

RAB Lighting H17B

RAB Lighting H17B Field Adjustable LED Highbay

INSTRUCTION MANUAL

Model: H17B

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your RAB Lighting H17B Field Adjustable LED Highbay. Please read these instructions thoroughly before installation and retain them for future reference. The H17B high bay is designed to be compact yet deliver high light output, suitable for replacing traditional high-wattage metal halide fixtures.

2. IMPORTANT SAFETY INFORMATION

- Always disconnect power before installation, servicing, or cleaning.
- Installation must be performed by a qualified electrician in accordance with all national and local electrical codes.
- Ensure the mounting surface can support the weight of the fixture.
- Do not operate the fixture with damaged wiring or components.
- This fixture is suitable for wet locations and has an Ingress Protection rating of IP65 for dust and water.
- Avoid direct eye exposure to the light source when the fixture is operating.

3. WHAT'S IN THE BOX

Verify that all components are present and undamaged upon unpacking:

- LED Fixture (1)
- Hanging Hook (pre-installed)
- 6-foot Cord (pre-installed)



Image 1: RAB H17B LED Highbay, showing the main unit with the pre-installed hanging hook and cord.

4. SETUP AND INSTALLATION

4.1 Mounting the Fixture

The H17B Highbay comes standard with a heavy-duty hanging hook for suspension mounting. Ensure the mounting structure is capable of safely supporting the fixture's weight (approximately 4.7 pounds).

1. Securely attach the hanging hook to a suitable ceiling hook or support structure.
2. Alternatively, the fixture is capable of 3/4"-14 NPT pendant mounting (pendant by others).



Image 2: Side view of the RAB H17B LED Highbay, highlighting the robust hanging hook mechanism for secure installation.

4.2 Electrical Connection

The fixture operates on 120-277 Volt AC power. The pre-installed 6-foot cord is provided for connection to the main power supply. The driver includes wiring for 0-10V dimming systems.

1. Connect the fixture's power cord to a suitable power source, ensuring proper grounding.
2. If utilizing 0-10V dimming, connect the dimming wires to a compatible 0-10V dimming control system.
3. Ensure all connections are secure and insulated according to electrical codes.

4.3 Field Adjustment of CCT and Wattage

The H17B Highbay features field-selectable Correlated Color Temperature (CCT) and wattage settings. These adjustments are typically made before final installation or commissioning.

- **CCT Selection:** Choose between 3000K (Warm White), 4000K (Neutral White), or 5000K (Cool White) using the selector switch located on the fixture.
- **Wattage Selection:** Adjust the light output by selecting 100W, 120W, or 150W using the wattage selector switch. This impacts the lumen output, ranging from 15,317 to 22,224 lumens.

Refer to the markings on the fixture for the exact location of these selector switches.

5. OPERATION

5.1 Basic Operation

Once properly installed and connected to power, the H17B Highbay will illuminate when power is supplied. The selected CCT and wattage settings will determine the light output characteristics.

5.2 Dimming Functionality

The fixture supports 0-10V dimming. When connected to a compatible 0-10V dimming system, the light output can be adjusted smoothly, dimming as low as 10% of its maximum output.

- Ensure your 0-10V dimmer is compatible with LED drivers.
- Follow the dimmer manufacturer's instructions for operation.

6. MAINTENANCE

The RAB H17B LED Highbay is designed for minimal maintenance. Regular cleaning and inspection will help ensure optimal performance and longevity.

6.1 Cleaning

- Disconnect power before cleaning.
- Clean the exterior surfaces with a soft, damp cloth.
- Do not use abrasive cleaners, solvents, or cleaners containing ammonia, as these can damage the finish or optical components.

6.2 Inspection

- Periodically inspect the fixture for any signs of physical damage, loose connections, or wear.
- Ensure mounting hardware remains secure.
- If any damage is observed, disconnect power and contact a qualified technician for repair or replacement.

7. TROUBLESHOOTING

Before attempting any troubleshooting, ensure power is disconnected to the fixture.

