

LUMEN WARM



**EROS RECESSED
LWERS-RCD**



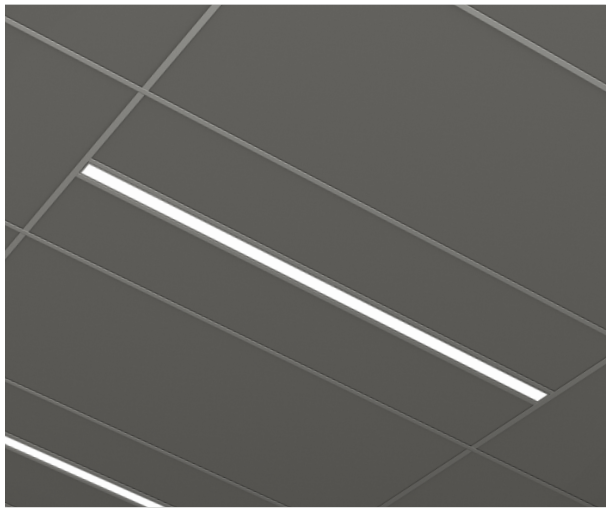
BROCHURE



INSTALLATION
TRIMLESS



INSTALLATION
T-GRID



Eros Recessed

The Eros conception allows you to create long linear runs to appropriately light up the space it is installed in. Custom lengths and patterns are also a possibility and with its fully lit corners, darkness will be a thing of the past



Performance

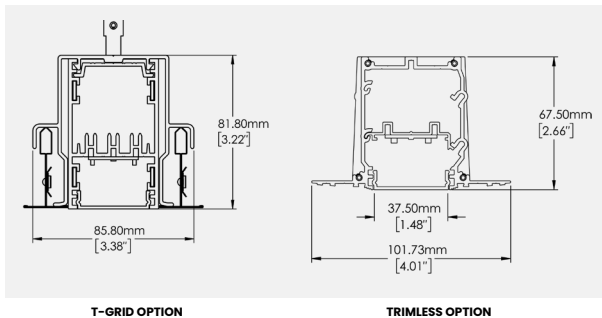
Direct			
Lm	Lens Type	W/ft	Lm/W
300	Lambertian	2.4	125
750		6.1	122
1000		8.8	114
750	Multicell 12° Module	5.1	147
750	Multicell 24° Module	5.1	147
750	Multicell 38° Module	5.1	147
750	Multicell 50° Module	5.1	147
750	Multicell 35°X70° Module	5.1	147

Please note this information is based on a 1ft / 4000K fixture.

Highlights

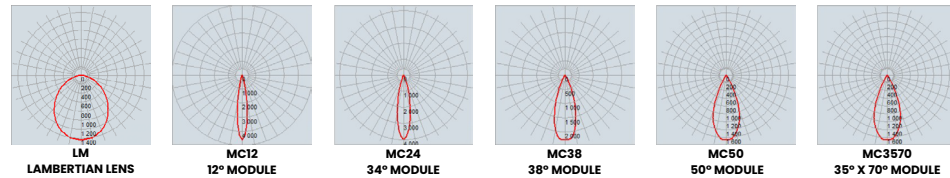
Lumen Output	Up to 1100lm/ft Deliver lumen with lambertian lens.
Efficiency	Up to 145lm/W
Colour Temperature	2700K, 3000K, 3500K, 4000K
CRI	90
Input Voltage	Integral driver, 100-277VAC
Dimming Options	0-10V (Down to 1%), Lutron Ecosystem, Dim to Off
Lead In	Up to 80ft maximum run per power feed (15A /1650W maximum).

