DATE: 01/12/2023 FIRMWARE: N/A ERP CODE: 10.01518,10.01519,10.01537
VERSION: 1.0 CATALOG#: C

LUMENATIV

BH4 Series Receptacles

BH4S

BH4

BH4W

PENDING PATENTED PENDING

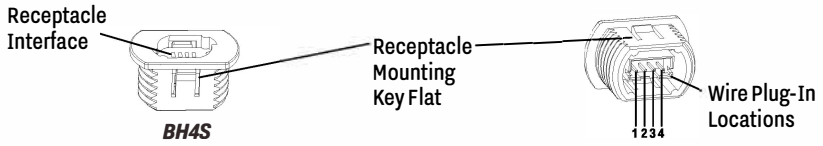
SUPPORTS T24 COMPLIANCE Bluetooth RoHS COMPLIANT

MODEL	DESCRIPTION
BH4S	Non-waterproof receptacle for low bays, panels
BH4	Non-waterproof receptacle for high bays (includes sealing ring and nut)
BH4W	Waterproof receptacle for high bays (includes sealing ring ,washer and nut)

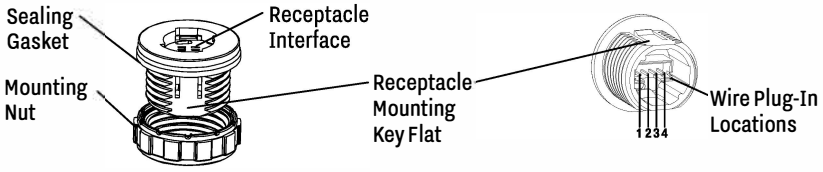
INTRODUCTION

Lumenativ BH4 Series receptacles are 4-pin low profile components designed as connection ports for the attachment of luminaire level lighting controls (LLLC) on commercial indoor and outdoor luminaires. The receptacles provide ports on the luminaires for simple and reliable sensor and controller attachment.

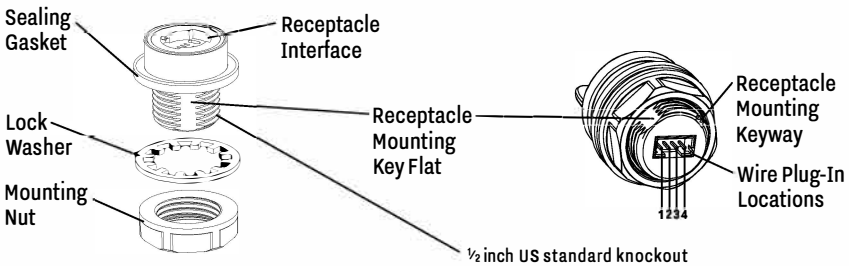
- Low-profile design with minimal depth into housing and minimal height above luminaire
- Waterproof version offers UV-Resistant high-impact rated covers to fully seal and protect the receptacles
- 4-pins allow Color Tuning functionality



BH4S



BH4



BH4W

THREAD DIMENSIONS		
Size	T.P.I (inch)	Major Dia. (inch)
R1/2	14	0.825

SPECIFICATIONS

Contact Rating: DC 12V

BH4S:
Mounting: R1/2-14 thread
Height Above Luminaire: 1.5mm
Receptacle: Ø25.4mm
Thread Length: 10mm
Polycarbonate Receptacle
Indoor Use Only
Operating Temperature: -30°C to 65°C, -22°F to 149°F
IP Rating: IP20
Dry and Damp Locations
Color: White

BH4:
Mounting: R1/2-14 thread
Height Above Luminaire: 3mm
Receptacle: Ø25.4mm
LSR Gasket: Ø26mm
Thread Length: 15mm
Polycarbonate Receptacle
Indoor Use Only
Operating Temperature: -30°C to 65°C, -22°F to 149°F
IP Rating: IP20
Dry and Damp Locations
Color: White

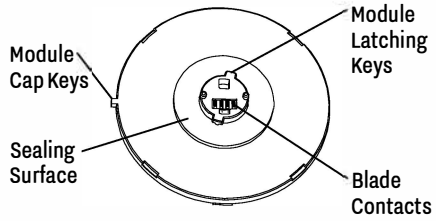
BH4W:
Mounting: R1/2-14 thread
Height Above Luminaire: 10mm
Receptacle: Ø25.4mm
LSR Gasket: Ø32mm
Thread Length: 16.5mm
Nylon Receptacle
UL UV-f1 rated for outdoor use
Indoor / Outdoor Use
Operating Temperature: -40°C to 80°C, -40°F to 176°F
IP Rating: IP66
Wet Location
Color: Black

