

Project:	
Type:	
Catalog #:	

IP66



Description

The ORCHID Series is designed specifically to provide reliable illumination in industrial locations with high ceilings and high ambient operating temperatures up to 65°C, such as die-cast facilities, foundries, iron forges, steel mills, power generation, chemical plants hot mills, pulp and paper plants, blast furnaces, etc. These industrial hot mills often experience drastic temperature fluctuations and require an industrial lighting solution with extremely high operating temperatures. ORCHID's superior thermal management system ensures consistent light levels and exceptional efficacy of 160 lm/W in hot environments. The fixture is IP66 rated and wet location listed to withstand wash downs and protect against the ingress of dust, oil and other non-corrosive materials.

Key Features

- High Energy Efficiency 160lm/W.
- Universal voltage 120-277V and 347-480V.
- IP66 Rating.
- 0-10V dimming standard.
- Beam Angle 30°/45°/60°/90° for options.
- Operating temperature: -22°F to 149°F (-30°C to 65°C).
- Triangle heat sink for excellent heat dissipation and dust-proof.
- Clamshell driver compartment for easy maintenance.
- Versatile suspend mounting.
- 0-10V dimming standard.
- 5 years warranty.

Applications

- Heavy manufacturing plants.
- Toll Station and so on.
- Steelworks.
- Refinery.
- Hangers.
- Exhibition Center
- Gymnasium

Electrical Information

Model No.	ORC-20	ORC-40
Power Consumption	200W(±5%)	400W(±3%)
Power Supply	PHILIPS	
Input Voltage	120-277 V/347-480VAC, 50 / 60 Hz	
Power Factor	>0.95	
Surge Protection	6kV line-line, 10kV line-earth	
Driver Type	Constant Current (CC)	
Control	0-10V dimmable	

Optic Information

LED Type	LED 3030	
Luminous Flux (±10%)	32000LM	64000LM
Efficacy(5000K Ra70)	160LM/W	
Correlated Color Temperature	5000K (4000K optional)	
Color Rendering Index	Ra70(Ra80 optional)	
Beam Angle	A (30°) B (45°) C (60°) D (90°)	
UGR level	22	

Lifespan and Warranty

Operating Temperature	-30°C to + 65°C (-22°F to 149°F)
	56000hrs-L90
Life Time of LED @Ta=25°C	126000hrs-L80
	205000hrs-L70
Warranty	5 Years

Ordering Guide

MODEL	WATTAGE		VOLTAGE		CCT		BEAM ANGLE		OPTIONS	
ORC = Linear High Bay	20	200W	LV	120-277V	4K	4000K	A	30°	SPM	Suspension Mount
	40	400W	HV	347-480V	5K	5000K (standard)	B	45°	CLM	Ceiling Mount
							C	60°	SYC	Safety Chain
							D	90°		

Dimensions and Mounting

Product Dimension	760x371x173 (29.92" x 14.60"x6.81")	1164x371x173 (45.82"x 14.60"x6.81")
Luminaire Net Weight	10.7±0.3kg (23.59±0.66Lbs)	15.6±0.3kg (34.39±0.66Lbs)
Export Carton Size	870x460x245mm (34.25" x18.11" x 9.64")	1275x460x245mm (50.20" x18.11" x 9.64")
Gross Weight	13.6±0.03kg (29.98±0.66Lbs)	19.2±0.03kg (42.33±0.66Lbs)
Mounting Option	Suspension mounting	
	Ceiling Mounting	
Material	Housing:Aluminum Alloy	
	Optics:polymethyl methacrylate Optical Lens	
	Cover: Tempered Glass	
Finish	Sandblasting oxidation	
Fixture Color	Aluminum color	
EPA	NA	
IK Rating	IK08	
IP Rating	IP66	

Mounting Options

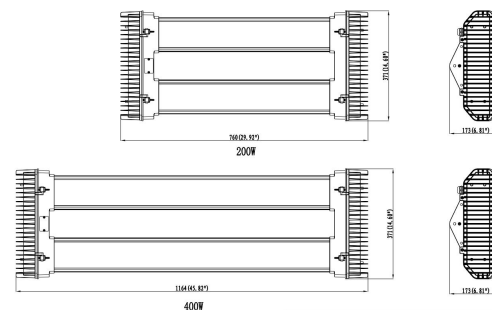


Suspension Mounting

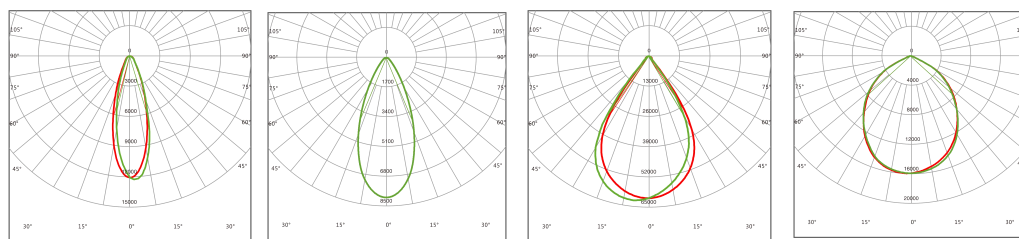


Ceiling Mounting

Dimensions(Unit: mm/inch)



Photometry



A (30°)

B (45°)

C (60°)

D (90°)

Accessories



Optic lens

High transmittance PC materials, UV test approval.

Code: please refer to **Photometry** for different beam angle.



Safety chain

304 stainless steel, available for 0.5m long.



Adjustable ceiling mount bracket

SPCC materials with outdoor powder coating.