DIM Control:** 0-5V, 0-10V, 1-10V, 0-20ma, 4-20ma, RS485, RS-232, PWM, RES, LEDIM, TEDIM, DMX512, DMX512/RDM, DALI, Custom  
\* LEDRAYS offers the following dimming options. (Please note not all DIM methods apply to a particular product.)

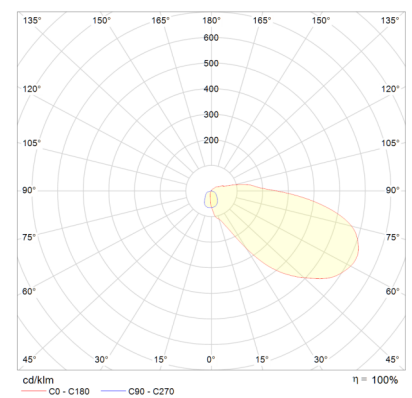
PHOTOMETRIC DISTRIBUTION



45W



70W



100W

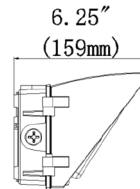
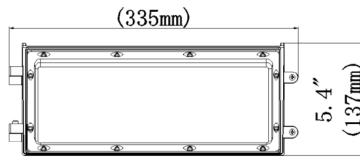




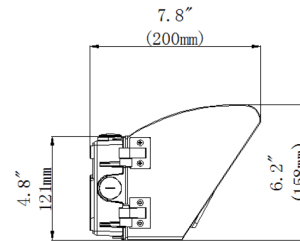
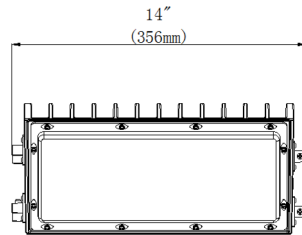
DIMENSIONS mm (± 1.1mm) / WEIGHTS (± 0.3kg/± 0.66lbs)

POWER	DIMENSIONS	WEIGHT
45W	L335 x H137 x D159mm	3.00kg / 6.60lb
70W	L356 x H158 x D200mm	3.50kg / 7.70lb
100W	L349 x H157 x D157mm	4.12kg / 9.06lb
120W-150W	L370 x H227 x D197mm	6.60-6.80kg / 14.52 - 14.96lb

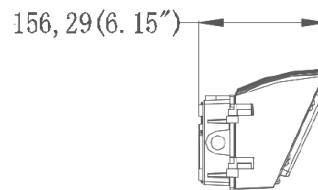
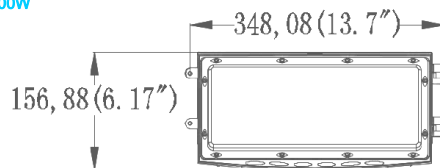
45W



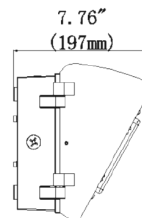
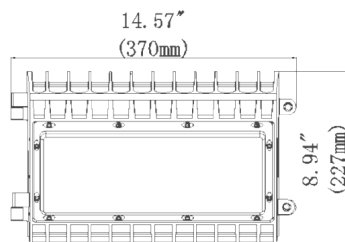
70W



100W



120W — 150W



The specifications in this brochure are representative and must not be interpreted as a guarantee of individual product performance and/or characteristics. LEDRAYS Inc. has a policy of continuous advancements & development specifications may change without notice. Please contact your agent for updates.

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