FEATURES
- Four lumen outputs provide up to 90,000 lumens
- Choice of four optics (Very Narrow, Narrow, Medium and Very Wide) for optimal light distribution in a variety of applications.
- Luminaire can be ordered with Cable or Bracket mounting accessories
- Separate field wiring compartment with screw terminal block for easy and secure connection (can accept 0.14 - 6 mm² (26 - 10 AWG) wire)
- Four 3/4 in. NPT side entries provided with three close-up plugs. Optional M20 metric adapters available
- Choice of color temperature (CCT): 5000K cool white, 4000K neutral white, or 3000K warm white
- Reported L70 is >60,000 hours at +65°C (+149 °F)
- Rugged housing with superior thermal design translates to long luminaire life
- Heavy duty, high temperature silicone rubber gaskets
- Thermal shock and impact resistant clear polycarbonate lens
- Standard 8 kV/4 kA surge protection
- Captive fasteners secure driver compartment cover
- 0-10 Vdc Dimming capable
- Field replaceable LED drivers
- Photometric data and electronic drawings available upon request

WARRANTY
- 10 year standard warranty.

TYPICAL APPLICATIONS
- Powerful, efficient weatherproof lighting for applications such as:
  — Steel Production Plants
  — Power Generation Facilities
  — Foundries
  — Cement, Stone and Sand Plants
  — Pulp and Paper Mills
  — Ship Building and Shipping Ports
  — Hydrogen and Biofuels plants
  — LNG (Liquid Natural Gas) plants
  — Other areas where corrosive, wet, dirty and tough environments are a problem
- High ceilings of 15 meters (50 feet) to greater than 30 meters (100 feet)
- IP66, Type 4X, marine and wet locations
- Locations requiring dependable, consistent lighting in extreme hot/cold temperature environments
- -40 °C to +75 °C (-40 °F to +167 °F) ambient temperature range
- Globally rated luminaires with all applicable certification labels for NEC,CEC, NOM, IECEE CB, CE and UKCA environments. See catalog pages for details
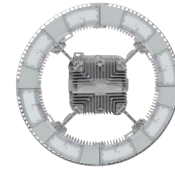
LUMINAIRE MATERIALS
- Housing, LED heatsink, and driver compartment cover: copperfree (4/10 of 1% max.) aluminum
- Bracket: zinc plated steel
- Gaskets: silicone rubber
- Exterior hardware: stainless steel
- Close up plugs: aluminum
- Cable mount components: stainless steel
- Safety cable: stainless steel
- Housing, LED heatsink, driver compartment cover and bracket: electrostatically applied gray epoxy powder coat finish
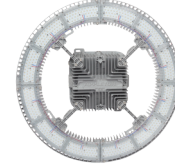
ACCESSORIES (PURCHASE SEPARATELY)
- Cable Mounting Assembly: IHCCABLE
- Bracket Mounting Kit: IHCBRKTL
- Safety Cable — 1.22 m (4 ft): LEDSC
- Safety Cable — 2.44 m (8 ft): LEDSC8
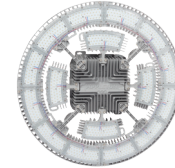- Safety Support Hooks: FHLM-75

NEC/CEC/NOM LISTINGS
- Type 3R, 4, 4X | IP66 | Marine Outside Type (Salt Water) for USA ONLY | Wet Locations

IHC*5 to IHC*6

IHC*7

IHC*9

IECEE CB LISTINGS
- IP66

NOTABLE LISTINGS
- CE
- UKCA
- ABS Certified
- DLC Listed
- Vibration Rating: 3G, 2 hours, 3 axis at first mode resonant frequency

PRODUCT SPECIFICATIONS

Series * Lumen Output	IHC*5	IHC*6	IHC*7	IHC*9
Nominal Wattage (W, @120 V)	360	420	550	640
Nominal Lumens ❶	50,000	60,000	75,000	90,000
Efficacy	140	146	139	144
Color Temperature (CCT) (K)	5000/4000/3000			
Color Rendering Index (CRI)	≥ 70 CRI (5000K) | ≥ 80 CRI (4000K / 3000K)			
Voltage	120-277 Vac, 50/60 Hz; 125-300 Vdc | 277-480 Vac, 50/60 Hz			
Dimming	0-10 Vdc			
Surge Protection	Standard: 8 kV/4 kA | Optional: 10 kV/5 kA and 20 kV/10 kA			
L70 Lifetime (hrs, reported)	> 60,000 hours @ +65 °C (+149 °F)			
Ambient Temperature ❷	-40 °C to +75 °C (-40 °F to +167 °F)	-40 °C to +70 °C (-40 °F to +158 °F)	-40 °C to +70 °C (-40 °F to +158 °F)	-40 °C to +65 °C (-40 °F to +149 °F)
Fixture Weight - kg (lbs)	26.0 (57.4)	26.9 (59.3)	28.2 (62.2)	32.7 (72.0)
Replaceable Parts	Drivers			

