

Bruno

Indirect / Open T5 / T5HO

Type:

Project:

SPECIFICATIONS

Pendant Mount — Modular / 8" X 2" Rectangular

BRM3

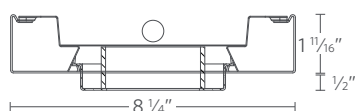
CATALOG NUMBER

FT

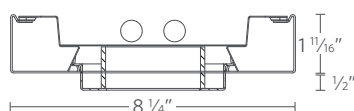
Examples: BRM3 2 28T5 SPR 40FT R8 277 GEB10 DCT LP835 F1/18 SCEP — BRM3 3 54T5HO SPR R8 277 GEB10 1SE EL DCT LP835 F1/21

AVAILABLE FIXTURES

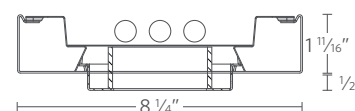
BRM3 - 1



BRM3 - 2



BRM3 - 3



SPECIFICATIONS

Construction

Housing is a nominal 8 1/4" x 1 1/16" rectangular channel formed from cold-rolled steel. 5/8" thick aluminum die cast end cap is standard, 4" sculpted die cast aluminum end cap is optional.

Reflectors

Die formed specular reflector with 95% reflectance.

Shielding

Aluminum die formed drop pan with five 2 3/4" cylinder openings of down light feature. Also

available with optional acrylic opal overlay on top of the openings.

Finish

Fine textured white polyester powder paint is standard. Drop pan always C110 painted Aluminum Finish. Consult factory for special finish requirements.

Electrical

Specify 120V, 277V, or 347V. Pre-wired with 16AWG fixture wire. For special circuiting or wire

gauge, consult factory. Plug-in electrical connectors included. UL and C-UL listed and labeled.

Fixture Length

4' 3/8", 8' and 12' lengths in a single section for nominal support spacing 4'-0" and 8'-0". For total fixture length, add 5/8" for each flat end cap and 4" for each sculpted end cap. Using internal joiners, 4' and 8' sections can be joined to form longer rows. Consult factory for availability of 12' length fixture section.

ORDERING LOGIC

Use guide below to order complete fixture runs from four feet to one-hundred feet in increments of four.

FT																
Fixture	# of Lamps in Cross Section		Lamp Type		Reflector		Shielding		Nominal Row Length ¹	Maximum Section Length	Voltage	Ballast Type		# of Emergency Modules ²		
BRM3	1	2	28T5 ⁴	SPR	Specular Reflector	Blank	No opal	No opal Baffle w/ std brightness diffuser/Opal overlay		R4 R8 R12	120 277 347	GEB10	<10% THD ELECTRONIC	Blank	No Emergency	
	3	54T5HO			OPD							ADEZ ^{4,5}	Advance Mark 10 dimming		1SE	1 section
												ECO10 ⁴	Lutron ECO-10 dimming		2SE	2 sections
												OSDIM ^{4,5}	Osram 0-10v dimming	XSE	X sections	
												Reference Ballast Chart on website or consult factory for other options.				
/																
Emergency Type ^{2,3}		Switching		Lamp Color		Mounting Type		/		Overall Suspension		Finish		Options		
Blank	No Emergency or Night Light	SCT	Single Circuit	L/LP	No Lamp	F1	T-Bar Ceiling (Universal Mounting Bracket)	12	12" overall suspension	C210	Standard White	ACG	Adjustable Cable Grippers			
		DCT	Dual Circuit	LP830	3000K 80+ CRI	F1A	T-Bar Ceiling (UMB with Integrated J-Box)	15	15" overall suspension		White (fine-textured low gloss)	APF	Alternate Power Feed			
EL	Emergency Battery Pack			LP835	3500K 80+ CRI			18	18" overall suspension			CP	Chicago Plenum			
EC	Emergency / Night Light Circuit			LP841	4100K 80+ CRI	F2	Hard Ceiling (Horizontal J-Box)	21	21" overall suspension	C110	Painted to match Aluminum Finish	DL	Damp Location Label			
				LP830 ⁶	3000K 80+ CRI Premier Lamp			24	24" overall suspension	C099	Custom Color	DU	Dust Cover			
EN	Emergency Battery Pack with Night Light Circuit			LP835 ⁶	3500K 80+ CRI Premier Lamp	F3	Stem Mount	XX	XX" overall suspension			ELH	EM Through wire w/ Separate Feed			
				LP841 ⁶	4100K 80+ CRI Premier Lamp	F4A	IDS Clip 1/16" Tee					ELS	EM Through Wire w/ Single Feed			
						F4B	IDS Clip 3/16" Tee					GLR	Fusing (Fast blow)			
												GMF	Fusing (Slow Blow)			
												NYC	New York City Code			
												SCPE	Sculptured End Cap			
Reference Lamp Chart on website or consult factory for other options.																

