

Model Number:

Approvals:

Accessories:

Job:

Type:

DESCRIPTION

TRACE*LITE's second generation TL516-IND-**C series induction high bay is specifically designed for the unique thermal management required by induction lamps and generators. The induction lamp and lens assembly is thermally separated from the enclosure housing the generator. This thermal isolation between the lamp/optic assembly and the generator enclosure ensures that the induction generator can operate at the coolest temperature possible, therefore extending the life and performance of the total induction system.

SPECIFICATIONS**Construction:**

The TL516-IND-**C is constructed of durable, corrosion resistant, die-cast aluminum featuring two integral assemblies designed to thermally isolate the two components that generate heat. The induction generator enclosure is IP65 rated to provide protection from dust and spraying water as well as to allow for proper heat dissipation. The induction lamp is housed in the IP53 optic/lens assembly and is thermally isolated from the generator enclosure maximizing heat dissipation allowing the end-user to benefit from the full 100,000hr+ lifetime performance potential of the induction system.

Optics:

The TL516-IND-**C is available with three (3) sizes of acrylic refractors all of which feature an acrylic conical lens. The acrylic refractor is sized according to the wattage specified, the 80w and 100w uses a 16" diameter refractor, the 120w thru 250w uses a 20" diameter refractor and the 300w and 400w uses a 22" diameter refractor. The bottom conical lens provides diffusion and distribution of light with excellent efficiency the acrylic conical lens also provides an additional level of physical protection for the induction lamp.

Electrical:

The TL516-IND-**C utilizes an electronic generator that produces a high frequency current that is controlled by an integrated circuit (IC) chip allowing for a power factor up to 96% with a THD of >10%. The TL516-IND-**C has a standard input of 120~277VAC 50/60Hz that generates a low 250KHz operating frequency and meets FCC and CE certification for EMC electromagnetic compatibility.

Lamps:

The TRACE*LITE TL516-IND-**C series is available with a choice wattages that can replace traditional HID high bay wattages from 175w to 1000w. The TL516-IND-**C is offered with 80w to 400w induction lamps (see table on page 2 for complete lamp performances). The induction lamps used in the TL516-IND-**C provide an excellent CRI of >80 and maintain nearly 70% of the lamp's initial lumen output after 100,000 hours of operation. Standard CCT is 5000K, consult factory for availability of other color temperatures. Induction lamps provide great improvement over traditional HID lamps because induction lamps deliver immediate light upon energizing and do not require hot re-strike time delays, meaning that induction lamps do not need any 'cool down' time before they can be re-energized and provide light.

Installation:

TRACE*LITE's TL516-IND-**C is ideal for mounting using the standard ½" hook that is provided or can be suspended using standard ½" pendant mounts and accessories. The TL516-IND-**C has a 3' line cord installed and is designed for easy installation by a single person which can translate to substantial labor savings over the course of an entire job. A 6' steel safety cable with a carabineer style fastener is included standard.

Dimming (Option: DIMOS & DIM010V):

The TL516-IND-**C series from TRACE*LITE is available with two different dimming options. The "DIMOS" provides a step dimming option for fixed outputs of 0%/50%/100% and is controlled by a provided PIR occupancy sensor. The "DIM010V" option includes an induction generator that has 0-10V control leads and is for applications requiring a high bay luminaire capable of 0-10V dimming. The 0-10V dimming control system or dimming device is provided by others. The two (2) available dimming options allow the TL516-IND-**C to qualify for many energy rebate programs across the country which can dramatically help to offset initial systems costs.



SPECIFICATIONS ARE SUBJECT
TO CHANGE WITHOUT NOTICE

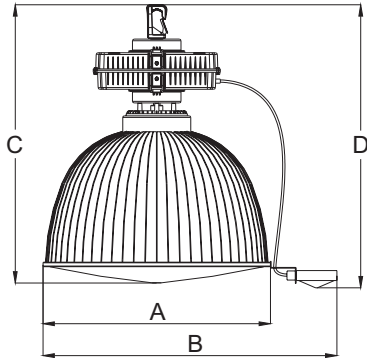
Warranty:

Any housing component that fails due to manufacturer's defect is guaranteed for two years from time of shipment. Induction lamps and generators are not manufactured by TRACE*LITE and will be warranted by the manufacturer for a period of five years. TRACE*LITE will act as an agent for these suppliers and assist in any way possible. Warranty does not apply to damages caused by improper installation, abuse, fire, or acts of God.