Dimensions

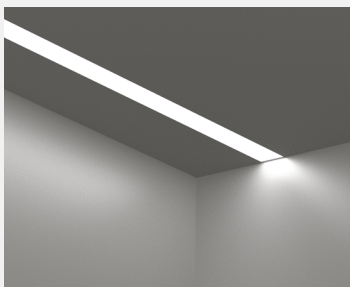


Distribution

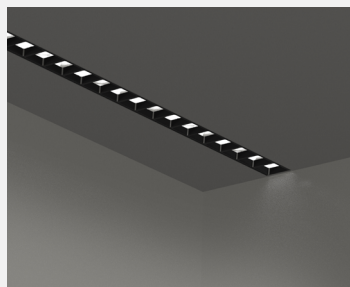
Direct



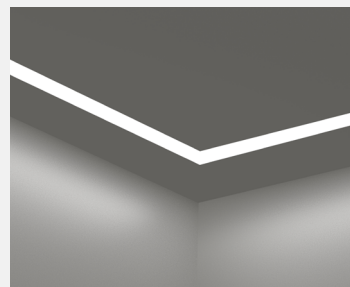
Configuration Example



FULL LAMBERTIAN MODULE



FULL MULTICELL MODULE



PATTERNS
MULTIPLE OPTIONS

LUMEN
WARM

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LAST UPDATE
23/10/2024



Eros Recessed

Ordering Guide

Ex : LWERS-RCD-48-NA-MBK-MC12

Product Code	Length	Pattern Type	Pattern Dimensions	Exterior Finish	Direct Linear Modules (3)
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LWERS-RCD

	48 48in 60 60in 72 72in 84 84in 96 96in 144 144in CUCR Custom Continuous Run CUSU Custom Single Unit CUPA Custom Pattern	PAL L-Shaped Pattern PAS Square Shaped Pattern PAX X -Shaped Pattern PAU U -Shaped Pattern PAT T -Shaped Pattern CU Custom Shaped Pattern (1) NA None	A X B A X B A1+A2 X B A X B X C A1+A2 X B1+B2 A X B1+B2 X C1+C2	MBK Matte Black MWH Matte White CU Custom (2)	LM High Efficiency Lambertian Lens MC12 12° MC24 24° MC38 38° MC50 50° MC3570 35° x 70° NA None
Refer to the "Technical Information" section for further details.		(1) A drawings will be needed for custom shaped. Refer to next page for more details on available shapes.		(2) Specify RALK7 code.	(3) Full length direct light module (1 choice of direct module only)

Ex : DCH-P300-27K-9/16

Multicell Finish	Direct Linear Modules Lumen Package	Direct Colour Temperature	Mounting
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DCH Dark Chrome MBK Matte Black MWH Matte White CU Custom NA None	P300 300lm/ft P400 400lm/ft P600 600lm/ft P700 700lm/ft P900 900lm/ft P1100 1100lm/ft CU Custom Output (4)	27K 2700K 30K 3000K 35K 3500K 40K 4000K ADJ Tunable White CU Custom (5)	916 9/16 T-Bar 1516 15/16 T-Bar TRM Drywall Mud Flange
The Multicell Module (MC) option is required to select this option		(4) Consult factory for more information.	(5) Consult factory for more information.

Ex : UNI-X10V-CCEA-1C-NA-AWNR

Voltage	Driver	Additional Certification	Circuits (10)	Emergency (11)	Controls (12)
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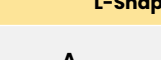
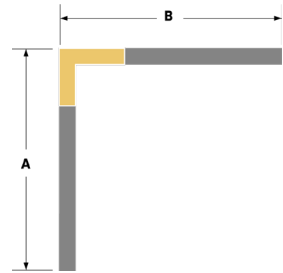
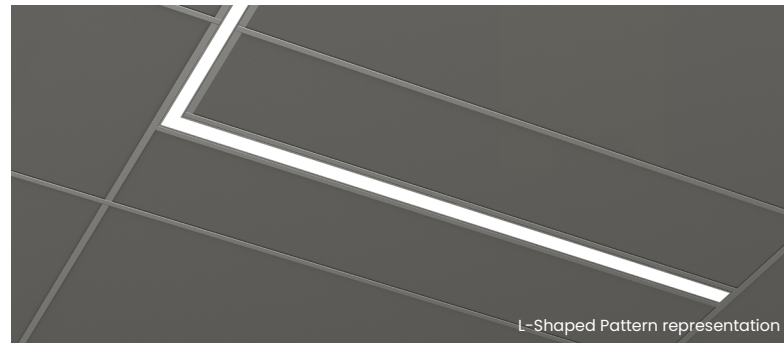
UNI Universal 100-277V 347 347V(6)	X10V 0-10V Driver 1% Z10V 0-10V Driver Dim to Off DA2 Dali 2.0 (7) LTI Lutron Hi-Lume 1% OTH Other (8)	CCEA Chicago Plenum Certified (9) NA Aucun	1C One Circuit 2C Two Circuits CU Custom	B6W Integral Battery Pack 6W B10W Integral Battery Pack 10W NA None	AWNR Athena Wireless Node RF Only AWNS Athena Wireless Node RF + Occupancy Sensor NA None
(6) Requires 0-10V driver.	(7) Dali driver commissioning is required. (8) Consult factory for more information.	(9) Refer to the "Mounting Options" section for more details.	(10) Refer to the "Controls" section for more details.	(11) Provide a sketch/drawing for the positioning of the emergency section. Refer to the "Emergency" section for further details. (Not compatible with 347V).	* Only one Node per Circuit.* (12) Athena not compatible with 347V.