Notes:

- Must be in 4' increments.
- Optional.
- EL and EC are installed in last 4' of fixture sections and are not available concurrently with each other. Separate feed required for each EL or EC unless ELS/ELH is specified.
- Not available in 347 volt.
- Not available with 28T5 Lamp Type.
- Not available with 54T5HO Lamp Type.

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Indirect / Open T5 / T5HO

PHOTOMETRICS

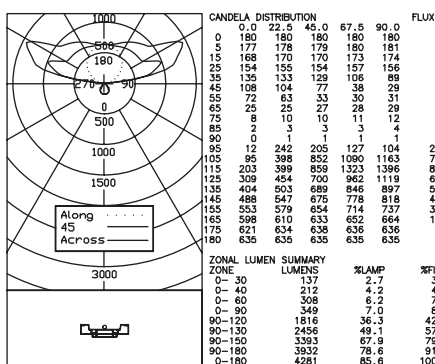
Pendant Mount — Modular / 8" X 2" Rectangular

BRM3

1-LAMP T5HO

FAR-FIELD PHOTOMETRY
REPORT NUMBER: 7552 DATE: 5-23-2008

CATALOG NUMBER: BRM3-1-54T5HO-SPR
LUMINAIRE: 8 1/4" W X 1 5/8" H INDIRECT/DIRECT LIGHT WITH SPECULAR AND WHITE PAINTED REFLECTOR AND CIRCLE OPENING
LAMP(S): 1-FP54/835/HO RATED @ 5000 LUMENS EACH
BALLAST: QTP 1X54T5HO/UNV PSN
MOUNTING: LUMEN TO CANDELA RATIO USED = 9.15
TOTAL INPUT WATTS = 60.9 AT 120.0 VOLTS
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.



LUMINANCE DATA IN FOOTLAMBERTS
ANGLE AVERAGE AVERAGE AVERAGE
IN DEG 0-DEG 45-DEG 90-DEG
45 2249 1599 606
55 1845 838 796
65 881 630 896
75 483 591 698
85 314 511 629

TOTAL LUMINAIRE EFFICIENCY = 85.6 %
CIE TYPE - INDIRECT

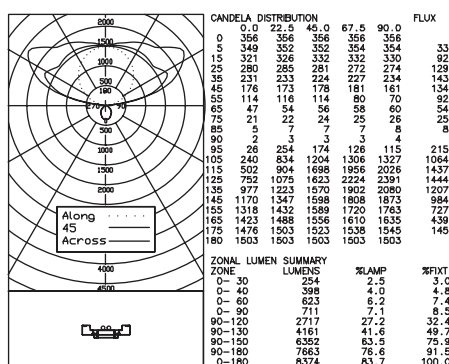
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BARE LAMP LUMEN VALUE IS RATED AT LAMP OPERATING TEMPERATURE INSIDE THE LUMINAIRE.
FOR DETAIL EXPLANATIONS, PLEASE SEE PEERLESS PUBLICATION # A62