Storage Temperature: -40°C to 80°C, -40°F to 176°F
Warranty: 5 years warranty
Complies to RoHS

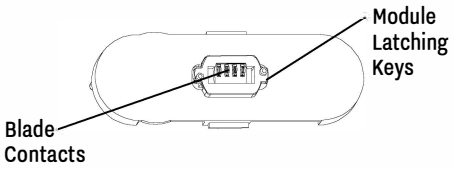
LUMENATIV

INTRODUCTION

Module

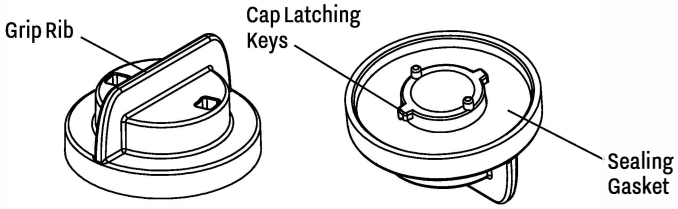


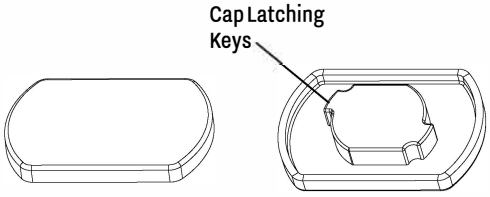
High Bay Module



Panel/Low Bay Module

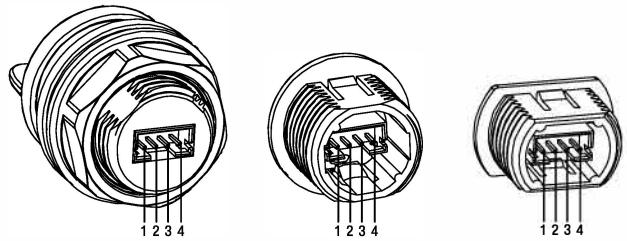
Sealing Cap





WIRE CONNECTIONS

The receptacle is wired on the bottom side of the assembly, accessed from the inside of the luminaire. Wire entry locations are labeled 1, 2, 3, and 4. Corresponding contact designations are marked the same on the module bases for PCB alignment.

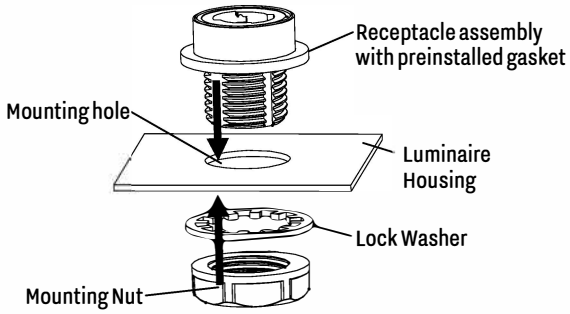


PIN NUMBER	FUNCTION
1	DIM+
2	12V+ POWER SUPPLY
3	12V-/DIM-
4	CCT+

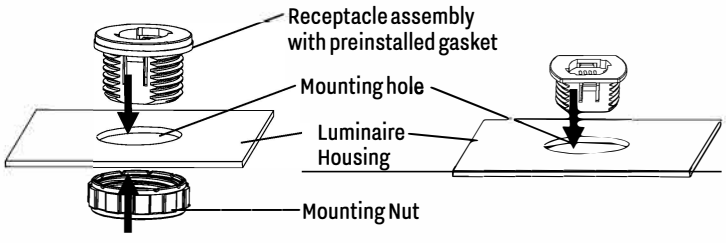
RECEPTACLE MOUNTING

A. Mounting

When mounting receptacle assembly, ensure item does not rotate during lock washer and mounting nut application.



Outdoor Luminaire

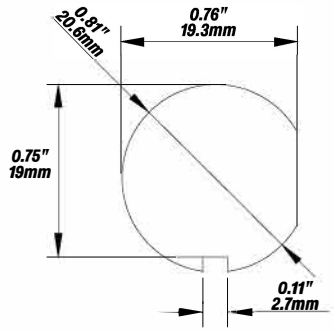


Indoor Luminaire

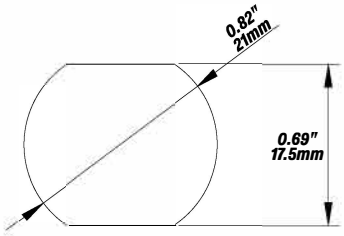
B. Mounting Hole Pattern

The recommended mounting hole pattern is shown in the following. Refer to product drawing for additional details.