Notes

Patterns

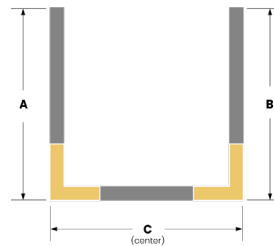
Base Information

Description	The Eros family offers 3 standard connector shapes for different pattern configurations. Every connector is welded in factory and is fully illuminated, ensuring consistent lighting for seamless installation.
Dimensions	L-Shaped Connector : 7.5in x 7.5in / 190.5mm X 190.5mm
	T-Shaped Connector : 7.5in x 13.75in / 190.5mm X 332mm
	X-Shaped Connector: 13.75in x 13.75in / 332mm X 332mm

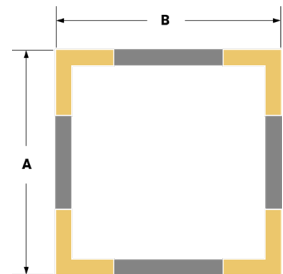


The diagram illustrates an L-shaped pattern. It consists of a yellow rectangular header at the top with the text "L-Shaped Pattern". Below this header is a white rectangular area divided into two equal horizontal sections. The left section is labeled "A" and the right section is labeled "B". Below these two sections is a light gray rectangular area containing the text "36in Minimum length". A vertical line extends from the bottom center of the "36in Minimum length" area down to a dark gray rectangular footer at the bottom, which contains the text "PAL=A X B".

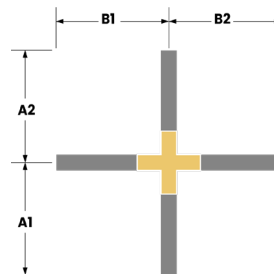
L-Shaped Pattern	
A	B
36in Minimum length	
PAL=A X B	



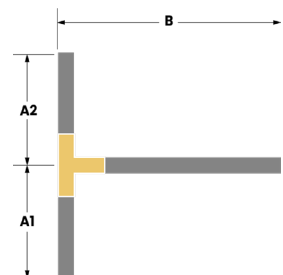
U-Shaped Pattern		
A	B	C
36in Minimum length		42in Minimum length
PAU = A X B X C		



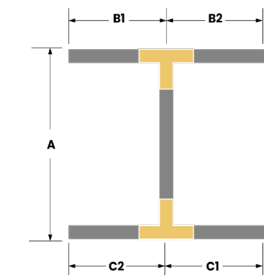
Square Shaped Pattern	
A	B
42in Minimum length	
PAS = A X B	



X-Shaped Pattern			
A1	A2	B1	B2
36in Minimum length			
PAX = A1 + A2 X B1 + B2			



T-Shaped Pattern		
A1	A2	B
42in Minimum length		36in Minimum length
PAT = A1 + A2 X B		



H-Shaped Pattern				
A	B1	B2	C1	C2
42in Minimum length	36in Minimum length			
$PAH = A \times B1 + B2 \times C1 + C2$				

Workshop Drawing

Use grid to draw Custom Pattern

[illegible]

Technical Information

Construction

Aluminum Profile	100% Recycled Aluminum grade 6063-T5
Endcap	Aluminum grade 6063-T5, Extruded and machined part
Brackets	
High Efficiency Lambertian Lens	Frosted Acrylic, Extruded part
Suspension Cable	Stainless steel adjustable aircraft cable (T-Grid)
Joiner	1060 Steel, 14 gauge