2-LAMP T5HO

FAR-FIELD PHOTOMETRY
REPORT NUMBER: 7547 DATE: 5-23-2008

CATALOG NUMBER: BRM3-2-54T5HO-SPR
LUMINAIRE: 8 1/4" W X 1 5/8" H INDIRECT/DIRECT LIGHT WITH SPECULAR AND WHITE PAINTED REFLECTOR AND CIRCLE OPENING
LAMP(S): 2-FP54/835/HO RATED @ 5000 LUMENS EACH
BALLAST: QTP 2X54T5HO/UNV PSN
MOUNTING: LUMEN TO CANDELA RATIO USED = 9.15
TOTAL INPUT WATTS = 124.8 AT 120.0 VOLTS
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.



LUMINANCE DATA IN FOOTLAMBERTS
ANGLE AVERAGE AVERAGE AVERAGE
IN DEG 0-DEG 45-DEG 90-DEG
45 3672 3715 3351
55 2934 2040 1796
65 1638 1838 2075
75 1174 1361 1467
85 859 1132 1327

TOTAL LUMINAIRE EFFICIENCY = 83.7 %
CIE TYPE - INDIRECT

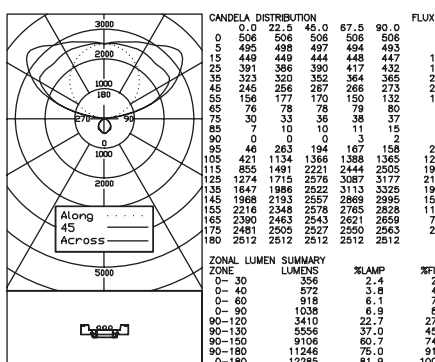
APPROVED BY: [Signature]

BARE LAMP LUMEN VALUE IS RATED AT LAMP OPERATING TEMPERATURE INSIDE THE LUMINAIRE.
TESTED IN ACCORDANCE WITH IES PROCEDURES, TEST DISTANCE EXCEEDS 25.0 FEET

3-LAMP T5HO

FAR-FIELD PHOTOMETRY
REPORT NUMBER: 7545 DATE: 5-1-2008

CATALOG NUMBER: BRM3-3-54T5HO-SPR
LUMINAIRE: 8 1/4" W X 1 5/8" H INDIRECT/DIRECT LIGHT WITH SPECULAR AND WHITE PAINTED REFLECTOR AND CIRCLE OPENING
LAMP(S): 3-FP54/835/HO RATED @ 5000 LUMENS EACH
BALLAST: QTP 1X54T5HO/UNV PSN & QTP 2X54T5HO/UNV PSN
MOUNTING: LUMEN TO CANDELA RATIO USED = 9.15
TOTAL INPUT WATTS = 181.6 AT 120.0 VOLTS
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.



LUMINANCE DATA IN FOOTLAMBERTS
ANGLE AVERAGE AVERAGE AVERAGE
IN DEG 0-DEG 45-DEG 90-DEG
45 5113 5365 5701
55 4017 4379 3403
65 2643 2719 2794
75 1740 2051 2113
85 1091 1636 2546

TOTAL LUMINAIRE EFFICIENCY = 81.9 %
CIE TYPE - INDIRECT

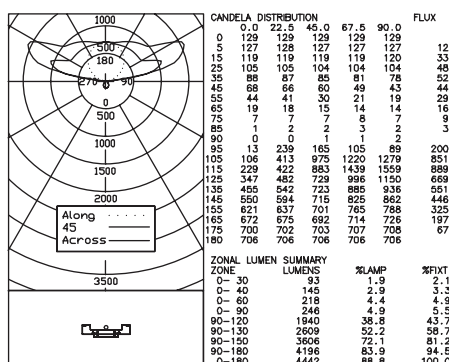
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BARE LAMP LUMEN VALUE IS RATED AT LAMP OPERATING TEMPERATURE INSIDE THE LUMINAIRE.
FOR DETAIL EXPLANATIONS, PLEASE SEE PEERLESS PUBLICATION # A62