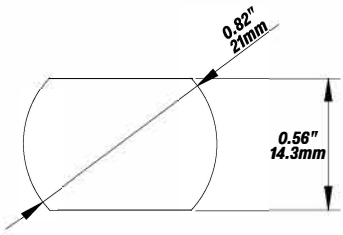
Unit:inch/mm



BH4W
THICKNESS:1.5 to 4.0mm
0.059" to 0.23"



BH4
THICKNESS:0.7 to 4mm
0.0276" to 0.0354"



BH4S
THICKNESS:0.7 to 0.9mm
0.0276" to 0.0354"

C. Mounting Location and Orientation

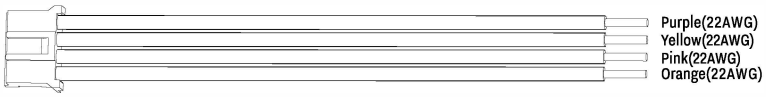
Locate the receptacle in any orientation based on your module operation requirements.

D. Workmanship

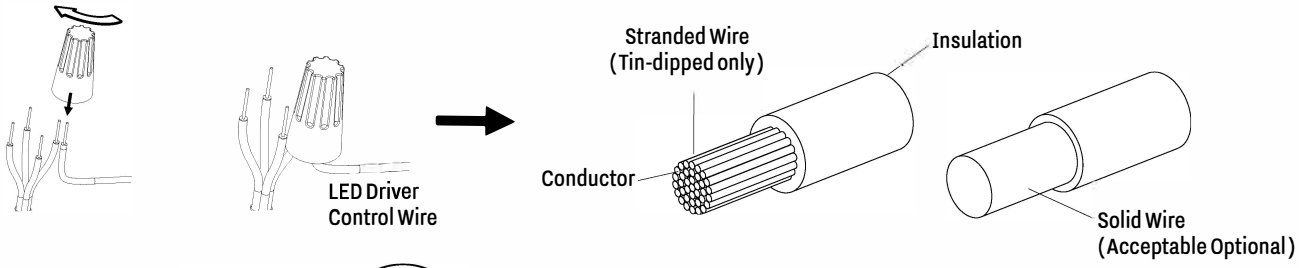
The receptacle housing and sealing gasket must not be damaged in any way. There shall be no nicks or marks on gasket top and bottom surfaces.

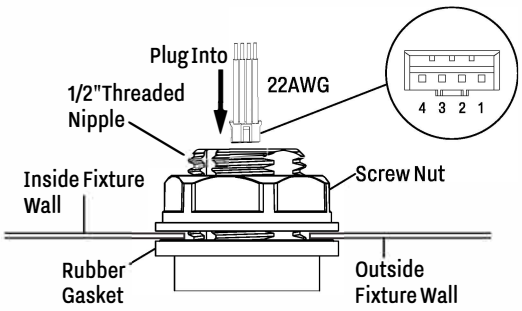
FIXTURE WIRE SELECTION AND PREPARATION

Details for luminaire wire:



ERP CODE	MODEL NUMBER	DESC
10.01504	DC30	1007 22AWG 300V 80℃ Length:300mm, 4pin PH2.0 on left side, diptin 10mm on right side.
10.01505	DC60	1007 22AWG 300V 80℃ Length:600mm, 4pin PH2.0 on left side, dip tin 10mm on right side.
10.01506	DC120	1007 22AWG 300V 80℃ Length:1200mm, 4pin PH2.0 on left side, dip tin10mm on right side.