Aluminum Profile Colour



MBK - Matte Black

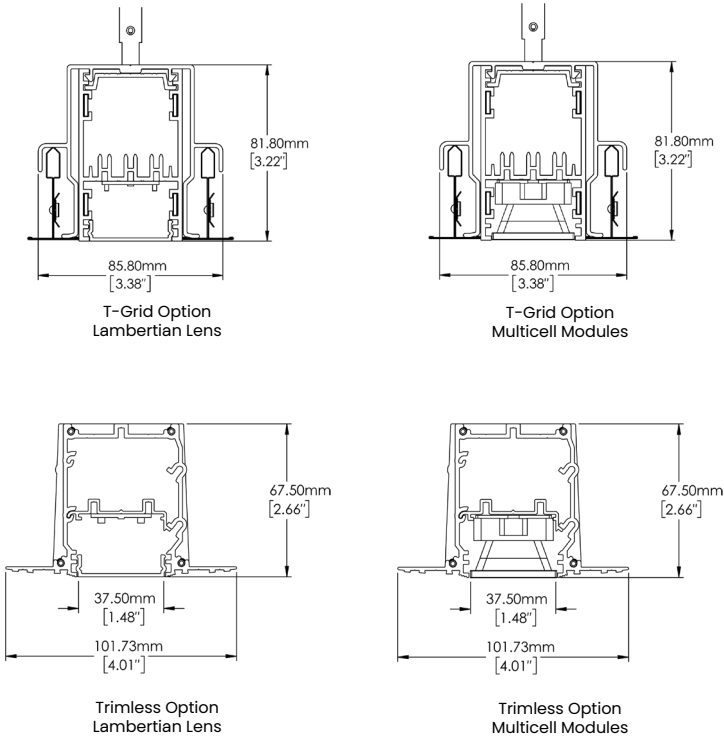


MWH - Matte White



CUSTOM RAL K7
CU - Specify RALK7 colour

Dimensions



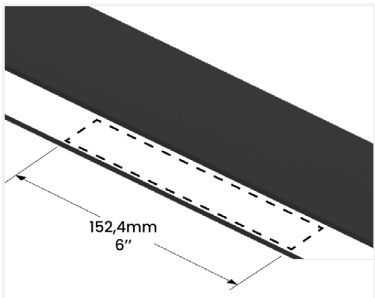
Length Management



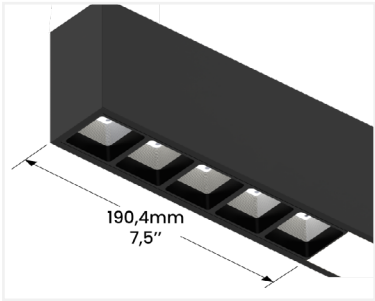
A	Minimum length for Eros is 4ft long.
	Eros more than 8ft long Will have an additional cost for shipping purpose.
	Maximum length for one fixture is 12ft .
B	Fixture over 12ft long will be split into sections..
	All Suspension cables are field adjustable in length.

Module Management

LM -High Efficiency Lambertian Lens Module	
Dimensions	Maximum length for lens : 3657.6mm/144in Minimum length for lens: 152.4mm/6in
Management	Lambertian module must be calculated with ≈ 152.4mm/6in increment to reduce dark spot risk.



MCXX-Multicell Modules	
Dimensions	Direct Multicell module is ≈ 190.5mm/7.5in
Management	Measure 190.5mm/7.5in increment when you plan your section in the fixture to avoid visible spacing.



Multicell Optics



Driver

0-10V Driver 1%	Driver for maximum dimming capabilities. Provide a smooth dimming from 10% up to 0.1%, works on 347V only.
0-10V Driver Dim to Off	Driver that facilitates the control of dimming of maximum light power to off state, operates only on 347V.
Dali	Driver which allows the addressability of luminaires to be adapted individually or in groups. Its system facilitates the management of connections as well as its installation.
Lutron Hi-Lume 1%	The Hi-Lume LED driver is the world's first LED driver to offer smooth, continuous 1% dimming for virtually any LED fixture.  Lutron Hi-Lume 1% Spec Sheet
Other Driver	Other driver options are available. Consult factory for more information.