Problem	Possible Cause	Solution
Fixture does not illuminate	No power supply; Loose wiring; Faulty fixture.	Check circuit breaker/fuse; Verify all electrical connections; Contact RAB Lighting support if problem persists.
Light output is too low/high	Incorrect wattage setting; Dimmer setting too low/high.	Adjust wattage selector switch; Adjust 0-10V dimmer setting.
Incorrect light color (CCT)	Incorrect CCT setting.	Adjust CCT selector switch.
Flickering light	Unstable power supply; Incompatible dimmer; Loose connection.	Check power source stability; Ensure dimmer compatibility; Verify wiring connections.

8. SPECIFICATIONS

Feature	Detail
Model Name	H17B

Feature	Detail
Brand	RAB Lighting
Light Type	LED
Wattage (Selectable)	100W / 120W / 150W
Lumen Output	15,317 - 22,224 Lumens (depending on wattage)
CCT (Selectable)	3000K / 4000K / 5000K
Voltage	120-277 Volts
Dimming	0-10V (dims to 10%)
Ingress Protection (IP) Rating	IP65 (Suitable for wet locations)
Material	Aluminum
Color	Black
CRI	85
Mounting	Hanging Hook (standard), 3/4"-14 NPT Pendant (optional, by others)
Product Dimensions	10.25"W x 7.38"H
Item Weight	4.7 Pounds
Certifications	UL Listed