Electrical Specifications

Lamp Wattage	Optic Diameter	Replaces HID (W)	Power Factor	Max Watts	Amps @ 120V	Amps @277V	Min. Temp	Max Temp	Operating Freq.	Initial Lumens	CCT	CRI	Rated Lamp Life
80W	16"	175W	>96%	88W	0.73	0.32	-25°C (-13°F)	40°C (104°F)	250kHz	6000	5000K	≥80	100,000 Hour
100W		250W		110W	0.92	0.40				7500			
120W	20"	320W		122W	1.02	0.44				9600			
150W		400W		165W	1.38	.060				12000			
200W		400W		220W	1.83	0.79				17000			
250W		750W		275W	2.29	0.99				21250			
300W	22"	750W		330W	2.75	1.19				25500			
400W		1000W		440W	3.67	1.59				34000			

Dimensions

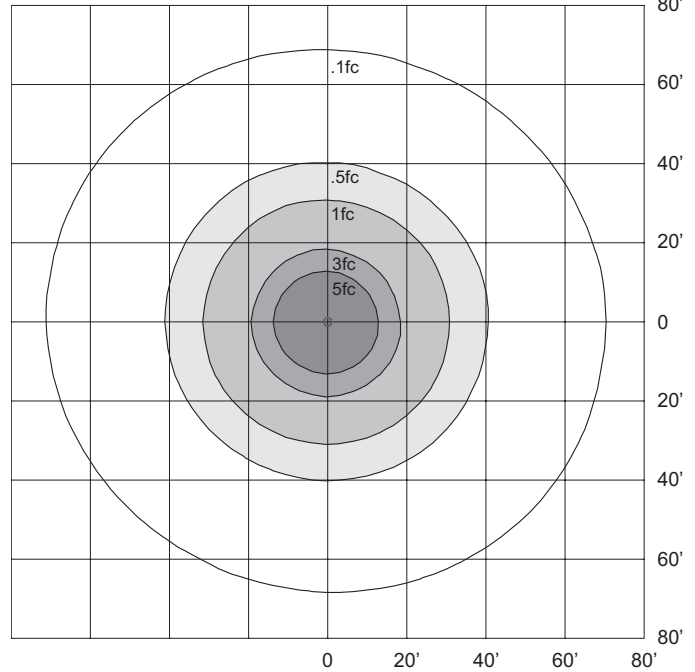


Wattage	A	B	C	D
80-100W	16.93"	22.70"	22.91"	23.35"
125-250W	20.31"	26.08"	24.53"	24.56"
300-400W	23.82"	29.59"	25.63"	26.06"

Approximate Weight: 17 lbs.

Sample Photometrics

TL516-22C-IND-400 Mounted at 20'



Ordering Information

Example: TL516-IND-22C-400-U-DIMOS

Series	Lamp	Optic Options / Lamp Wattage	Input Voltage
TL516	IND = Induction	16C-80 = 80 Watts, 16" Acrylic Refractor, Conical Lens	U = Universal 120~277VAC
		16C-100 = 100 Watts, 16" Acrylic Refractor, Conical Lens	
		20C-120 = 120 Watts, 20" Acrylic Refractor, Conical Lens	
		20C-150 = 150 Watts, 20" Acrylic Refractor, Conical Lens	Options
		20C-200 = 200 Watts, 20" Acrylic Refractor, Conical Lens	SZXXX ¹ = Single Line Side Fuse (120 or 277V)
		20C-250 = 250 Watts, 20" Acrylic Refractor, Conical Lens	DIMOS = Step Dimming w/ Occupancy Sensor (0%/50%/100%)
		22C-300 = 300 Watts, 22" Acrylic Refractor, Conical Lens	DIM010V ² = 0-10V Dimming
		22C-400 = 400 Watts, 22" Acrylic Refractor, Conical Lens	10YW = 10 Year Warranty
Notes			

¹ Specify voltage

² 0-10V dimming capable, control provided by others

Details of 0-10V Dimming

10VDC	9VDC	8VDC	7VDC	6VDC	5VDC	4VDC	3VDC	2VDC	1VDC	0VDC
100%	95%	90%	85%	80%	75%	70%	65%	60%	55%	50%



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