

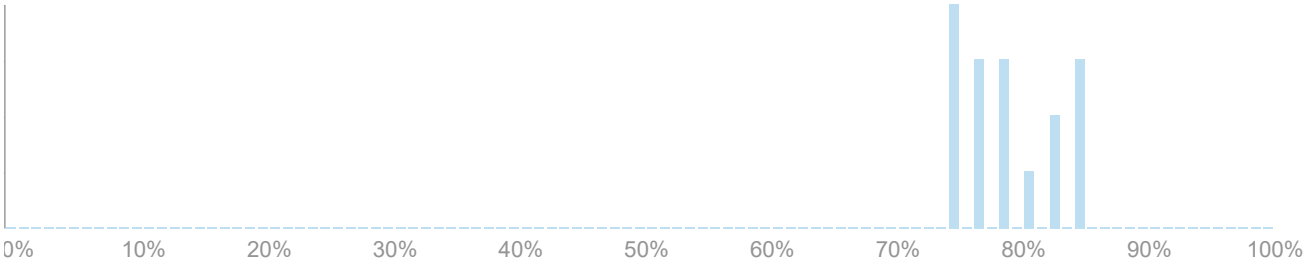
Quiz Summary

Section Filter ▾

Student Analysis

Item Analysis

Ⓜ Average Score	⤴ High Score	⤵ Low Score	Ⓢ Standard Deviation	⌚ Average Time
79%	85%	75%	1.84	34:06



Question Breakdown

Attempts: 16 out of 16

-0

Reflection is the return of light from a surface.

Discrimination Index ⓘ

True	16 respondents	100 %
False		0 %

✓ 100% answered correctly

Attempts: 16 out of 16

A smooth, highly polished surfaces, such as a mirror, alters the direction of a beam of light without changing its form.

-0

Discrimination
Index ?

True	16 respondents	100 %	✓ 100% answered correctly
False		0 %	

Attempts: 16 out of 16

Rough or matte surfaces neutralize the directional nature of the incident beam.

-0

Discrimination
Index ?

True	16 respondents	100 %	✓ 100% answered correctly
False		0 %	

Attempts: 16 out of 16

Aluminum is the material most frequently used for the fabrication of reflectors.

+0.31Discrimination
Index (?)

True	15 respondents	94 %	✓ 94% answered correctly
False	1 respondents	6 %	

Attempts: 16 out of 16

Baffles and louvers cannot shield glare at normal viewing angles.

-0Discrimination
Index (?)

True		0 %	100% answered correctly
False	16 respondents	100 %	✓ 100% answered correctly

Attempts: 16 out of 16

-0Shielding can conceal the lamp and control glare. Discrimination
Index (?)

True	16 respondents	100 %	✓ 100% answered correctly
False		0 %	

Attempts: 16 out of 16

A luminaire provides physical support, electrical connection and light control for an electric lamp.

+0.31

Discrimination
Index (?)

True	15 respondents	94 %	✓ 94% answered correctly
False	1 respondents	6 %	

Attempts: 16 out of 16

Regarding track lighting, the main advantage of track is its flexibility.

-0

Discrimination
Index (?)

True	16 respondents	100 %	✓ 100% answered correctly
False		0 %	

Attempts: 16 out of 16

Downlights should be used in interior spaces where surfaces and objects to be lighted will be occasionally or frequently changed, added, or deleted.

+0.58Discrimination
Index (?)

True	5 respondents	31 %		69% answered
False	11 respondents	69 %	✓	correctly

Attempts: 16 out of 16

Another name an for open -reflector downlight is a track light.

+0.59Discrimination
Index (?)

True	5 respondents	31 %	✓	31% answered
False	11 respondents	69 %		correctly

Attempts: 16 out of 16

Another name for an open-reflector downlight is a high hat.

+0.17Discrimination
Index (?)