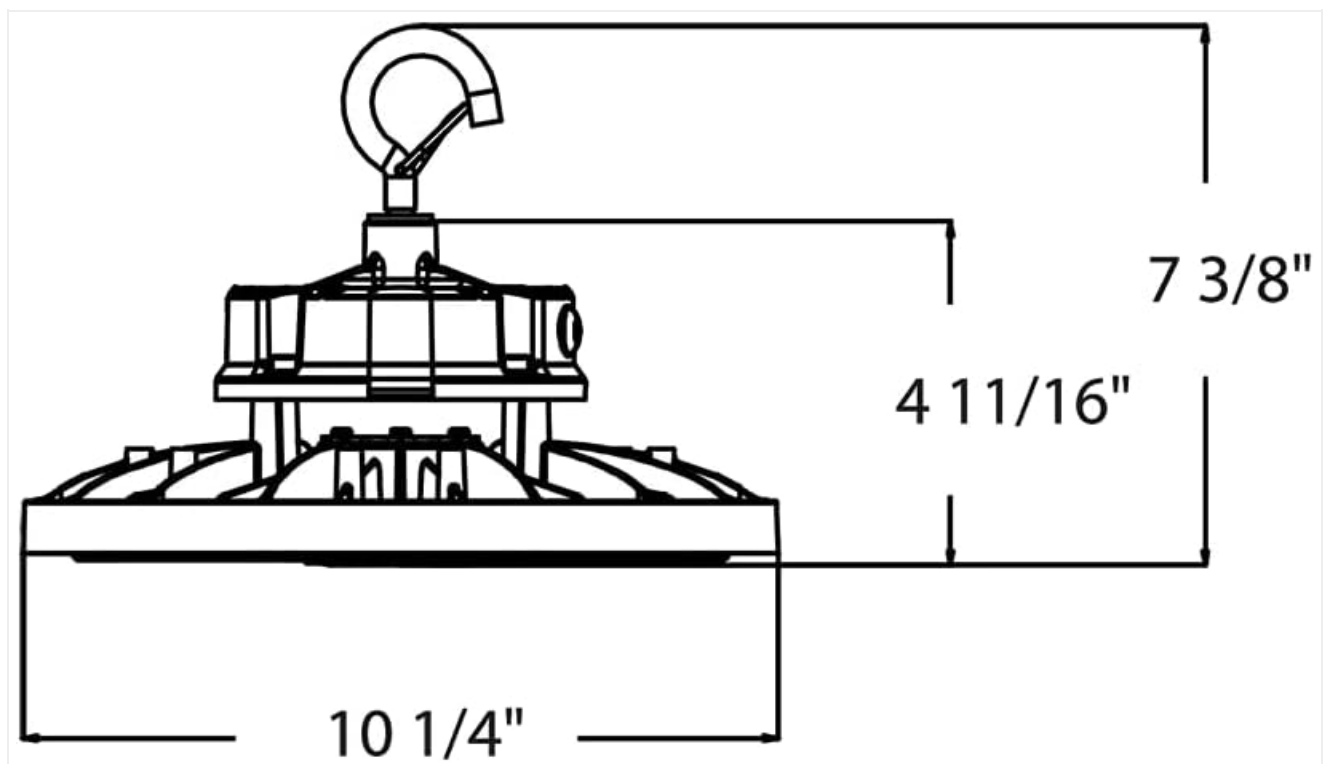


Image 3: Technical drawing showing the dimensions of the RAB H17B LED Highbay.

9. WARRANTY AND SUPPORT

9.1 Warranty Information


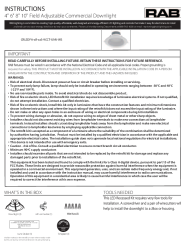
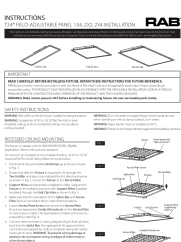
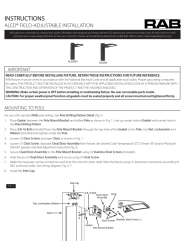
RAB Lighting products are manufactured to the highest quality standards. For specific warranty terms and conditions applicable to the H17B LED Highbay, please refer to the official RAB Lighting website or contact their customer service directly. Retain your proof of purchase for warranty claims.

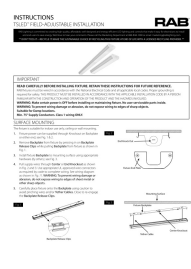
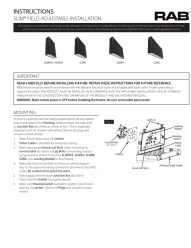
9.2 Customer Support

If you have any questions, require technical assistance, or need to report an issue with your RAB H17B LED Highbay, please contact RAB Lighting customer support. Contact details can typically be found on the manufacturer's official website.

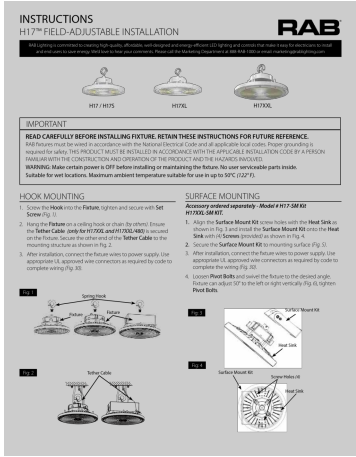
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Related Documents - H17B

	<p>RAB FIELD-ADJUSTABLE A22™ LED Lighting Fixture Installation Instructions</p> <p>Comprehensive installation guide for the RAB FIELD-ADJUSTABLE A22™ LED lighting fixture, covering pole mount, slipfitter mount, wall mount, field adjustments, wiring, and maintenance.</p>
	<p>RAB 4\" 6\" 8\" 10\" Field Adjustable Commercial Downlight Installation Instructions</p> <p>Comprehensive installation guide for RAB Lighting's 4", 6", 8", and 10" Field Adjustable Commercial Downlight. Includes safety warnings, parts list, tools needed, installation steps for existing and new frames, and dimensional drawings.</p>
	<p>RAB T34 Field-Adjustable Panel Installation Guide</p> <p>Comprehensive installation guide for RAB T34 Field-Adjustable LED Panel lights (1x4, 2x2, 2x4). Covers recessed ceiling mounting, field adjustments, wiring, and battery backup models.</p>
	<p>ALED® Field-Adjustable LED Installation Instructions RAB Lighting</p> <p>Comprehensive installation guide for RAB Lighting's ALED® field-adjustable LED fixtures (ALEDXXS, ALEDXS). Includes mounting, wiring, field adjustment, and troubleshooting.</p>