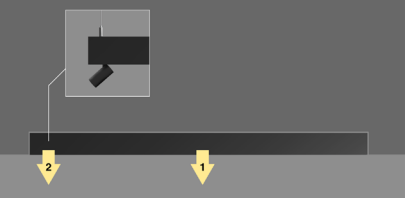
Circuits

1 Circuit



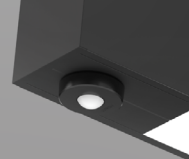
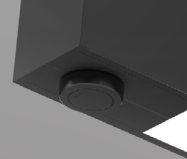
All lighting is on the same circuit and will be controlled simultaneously.

2 Circuits



Direct lighting and additional lighting options are on two separate circuits and will be controlled independently.

Athena Wireless Node

Models	AWNR – Radio Frequency	AWNS – Radio Frequency + Occupancy Sensor
Description	The Athena wireless node is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena controlled system. The small size and compatibility with a wide variety of drivers allow for seamless integration with common commercial lighting fixtures from any manufacturer.	
Driver Compatibility	Static White Control: • Lutron digital drivers (coming soon) • DALI-2 certified drivers • ANSI C137.1 compliant 0-10 V drivers Tunable White Control : • Lutron digital drivers (coming soon) • DALI-2 certified drivers	
Power / Load	• IEC SELV / NEC® Class 2 • Operating voltage: 9.5 – 28.8V • Operating current: 46mA max	
Spec Sheet		Installation Documents 
Finish	Node colour will match the fixture finish, if custom colour is selected, black node will be supplied unless specified otherwise.  AWNR – Matte White AWNR – Matte Black AWNS – Matte White AWNS – Matte Black	

Recessed Length Options

Single Fixture



Max Length	12ft Maximum length for continuous lens appearance.
Weight	Eros weight /feet : 1.5lbs

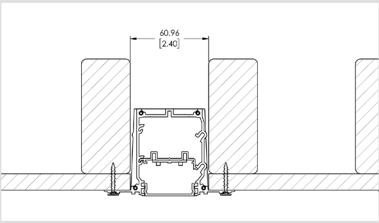
12ft+ Fixture



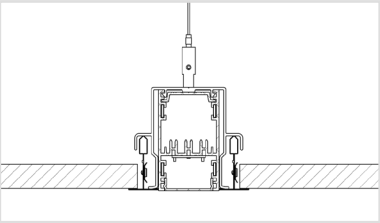
Max Length	When ordering over 12ft, Eros will be split into sections depending on the total length ordered. Ask our factory for more information
Custom Length	Contact our factory for more information on custom length and its specifications.

Section View

Trimless Option



T-Grid Option



Installation Information



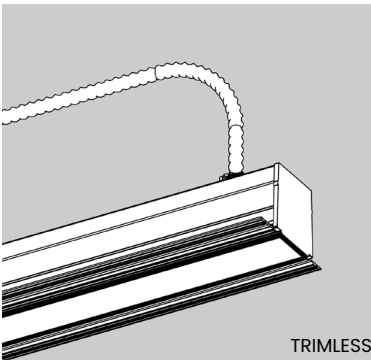
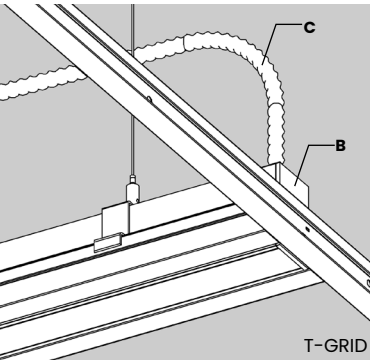
Installation Guide
Trimless
See our installation guide for more information.



Installation Guide
T-Grid
See our installation guide for more information.

CCEA Certification

The additional CCEA certification requires Air-tight seals throughout the entire fixture along with metal only components complying with the electrical standards of the city of Chicago.



Description	
A	The integrated driver is completely enclosed in an all-metal assembly, each joint is sealed to make the interior compartment completely airtight.
B	Both endcaps are sealed at the ends with rubber seals.
C	All Lumen Warm recessed lighting have a flexible metal conduit with metal cable gripper.

Consult factory for more information.