True	15 respondents	94 %	✓	
False	1	6 %		

respondents

94%
answered
correctly

Attempts: 16 out of 16

Another name for an open-reflector downlight is a can.

+0.17

Discrimination
Index (?)

True	15 respondents	94 %	✓ 94% answered correctly
False	1 respondents	6 %	

Attempts: 16 out of 16

Open reflector downlights are always have round apertures.

-0.5

Discrimination
Index (?)

True	6 respondents	38 %	✓ 38% answered correctly
False	10 respondents	63 %	

Attempts: 16 out of 16

Manufacturers will sometimes publish the luminaire spacing criterion (SC) for downlights.

-0

Discrimination
Index ?

True	16 respondents	100 %	✓ 100% answered correctly
False		0 %	

Attempts: 16 out of 16

Spacing Criterion is an estimated minimum ratio of spacing -to-mounting height above the workplane in order to produce uniform, horizontal illuminance.

+0.7

Discrimination
Index ?

True	7 respondents	44 %	56% answered correctly
False	9 respondents	56 %	✓

Attempts: 16 out of 16

Asymmetric wallwashers are mostly used for lighting floors.

-0Discrimination
Index (?)

True

0 %

100%

False16
respondents**100 %**✓ answered
correctly

Attempts: 16 out of 16

Task lights are always located close to a wall or on a vertical surface.

+0.29Discrimination
Index (?)

True

4
respondents

25 %

75%

False12
respondents**75 %**✓ answered
correctly

Attempts: 16 out of 16

Emergency lighting is sometimes referred to as egress lighting.

-0Discrimination
Index (?)**True**16
respondents**100 %**

✓

False

0 %

100%
answered
correctly

Attempts: 16 out of 16

Emergency lighting is not usually required in commercial, public or high-occupancy residential buildings.

-0

Discrimination
Index ?

True	0 %	100%
False	16 respondents	100 % ✓ answered correctly

Attempts: 16 out of 16

Fire codes in the United states require a minimum of 90 minutes of battery power along the path of egress during a power outage.

-0

Discrimination
Index ?

True	16 respondents	100 %	✓ 100% answered correctly
False		0 %	

Attempts: 16 out of 16

There are no code-mandated criteria regarding how much light should be along the egress path.

-0

Discrimination
Index (?)

True

0 %

100%

False

16
respondents

100 %

✓ 100%
answered
correctly

Attempts: 16 out of 16

+0.31

Successful lighting design is sustainable design.

Discrimination
Index (?)

True

15
respondents

94 %

✓ 94%
answered
correctly

False

1
respondents

6 %

Attempts: 16 out of 16

Energy limits are one of the many constraints that challenge designers.

-0

Discrimination
Index (?)

True

16
respondents

100 %

✓

False

0 %

100%
answered
correctly

Attempts: 16 out of 16

In every building, the optimum quantity of light must be delivered to where it is needed using the fewest number of watts and the maximum amount of glare control or the light is ineffective.

+0.03Discrimination
Index ?

True	15 respondents	94 %	✓ 94% answered correctly
False	1 respondents	6 %	

Attempts: 16 out of 16

Vertical surfaces are often the first surfaces we see upon entering an interior space.

-0Discrimination
Index ?

True	16 respondents	100 %	✓ 100% answered correctly
False		0 %	

Attempts: 16 out of 16

To maintain uniformity of light intensity over a large work area, avoid exceeding the manufacturer's recommended maximum SC.

-0

Discrimination
Index ?

True	16 respondents	100 %	✓ 100% answered correctly
False		0 %	

Attempts: 16 out of 16

There is no potential connection between the conservation of art materials and lighting.

-0

Discrimination
Index ?

True		0 %	100% answered correctly
False	16 respondents	100 %	✓

Attempts: 16 out of 16

For interior spaces, it is never appropriate to include shadows as well as light.

-0Discrimination
Index (?)

True

0 %

100%

False16
respondents**100 %**✓ 100%
answered
correctly

Attempts: 16 out of 16

With low illuminance values, warm versus cool colors of light are preferred.