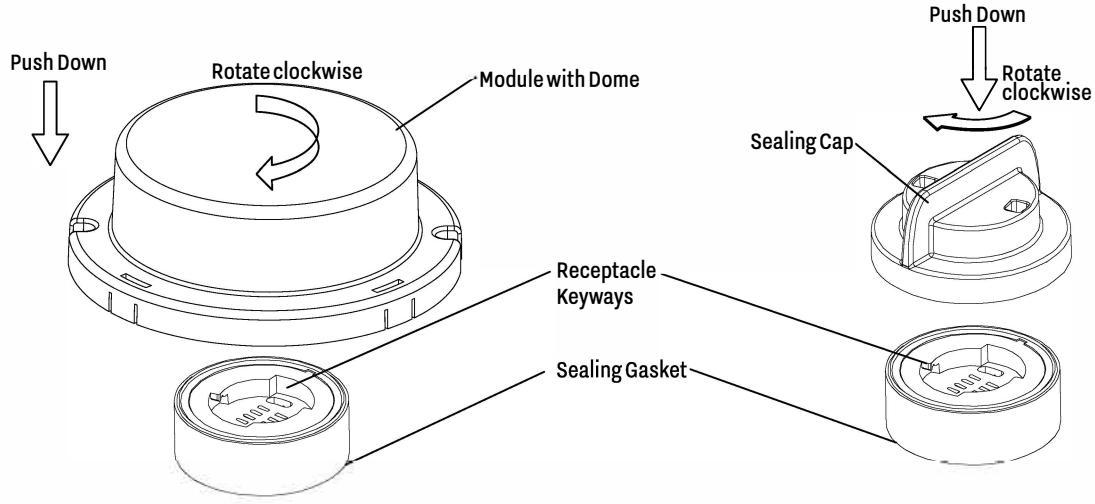


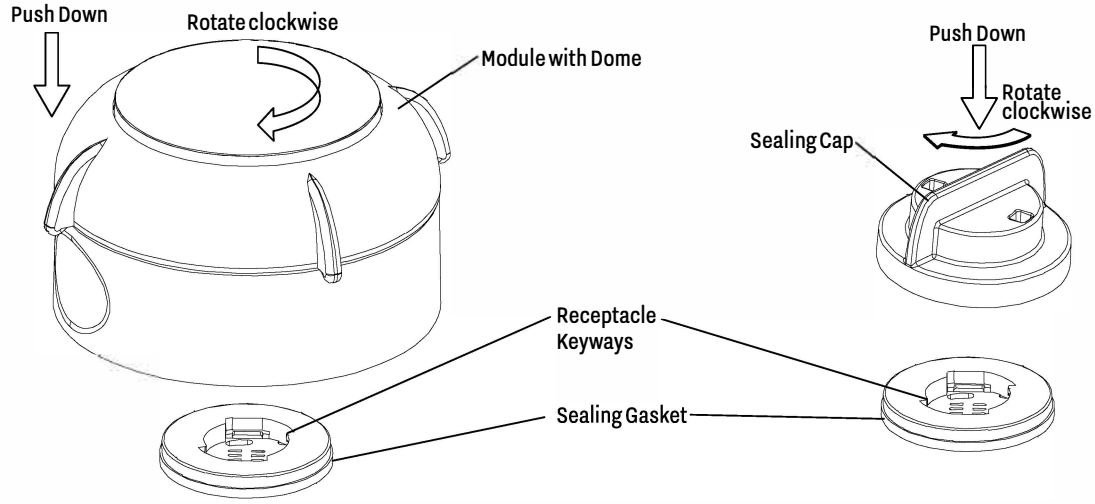


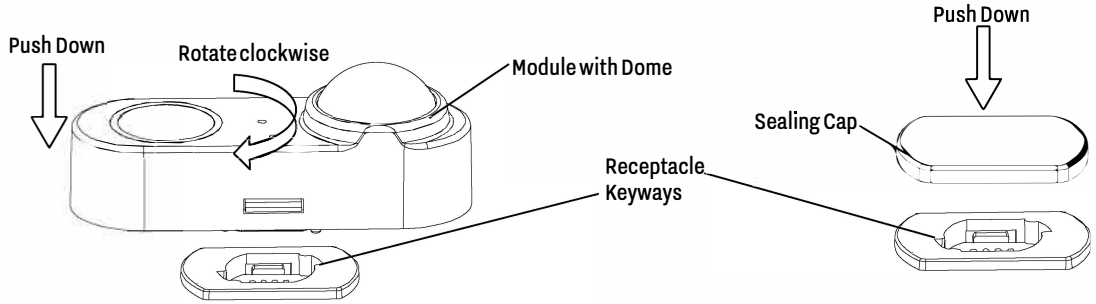
RECOMMENDED WIRE		
WIRE SIZE	**WIRE TYPE**	**STRIP LENGTH**
18-24AWG	SOLID	11.0±1.0mm
	STRANDED(TIN-DIPPED)	

MATING AND UN-MATING MODULE AND/OR SEALING CAP TO RECEPTACLE

Align the sensor or sealing cap over the mounted receptacle. Based on polarity features on each, the sensor or sealing cap can only be installed in one position. Lightly rotate the sensor or sealing cap until you feel the alignment keys and the blades align to the proper location. Complete mating by rotating sensor or sealing cap by twisting in a clockwise direction. The sensor or sealing cap will lock into position with a click. To un-mate, gently reverse the aforementioned mating process.







REPLACEMENT AND REPAIR

The contacts and housings are not repairable. DO NOT use an assembly with damaged or defective contacts and/or housings. If damaged, replace the receptacle assembly or module assembly with a new one.