	<p>TSLED™ Field-Adjustable LED Installation Instructions RAB Lighting</p> <p>Comprehensive installation guide for RAB Lighting's TSLED™ Field-Adjustable LED fixtures, covering surface mounting, V-hook mounting, field adjustments, wiring, Lightcloud® Blue integration, and battery backup models.</p>
	<p>RAB SLIM Field-Adjustable LED Lighting Installation Guide</p> <p>Comprehensive installation instructions for RAB Lighting's SLIM series field-adjustable LED fixtures, covering mounting, electrical connections, field adjustments for photocell, CCT, wattage, optic angle, and troubleshooting.</p>

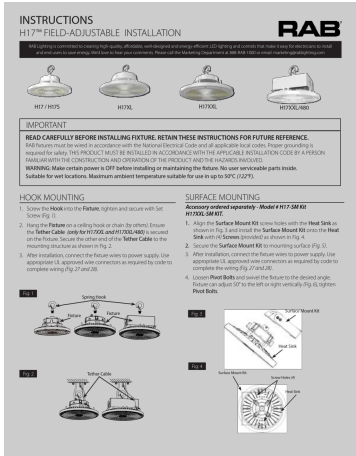
Documents - RAB Lighting – H17B



[H17 Field-Adjustable Installation Instructions - RAB Lighting](#)

Comprehensive installation guide for RAB Lighting's H17 series field-adjustable high-bay fixtures, covering hook mounting, surface mounting, pendant mounting, reflector and lens options, wire guard, motion sensor, and battery backup.

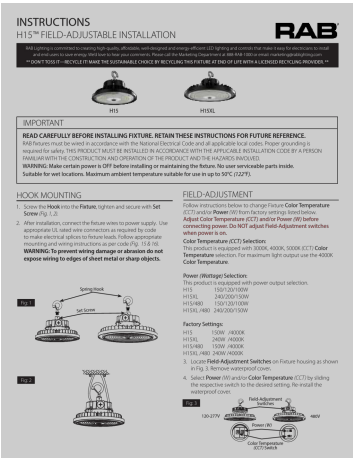
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[RAB H17 Series Field-Adjustable LED High Bay Installation Instructions](#)

Comprehensive installation guide for RAB Lighting's H17 series field-adjustable LED high bay fixtures, covering hook mounting, surface mounting, pendant mounting, field adjustments, and accessory installations.

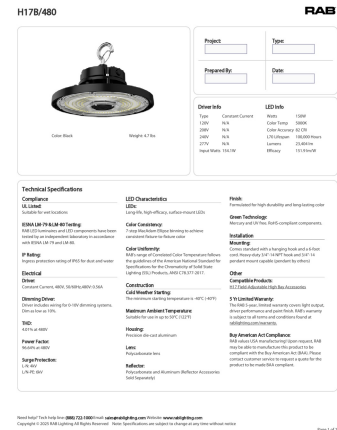
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[RAB H15 Series Field-Adjustable LED High Bay Installation Guide](#)

Comprehensive installation instructions for the RAB H15 and H15XL series field-adjustable LED high bay light fixtures. Covers hook, surface, and pendant mounting, field-adjustable CCT and wattage settings, wiring, maintenance, and troubleshooting.

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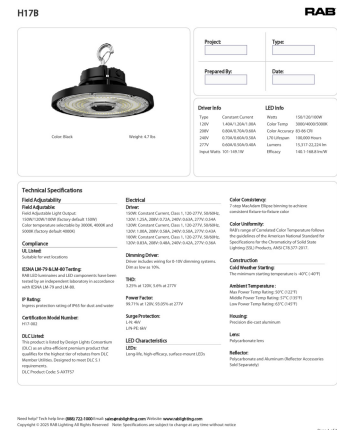


[\[pdf\] Specifications](#)

H17B 480 Primary Spec Sheet Rab Lighting 150W LED Hook High Bay 5000K 23 404 Lumens 82 CRI 480V Black Energy Avenue spec sheet rablighting specs |||

H17B/480 Color: Black **Weight:** 4.7 lbs **Project:** Prepared By: **Type:** Date: **Driver Info** Type Constant Current 120V N/A 208V N/A 240V N/A 277V N/A Input Watts 154.1W **LED Info** Watts 150W Color Temp 5000K Color Accuracy 82 CRI L70 Lifespan 100,000 Hours Lumens 23,404 lm Efficacy 15...