+0.03Discrimination
Index (?)**True**15
respondents**94 %**✓ 94%
answered
correctly

False

1
respondents

6 %

Attempts: 16 out of 16

Older persons need less light than younger persons because the lens of older people's eyes is thinner.

-0Discrimination
Index (?)

True

0 %

False 16
respondents 100 %

✓
100%
answered
correctly

Attempts: 16 out of 16

Glare sensitivity within the field of view significantly decreases with age.

-0

Discrimination
Index (?)

True 0 %
False 16
respondents 100 %

100%
answered
correctly

Attempts: 16 out of 16

The reflectance properties of interior surfaces should not effect lighting design choices.

-0

Discrimination
Index (?)

True 0 %
False 16
respondents 100 %

100%
answered
correctly

Attempts: 16 out of 16

White or off-whitewalls will have about 5-10% reflectance.

-0

Discrimination
Index (?)

True

0 %

100%

False

16
respondents

100 %

✓ 100%
answered
correctly

Attempts: 16 out of 16

To calculate illuminance from a source at nadir to a point located on a horizontal surface use the formula: Intensity in candelas divided by distance squared.

+0.31

Discrimination
Index (?)

True

15
respondents

94 %

✓ 94%
answered
correctly

False

1
respondents

6 %

Attempts: 16 out of 16

Complaints of outside noise are not common in hotels.

+0.31

Discrimination
Index (?)

True	1 respondents	6 %	94% answered correctly
False	15 respondents	94 %	✓

Attempts: 16 out of 16

Complaints of guestroom to guestroom noise are not common in hotels.

-0

Discrimination
Index (?)

True		0 %	✓	0% answered correctly
False	16 respondents	100 %		

Attempts: 15 out of 16 -0

Discrimination
Index (?)

True	15 respondents	94 %	✓ 94% answered correctly
False		0 %	
No Answer	1 respondents	6 %	

Attempts: 16 out of 16

-0

Plumbing fixtures include toilets and urinals. Discrimination Index (?)

True	16 respondents	100 %	✓ 100% answered correctly
False		0 %	

Attempts: 16 out of 16

Stacking bathrooms floor to floor is recommended in hotels.

-0

Discrimination
Index (?)

True	16 respondents	100 %	✓ 100% answered correctly
False		0 %	

Attempts: 16 out of 16

ASHRAE is the American Society for Heating, Refrigeration & Airconditioning Engineering.

+0.03

Discrimination
Index (?)

True	15 respondents	94 %	✓
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False 1 6 %
respondents

94%
answered
correctly

Attempts: 16 out of 16

Hydronics uses **radiators** to distribute a heated fluid through ceiling systems.

+0.7

Discrimination
Index (?)

True 7 44 %
respondents

56%
answered
correctly

False 9 56 %
respondents

Attempts: 16 out of 16

Hydronics uses uses **electricity** to transfer heat to air through floors systems.

+0.29

Discrimination
Index (?)

True 4 25 %
respondents

False 12 75 %
respondents



75%
answered
correctly

Attempts: 16 out of 16

A Forced Air System sends heated air through ductwork.

+0.31

Discrimination
Index (?)

True	15 respondents	94 %	✓ 94% answered correctly
False	1 respondents	6 %	

Attempts: 16 out of 16

+0.17

Ducts are large “pipes” which move air

Discrimination
Index (?)

True	15 respondents	94 %	✓ 94% answered correctly
False	1 respondents	6 %	

Attempts: 16 out of 16

Ducts may be exposed if the building structure is exposed.

-0

Discrimination
Index ?

True	16 respondents	100 %	✓ 100% answered correctly
False		0 %	

Attempts: 16 out of 16

Ducts may be concealed including being mounted in **plenum**
or **wall**.

-0

Discrimination
Index ?

True	16 respondents	100 %	✓ 100% answered correctly
False		0 %	