❶ *Nominal lumens based on Type V - Medium optics, 5000K CCT with clear polycarbonate lens. Refer to catalog pages for detailed performance.*
❷ *Refer to catalog pages for the maximum ambient temperature rating per driver type and voltage range.*

APPLETON™

For product information:
www.masteringled.com
1.800.621.1506

EMERSON™

CONSIDER IT SOLVED™

Project Information

Part Number: _____   Date: _____

Project: _____

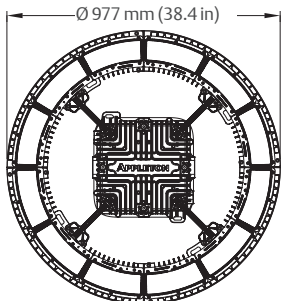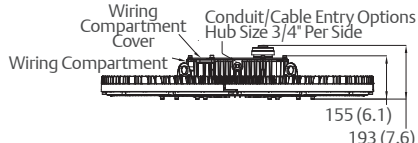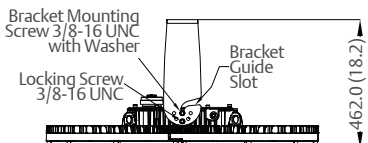Fixture Type: _____

Specifications

_____

_____

_____

CATALOG NUMBERING GUIDE

Series Prefix | Mounting | Lumen (nominal) | Hub Size | Color Temperature | Lens Material | Light Distribution Pattern | Voltage | Color | Surge Protection Options | Pre-Wired Options | Control Options

| IHC | | | | | P | | G | | |

SERIES PREFIX:

IHC	IHC LED Series

MOUNTING:

N	No Mount
C	Cable
B	Bracket

LUMEN (NOMINAL):

5	50,000
6	60,000
7	75,000
9	90,000

HUB SIZE:

2	3/4" NPT Threaded Entry
0	M20 Metric Adapter

COLOR TEMPERATURE (CCT): ‡

C	Cool, 5000K
N	Neutral, 4000K
W	Warm, 3000K

LENS MATERIAL:

P	Clear Polycarbonate

LIGHT DISTRIBUTION PATTERN:

V	Very Narrow
N	Narrow
M	Medium
W	Very Wide (Non-optic)

VOLTAGE:

BU	120-277 Vac, 50/60 Hz; 125-300 Vdc
BH	277-480 Vac, 50/60 Hz ①

COLOR:

G	Appleton Gray (Standard)

SURGE PROTECTION OPTIONS: ②

Blank	8 kV Standard
1	10 kV
2	20 kV

PRE-WIRED OPTIONS: ③

Blank	No Pre-Wired Options
P	Pre-wired (10 Foot Cord; 3 Conductors; Power without Dimming)
D	Pre-wired ④ (10 Foot Cord; 5 Conductors; Power and Dimming)

CONTROL OPTIONS:

Blank	No Controls
5	5 Pin NEMA Socket for Photocontrol (Dimming Capable) Receptacle (120-480V) with Shorting Cap

① *Select BH for 277 Vac installations in facilities with power quality concerns. BH option designed with high ground fault protection and protects against dropped neutral occurrences.*
② *Additional Surge Protection Certifications:*
   10kV BU: NEC, CEC, CE/UKCA
   10kV BH: NEC, CEC
   20kV BU: NEC, CEC, CE/UKCA
   20kV BH: NEC, CEC
③ *Pre-Wired Options only available per cULus Certification. Options not available per IECEE Certification.*
④ *Pre-Wired Option "D" cannot be selected with Control Option "5".*

DIMENSIONAL DRAWINGS ❶ | MILLIMETERS (INCHES)

IHC*5 to IHC*9

Front

Ø 977 mm (38.4 in)

Side — No Mount

Wiring Compartment Cover
Wiring Compartment
Conduit/Cable Entry Options Hub Size 3/4" Per Side
155 (6.1)
193 (7.6)

Side — With Mount

Bracket Mounting Screw 3/8-16 UNC with Washer
Locking Screw 3/8-16 UNC
Bracket Guide Slot
462.0 (18.2)

❶ *Refer to catalog pages or the Product Drawing configurator page for additional dimensional information; available on www.masteringled.com.*

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