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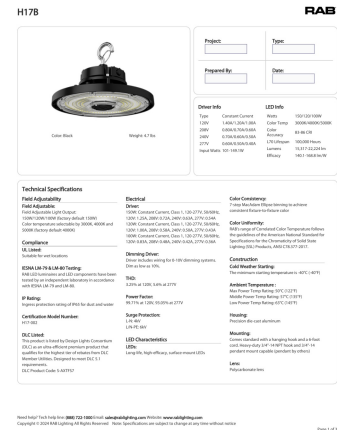


[\[pdf\] Specifications](#)

H17B Primary Spec Sheet Rab Lighting 100 120 150W LED Field Adjustable High Bay 3000K 4000K 5000K 15 317 22 224 Lumens 83 86 CRI 277V Black Energy Avenue spec sheet rablighting specs |||

H17B Color: Black **Weight:** 4.7 lbs **Project:** Prepared By: **Type:** Date: **Driver Info** Type Constant Current 120V 1.40A/1.20A/1.00A 208V 0.80A/0.70A/0.60A 240V 0.70A/0.60A/0.50A 277V 0.60A/0.50A/0.40A Input Watts 101-149.1W **LED Info** Watts 150/120/100W Color Temp 3000/4000/5000K Color Ac...

lang:en **score:29** filesize: 171.81 K page_count: 3 document date: 2025-01-16



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H17B Specification SheetSchaedler Yesco RAB H17B11274 9AKMIDC1YXJ8RNT0ideadigitalasset DAMRoot Original 13009 11274 9AKMIDC1YXJ8RNT0 |||

H17B Project: Prepared By: **Type:** Date: **Color:** Black **Weight:** 4.7 lbs **Driver Info** Type Constant Current 120V 1.40A/1.20A/1.00A 208V 0.80A/0.70A/0.60A 240V 0.70A/0.60A/0.50A 277V 0.60A/0.50A/0.40A Input Watts 101-149.1W **LED Info** Watts 150/120/100W Color Temp 3000/4000/5000K Color Accuracy L70 Lifespan Lumens Effi...

lang:en **score:27** filesize: 171.51 K page_count: 3 document date: 2024-08-15

H17B

RAB



Color: BlackWeight: 4.7 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

LED Info

Type	Constant Current	Watts	100-150/100W
Class	1.40A/0.70A/0.50A	Color Temp	3000K/4000K/5000K
200V	0.60A/0.30A/0.20A	Color	80-90 CRI
240V	0.50A/0.25A/0.16A	Efficiency	170 lm/W
277V	0.45A/0.23A/0.15A	Lumens	15,000/22,000/30,000
Input Watts	101-149.1W	Efficiency	160-170 lm/W

Technical Specifications

Performance

Other

Compliance

Construction

Notes

Other

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[pdf] Specifications

H17B Technical Specifications 9 ore fa — 50 60Hz 120V 1 25A 208V 0 72A 240V 63A 277V 54A 120W
Constant Current Class 120 00A 58A 50A hours ago h17b spec sheet marselectric assets bf 55 bf55234a
5135 44f0 a569 9897ec415744 |||
H17B Project: Prepared By: Type: Date: Color: Black Weight: 4.7 lbs Driver Info Type
Constant Current 120V 1.40A/1.20A/1.00A 208V 0.80A/0.70A/0.60A 240V
0.70A/0.60A/0.50A 277V 0.60A/0.50A/0.40A Input Watts 101-149.1W LED Info Watts
Color Temp Color Accuracy L70 Lifespan Lumens Effi...
lang:en **score:27** filesize: 171.5 K page_count: 3 document date: 2024-03-28

H17B-WG

RAB



Color: BlackWeight: 0.3 lbs

Project:

Type:

Prepared By:

Date:

Technical Specifications

Performance

Other

Compliance

Construction

Notes

Other

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[pdf] Specifications

H17B WG bulbsdepot media rab |||
H17B-WG Project: Prepared By: Type: Date: Color: Black Weight: 0.3 lbs Technical
Specifications Performance Description: H17 wireguard Other Compatibility: H17 Buy
American Act Compliance: RAB values USA manufacturing Upon request, RAB may
be able to manufacture this product to be compliant wi...
lang:en **score:27** filesize: 58.52 K page_count: 1 document date: 2024-06-10

H17B-SM KIT

RAB



Color: BlackWeight: 1.5 lbs

Project:

Type:

Prepared By:

Date:

Technical Specifications

Performance

Other

Compliance

Construction

Notes

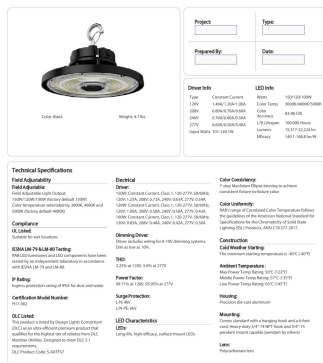
Other

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[pdf] Specifications

H17B SM KIT bulbsdepot media rab |||
H17B-SM KIT Project: Prepared By: Type: Date: Color: Black Weight: 1.5 lbs
Technical Specifications Performance Description: H17 yoke surface mount Other
Compatibility: H17 Buy American Act Compliance: RAB values USA manufacturing
Upon request, RAB may be able to manufacture this product to be...
lang:en **score:26** filesize: 48.1 K page_count: 1 document date: 2024-06-10



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H17B Black Spec Sheet RAB H17 150W LED High Bay Selectable Wattage CCT COMMUNITY

LIGHTING ELECTRIC SUPPLY spec sheet v 1726505638 cdn shopify s files 1 0602 1038 1031 |||

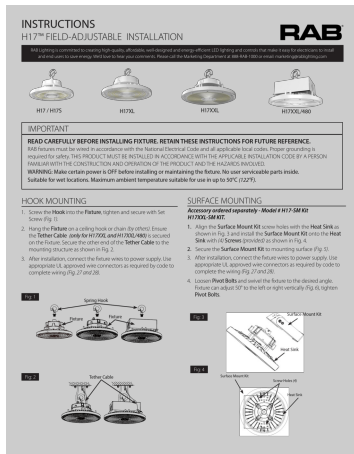
H17B Project: Prepared By: Type: Date: Color: Black Weight: 4.7 lbs Driver Info Type

Constant Current 120V 1.40A/1.20A/1.00A 208V 0.80A/0.70A/0.60A 240V

0.70A/0.60A/0.50A 277V 0.60A/0.50A/0.40A Input Watts 101-149.1W LED Info Watts

Color Temp Color Accuracy L70 Lifespan Lumens Effi...

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[\[pdf\]](#) Installation Guide Instructions

P 100099 H17 H17XL IN 0324 indd Installation GuideRAB Adjustable 22000 Lumen High Bay Light Bees

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```
64d13176886739000117d282 texts f4 91 4c 65 654c91f4bbb8f39a4b0c88db inst |||
```

INSTRUCTIONS H17™ FIELD-ADJUSTABLE INSTALLATION RAB Lighting is

committed to creating high-quality, ... waterproof gasket. Fig. 10 100 PENDANT

MOUNTING Accessory ordered separately - Model # H17-PM KIT **H17B**-PM KIT 1.

Loosen Set Screws on the Fixture as shown in Fig. 7 . Mount the Pendant Kit onto

the...

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[\[pdf\]](#) Specifications

Family Spec Sheet H17 Field Adjustable High Bay RAB Lighting Adustable rablighting sites default files |||

H17 Field-Adjustable High Bay H17S 100/80/60W H17 150/120/100W H17XL

240/200/150W PROJECT: ... 52022040 H17 YOKE SURFACE MOUNT WHITE

H17XXL-SM KIT 192552034968 H17XXL YOKE SURFACE MOUNT WHITE **H17B-**

SM KIT 192552034890 H17 YOKE SURFACE MOUNT BLACK H17XXLB-SM KIT

192552034975 H17XXL YOKE SURF...

lang:en score:16 filesize: 1.23 M page_count: 8 document date: 2024-09-18