Emergency

Description

	Battery					Fixture		
Ordering Code	Model	Weight	Input Current	Output Power	Illumination Time	Lumen Output	Voltage Range	Minimum Length
B6W	BSL06T3	0.95lbs (0.43kg)	60mA	6W	90min	Up to 900lm (Based on a efficiency of 150lm/W)	120-277 VAC, 50/60 HzW	4ft
B10W	BSL10T3	1.05lbs (0.48kg)		10W		Up to 1500lm (Based on a efficiency of 150lm/W)		
Notes						All data is based on a 4ft fixture		

Documentation

B6 - BSL06T3



Specification Sheet

B10 - BSL10T3



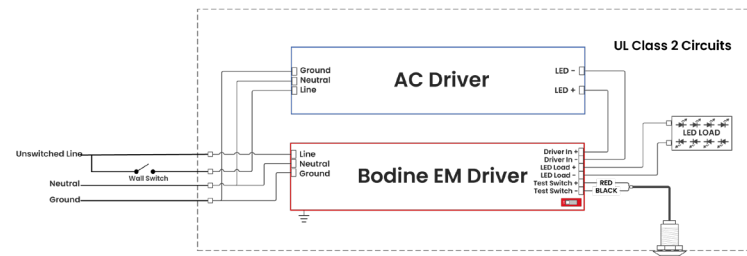
Specification Sheet



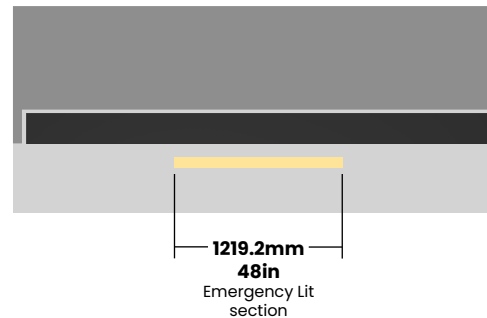
Instruction Sheet

Circuit Management

* The diagram presented is directly referenced in the Bodine emergency battery documentation.*



Emergency Section Management



Provide sketch/drawing for emergency section positioning.

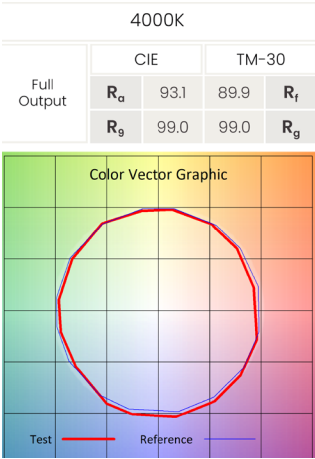
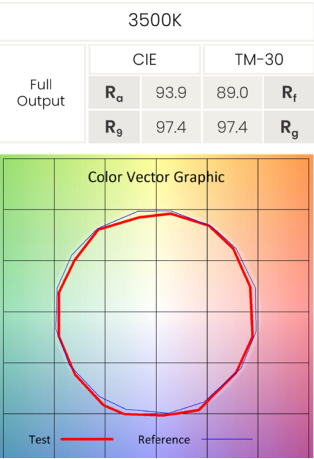
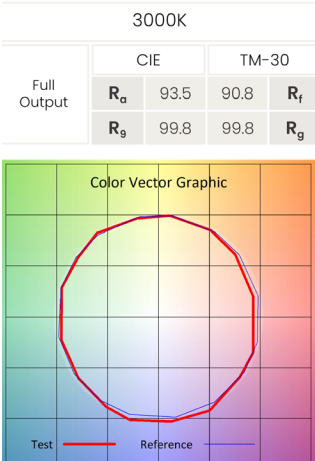
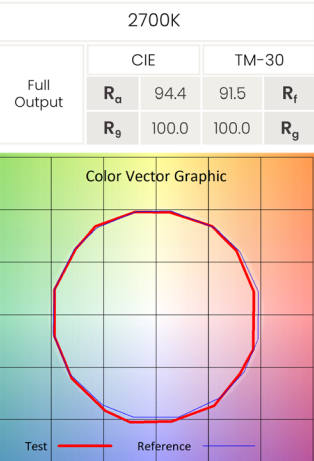
Minimum section must be at least 48in.

Workshop Drawing

Use grid to draw combination

A full-page sheet of white graph paper with a light gray grid. The grid consists of small squares, approximately 10 units wide by 10 units high. There are no margins or additional markings on the page.

Light Colour Data



Eros IES



Light Loss Factor

4000K	0%
3500K	8%
3000K	17%
2700K	21%
2400K	24%
1800K	26%