1-LAMP T5HO WITH OPD

FAR-FIELD PHOTOMETRY
REPORT NUMBER: 7566 DATE: 6-18-2008

CATALOG NUMBER: BRM3-1-54T5HO-SPR-OPD
LUMINAIRE: 8 1/4" W X 1 5/8" H INDIRECT/DIRECT LIGHT WITH SPECULAR AND WHITE PAINTED REFLECTOR AND OPAL CIRCLE OPENING
LAMP(S): 1-FP54/835/HO RATED @ 5000 LUMENS EACH
BALLAST: QTP 1X54T5HO/UNV PSN
MOUNTING: LUMEN TO CANDELA RATIO USED = 9.15
TOTAL INPUT WATTS = 60.9 AT 120.0 VOLTS
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.



LUMINANCE DATA IN FOOTLAMBERTS
ANGLE AVERAGE AVERAGE AVERAGE
IN DEG 0-DEG 45-DEG 90-DEG
45 1428 1252 890
55 1121 766 484
65 669 522 473
75 403 416 403
85 236 354 393

TOTAL LUMINAIRE EFFICIENCY = 88.8 %
CIE TYPE - INDIRECT

APPROVED BY: [Signature]

BARE LAMP LUMEN VALUE IS RATED AT LAMP OPERATING TEMPERATURE INSIDE THE LUMINAIRE.
FOR DETAIL EXPLANATIONS, PLEASE SEE PEERLESS PUBLICATION # A62

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Indirect / Open T5 / T5HO

PHOTOMETRICS

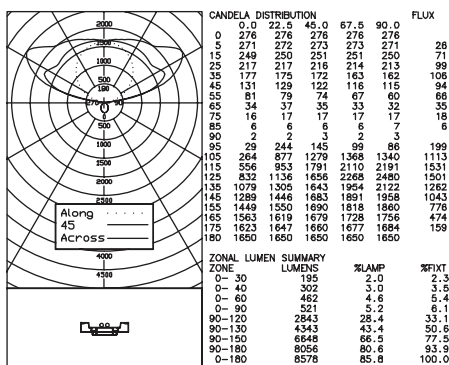
Pendant Mount — Modular / 8" X 2" Rectangular

BRM3

2-LAMP T5HO WITH OPD

3-LAMP T5HO WITH OPD

FAR-FIELD PHOTOMETRY
REPORT NUMBER: 7568 DATE: 6-18-2008
CATALOG NUMBER: BRM3-2-54T5HO-SPR-OPD
LUMINAIRE: 8 1/4" W X 1 5/8" H INDIRECT/DIRECT LIGHT WITH SPECULAR AND WHITE PAINTED REFLECTOR AND OPAL CIRCLE OPENING
LAMP(S): 2-FPS4/835/HO RATED @ 5000 LUMENS EACH
BALLAST: QTP 2X54T5HO/UNV PSN
MOUNTING: LUMEN TO CANDELA RATIO USED = 9.15
TOTAL INPUT WATTS = 124.8 AT 120.0 VOLTS
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.



FAR-FIELD PHOTOMETRY
REPORT NUMBER: 7564 DATE: 6-18-2008
CATALOG NUMBER: BRM3-3-54T5HO-SPR-OPD
LUMINAIRE: 8 1/4" W X 1 5/8" H INDIRECT/DIRECT LIGHT WITH SPECULAR AND WHITE PAINTED REFLECTOR AND OPAL CIRCLE OPENING
LAMP(S): 3-FPS4/835/HO RATED @ 5000 LUMENS EACH
BALLAST: QTP 1X54T5HO/UNV PSN & QTP 2X54T5HO/UNV PSN
MOUNTING: LUMEN TO CANDELA RATIO USED = 9.15
TOTAL INPUT WATTS = 181.8 AT 120.0 VOLTS
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

